

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060512.D
 Acq On : 7 Dec 2018 12:25
 Operator : VA/AP
 Sample : VD1207SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1207SBS01

Manual Integrations
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 12/10/2018 4:46:35 PM

Quant Time: Dec 08 02:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1681306	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2296113	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1848100	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	934571	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	551192	46.25	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	92.50%	
35) Dibromofluoromethane	6.32	113	815400	48.35	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	96.70%	
50) Toluene-d8	9.44	98	2398652	49.15	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.42	95	825538	47.27	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	94.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	442783	24.295	ug/l	98
3) Chloromethane	1.77	50	384472	22.257	ug/l	100
4) Vinyl Chloride	1.87	62	306398	22.224	ug/l	98
5) Bromomethane	2.15	94	53890	15.625	ug/l	96
6) Chloroethane	2.26	64	76823	16.170	ug/l	90
7) Trichlorofluoromethane	2.52	101	320155	20.111	ug/l	100
8) Diethyl Ether	2.83	74	55202	20.076	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.10	101	214815	20.797	ug/l	97
10) Methyl Iodide	3.25	142	236099	19.555	ug/l	95
11) Tert butyl alcohol	3.98	59	42950	88.711	ug/l	98
12) 1,1-Dichloroethene	3.08	96	173169	20.606	ug/l	95
13) Acrolein	2.99	56	53106	100.384	ug/l	92
14) Allyl chloride	3.53	41	331223	20.774	ug/l	97
15) Acrylonitrile	4.08	53	278910	101.456	ug/l	95
16) Acetone	3.16	43	184534	96.604	ug/l	98
17) Carbon Disulfide	3.32	76	562957	20.623	ug/l	99
18) Methyl Acetate	3.56	43	88690	19.536	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	472811	20.288	ug/l	97
20) Methylene Chloride	3.72	84	386965	19.318	ug/l	95
21) trans-1,2-Dichloroethene	4.09	96	378888	20.727	ug/l	97
22) Diisopropyl ether	4.85	45	1165221	20.355	ug/l	98
23) Vinyl Acetate	4.80	43	2881849	101.606	ug/l	99
24) 1,1-Dichloroethane	4.75	63	601408	20.222	ug/l	99
25) 2-Butanone	5.61	43	363555	96.738	ug/l	98
26) 2,2-Dichloropropane	5.58	77	470795	20.492	ug/l	97
27) cis-1,2-Dichloroethene	5.59	96	369710	19.891	ug/l	100
28) Bromochloromethane	5.91	49	251947	19.124	ug/l	91
29) Tetrahydrofuran	5.94	42	213756	100.442	ug/l	99
30) Chloroform	6.09	83	601283	20.069	ug/l	98
31) Cyclohexane	6.36	56	579689	20.537	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	505155	20.509	ug/l	99
36) 1,1-Dichloropropene	6.51	75	474266	21.131	ug/l	99
37) Ethyl Acetate	5.69	43	195775	20.113	ug/l	98
38) Carbon Tetrachloride	6.48	117	428144	21.249	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	541980	21.183	ug/l	99
40) Benzene	6.78	78	1178161	20.540	ug/l	100
41) Methacrylonitrile	5.91	41	106296m	20.258	ug/l	
42) 1,2-Dichloroethane	6.88	62	293463	20.122	ug/l	99
43) Isopropyl Acetate	8.33	43	246669	20.529	ug/l #	100
44) Trichloroethene	7.72	130	365795	21.339	ug/l	100
45) 1,2-Dichloropropane	8.09	63	294642	20.769	ug/l	96
46) Dibromomethane	8.21	93	164596	20.081	ug/l	97
47) Bromodichloromethane	8.48	83	400533	20.595	ug/l	98
48) Methyl methacrylate	8.24	41	152150	21.401	ug/l	96
49) 1,4-Dioxane	8.22	88	26477	410.907	ug/l	93
51) 4-Methyl-2-Pentanone	9.33	43	767900	102.741	ug/l	97
52) Toluene	9.54	92	742903	20.722	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	325429	20.364	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	428787	20.422	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	200931	20.125	ug/l	98
56) Ethyl methacrylate	10.02	69	188870	20.903	ug/l	97
57) 1,3-Dichloropropane	10.37	76	318577	20.641	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	559391	103.467	ug/l	96
59) 2-Hexanone	10.47	43	527835	101.035	ug/l	97
60) Dibromochloromethane	10.63	129	257589	20.636	ug/l	99
61) 1,2-Dibromoethane	10.75	107	212278	20.863	ug/l	98
64) Tetrachloroethene	10.23	164	322024	19.678	ug/l	96
65) Chlorobenzene	11.30	112	818672	20.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	262763	20.851	ug/l	96
67) Ethyl Benzene	11.41	91	1436877	21.546	ug/l	97
68) m/p-Xylenes	11.55	106	1053877	42.716	ug/l	96
69) o-Xylene	11.93	106	492038	20.927	ug/l	94
70) Styrene	11.95	104	783035	20.748	ug/l	99
71) Bromoform	12.10	173	162784	19.362	ug/l	99
73) Isopropylbenzene	12.26	105	1360827	20.577	ug/l	99
74) N-amyl acetate	12.12	43	312340	19.542	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	209215	19.761	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	202696	19.142	ug/l	98
77) Bromobenzene	12.53	156	344767	19.833	ug/l	94
78) n-propylbenzene	12.63	91	1720470	20.580	ug/l	97
79) 2-Chlorotoluene	12.69	91	942012	20.766	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1095412	21.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	56375	19.088	ug/l	96
82) 4-Chlorotoluene	12.80	91	1089025	21.374	ug/l	99
83) tert-Butylbenzene	13.04	119	1205336	21.273	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1106122	21.139	ug/l	98
85) sec-Butylbenzene	13.22	105	1420151	20.110	ug/l	96
86) p-Isopropyltoluene	13.33	119	1164532	20.802	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	639780	20.327	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	620339	20.091	ug/l	98
89) n-Butylbenzene	13.64	91	1259427	20.217	ug/l	99
90) Hexachloroethane	13.85	117	288901	20.583	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	531702	20.671	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25693	20.028	ug/l	67

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ClientSampleId :
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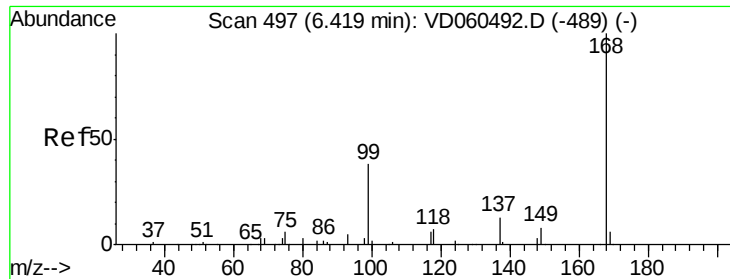
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	399362	19.861	ug/l	96
94) Hexachlorobutadiene	14.87	225	303833	20.480	ug/l	97
95) Naphthalene	14.96	128	474505	19.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	319364	19.933	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:168 Resp: 1681306

Ion Ratio Lower Upper

168 100

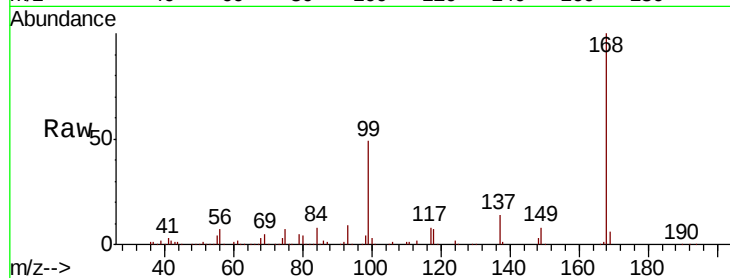
99 48.9 35.6 53.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

600000

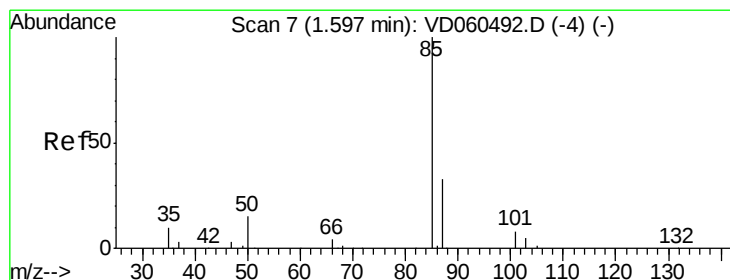
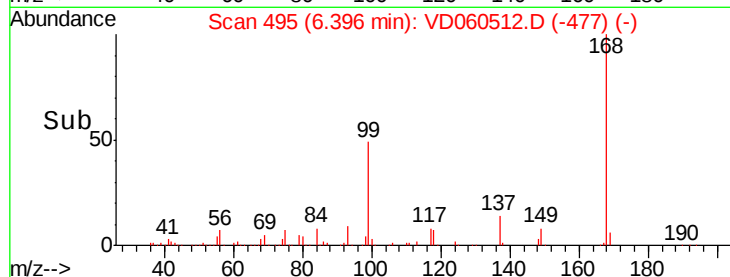
400000

200000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 24.295 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060512.D

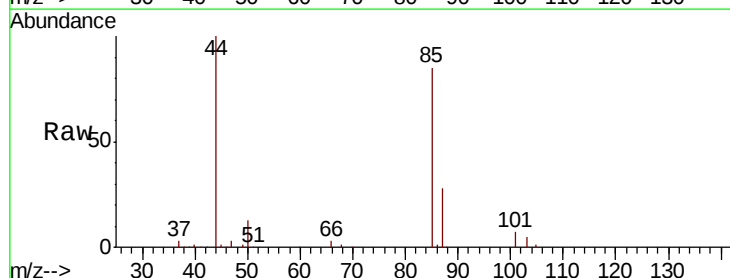
Acq: 7 Dec 2018 12:25

Tgt Ion: 85 Resp: 442783

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.60

200000

150000

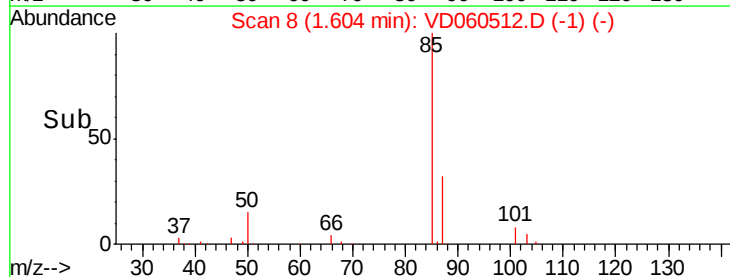
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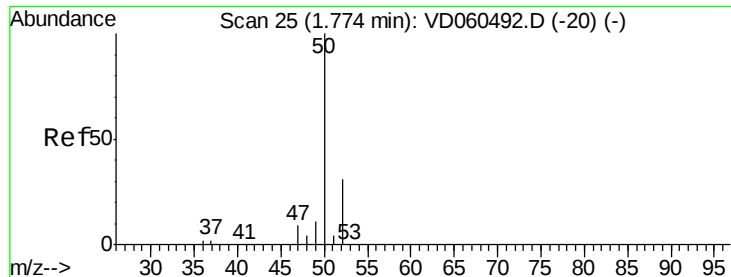
50000

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Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 22.257 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 50 Resp: 384472

Ion Ratio Lower Upper

50 100

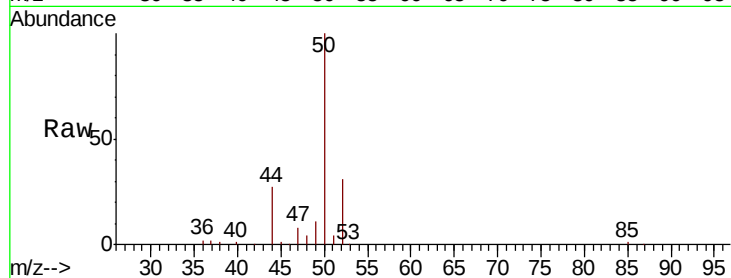
52 31.2 25.0 37.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

150000

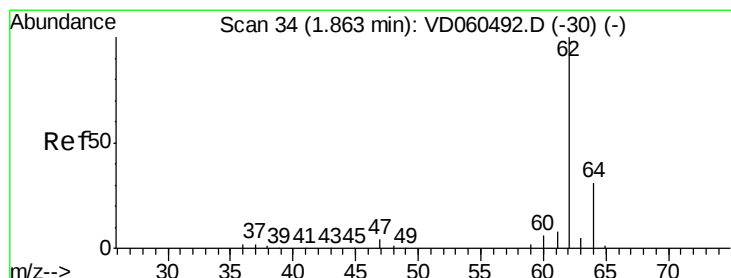
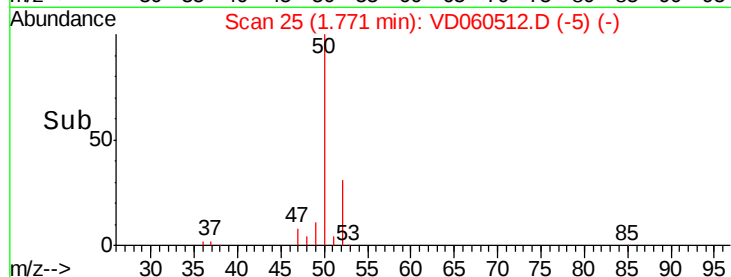
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 22.224 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060512.D

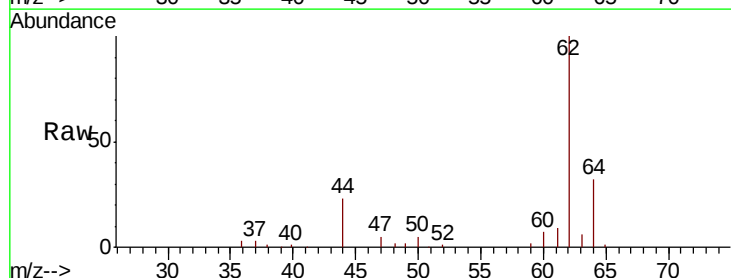
Acq: 7 Dec 2018 12:25

Tgt Ion: 62 Resp: 306398

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

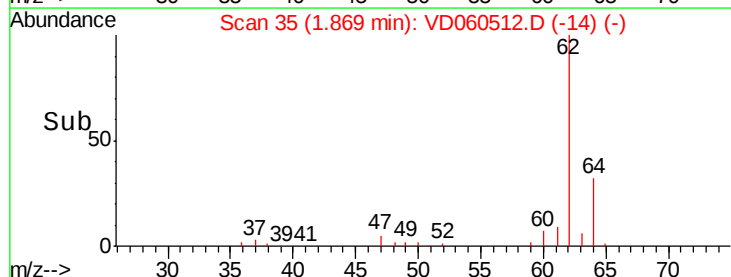
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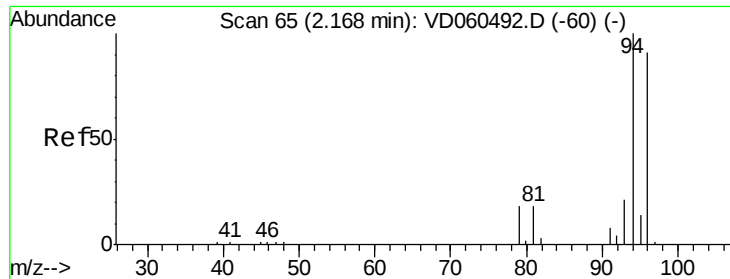
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 15.625 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 94 Resp: 53890

Ion Ratio Lower Upper

94 100

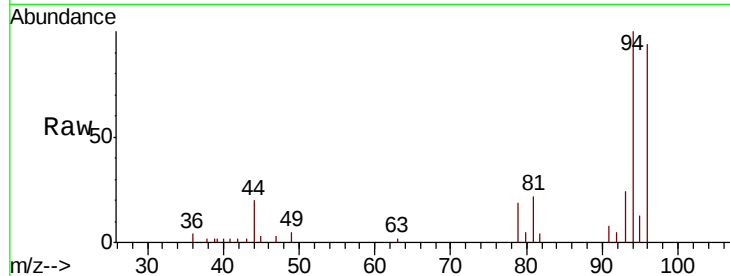
96 94.1 72.6 108.8

Manual Integrations

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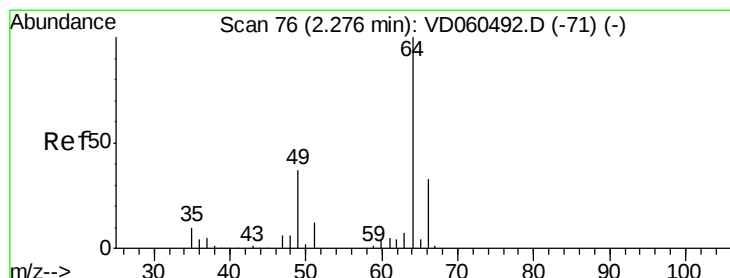
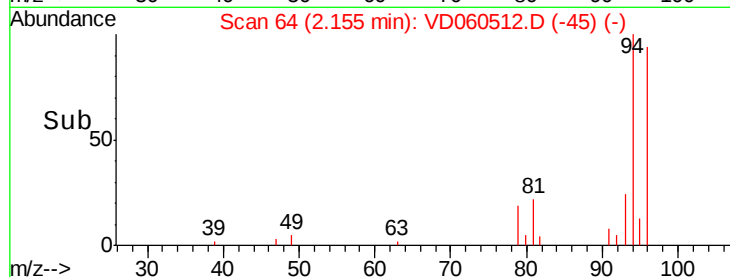
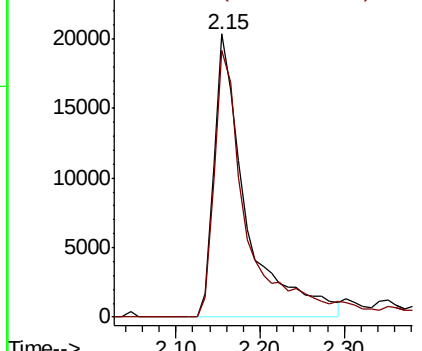
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.170 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060512.D

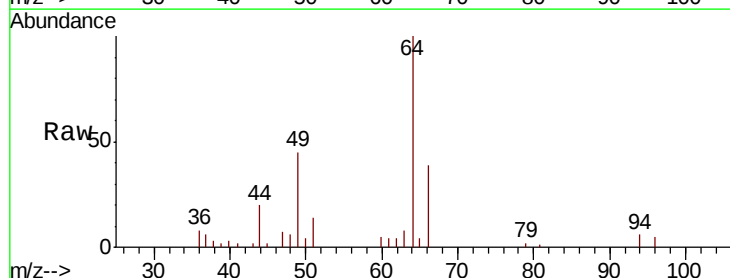
Acq: 7 Dec 2018 12:25

Tgt Ion: 64 Resp: 76823

Ion Ratio Lower Upper

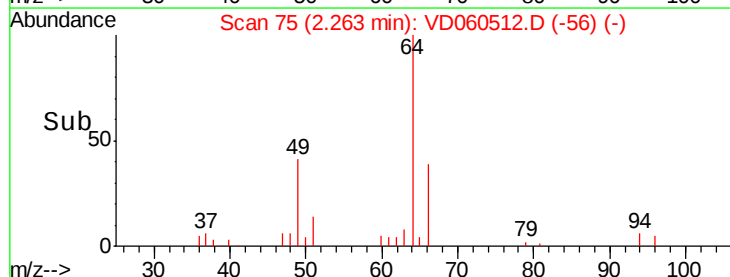
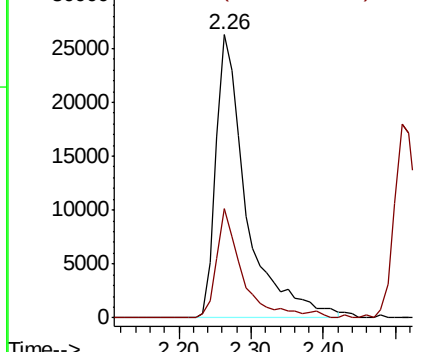
64 100

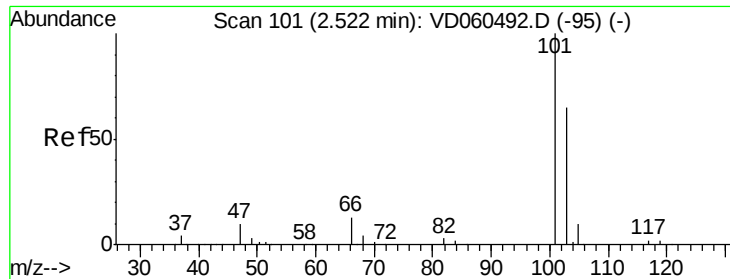
66 38.7 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

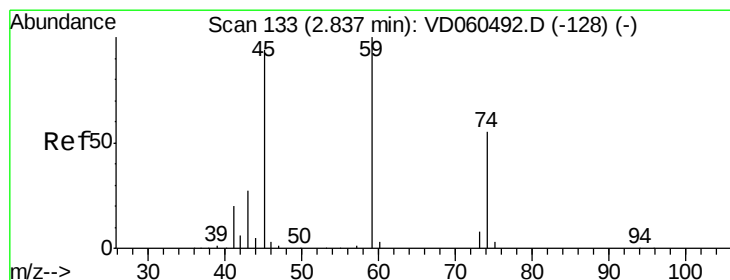
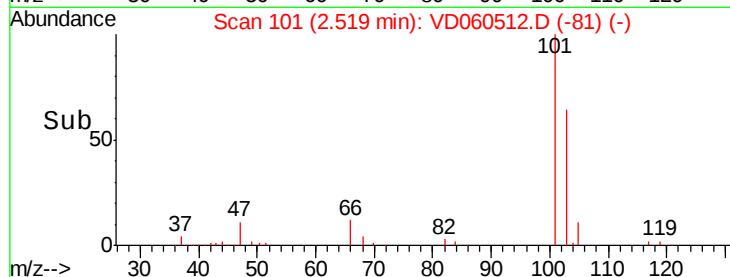
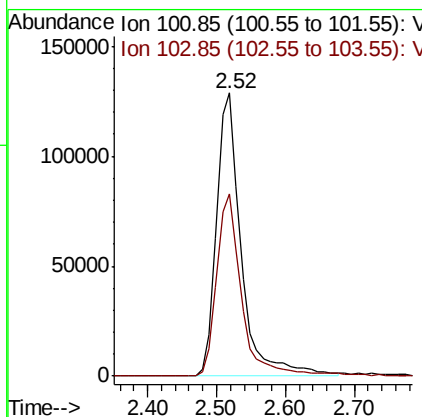
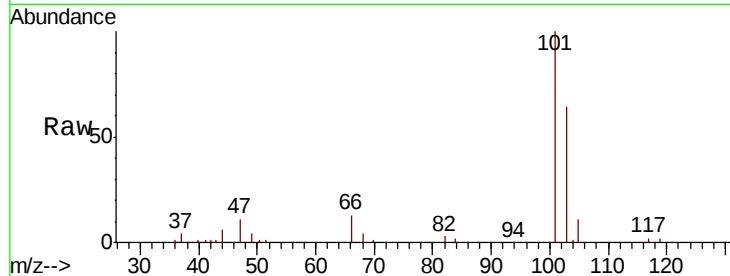
Trichlorofluoromethane
Concen: 20.111 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	320155		
103	64.4	51.8	77.8	

Manual Integrations
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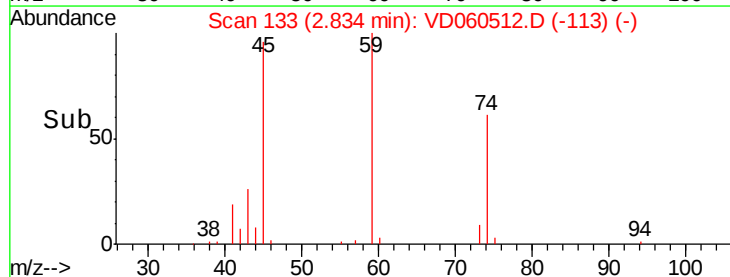
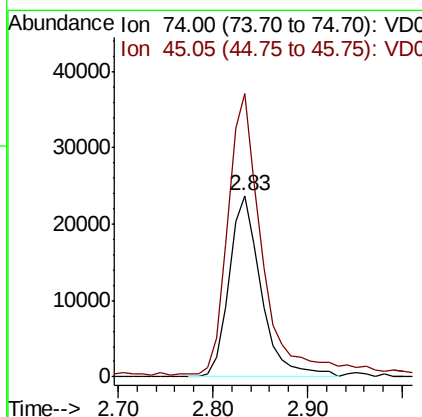
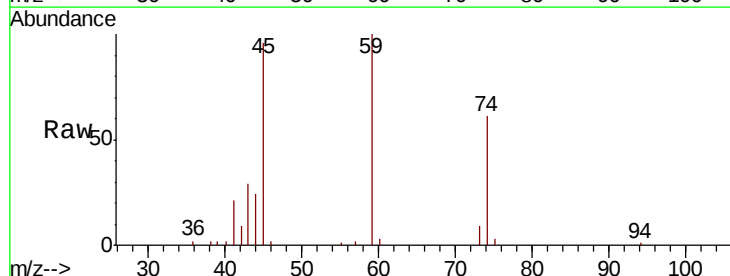
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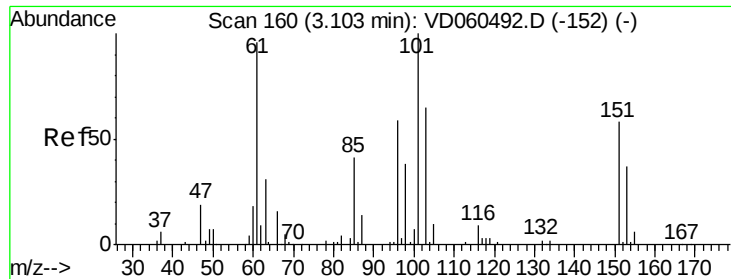


#8

Diethyl Ether
Concen: 20.076 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55202		
45	156.3	86.0	258.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

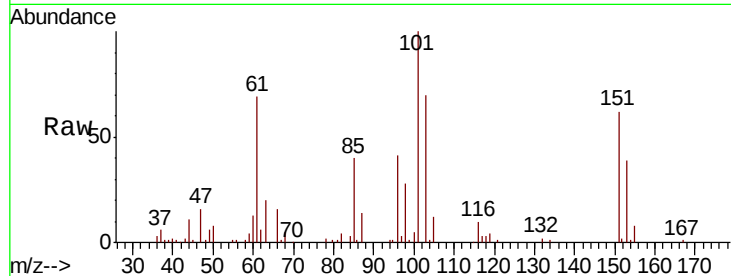
ClientSampleId :

VD1207SBS01

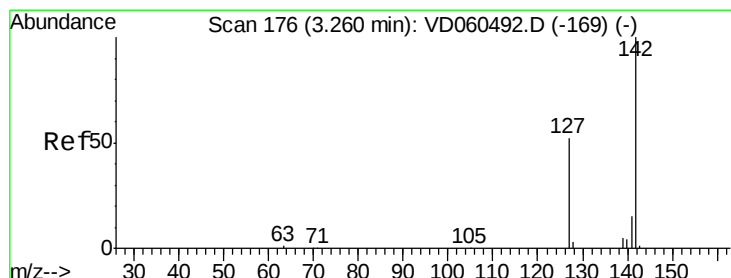
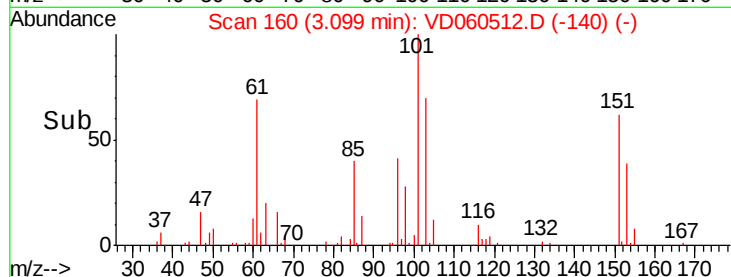
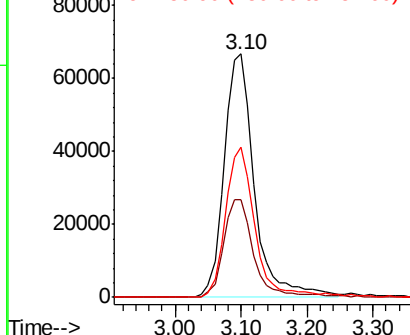
Tot Ion:	101	Resp:	214815
Ion Ratio	Lower	Upper	
101	100		
85	40.2	32.7	49.1
151	61.6	46.6	69.8

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.555 ug/l

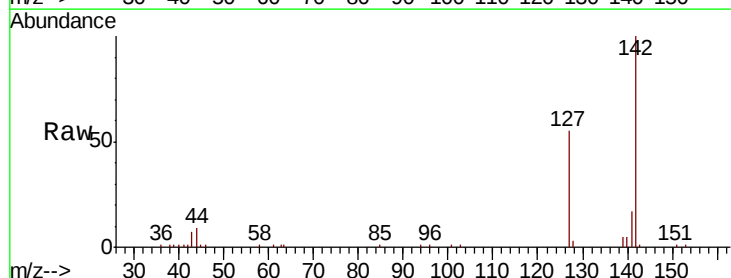
RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

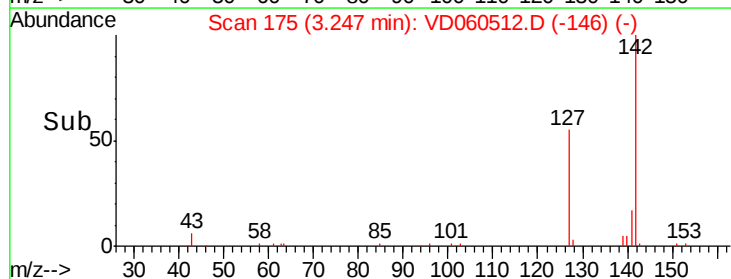
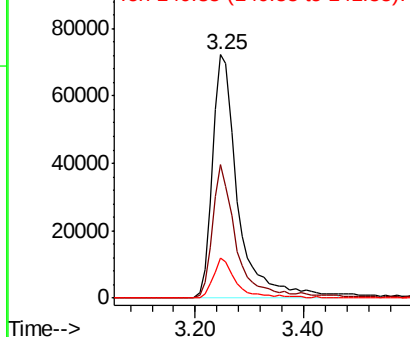
Lab File: VD060512.D

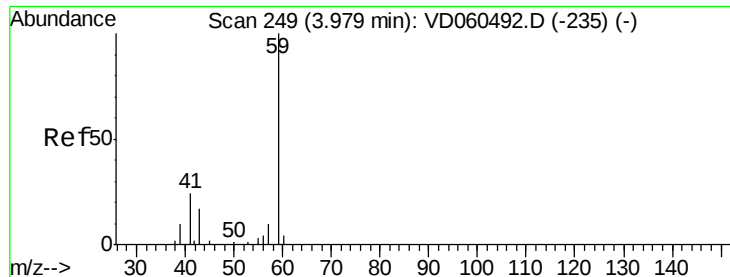
Acq: 7 Dec 2018 12:25

Tgt Ion:	142	Resp:	236099
Ion Ratio	Lower	Upper	
142	100		
127	55.1	41.2	61.8
141	16.6	11.9	17.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

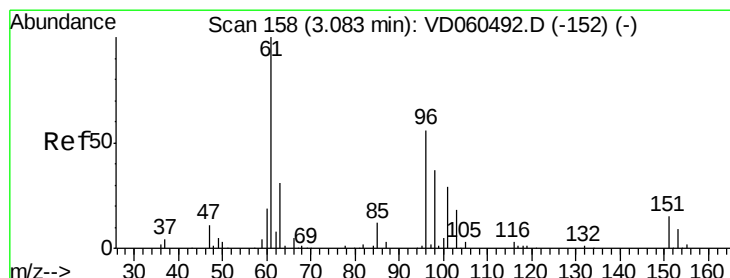
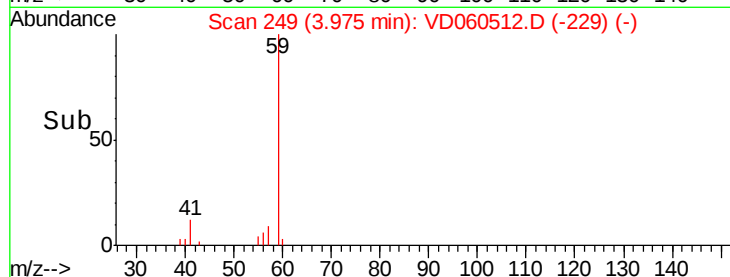
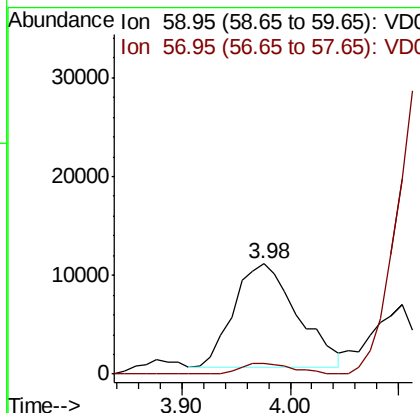
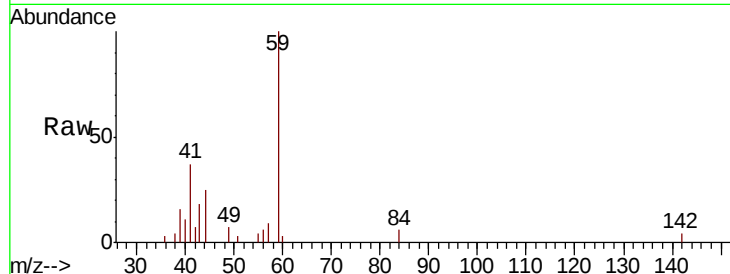
Tert butyl alcohol
Concen: 88.711 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1

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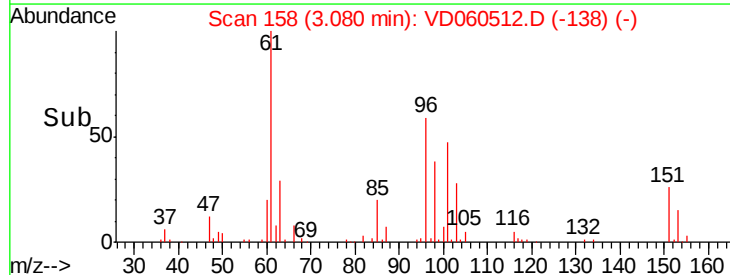
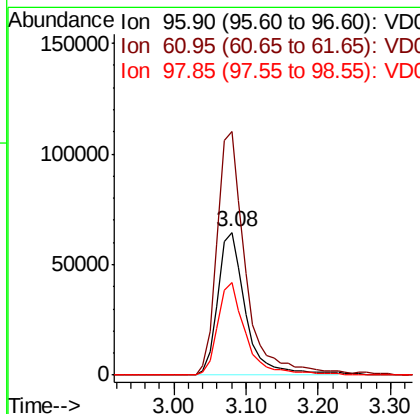
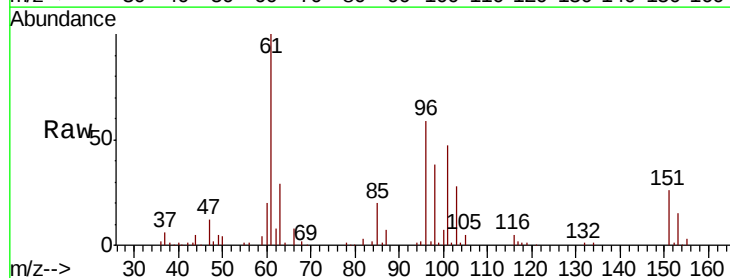
apatel
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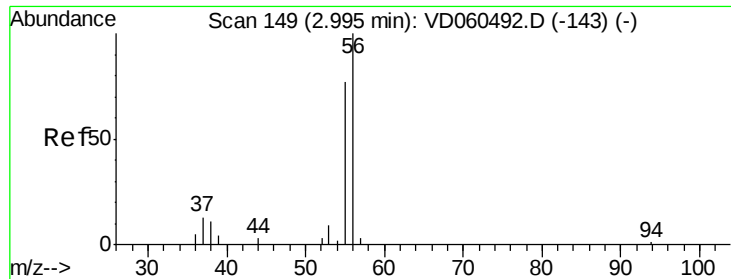


#12

1,1-Dichloroethene
Concen: 20.606 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.7	143.0	214.4
98	64.6	53.4	80.0





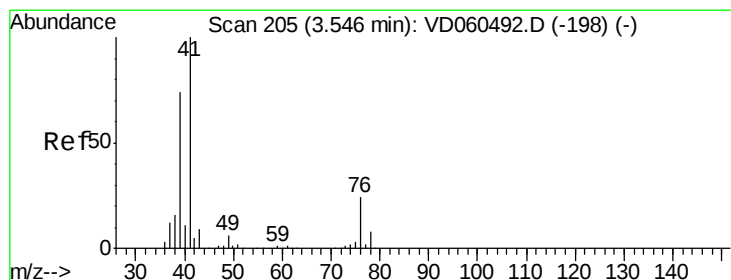
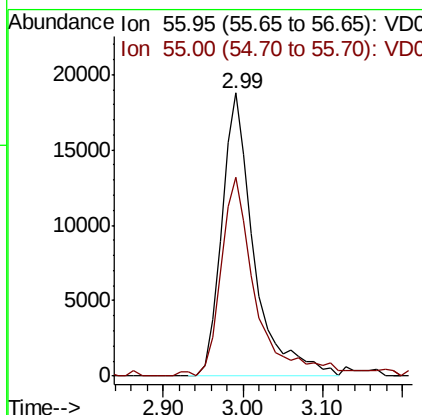
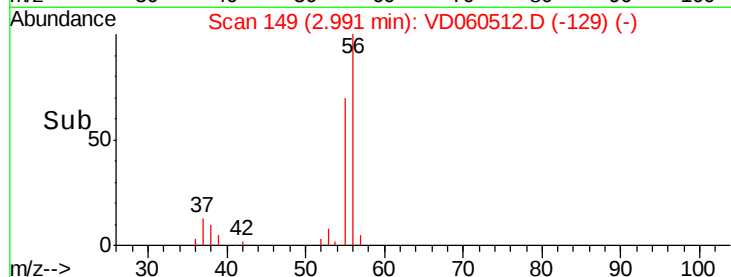
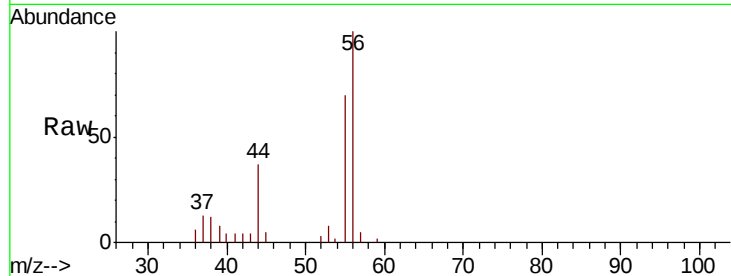
#13
Acrolein
Concen: 100.384 ug/l
RT: 2.99 min Scan# 149
Delta R.T. -0.00 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	62.0	93.0

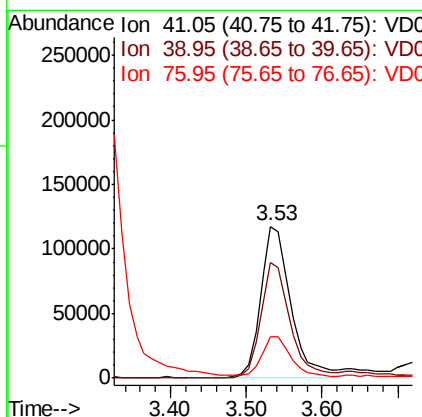
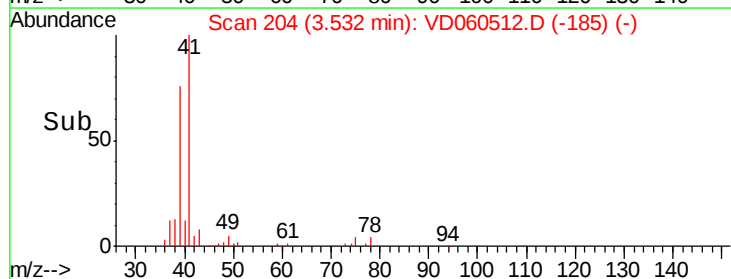
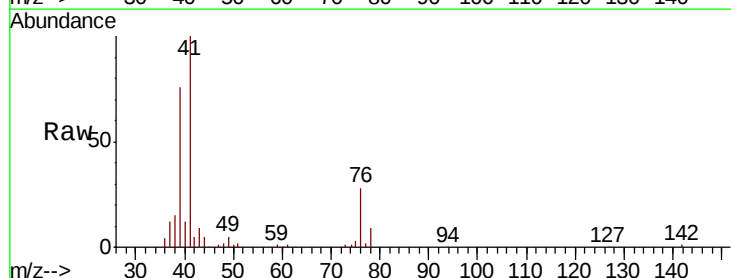
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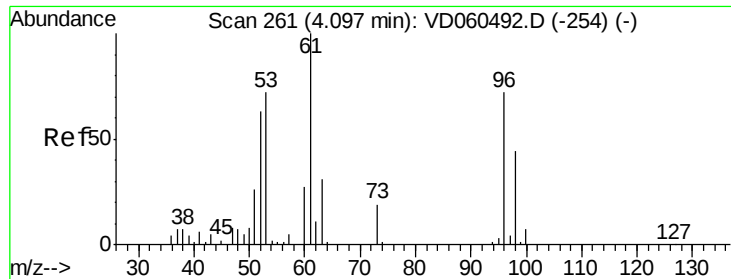
apatel
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#14
Allyl chloride
Concen: 20.774 ug/l
RT: 3.53 min Scan# 204
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.4	59.3	88.9
76	27.7	21.0	31.6





#15

Acrylonitrile

Concen: 101.456 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

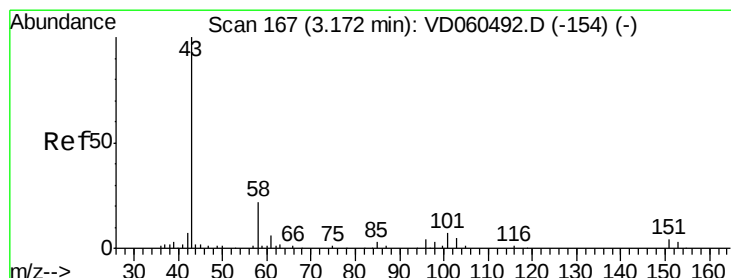
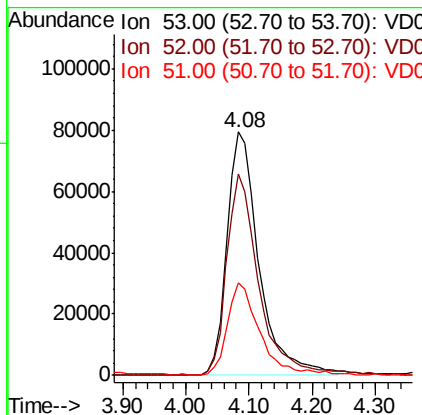
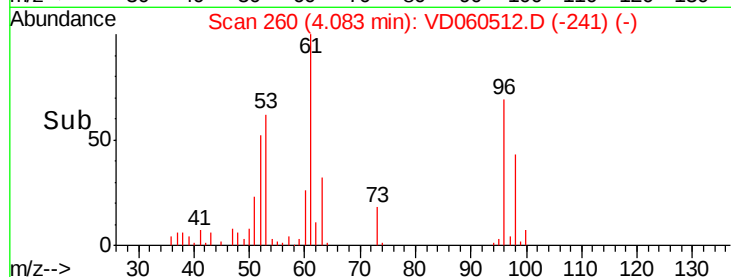
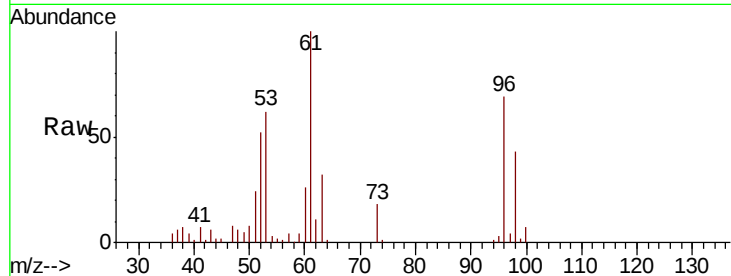
ClientSampleId :

VD1207SBS01

Tot Ion:	53	Resp:	278910
Ion Ratio	Lower	Upper	
53	100		
52	82.7	70.0	105.0
51	37.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 96.604 ug/l

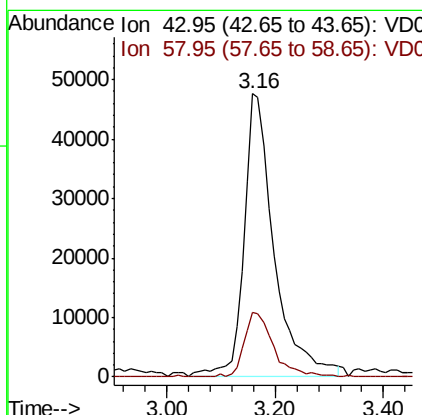
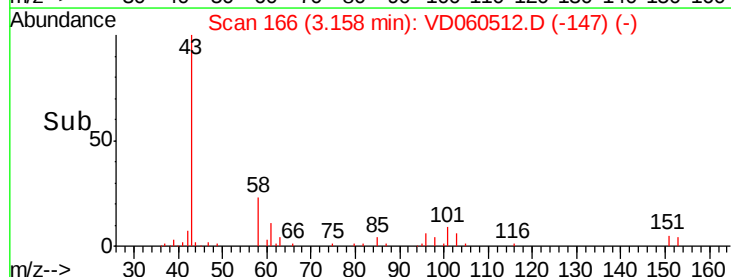
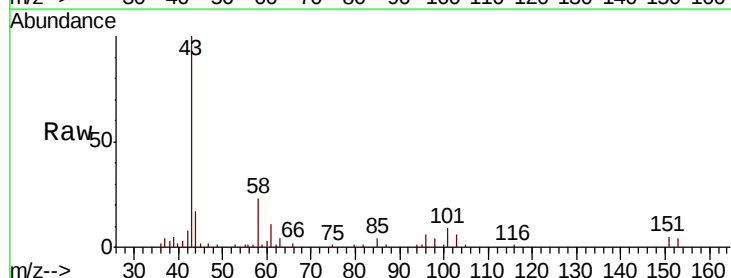
RT: 3.16 min Scan# 166

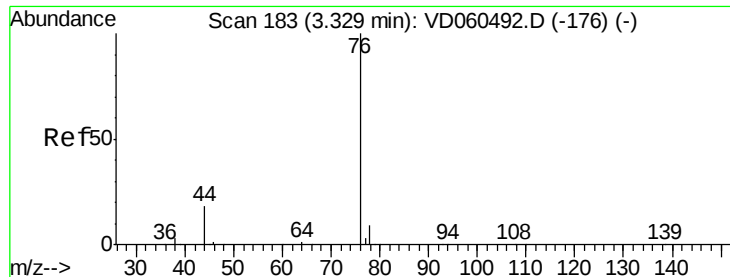
Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion:	43	Resp:	184534
Ion Ratio	Lower	Upper	
43	100		
58	22.6	17.3	25.9





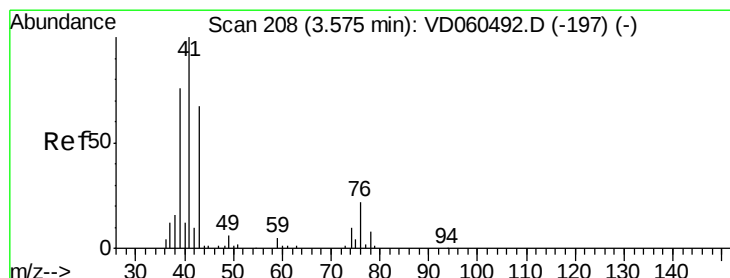
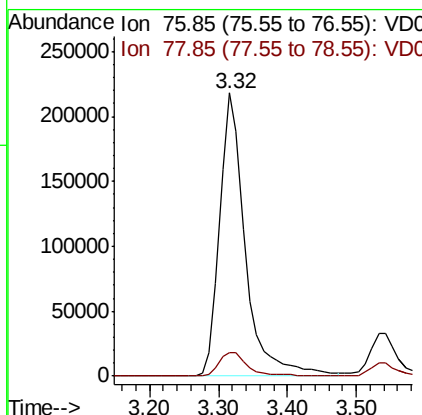
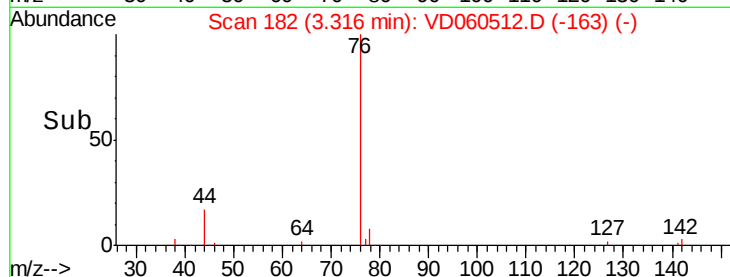
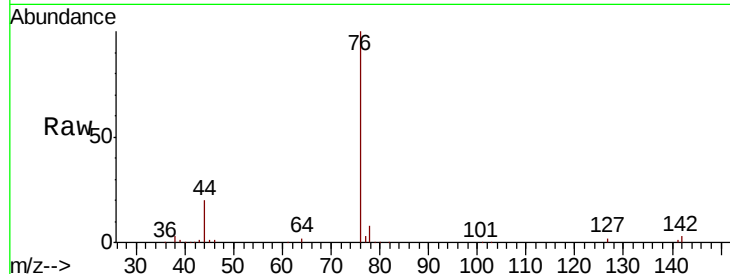
#17
Carbon Disulfide
Concen: 20.623 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

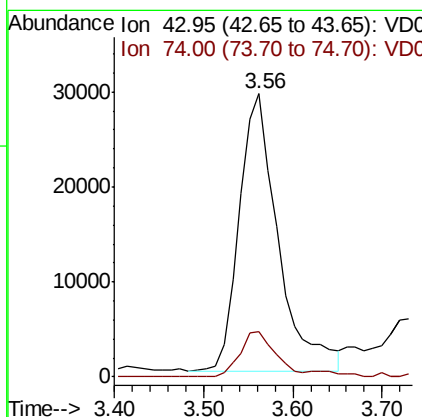
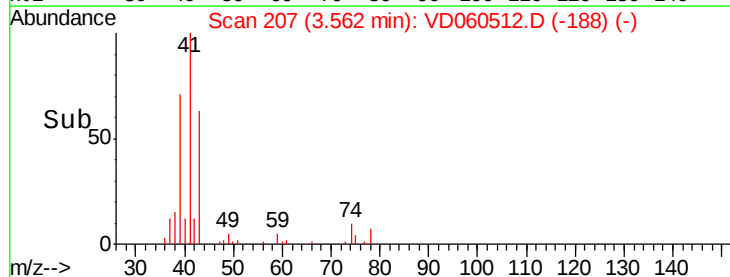
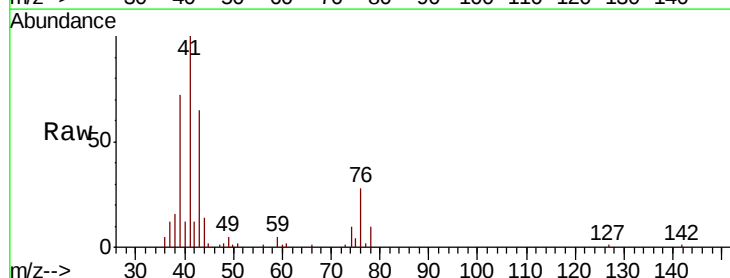
Manual Integrations
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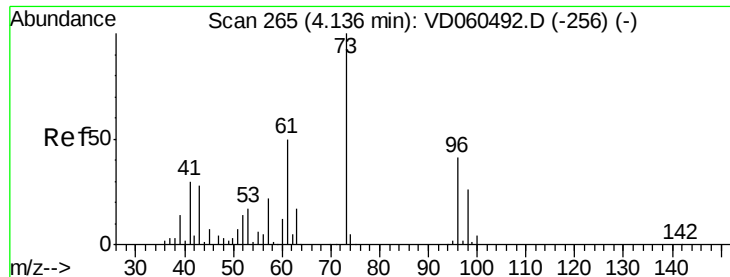
apatel
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#18
Methyl Acetate
Concen: 19.536 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.0	12.0	18.0





#19

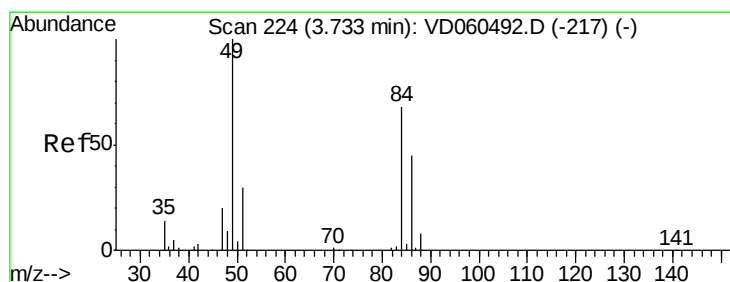
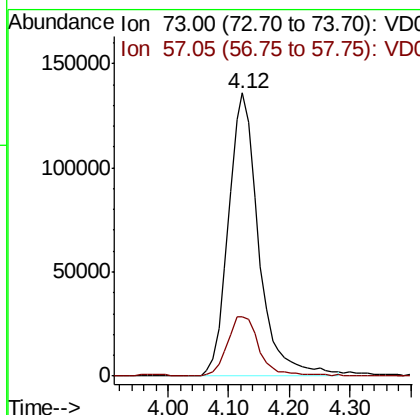
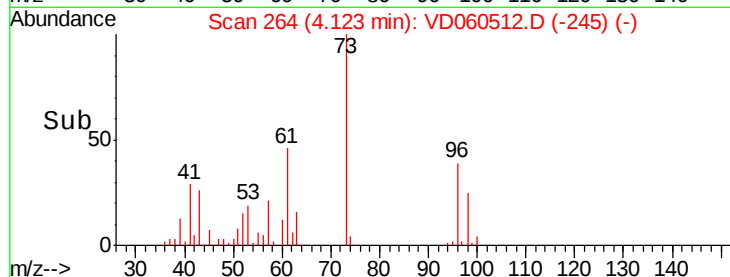
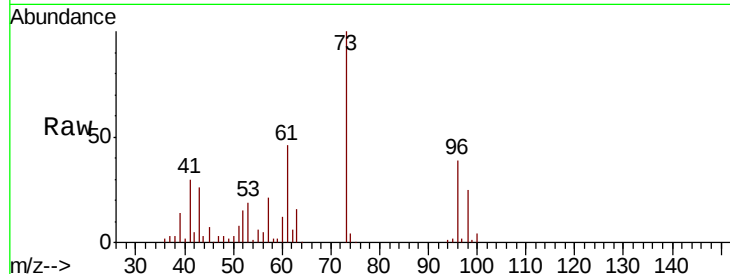
Methyl tert-butyl Ether
 Concen: 20.288 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.8	26.6

Manual Integrations
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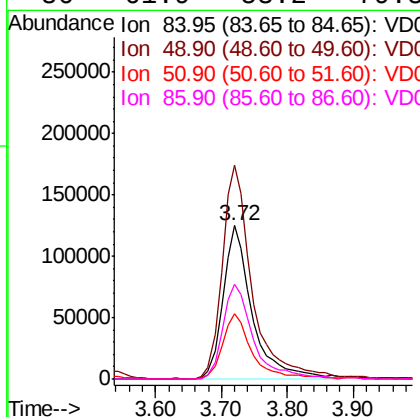
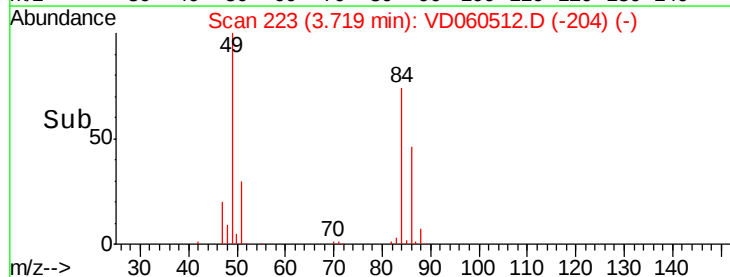
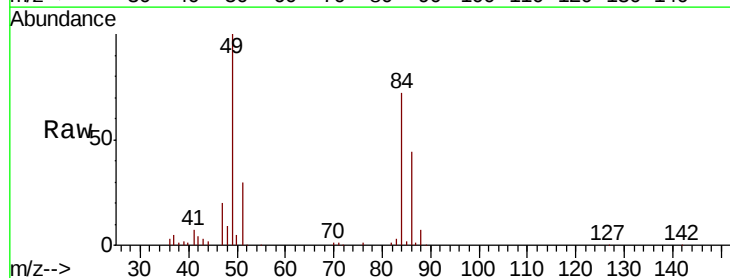
apatel
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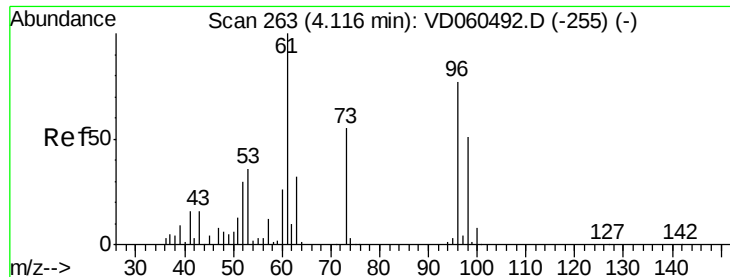


#20

Methylene Chloride
 Concen: 19.318 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	117.2	175.8
51	42.3	35.3	52.9
86	61.9	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.727 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 96 Resp: 378888

Ion Ratio Lower Upper

96 100

61 134.5 104.2 156.4

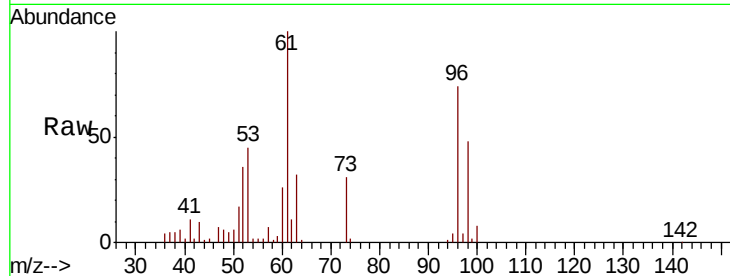
98 64.6 52.8 79.2

Manual Integrations

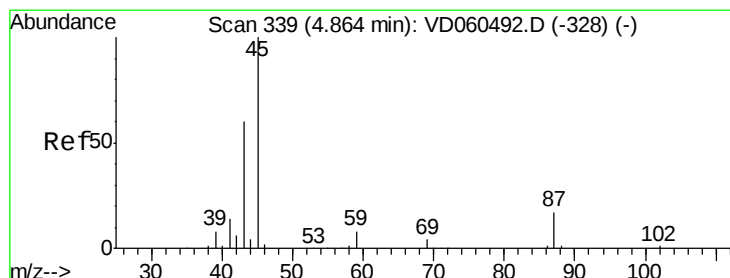
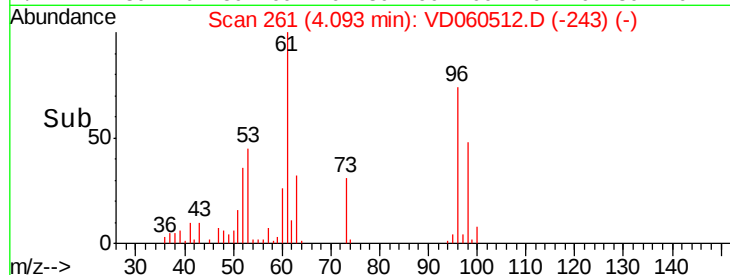
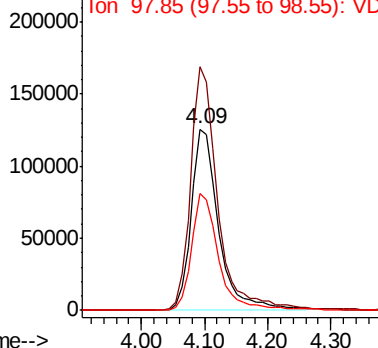
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.355 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion: 45 Resp: 1165221

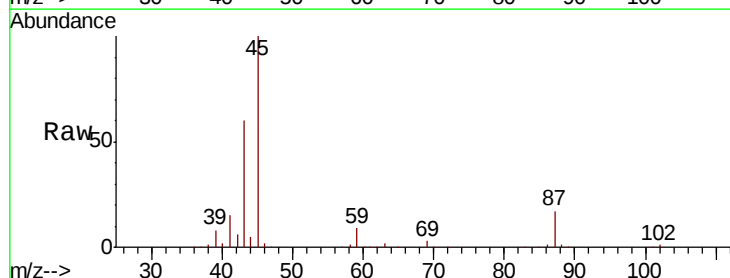
Ion Ratio Lower Upper

45 100

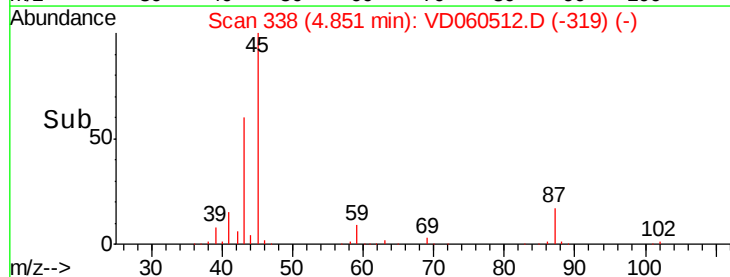
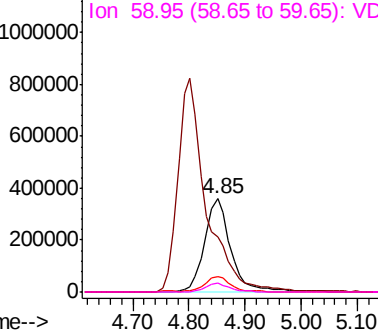
43 59.8 48.6 73.0

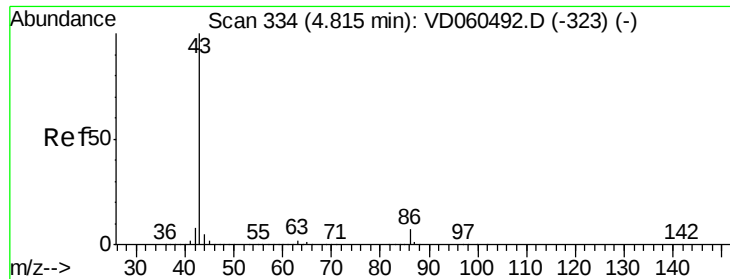
87 16.5 14.0 21.0

59 9.0 6.9 10.3



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 101.606 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 2881849

Ion Ratio Lower Upper

43 100

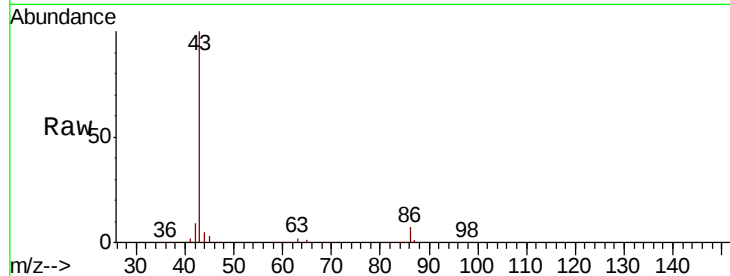
86 6.7 5.5 8.3

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

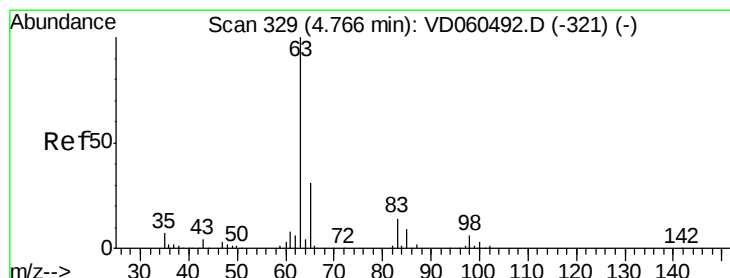
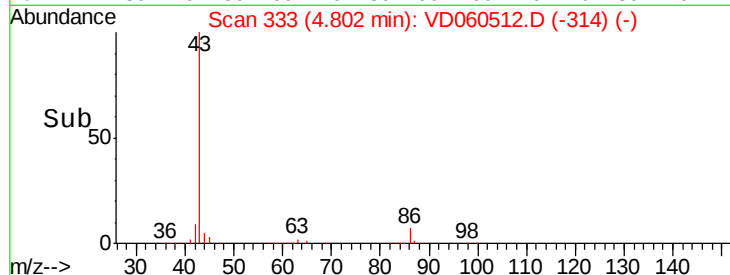
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.222 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

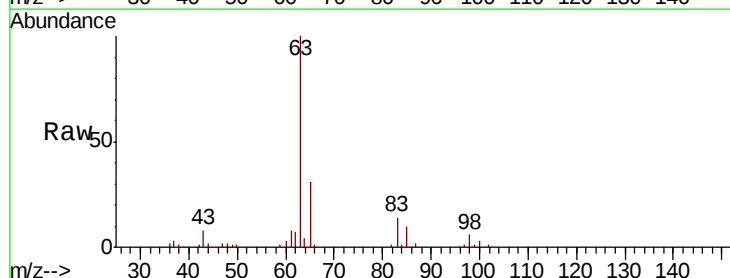
Tgt Ion: 63 Resp: 601408

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 3.5 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

150000

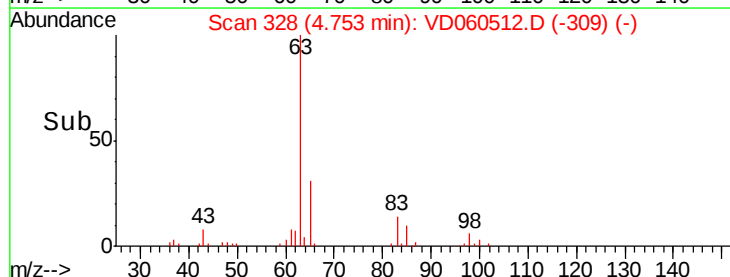
100000

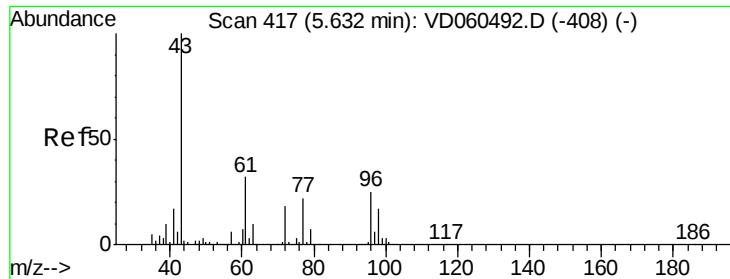
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 96.738 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 43 Resp: 363555

Ion Ratio Lower Upper

43 100

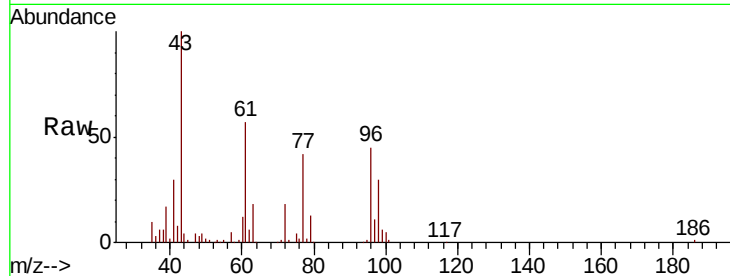
72 17.5 14.6 21.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

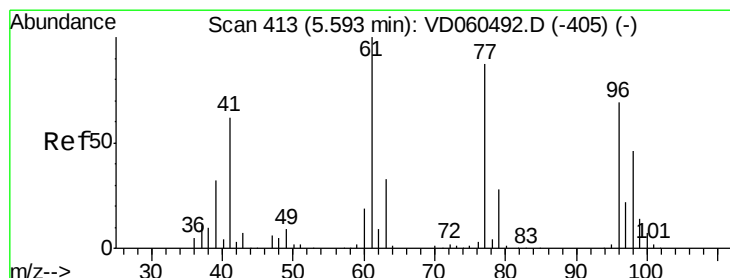
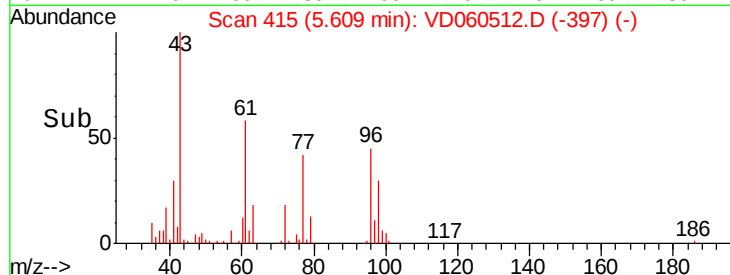
5.61

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.492 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060512.D

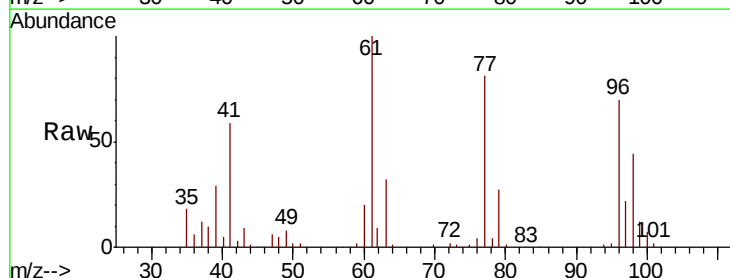
Acq: 7 Dec 2018 12:25

Tgt Ion: 77 Resp: 470795

Ion Ratio Lower Upper

77 100

97 26.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.58

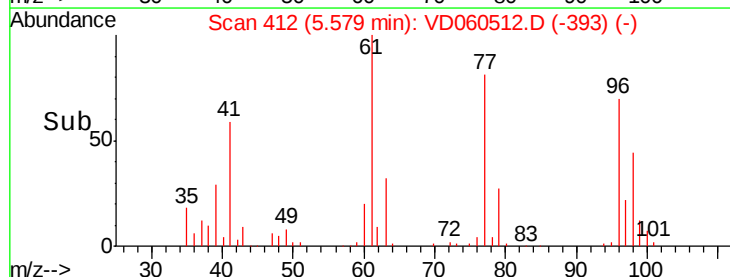
150000

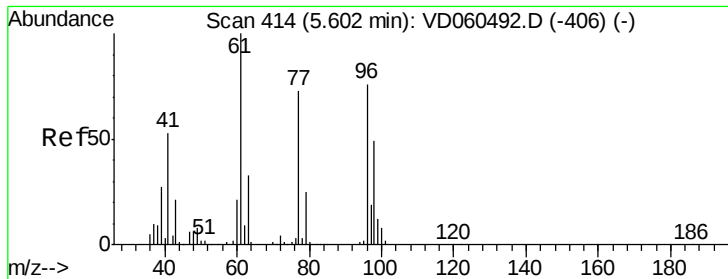
100000

50000

0

Time-->





#27

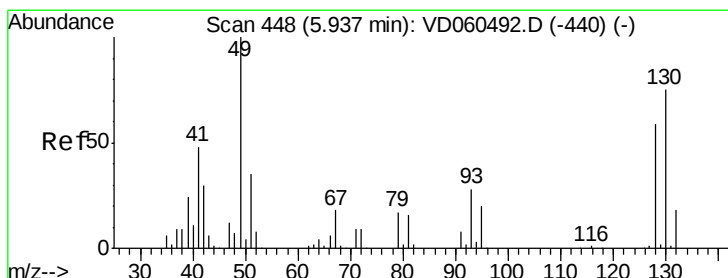
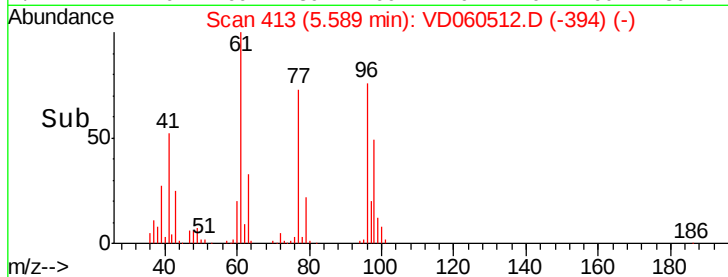
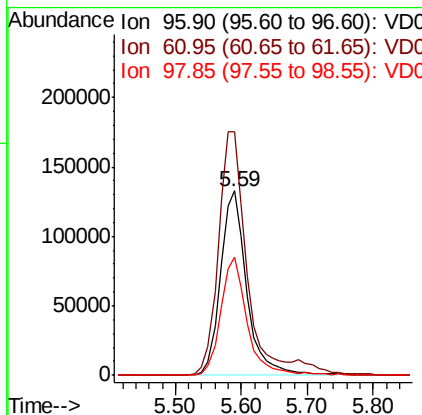
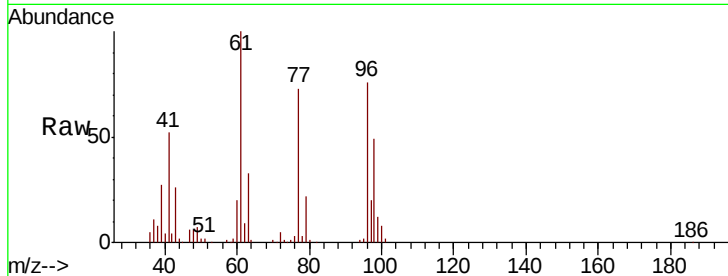
cis-1,2-Dichloroethene
Concen: 19.891 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	369710		
61	131.8	0.0	263.6	
98	64.4	0.0	128.2	

Manual Integrations
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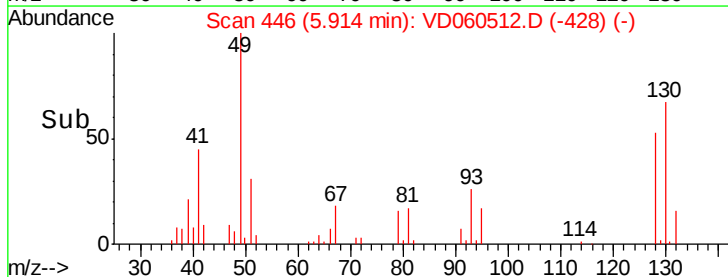
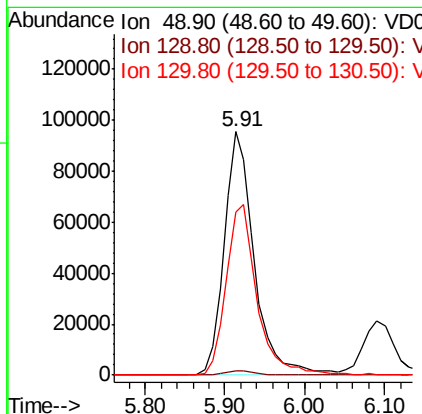
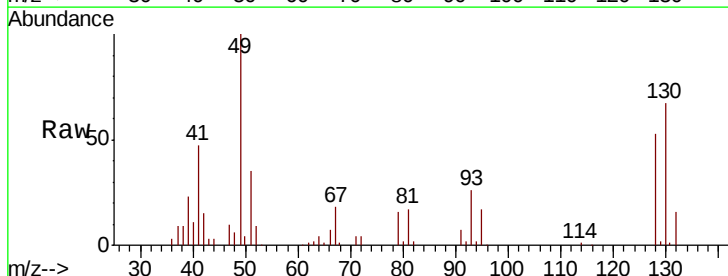
apatel
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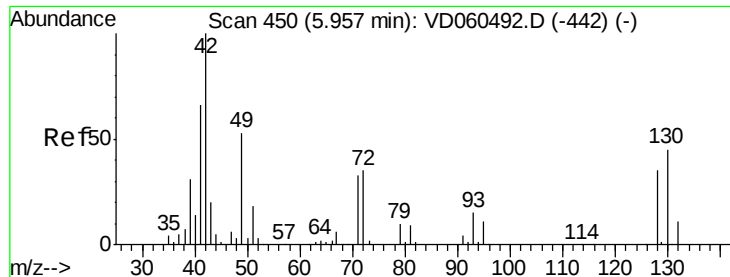


#28

Bromochloromethane
Concen: 19.124 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	251947		
129	1.8	0.0	3.4	
130	67.1	59.8	89.6	





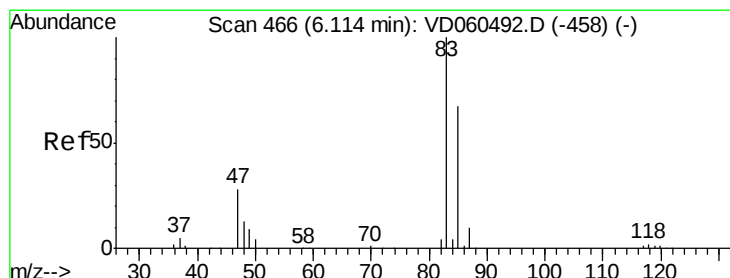
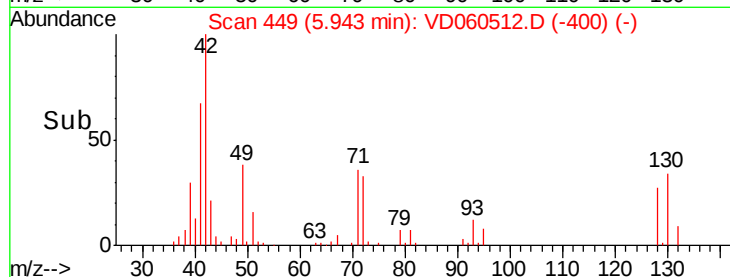
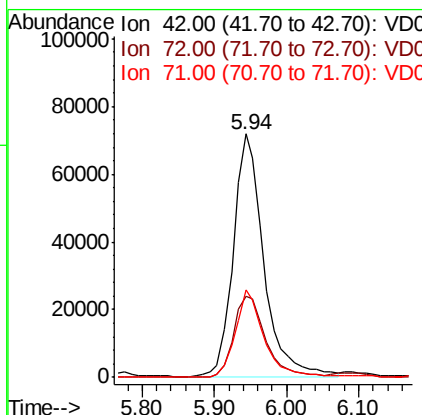
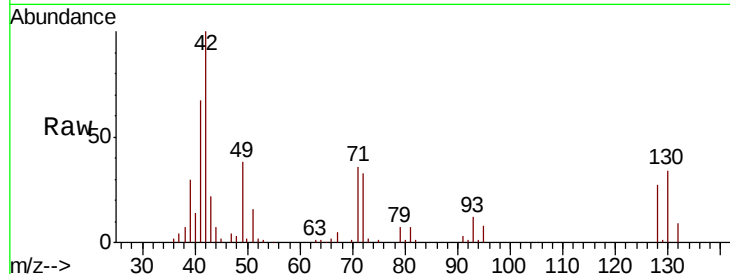
#29
Tetrahydrofuran
Concen: 100.442 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	28.0	42.0
71	33.5	27.2	40.8

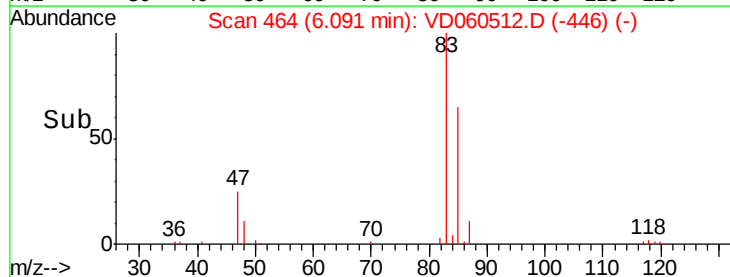
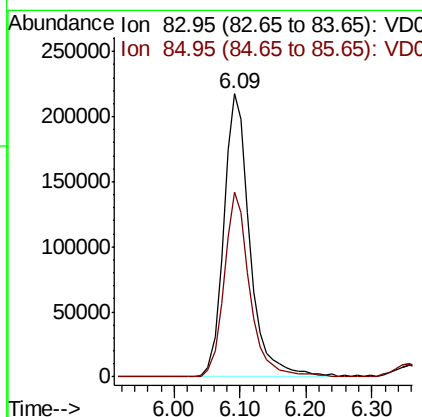
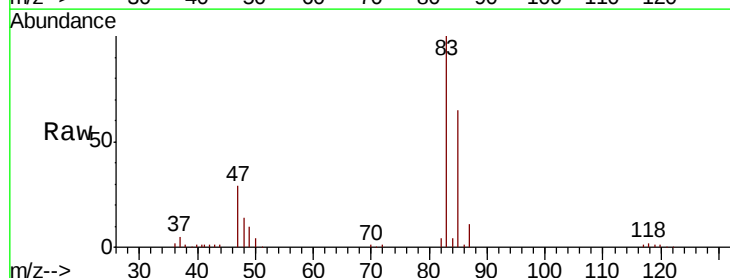
Manual Integrations
APPROVED

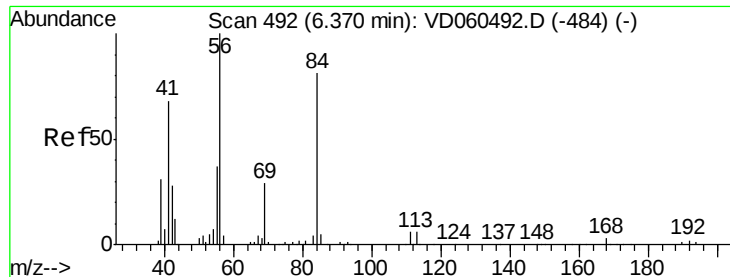
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#30
Chloroform
Concen: 20.069 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.2





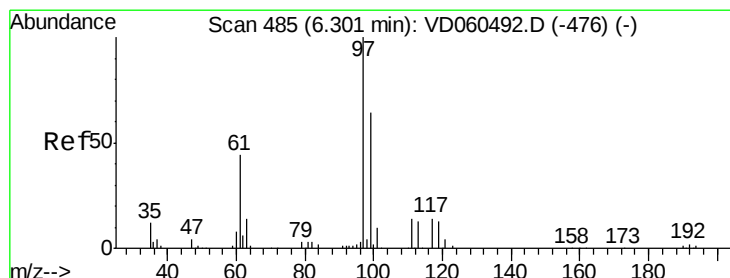
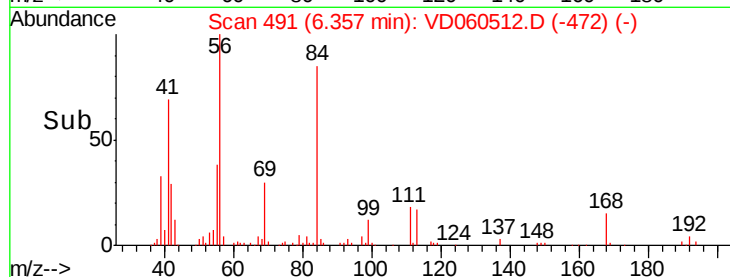
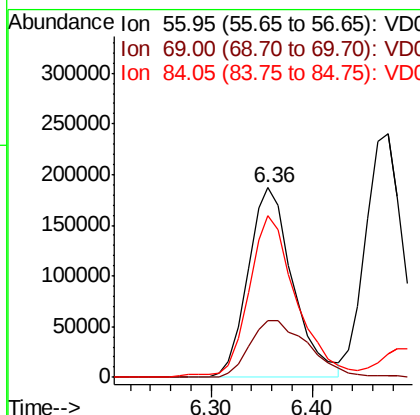
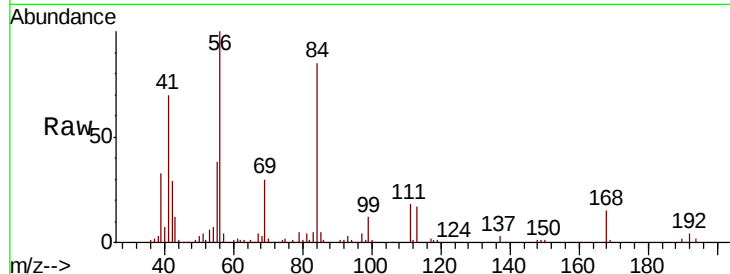
#31
Cyclohexane
Concen: 20.537 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	22.8	34.2
84	85.0	65.1	97.7

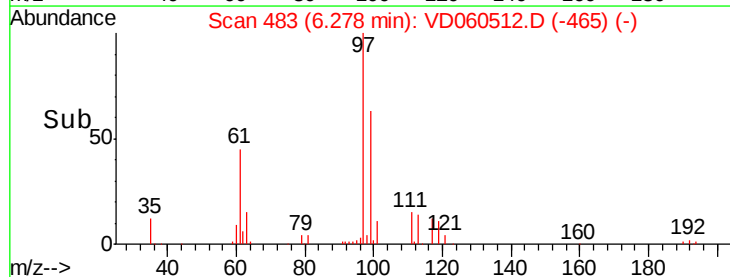
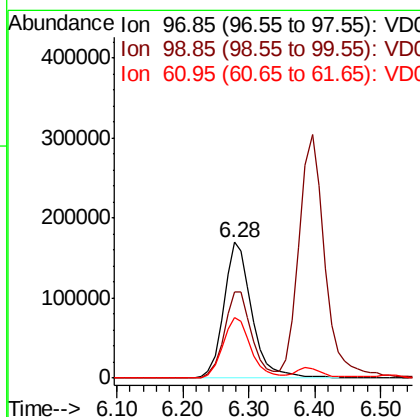
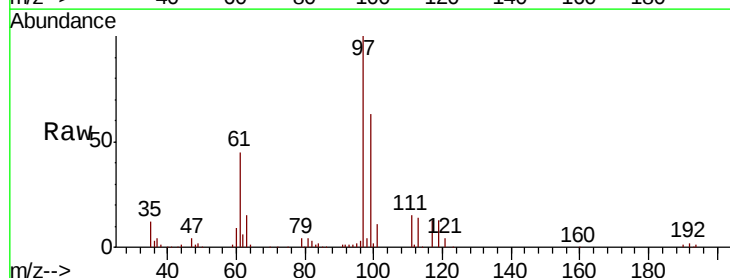
Manual Integrations
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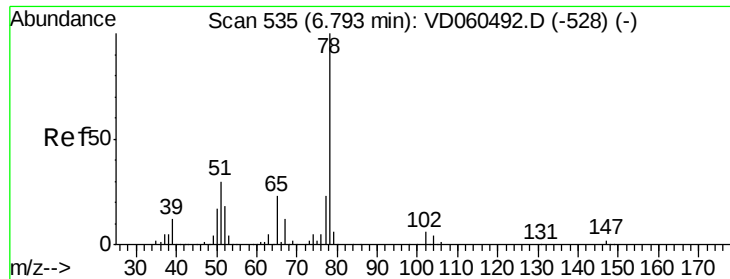
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#32
1,1,1-Trichloroethane
Concen: 20.509 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	44.7	35.3	52.9





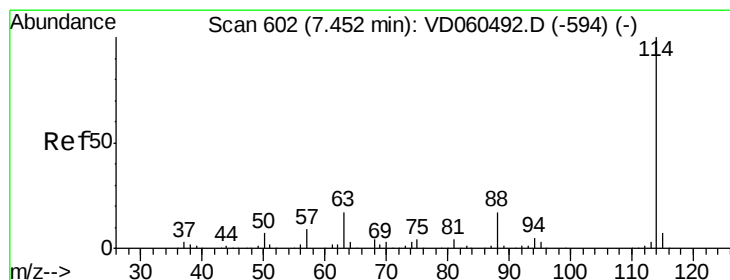
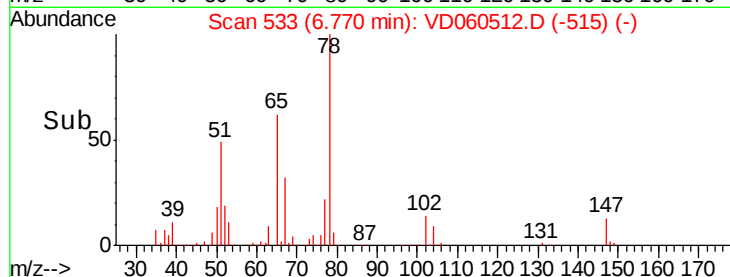
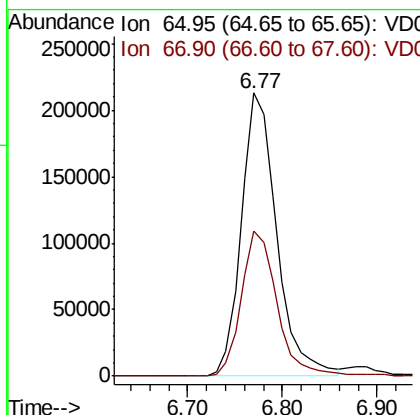
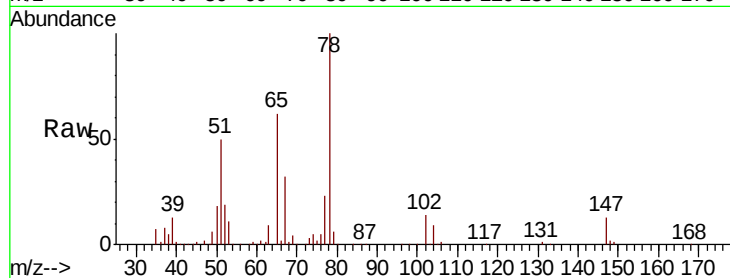
#33
 1,2-Dichloroethane-d4
 Concen: 20.509 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	106.8	

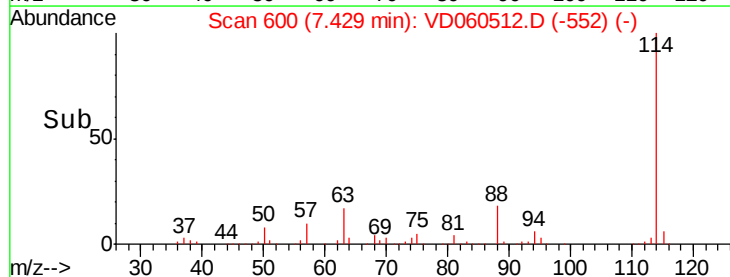
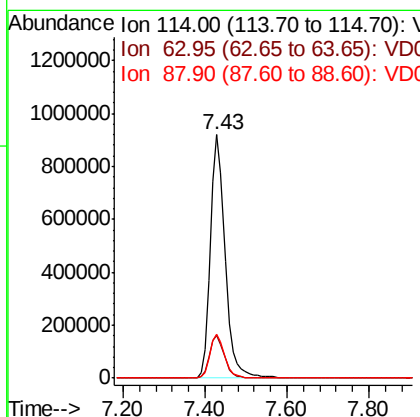
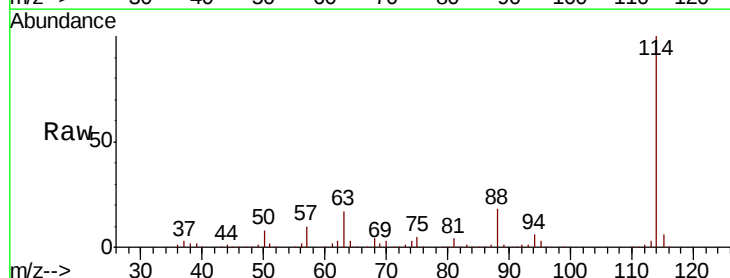
Manual Integrations
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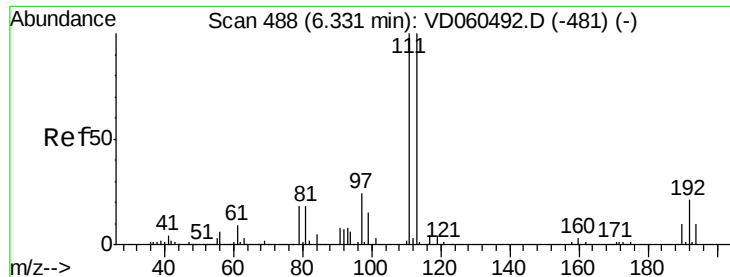
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	34.2	
88	17.9	0.0	35.0	





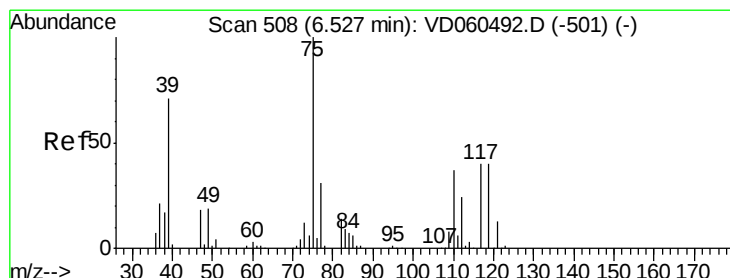
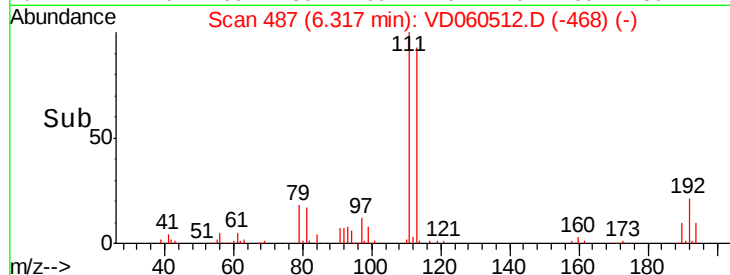
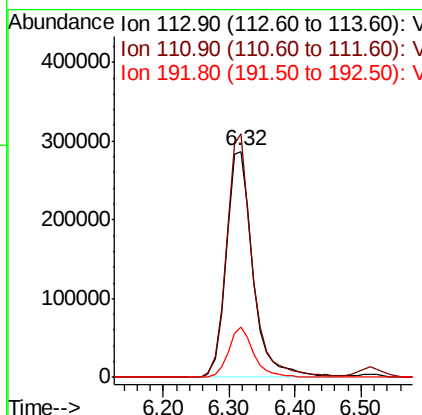
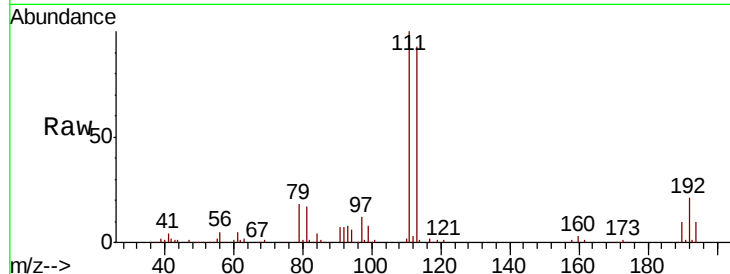
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	107.6	80.2	120.4	
192	22.3	16.6	24.8	

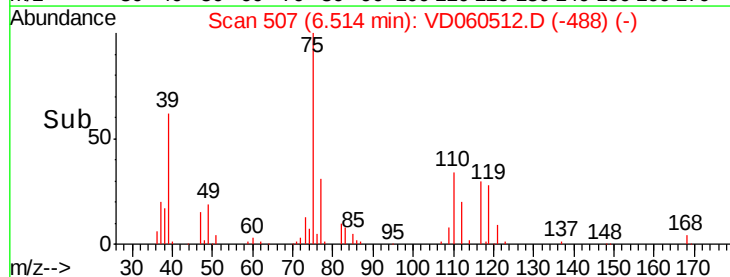
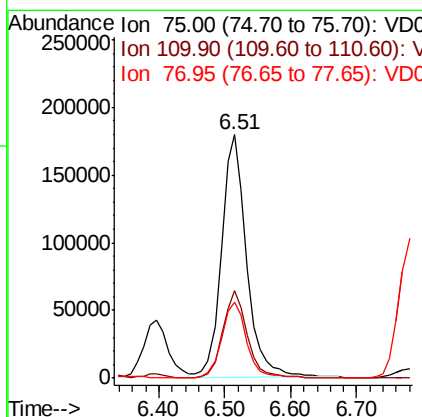
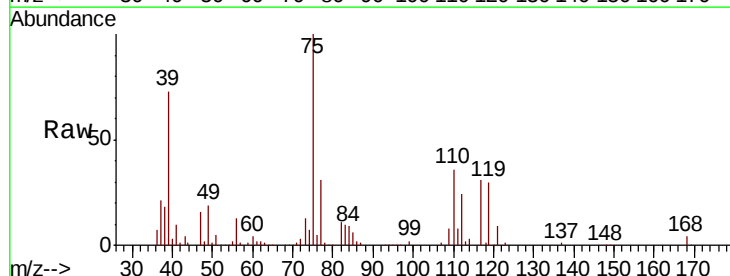
Manual Integrations
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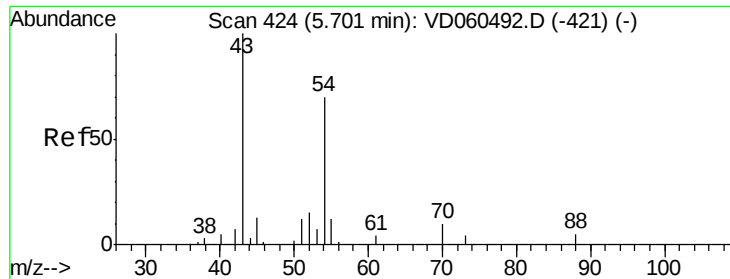
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.131 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.3	54.8	
77	31.4	24.6	37.0	





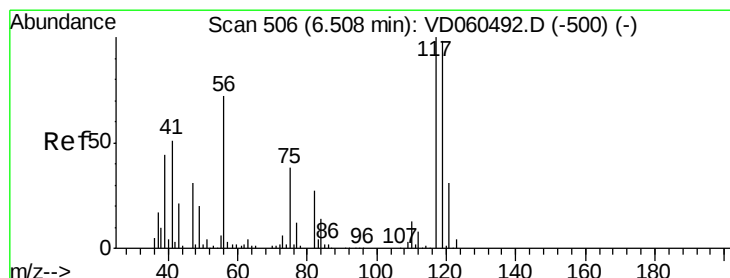
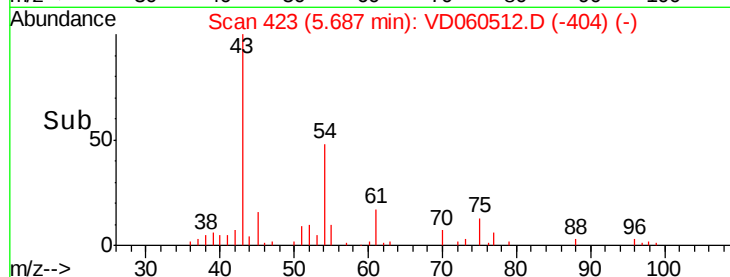
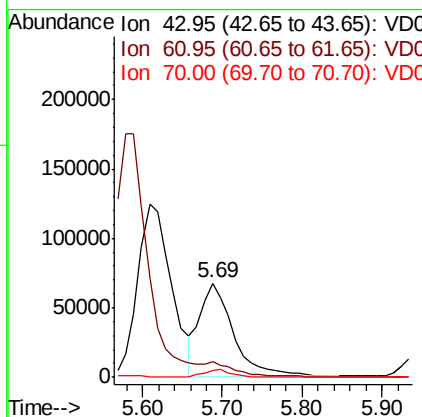
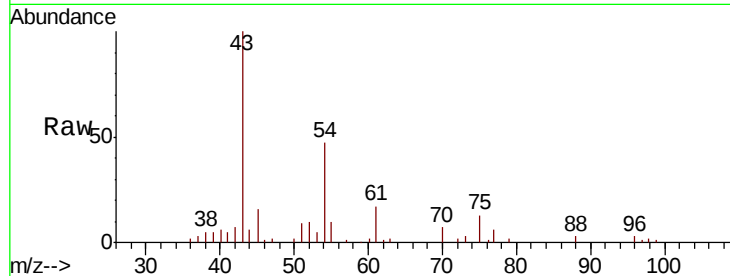
#37
Ethyl Acetate
Concen: 20.113 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	12.4	18.6
70	7.3	5.4	8.0

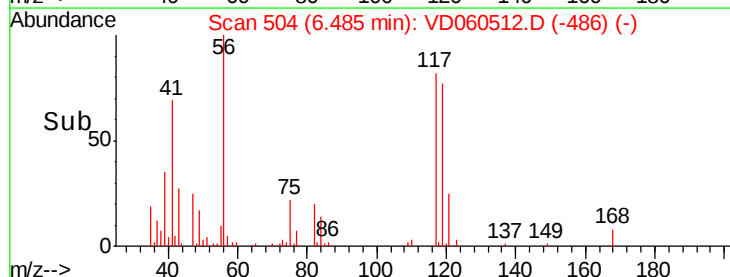
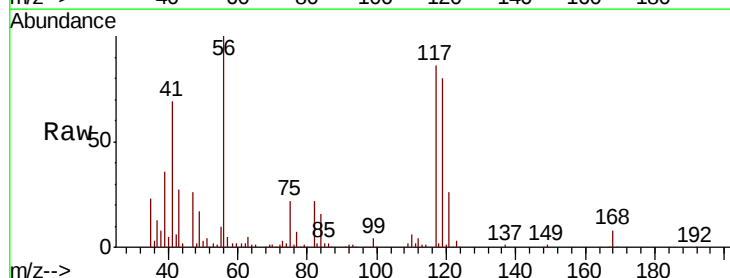
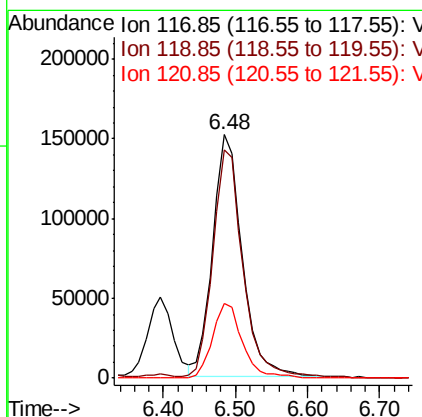
Manual Integrations
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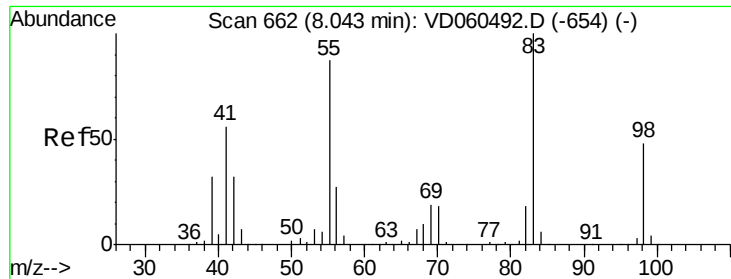
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#38
Carbon Tetrachloride
Concen: 21.249 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.8	115.2
121	30.8	24.4	36.6





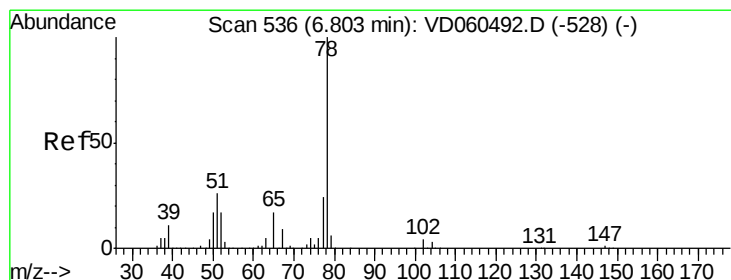
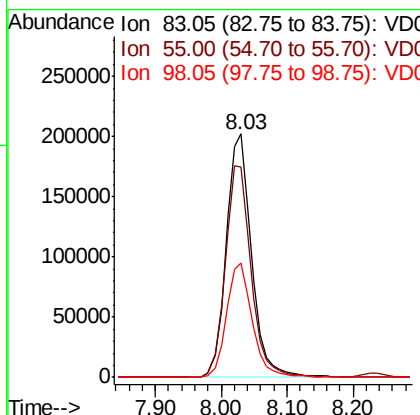
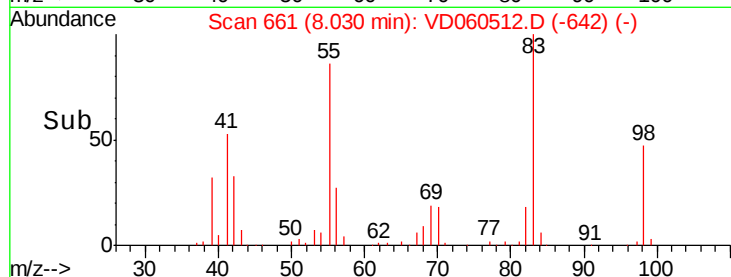
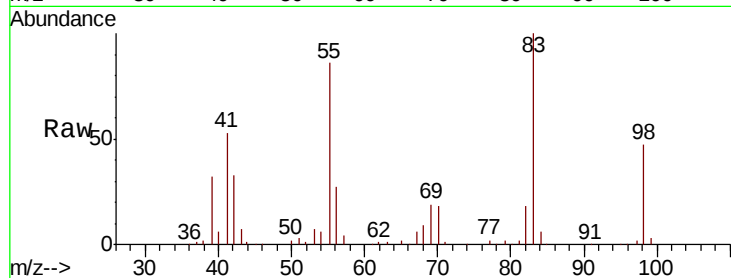
#39
Methvlcvclohexane
Concen: 21.183 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	83	Resp	541980
Ion Ratio	100	Lower	Upper
83	100		
55	86.5	69.8	104.8
98	47.0	38.4	57.6

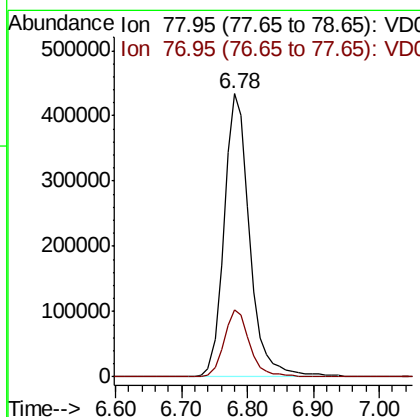
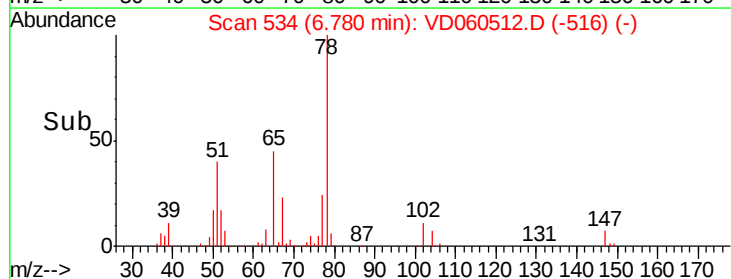
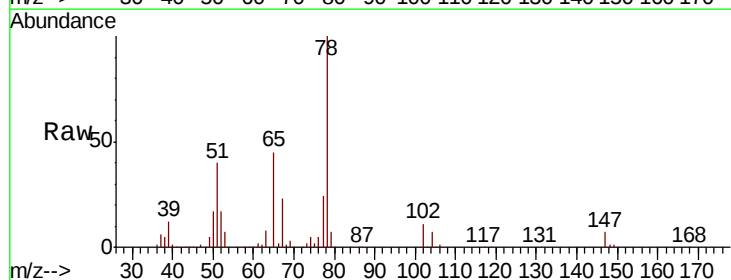
Manual Integrations
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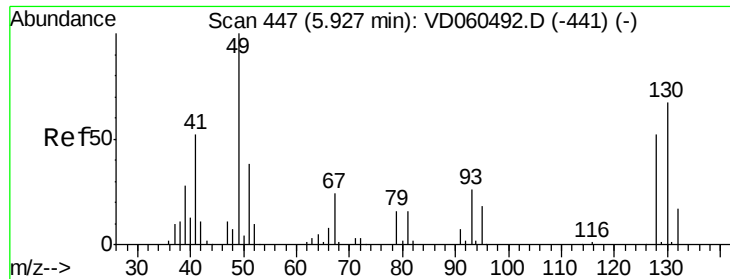
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#40
Benzene
Concen: 20.540 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	78	Resp	1178161
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.9	28.3





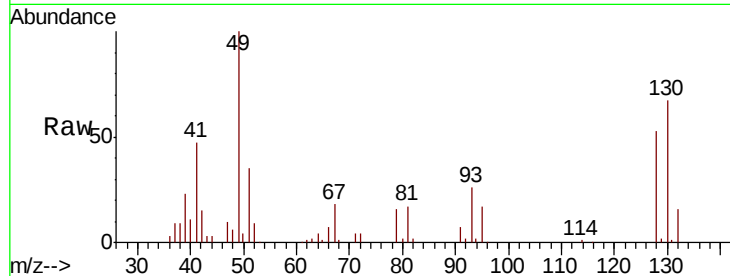
#41
Methacrylonitrile
Concen: 20.258 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleID :
VD1207SBS01

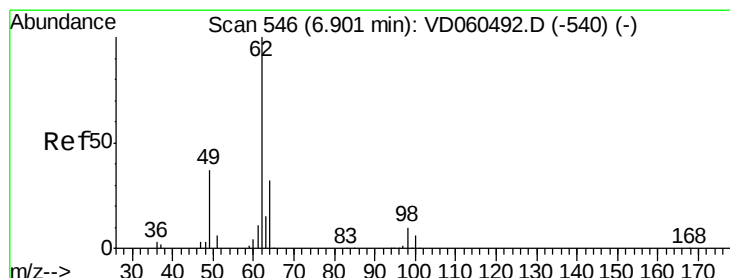
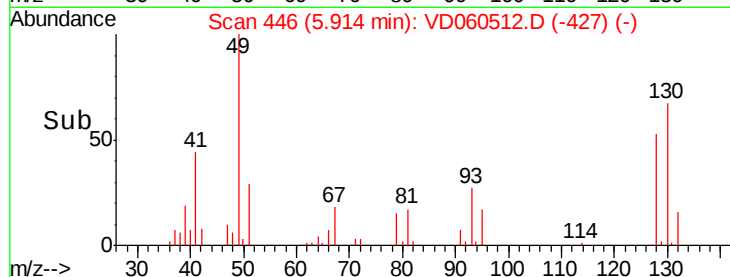
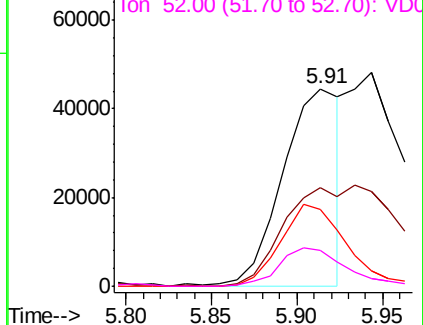
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.6	63.8
67	39.1	36.2	54.4
52	18.5	15.6	23.4

Manual Integrations
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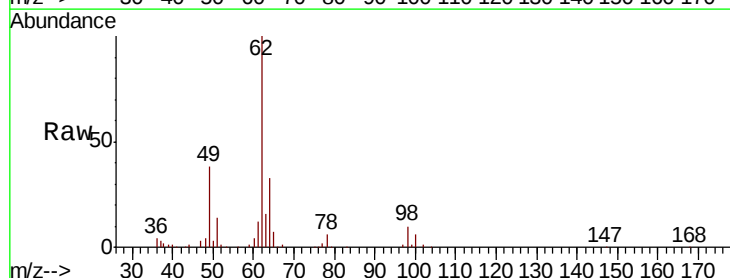


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

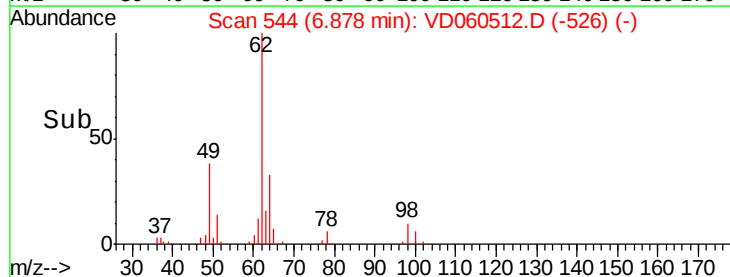
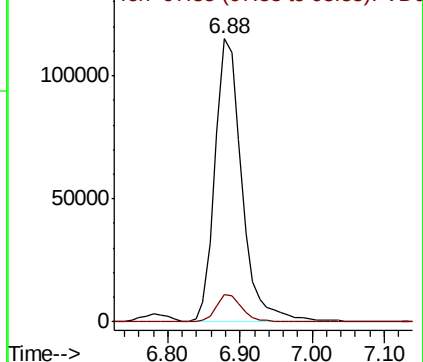


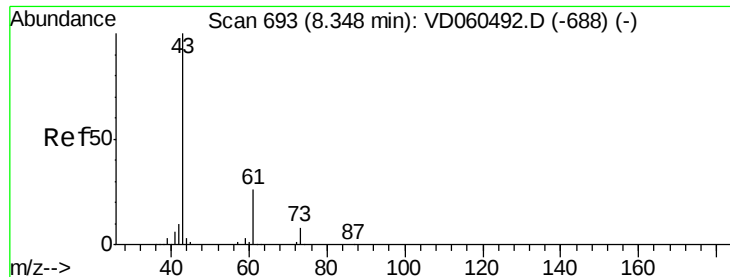
#42
1,2-Dichloroethane
Concen: 20.122 ug/l
RT: 6.88 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

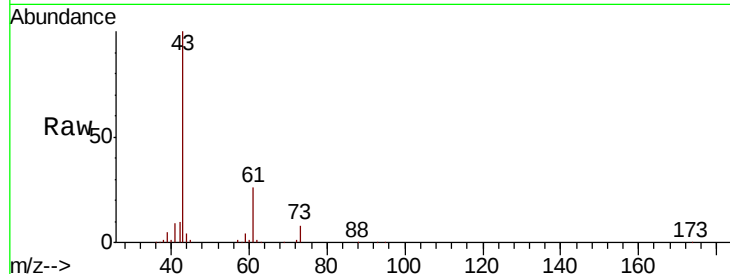
Isopropyl Acetate
 Concen: 20.529 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

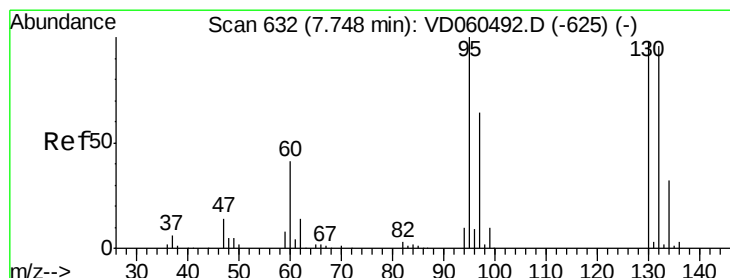
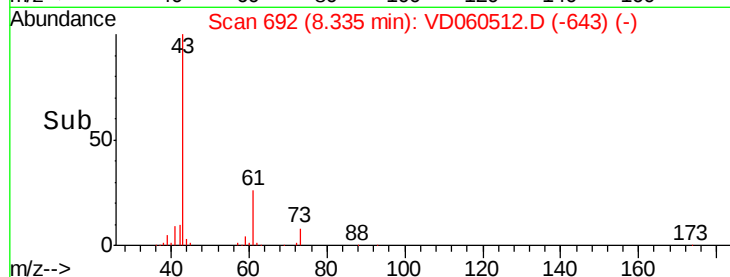
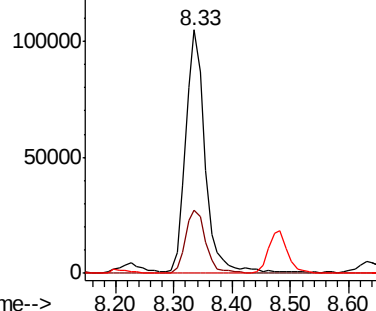
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.4
87	0.0	0.2	0.2

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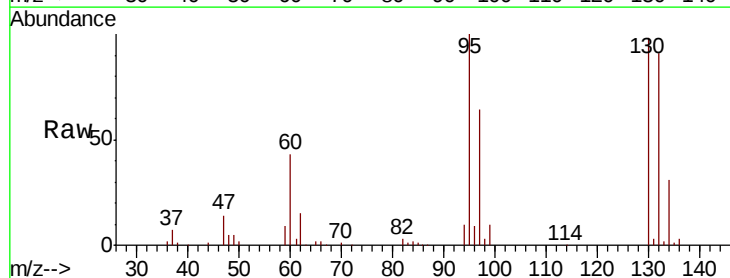
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



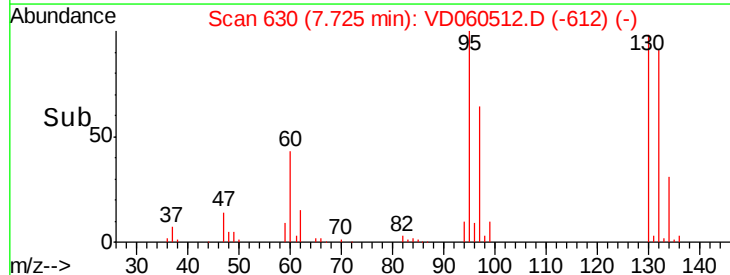
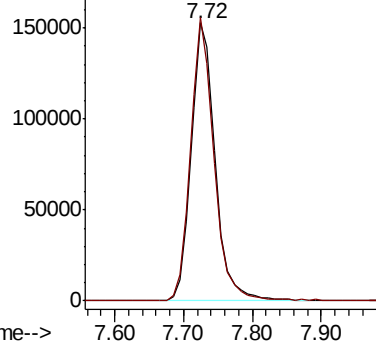
#44

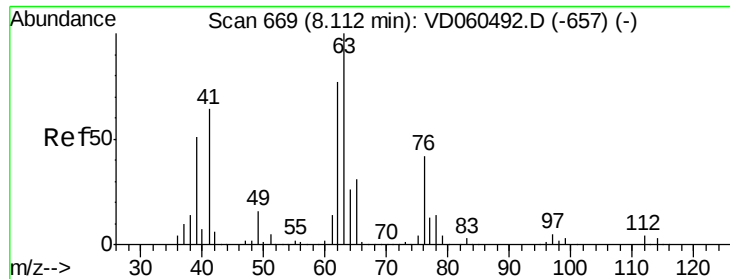
Trichloroethene
 Concen: 21.339 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





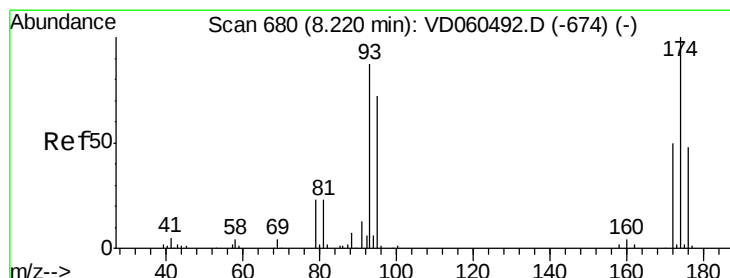
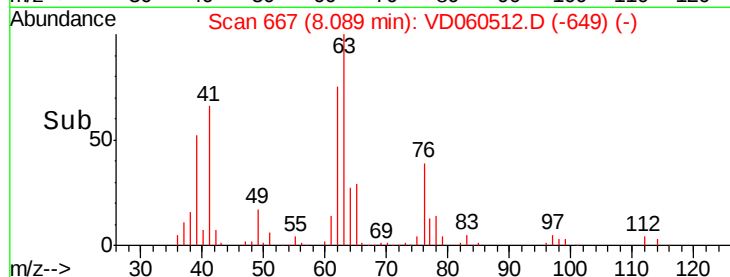
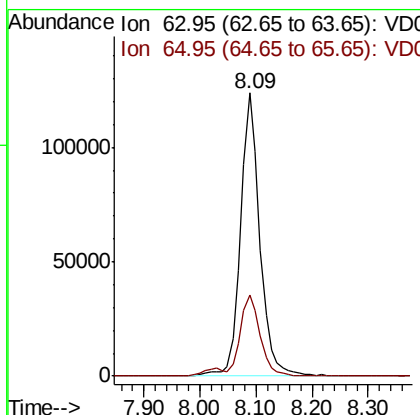
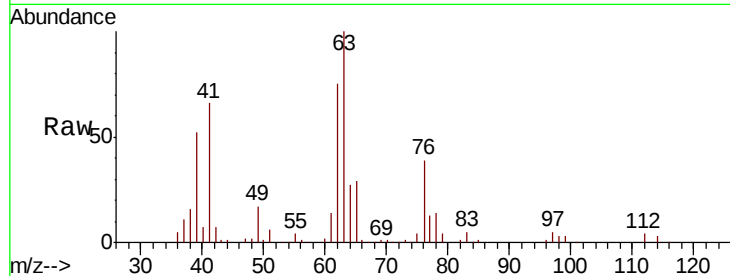
#45
 1,2-Dichloropropane
 Concen: 20.769 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

Tot Ion: 63 Resp: 294642
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.6 37.0

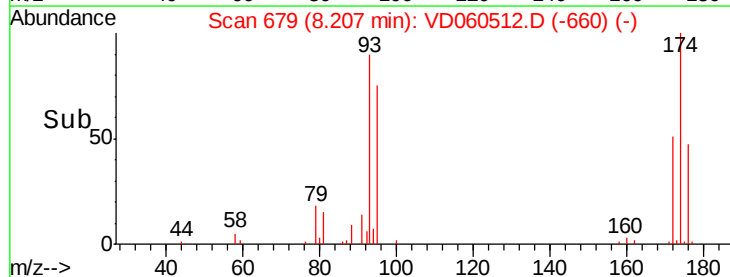
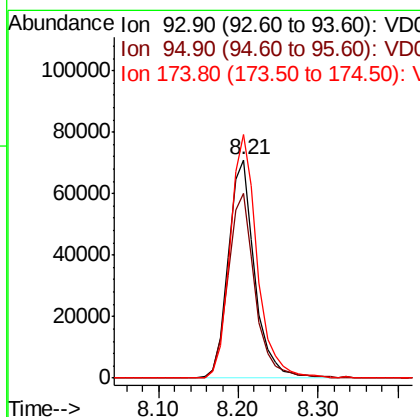
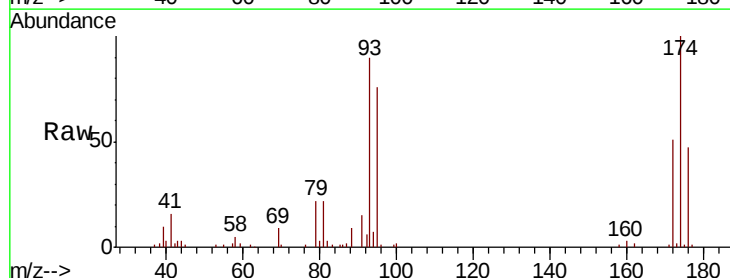
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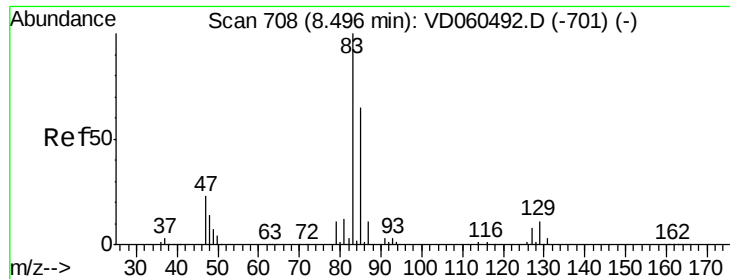
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#46
 Dibromomethane
 Concen: 20.081 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion: 93 Resp: 164596
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.6 98.4
 174 111.4 91.7 137.5





#47

Bromodichloromethane

Concen: 20.595 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

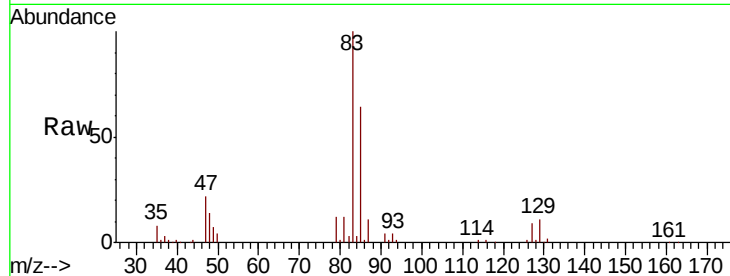
ClientSampleId :

VD1207SBS01

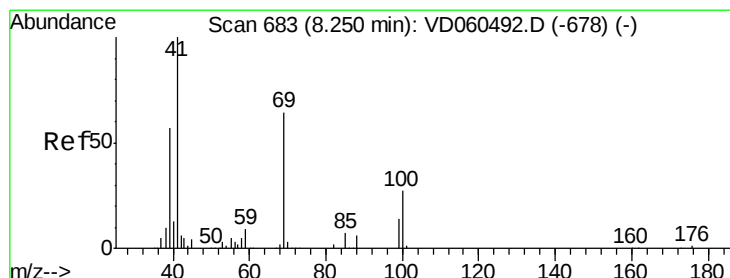
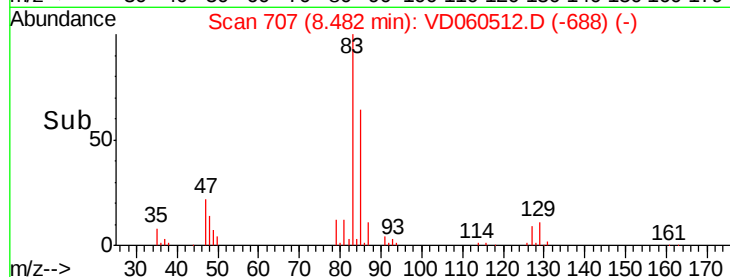
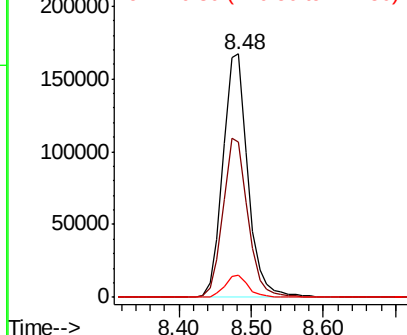
Tot Ion:	83	Resp:	400533
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.2	78.4
127	9.4	6.7	10.1

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.401 ug/l

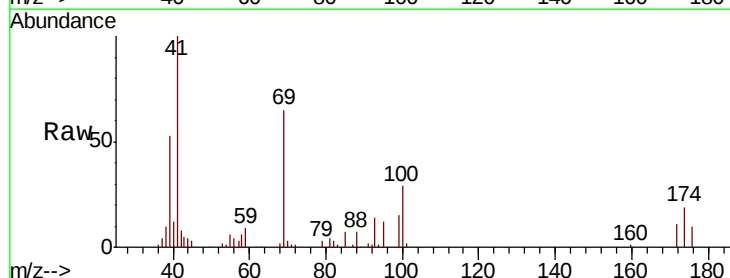
RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

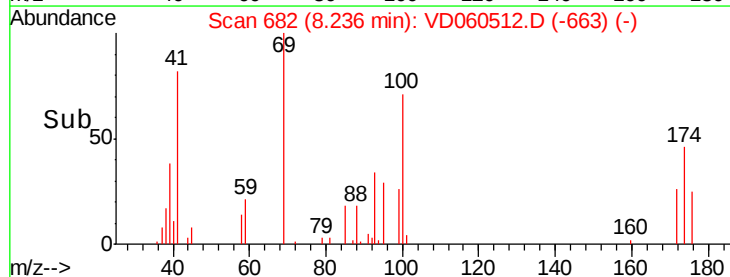
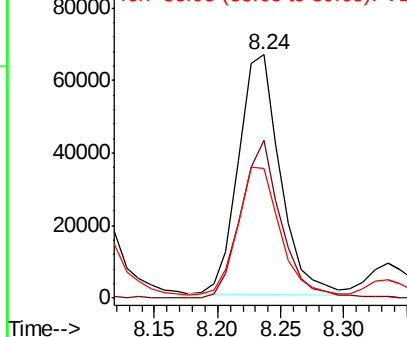
Lab File: VD060512.D

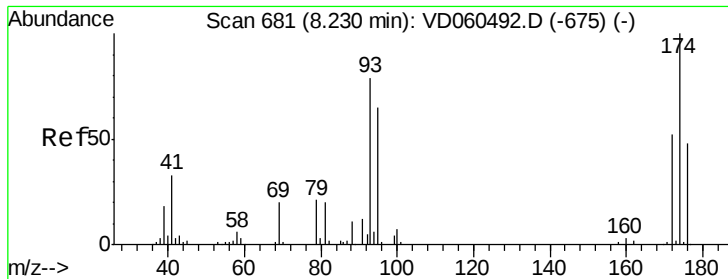
Acq: 7 Dec 2018 12:25

Tgt Ion:	41	Resp:	152150
Ion Ratio	Lower	Upper	
41	100		
69	64.9	50.2	75.4
39	53.4	46.1	69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





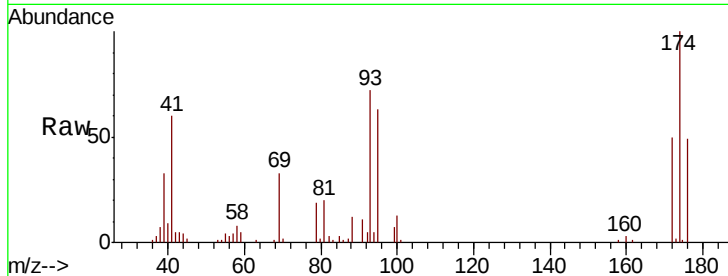
#49
1,4-Dioxane
Concen: 410.907 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

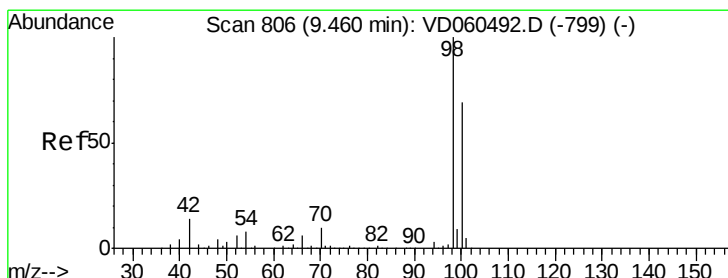
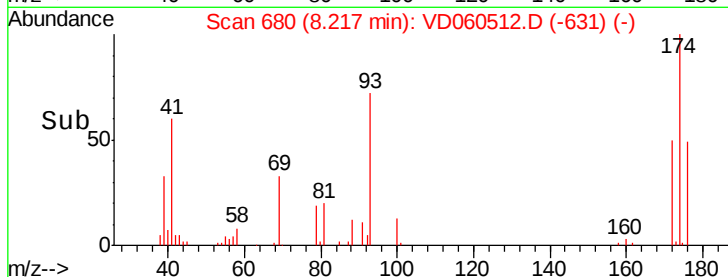
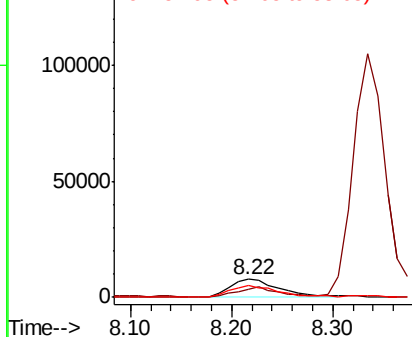
Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	32.9	49.3
58	66.3	47.7	71.5

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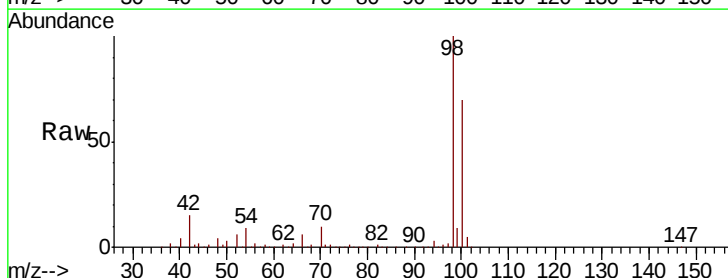


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

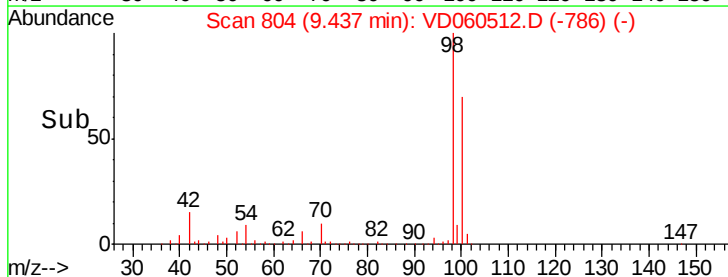
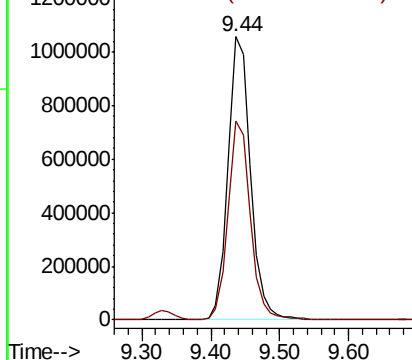


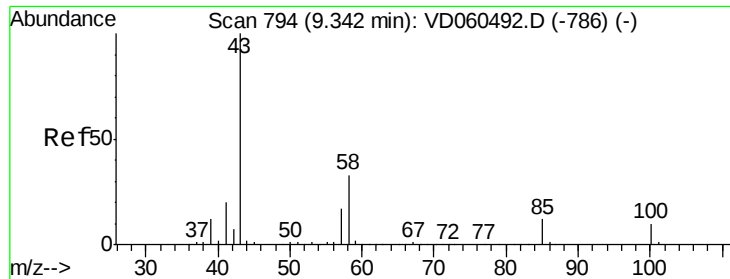
#50
Toluene-d8
Concen: 410.907 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.7	83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.741 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleID :

VD1207SBS01

Tot Ion: 43 Resp: 767900

Ion Ratio Lower Upper

43 100

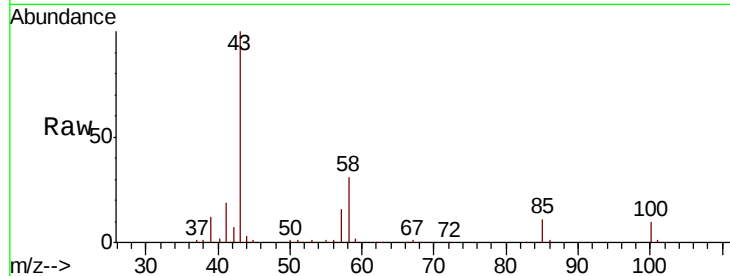
58 31.0 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

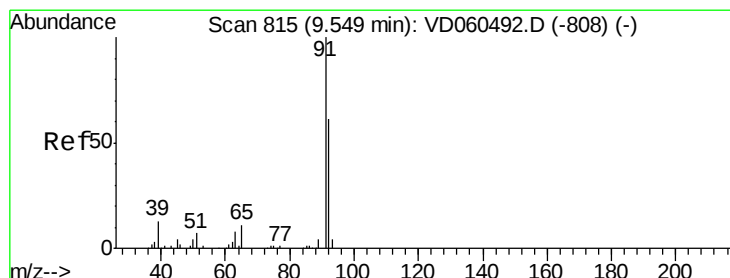
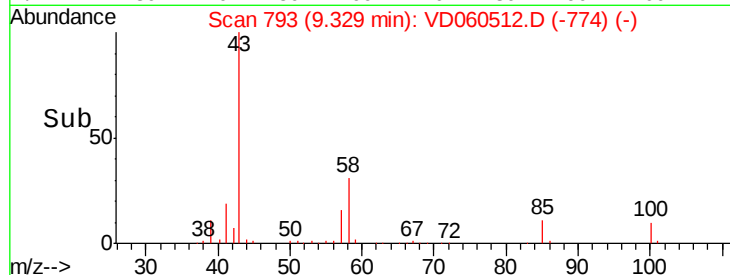
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.722 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060512.D

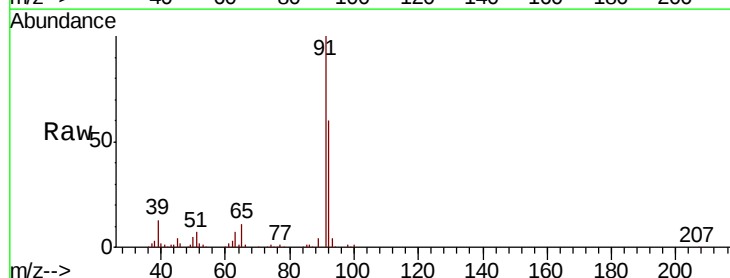
Acq: 7 Dec 2018 12:25

Tgt Ion: 92 Resp: 742903

Ion Ratio Lower Upper

92 100

91 167.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

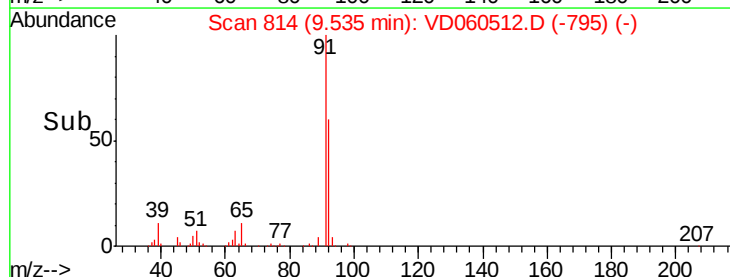
600000

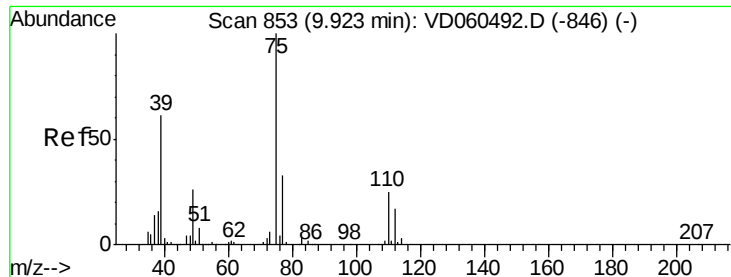
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.364 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.02 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 75 Resp: 325429

Ion Ratio Lower Upper

75 100

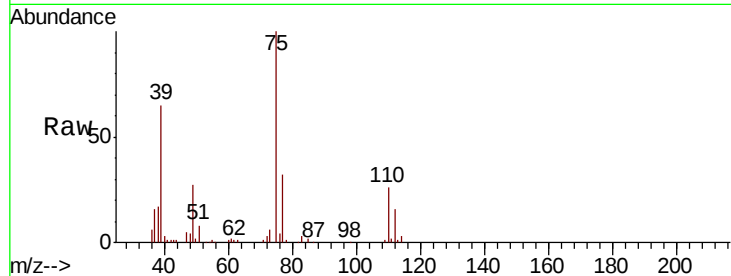
77 31.8 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

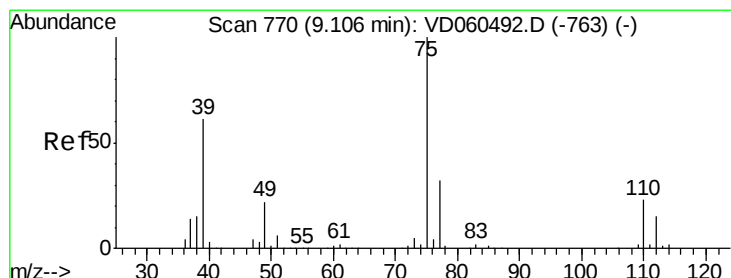
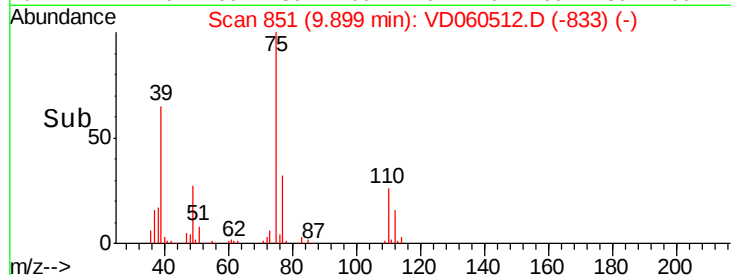
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.422 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

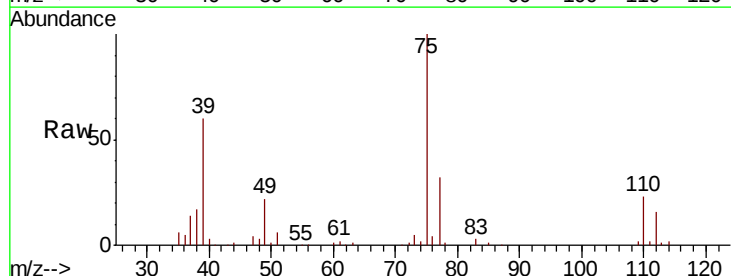
Tgt Ion: 75 Resp: 428787

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 60.0 48.6 73.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

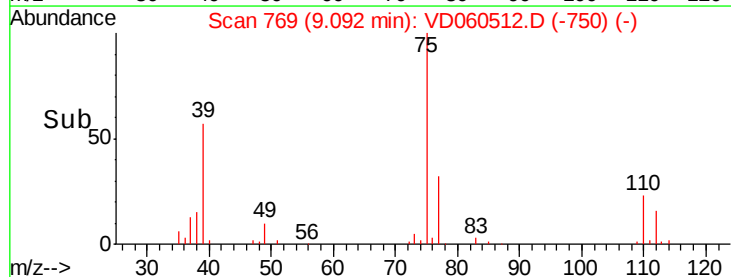
100000

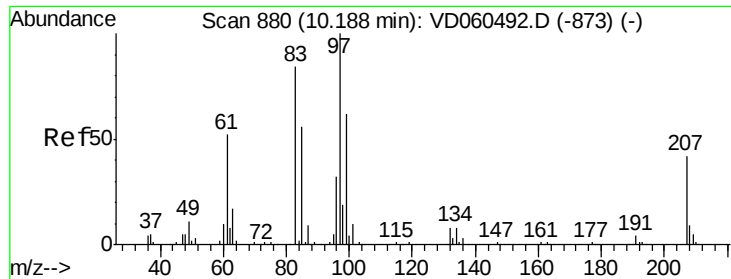
50000

0

9.00 9.10 9.20

Time-->





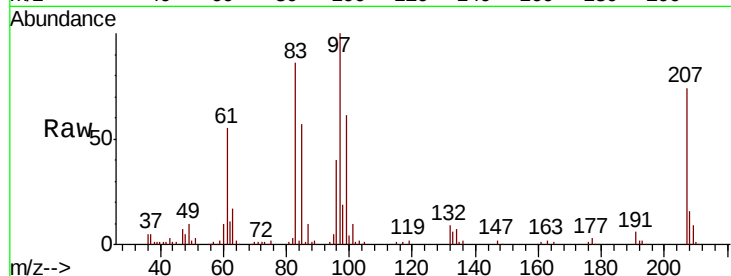
#55
 1,1,2-Trichloroethane
 Concen: 20.125 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

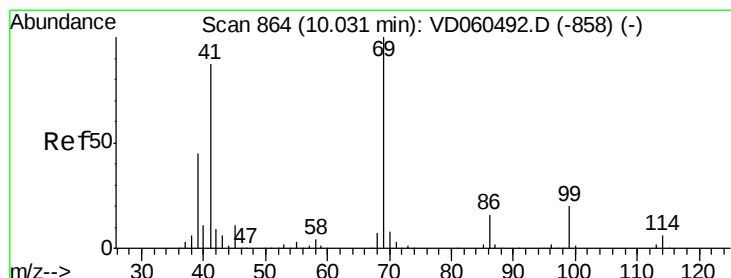
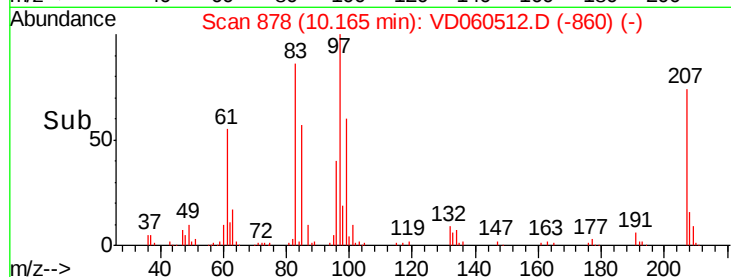
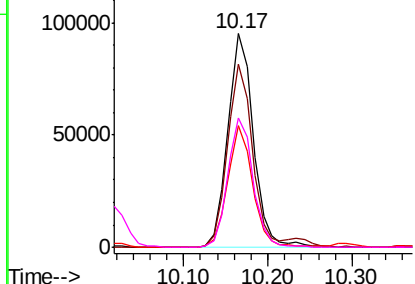
Tot Ion	Ratio	Resp	Lower	Upper
97	100	200931		
83	85.8	67.2	100.8	
85	56.7	44.5	66.7	
99	60.5	49.3	73.9	

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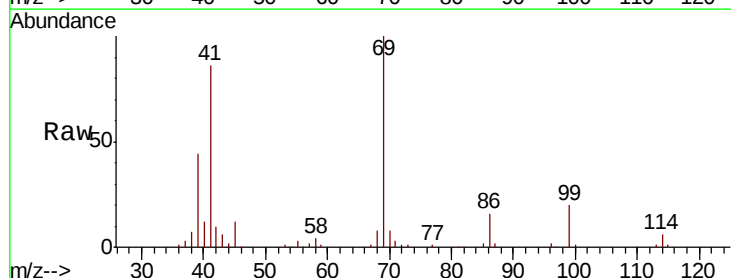


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

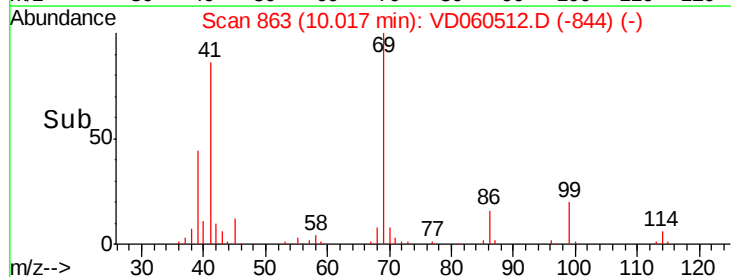
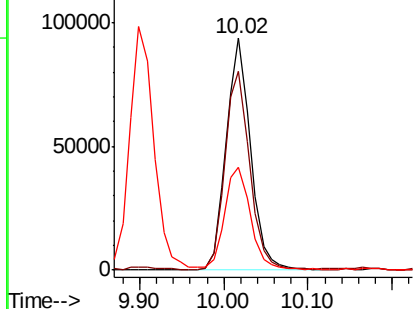


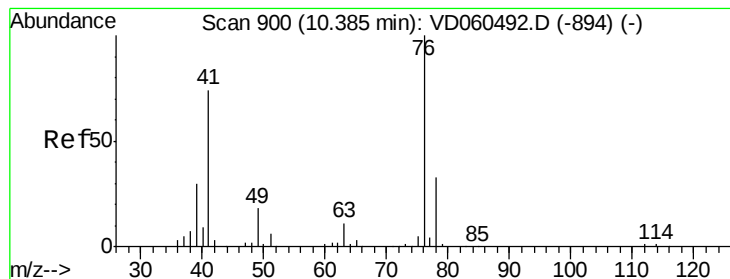
#56
 Ethyl methacrylate
 Concen: 20.903 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	188870		
41	85.7	69.8	104.8	
39	44.2	37.5	56.3	



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.641 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 76 Resp: 318577

Ion Ratio Lower Upper

76 100

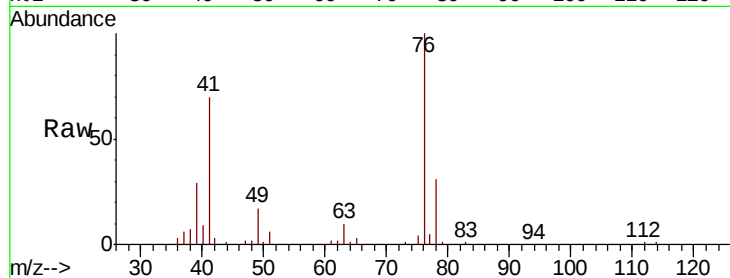
78 30.7 26.1 39.1

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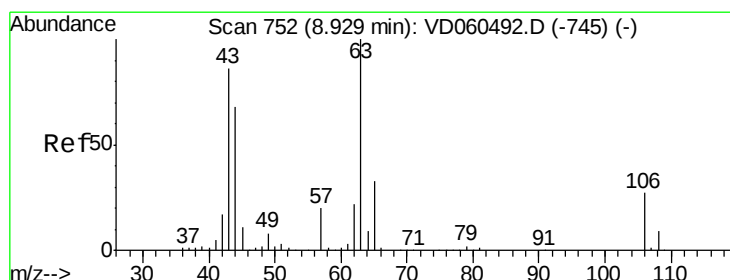
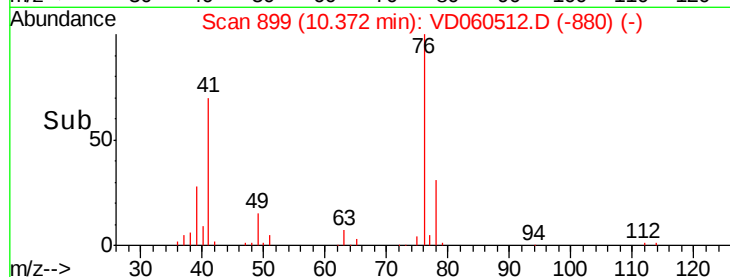
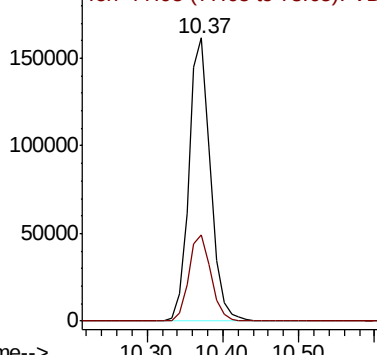
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.467 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD060512.D

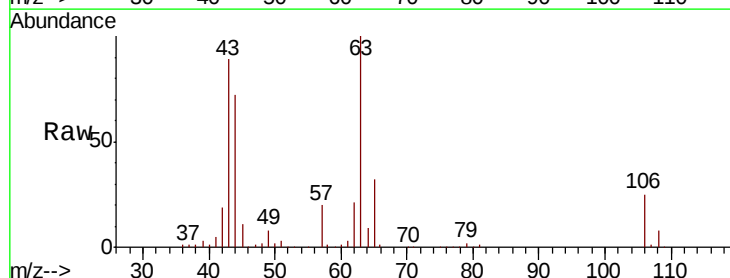
Acq: 7 Dec 2018 12:25

Tgt Ion: 63 Resp: 559391

Ion Ratio Lower Upper

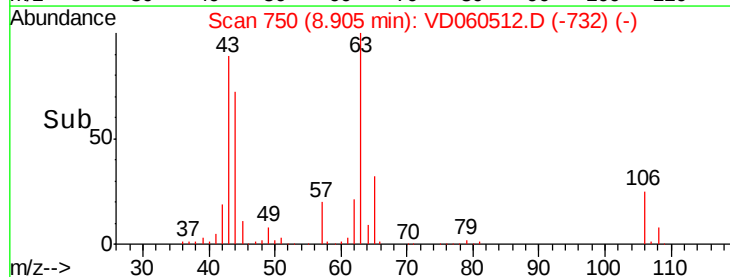
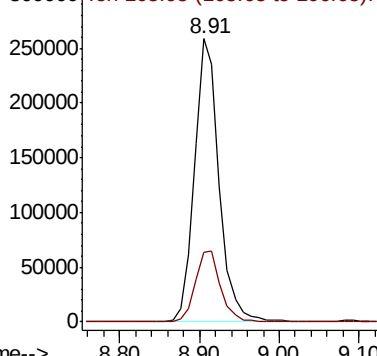
63 100

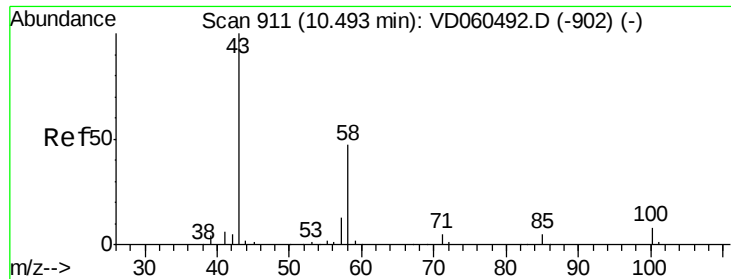
106 24.8 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





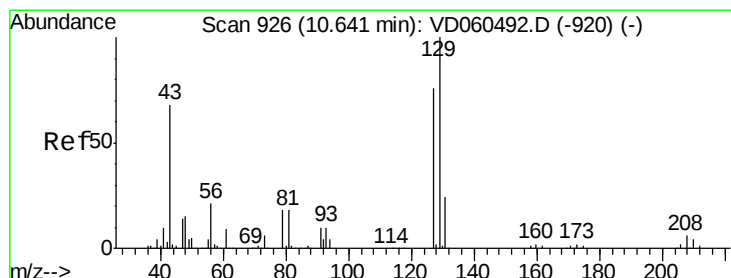
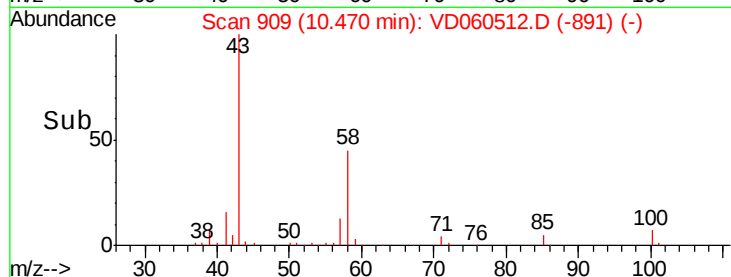
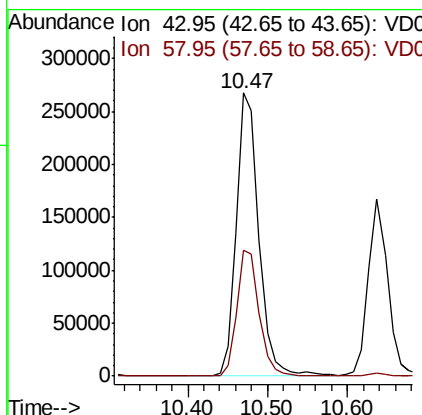
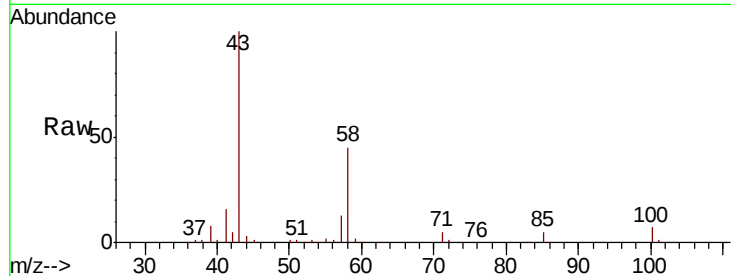
#59
2-Hexanone
Concen: 101.035 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 43 Resp: 527835
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.2

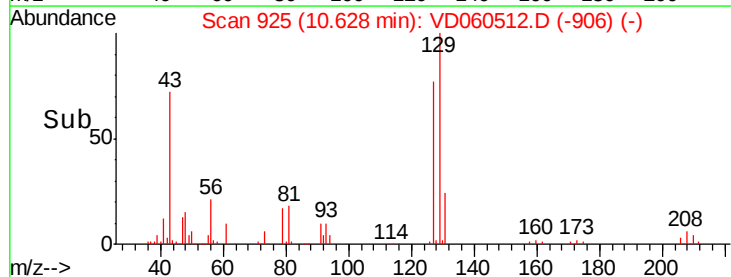
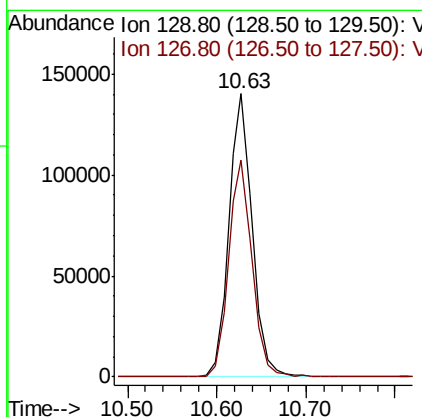
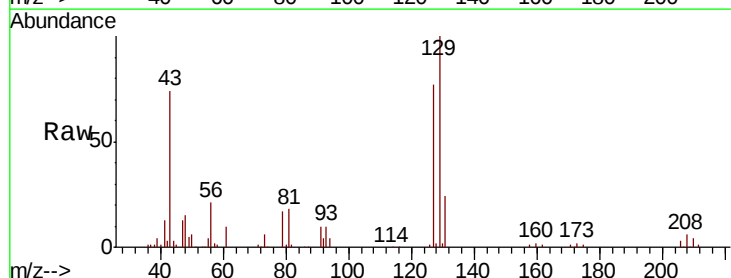
Manual Integrations
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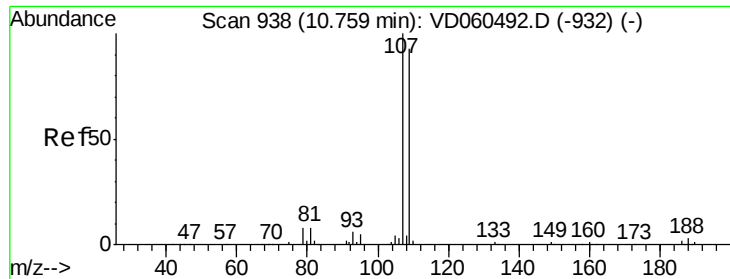
apatel
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#60
Dibromochloromethane
Concen: 20.636 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 129 Resp: 257589
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





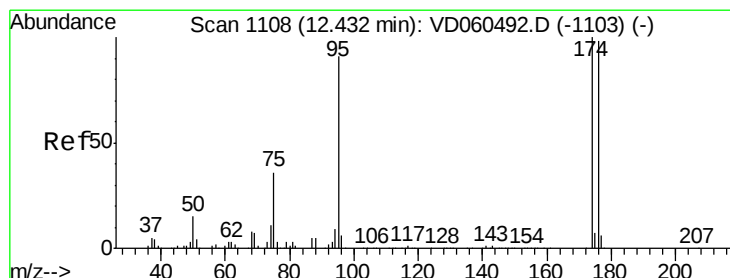
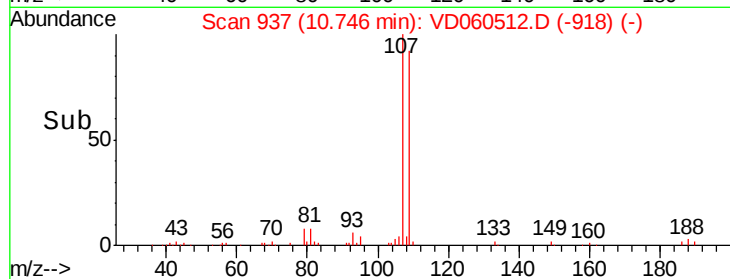
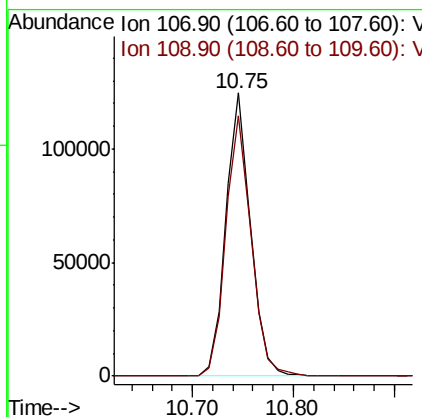
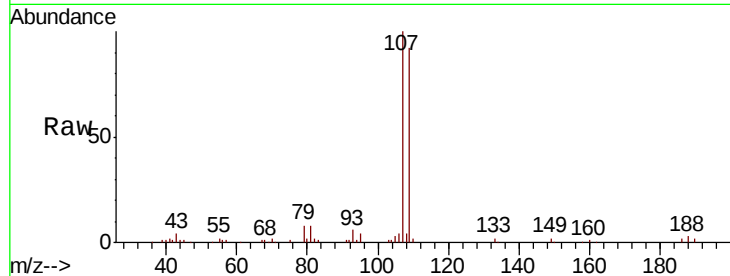
#61
 1,2-Dibromoethane
 Concen: 20.863 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.7	112.1

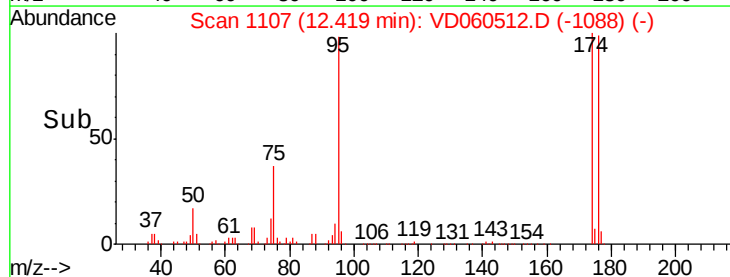
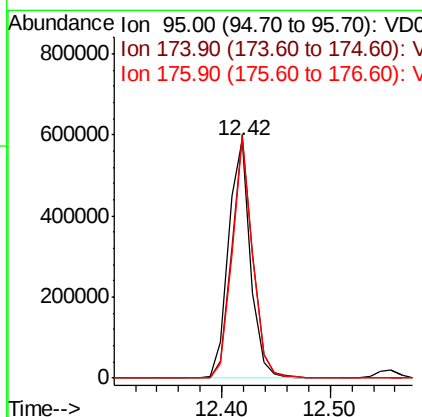
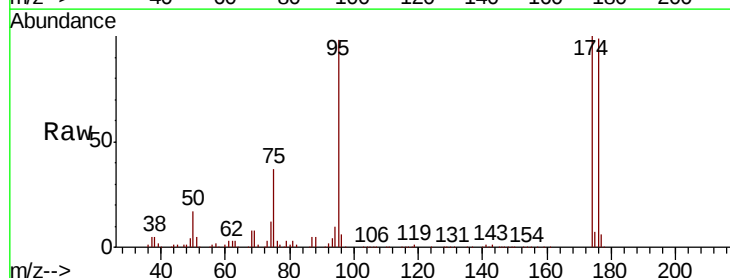
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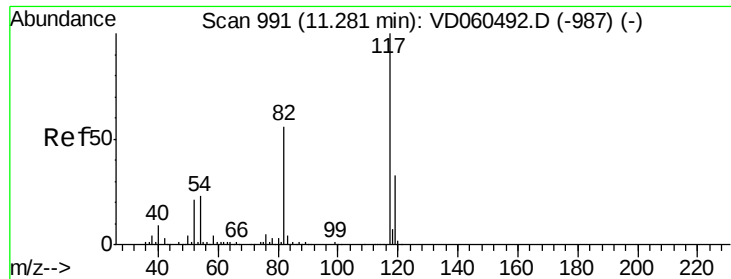
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#62
 4-Bromofluorobenzene
 Concen: 20.863 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.3	0.0	219.4
176	101.5	0.0	214.6





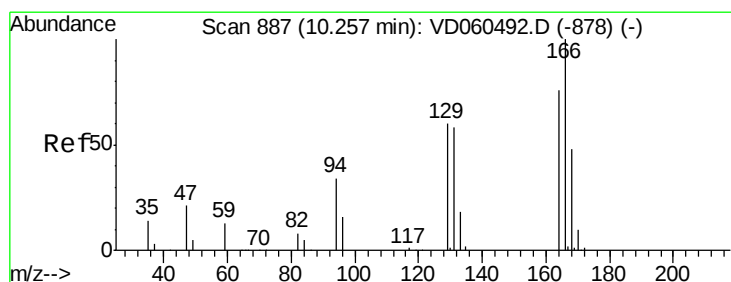
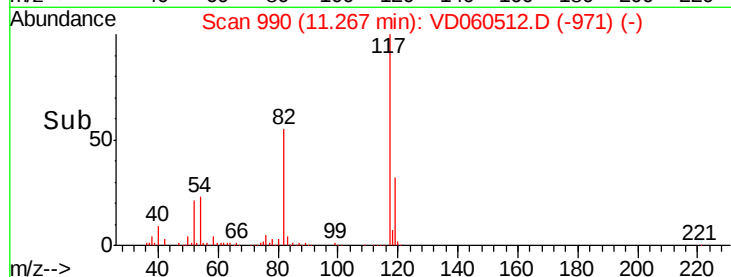
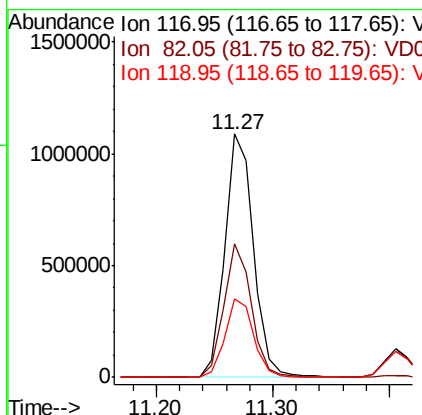
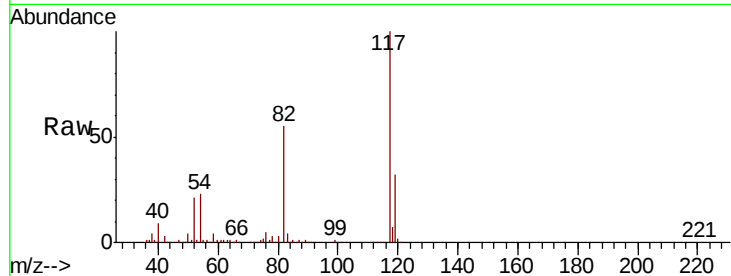
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion:117 Resp: 1848100
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.4 26.1 39.1

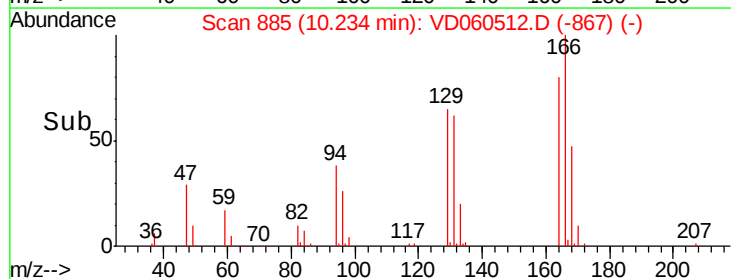
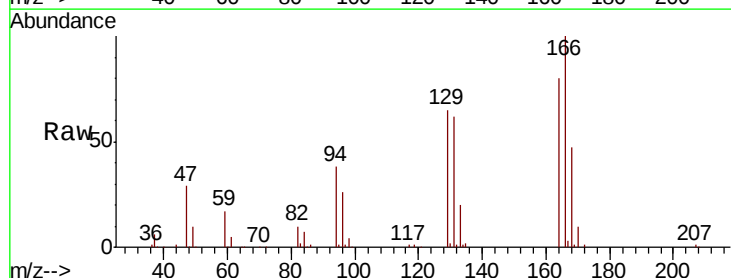
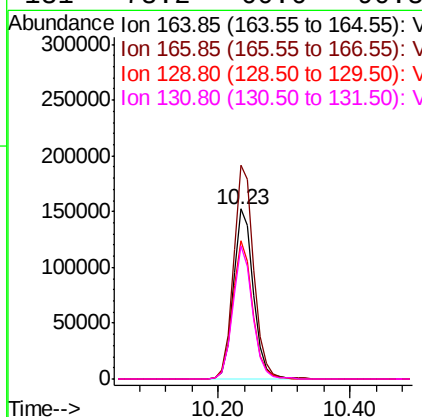
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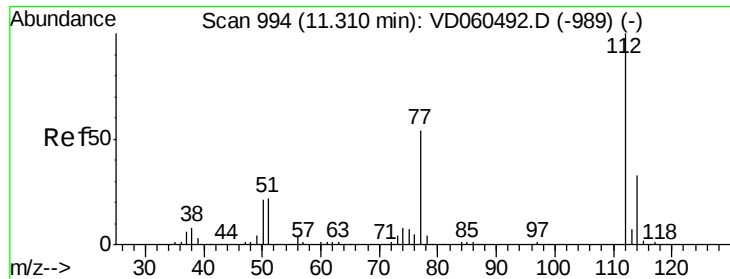
apatel
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#64
Tetrachloroethene
Concen: 19.678 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.02 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion:164 Resp: 322024
Ion Ratio Lower Upper
164 100
166 125.7 105.0 157.6
129 81.2 63.0 94.4
131 78.2 60.6 90.8





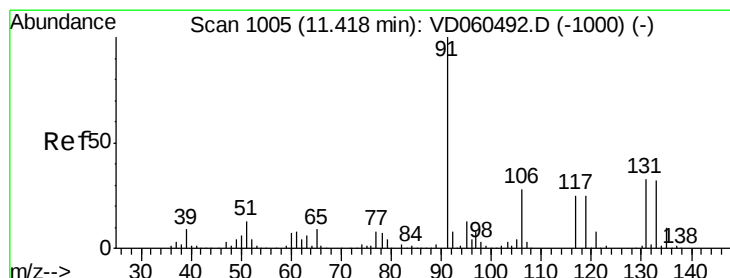
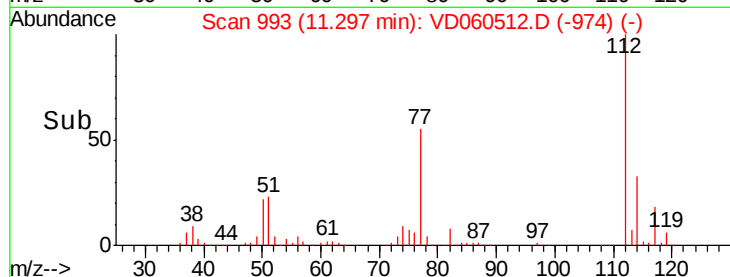
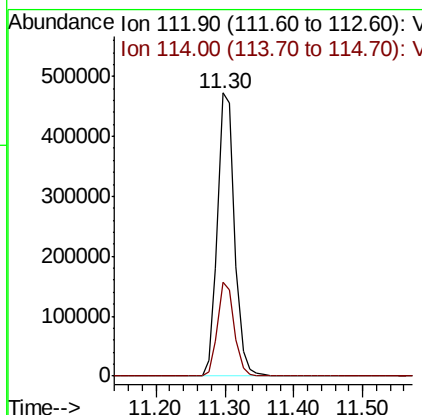
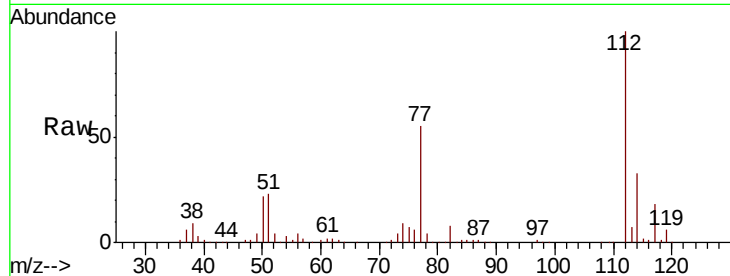
#65
Chlorobenzene
Concen: 20.939 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBSD01

Tot Ion:112 Resp: 818672
Ion Ratio Lower Upper
112 100
114 33.4 26.2 39.4

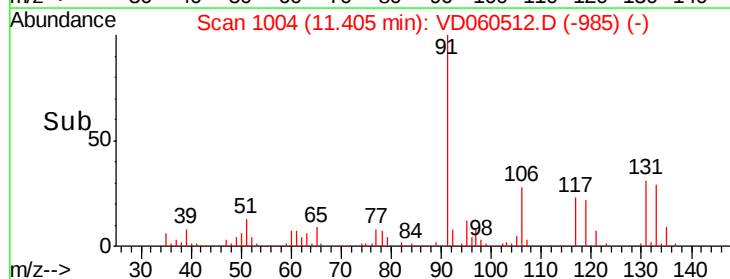
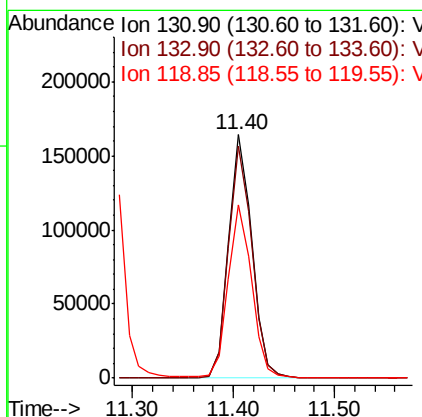
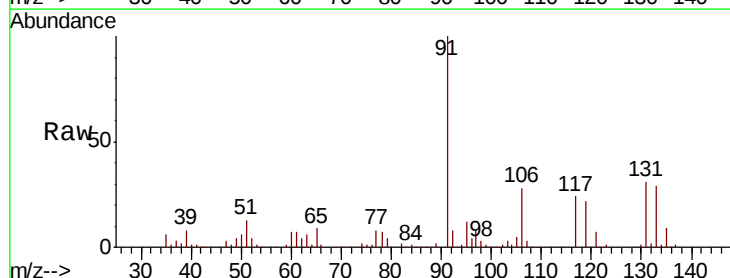
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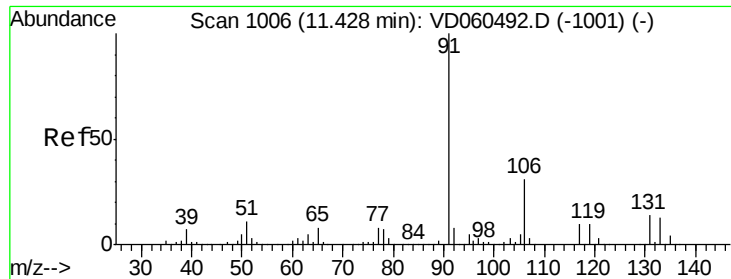
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.851 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion:131 Resp: 262763
Ion Ratio Lower Upper
131 100
133 95.4 49.1 147.3
119 71.0 37.5 112.3





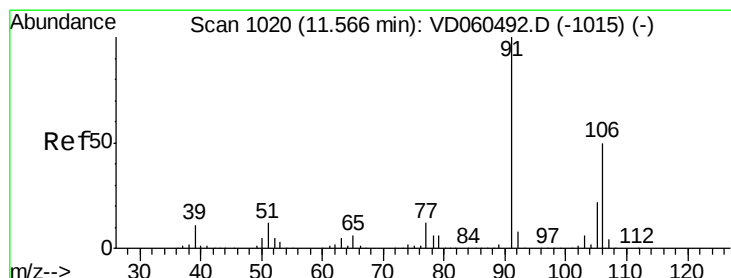
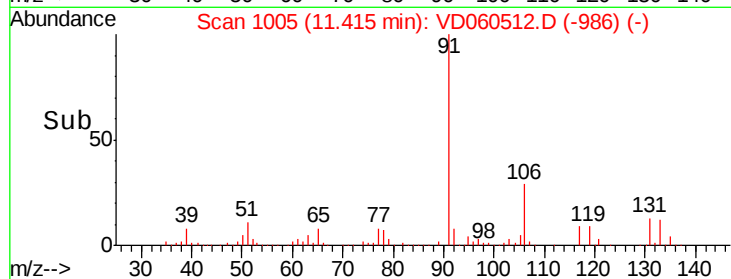
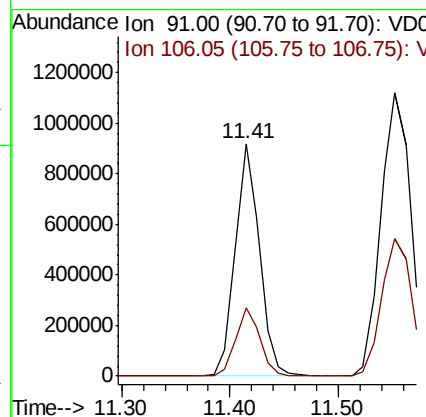
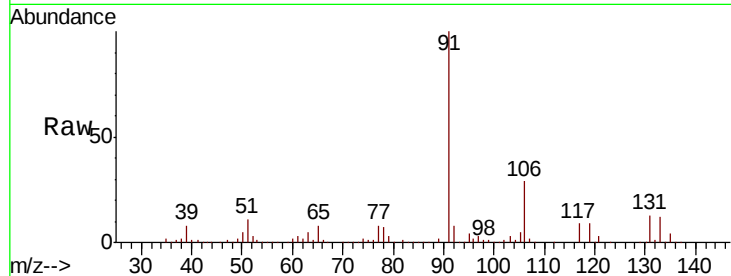
#67
Ethyl Benzene
Concen: 21.546 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 91 Resp: 1436877
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0

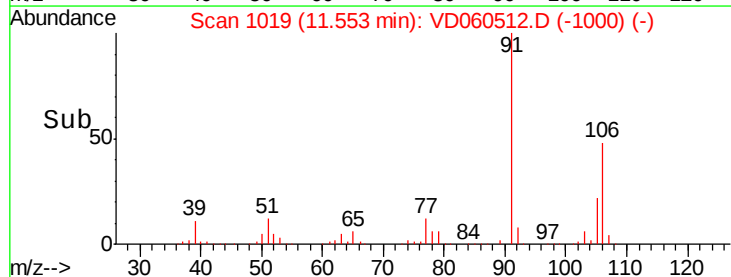
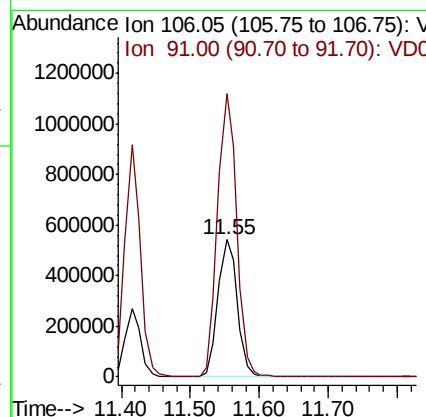
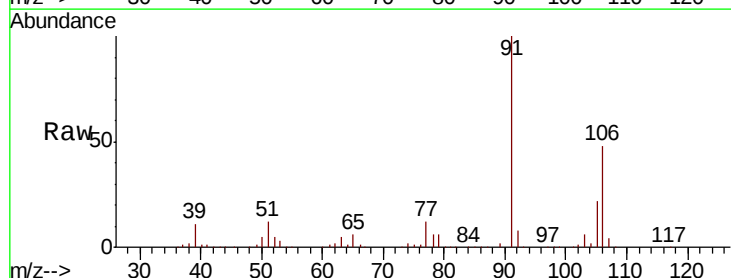
Manual Integrations
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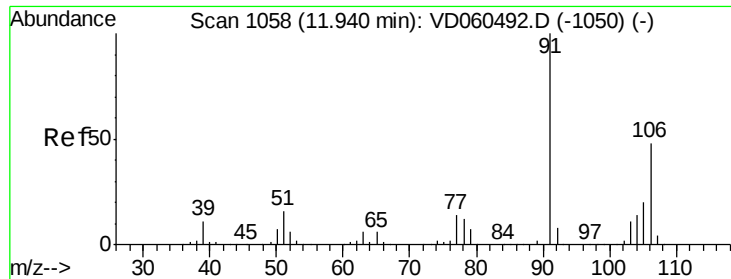
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#68
m/p-Xylenes
Concen: 42.716 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 106 Resp: 1053877
Ion Ratio Lower Upper
106 100
91 206.4 160.5 240.7





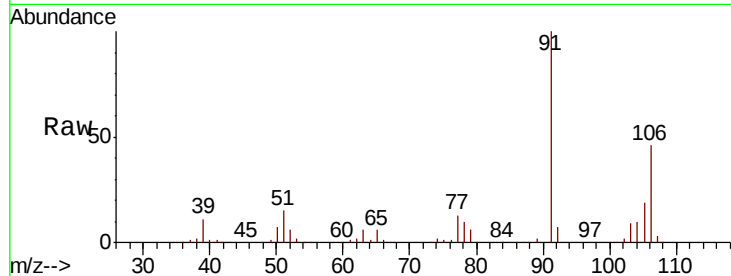
#69
o-Xylene
Concen: 20.927 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleID :
VD1207SBS01

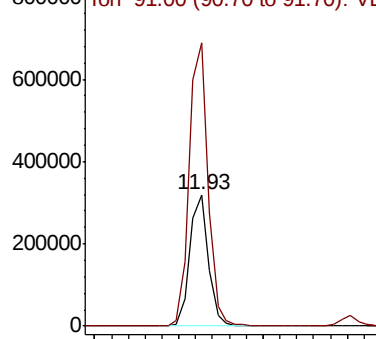
Tot Ion:106 Resp: 492038
Ion Ratio Lower Upper
106 100
91 215.4 103.4 310.1

Manual Integrations
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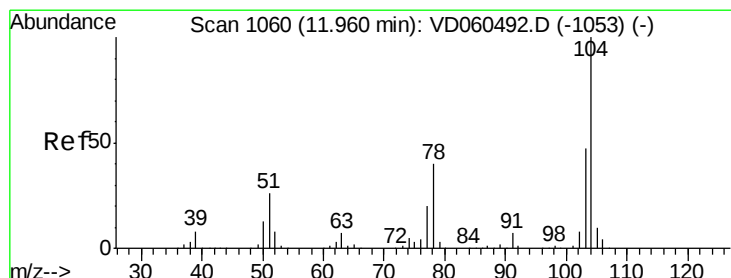
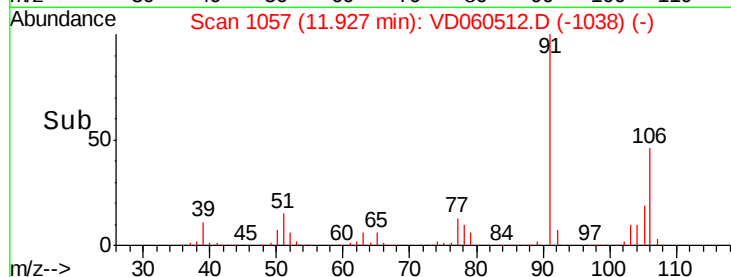
apatel
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

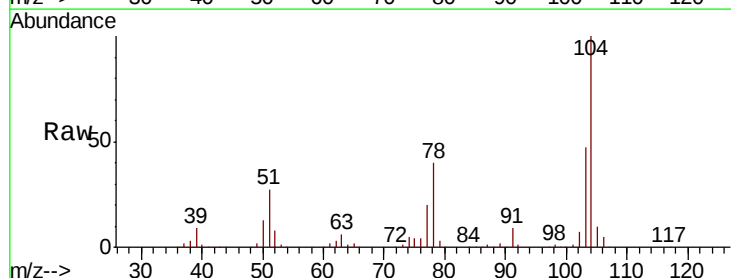


Time--> 11.80 11.90 12.00 12.10

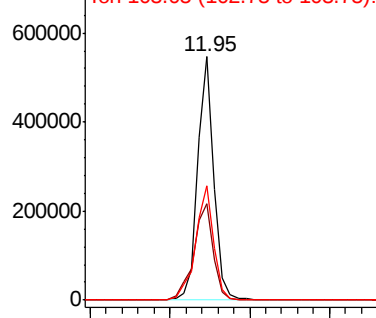


#70
Styrene
Concen: 20.748 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

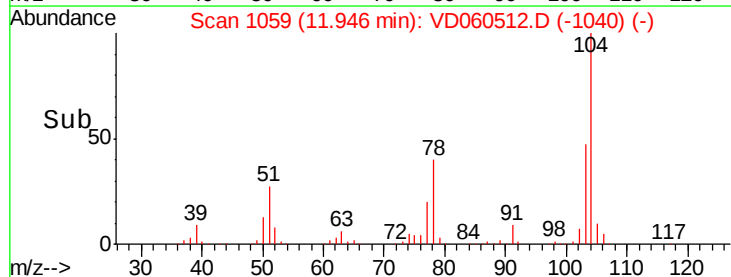
Tgt Ion:104 Resp: 783035
Ion Ratio Lower Upper
104 100
78 39.5 32.1 48.1
103 46.9 37.2 55.8

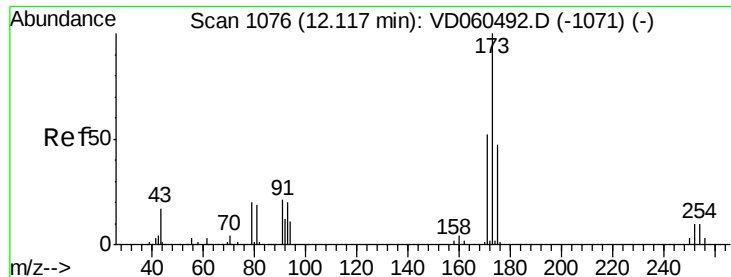


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.80 11.90 12.00 12.10





#71

Bromoform

Concen: 19.362 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

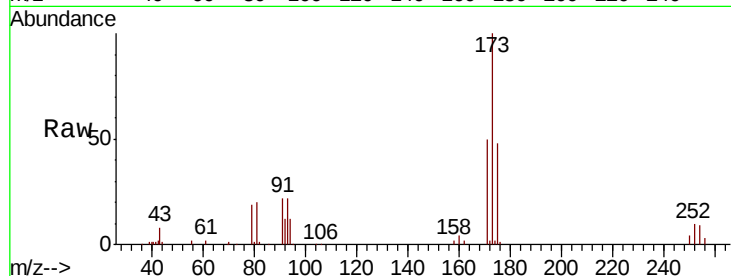
ClientSampleId :

VD1207SBS01

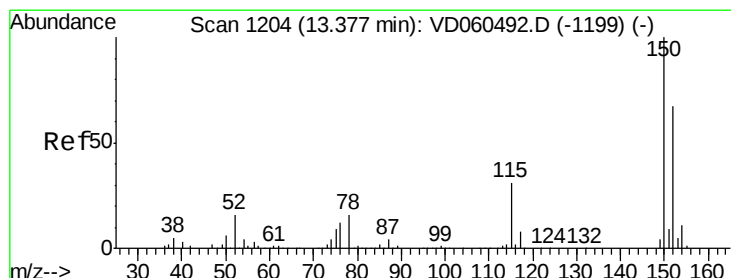
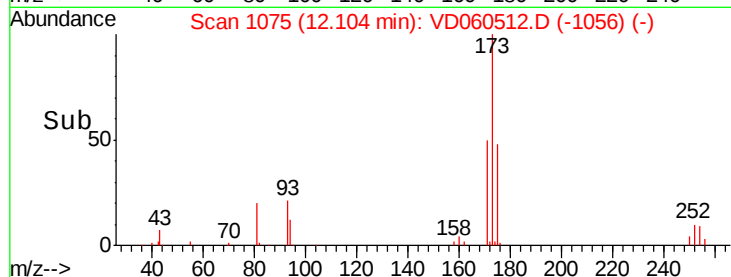
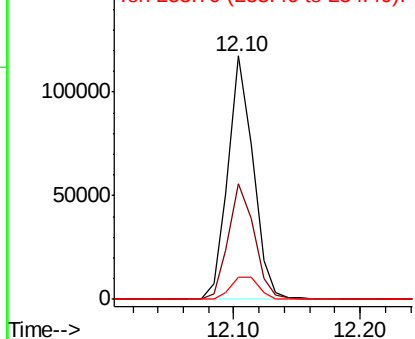
Tot Ion:	173	Resp:	162784
Ion Ratio	Lower	Upper	
173	100		
175	47.6	23.5	70.6
254	9.0	7.8	11.8

Manual Integrations
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

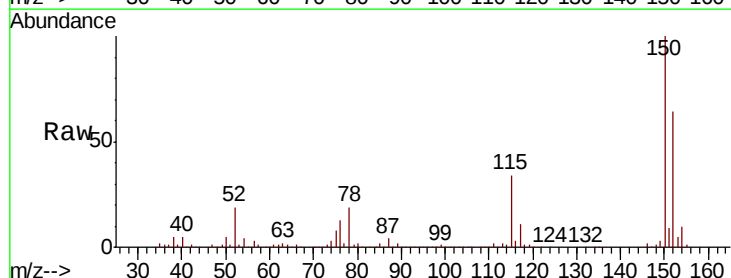
RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

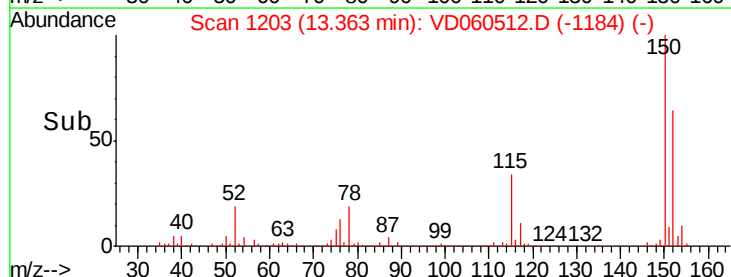
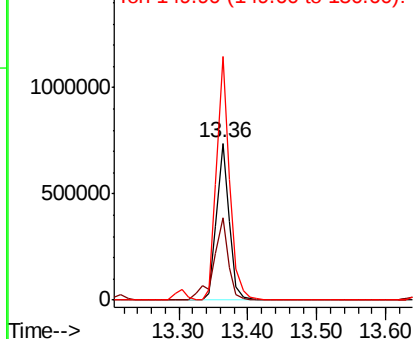
Lab File: VD060512.D

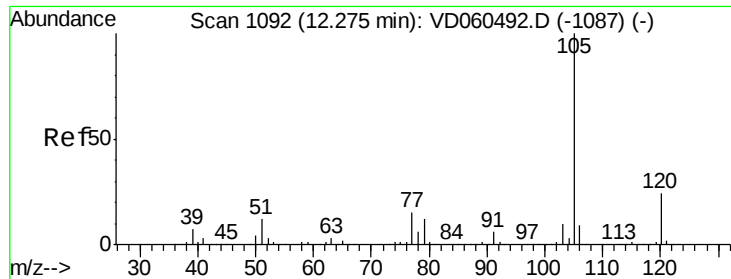
Acq: 7 Dec 2018 12:25

Tgt Ion:	152	Resp:	934571
Ion Ratio	Lower	Upper	
152	100		
115	52.4	24.6	74.0
150	155.1	0.0	309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.577 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 105 Resp: 1360827

Ion Ratio Lower Upper

105 100

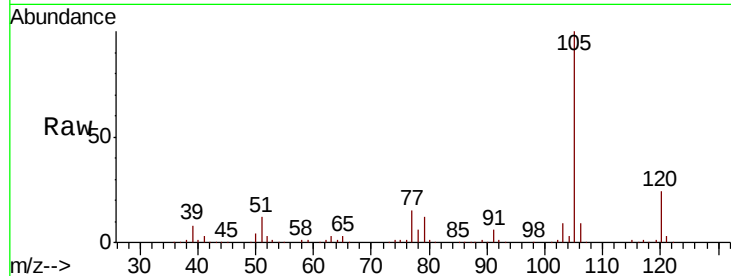
120 23.6 11.9 35.9

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

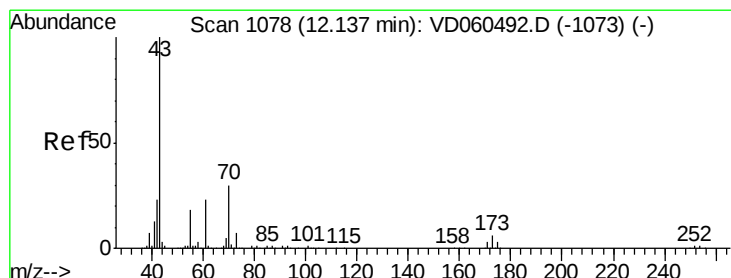
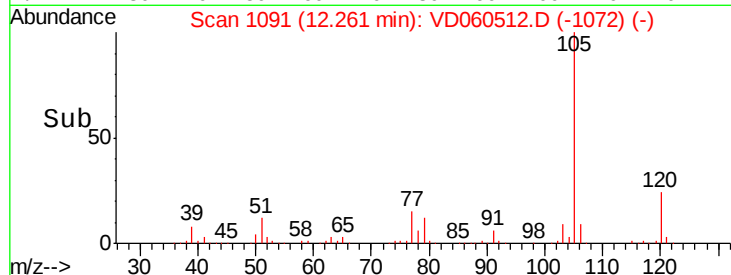
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.542 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion: 43 Resp: 312340

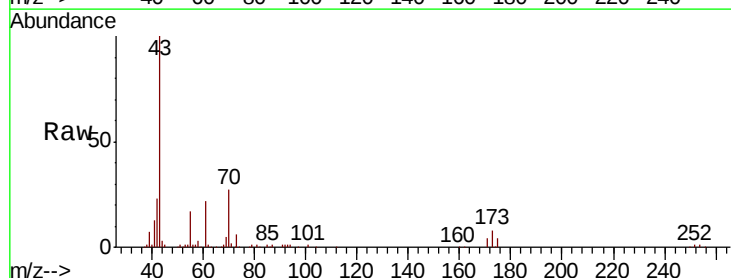
Ion Ratio Lower Upper

43 100

70 27.0 23.8 35.8

55 17.3 14.2 21.2

61 22.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

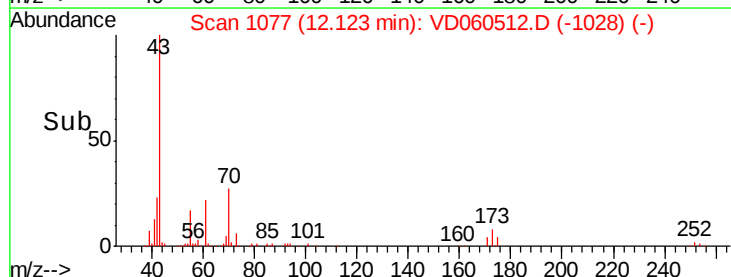
200000

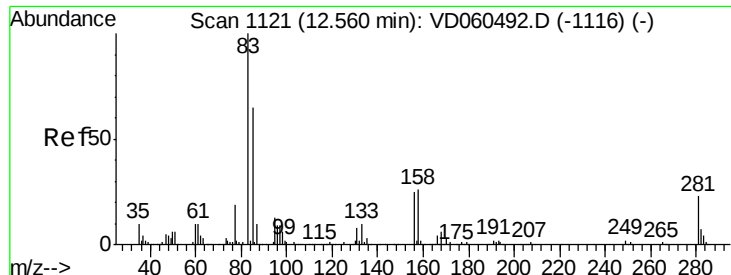
100000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.761 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 83 Resp: 209215
Ion Ratio Lower Upper

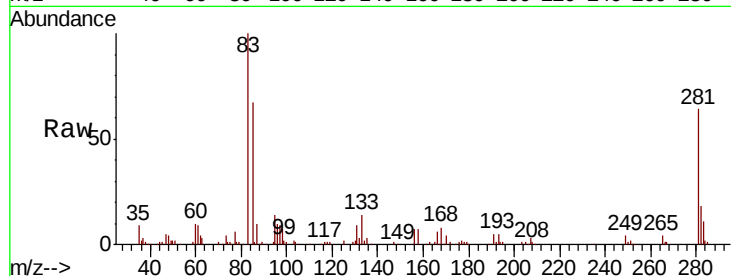
83 100

131 8.8 3.8 11.4

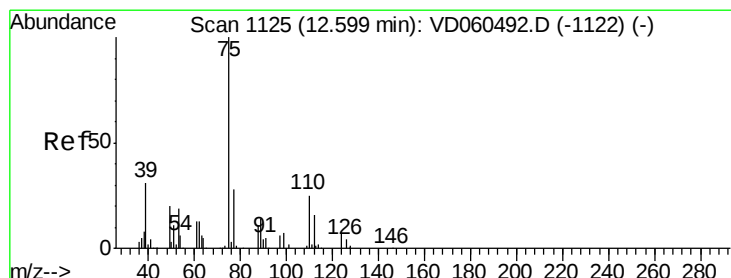
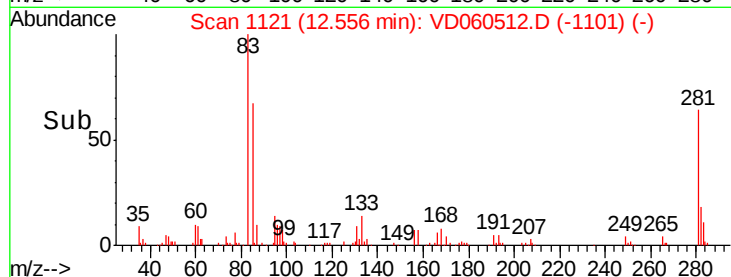
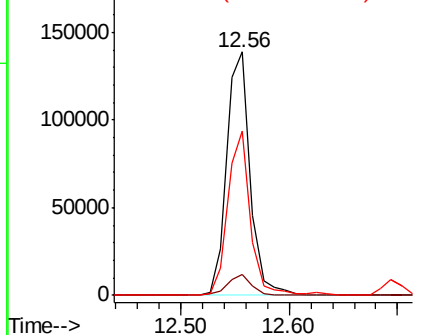
85 67.2 32.3 96.9

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.142 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

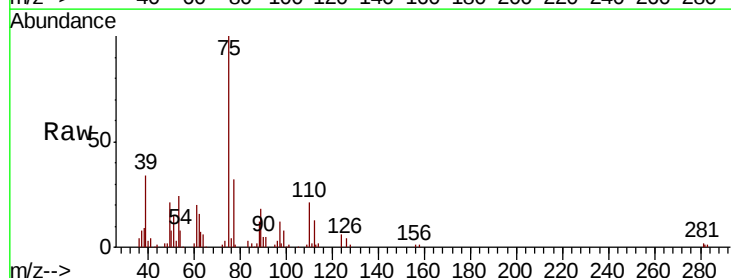
Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

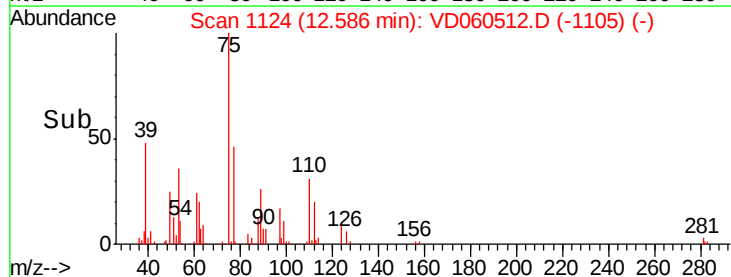
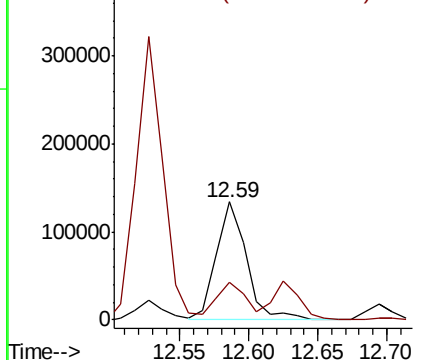
Tgt Ion: 75 Resp: 202696
Ion Ratio Lower Upper

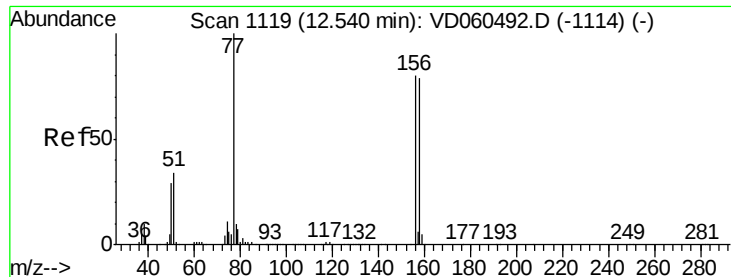
75 100

77 31.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





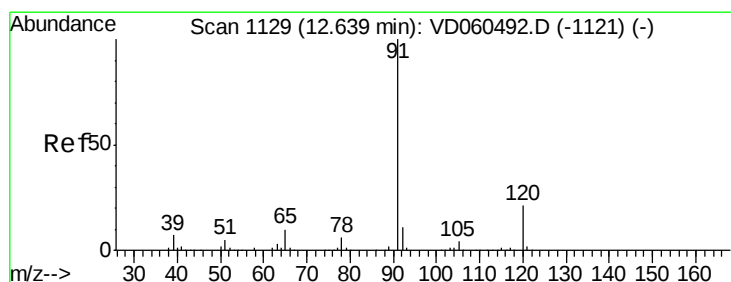
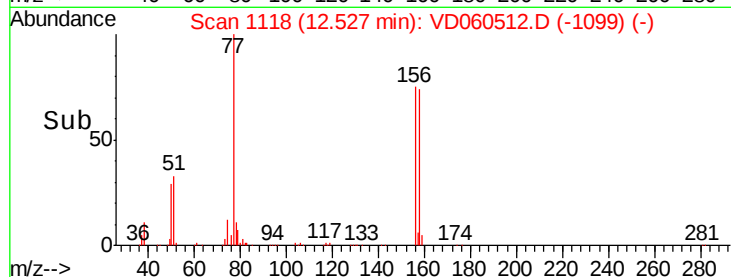
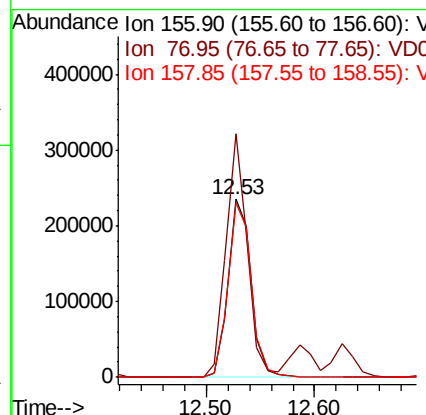
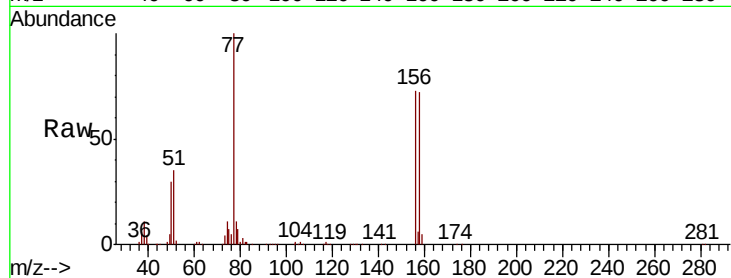
#77
Bromobenzene
Concen: 19.833 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.6	62.5	187.6
158	98.0	49.4	148.2

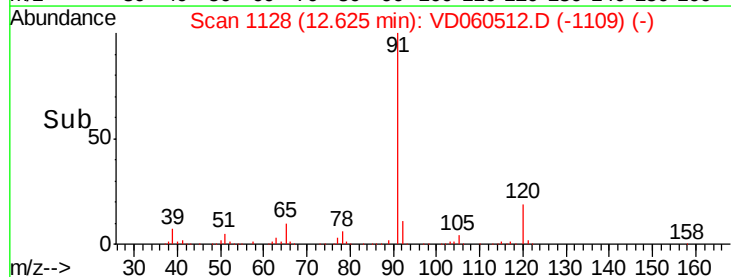
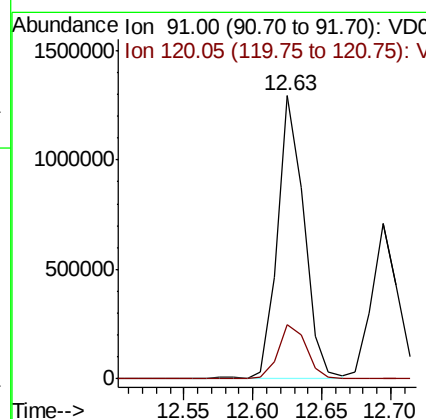
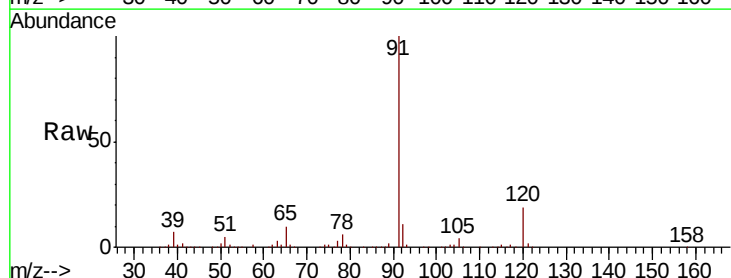
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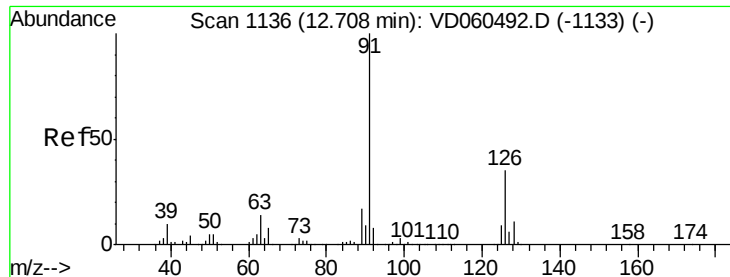
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12/10/2018 4:46:35 PM



#78
n-propylbenzene
Concen: 20.580 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.1	10.4	31.1





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 91 Resp: 942012

Ion Ratio Lower Upper

91 100

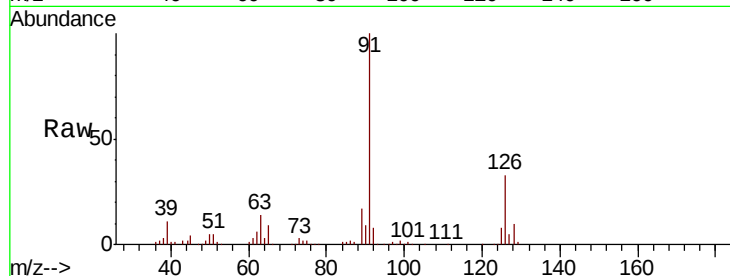
126 32.9 17.3 52.0

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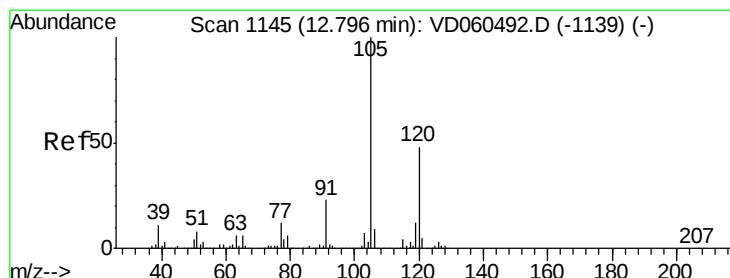
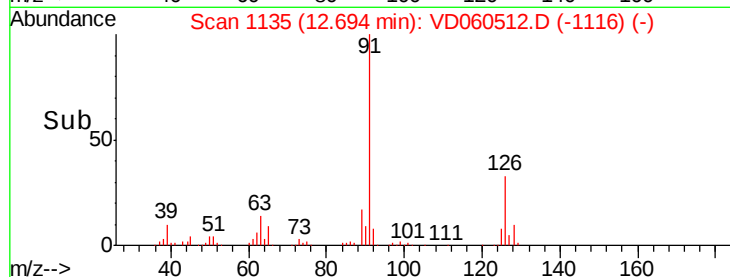
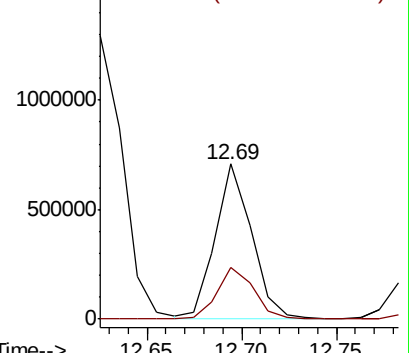
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.677 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060512.D

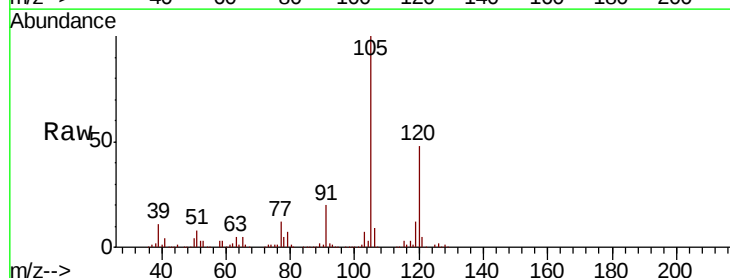
Acq: 7 Dec 2018 12:25

Tgt Ion:105 Resp: 1095412

Ion Ratio Lower Upper

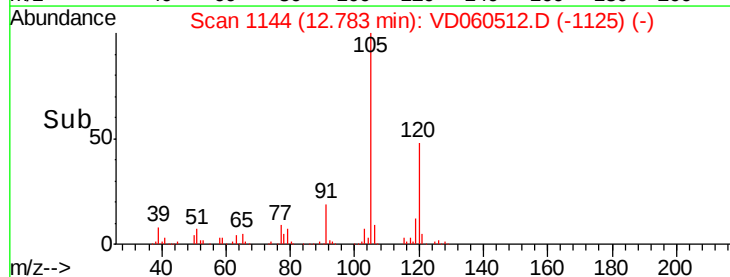
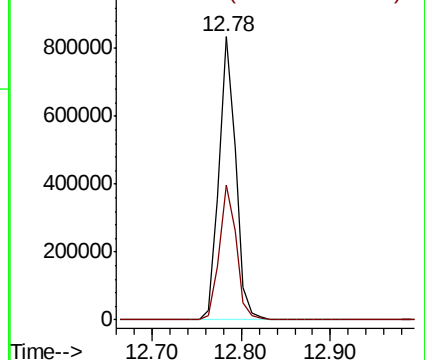
105 100

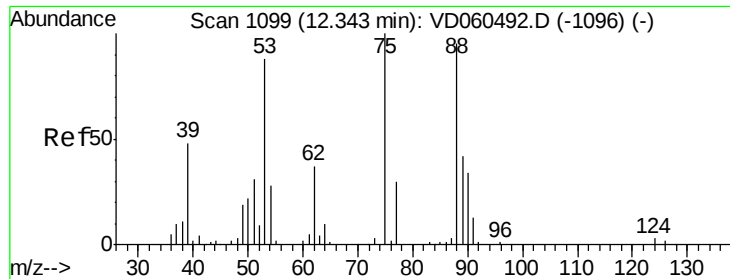
120 47.5 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.088 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion: 75 Resp: 56375

Ion Ratio Lower Upper

75 100

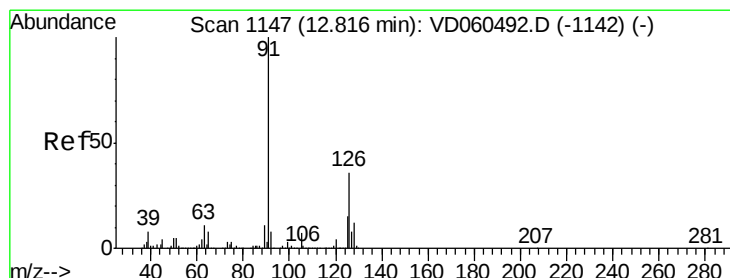
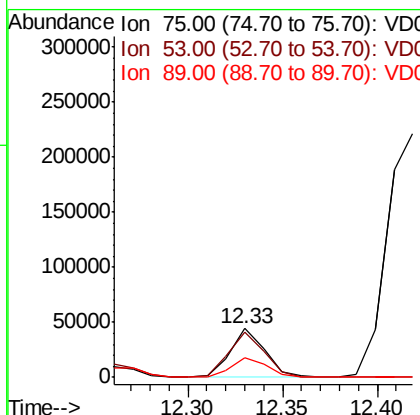
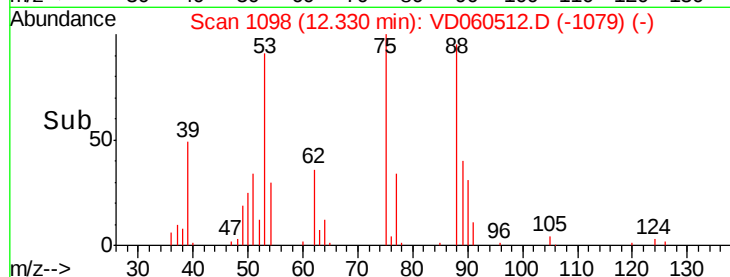
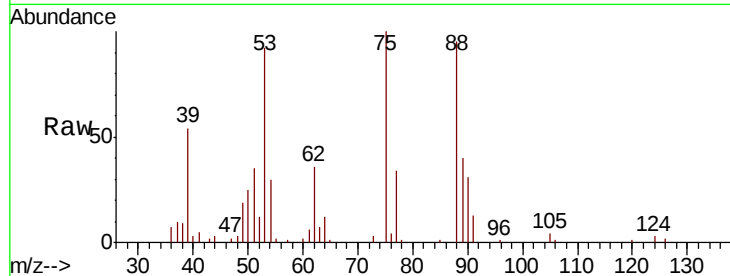
53 92.3 70.5 105.7

89 40.4 33.6 50.4

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#82

4-Chlorotoluene

Concen: 21.374 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060512.D

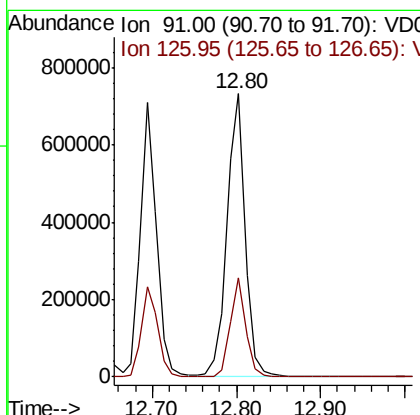
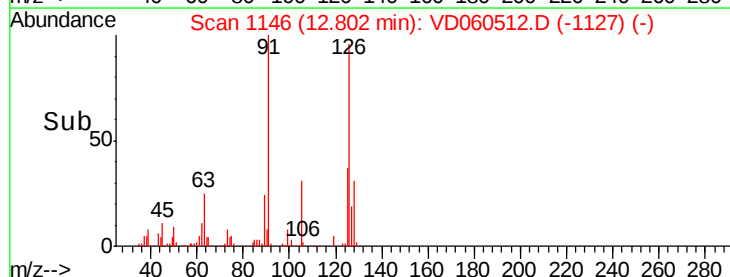
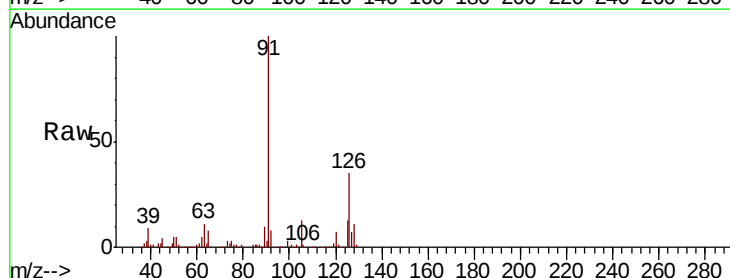
Acq: 7 Dec 2018 12:25

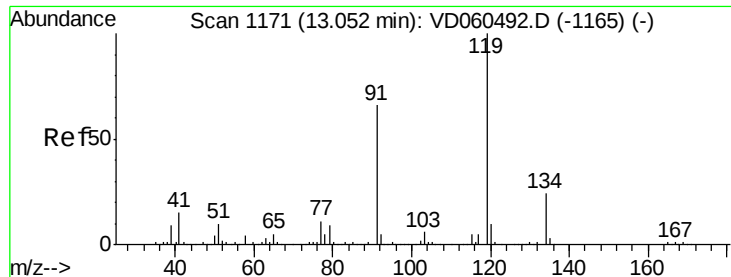
Tgt Ion: 91 Resp: 1089025

Ion Ratio Lower Upper

91 100

126 34.8 17.8 53.4





#83

tert-Butylbenzene

Concen: 21.273 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

Tot Ion:119 Resp: 1205336

Ion Ratio Lower Upper

119 100

91 69.8 33.1 99.2

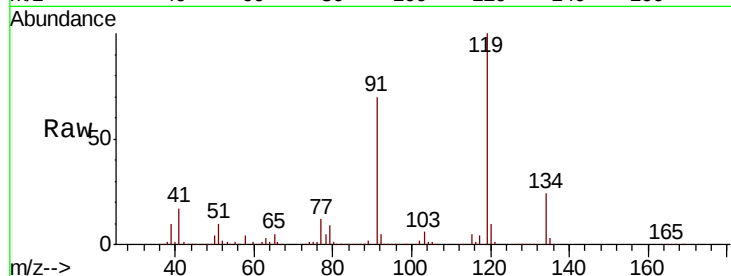
134 23.7 12.0 36.0

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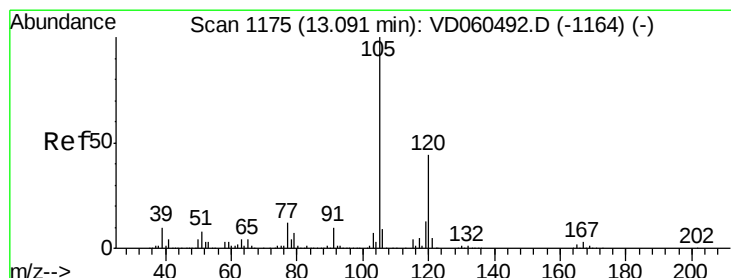
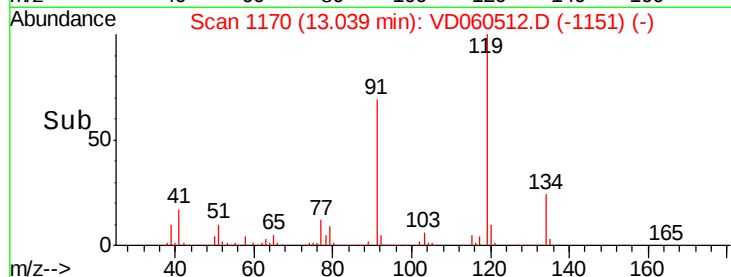
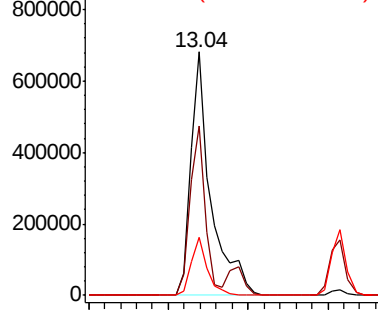
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.139 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion:105 Resp: 1106122

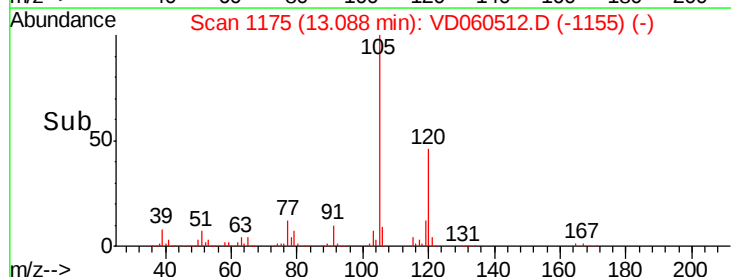
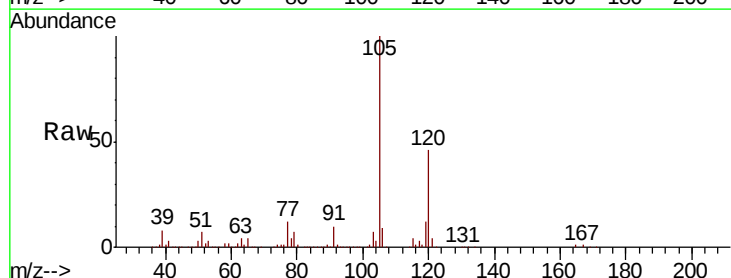
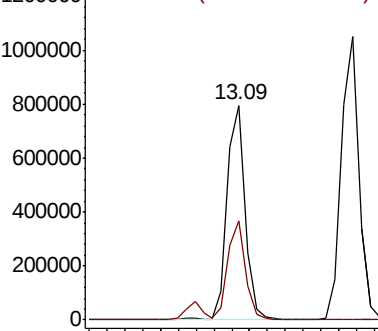
Ion Ratio Lower Upper

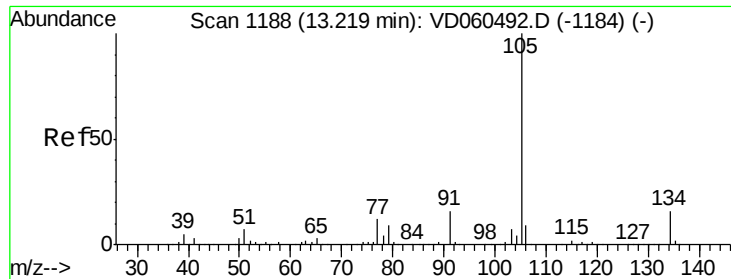
105 100

120 45.9 22.3 66.8

Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





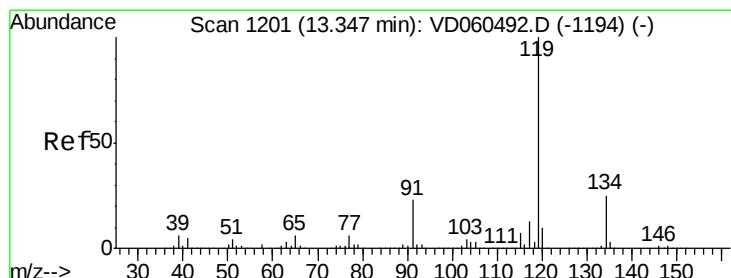
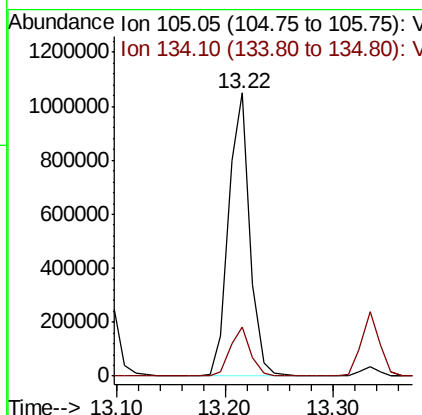
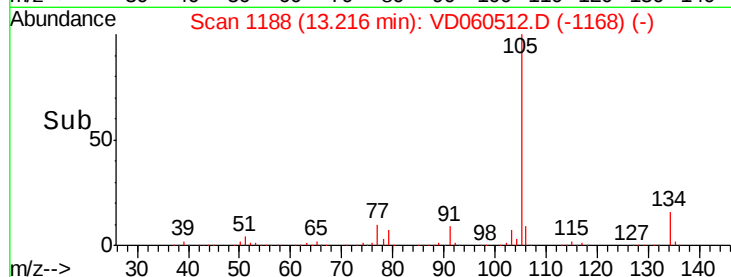
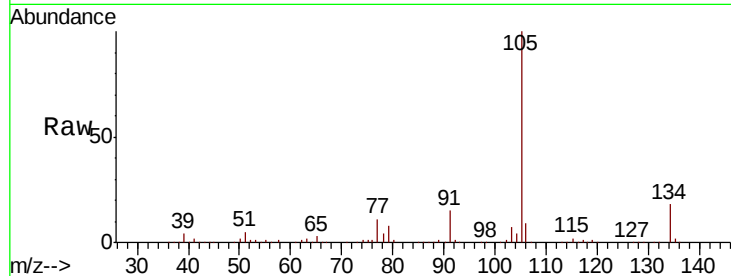
#85
 sec-Butylbenzene
 Concen: 20.110 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:105 Resp: 1420151
 Ion Ratio Lower Upper
 105 100
 134 17.5 7.9 23.7

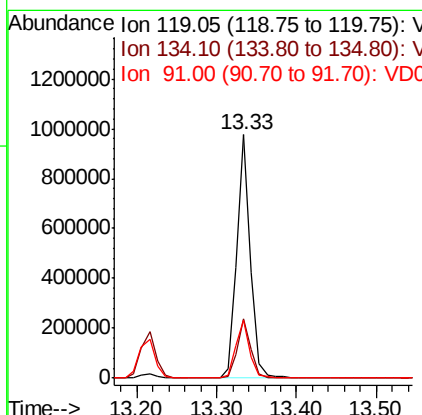
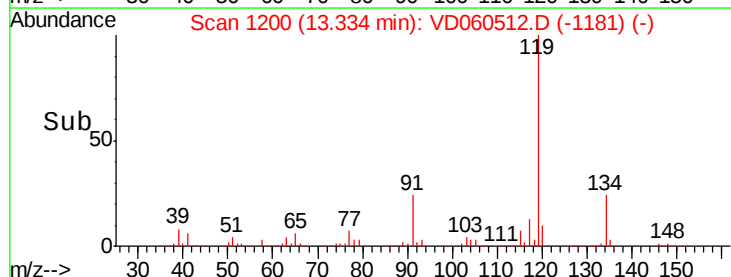
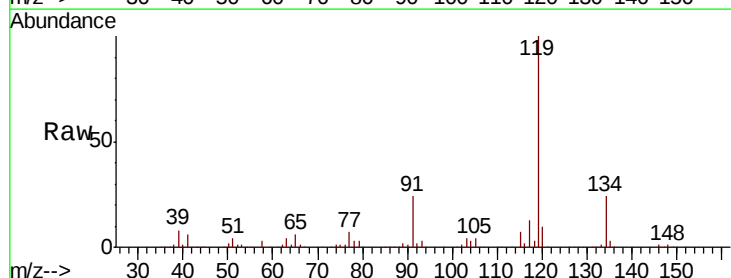
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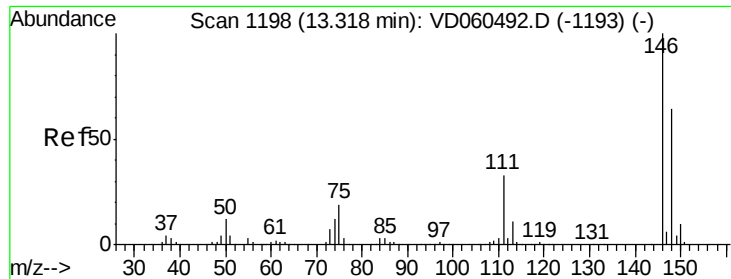
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#86
 p-Isopropyltoluene
 Concen: 20.802 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion:119 Resp: 1164532
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 23.7 11.5 34.4





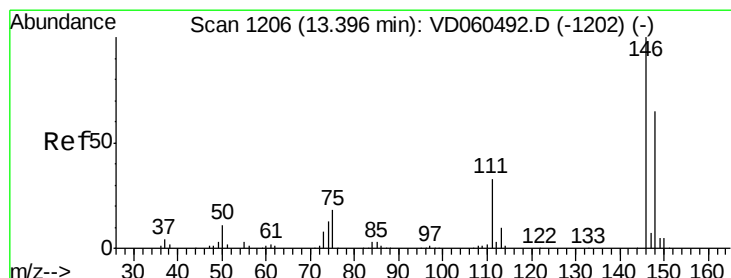
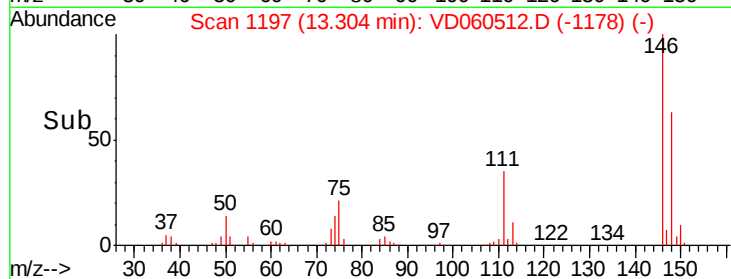
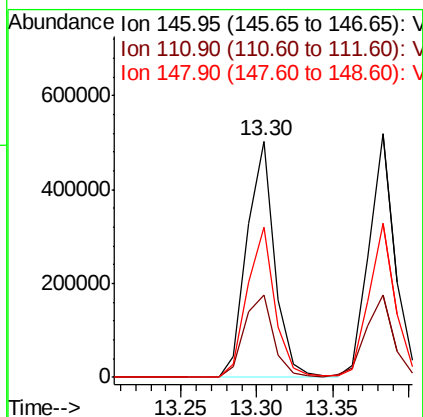
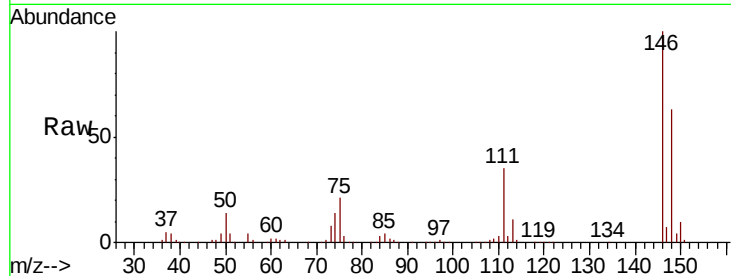
#87
 1,3-Dichlorobenzene
 Concen: 20.327 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	16.5	49.5
148	63.4	32.3	96.8

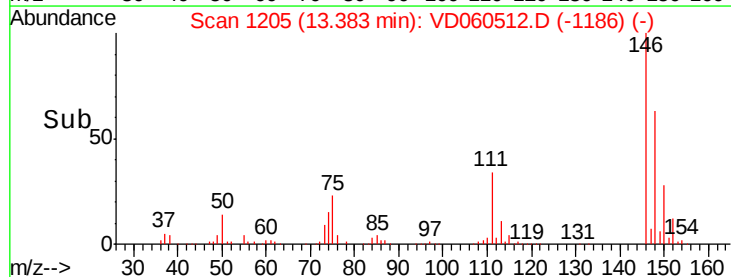
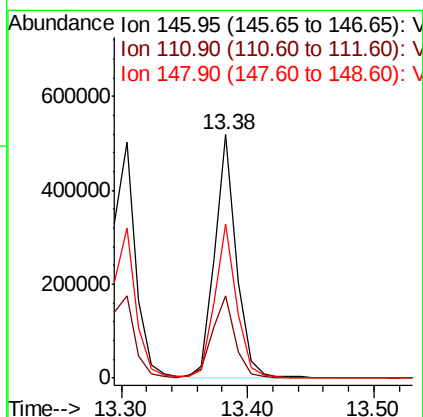
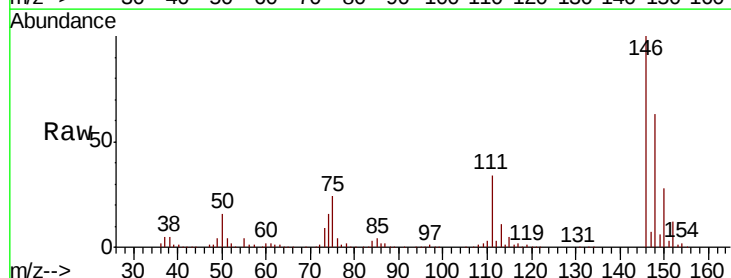
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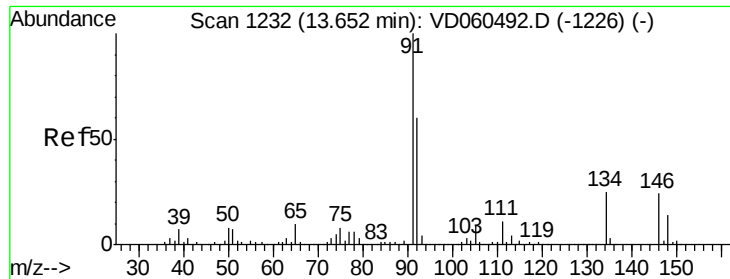
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#88
 1,4-Dichlorobenzene
 Concen: 20.091 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	16.4	49.1
148	63.4	32.6	98.0





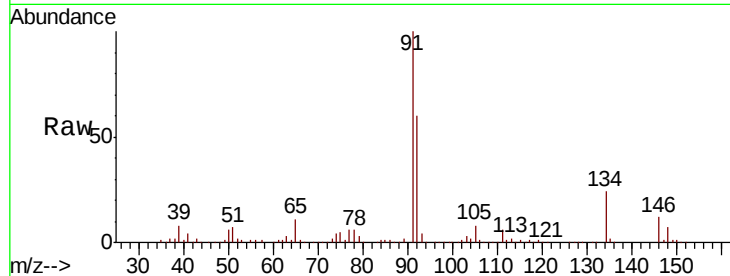
#89
n-Butylbenzene
Concen: 20.217 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

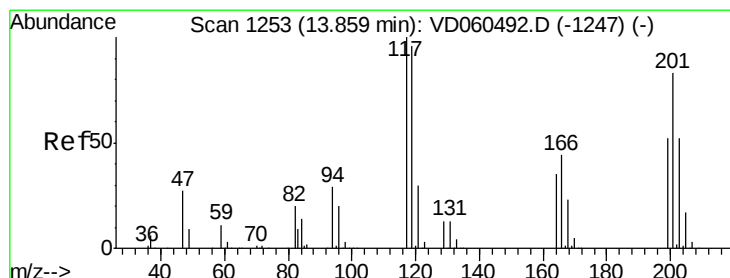
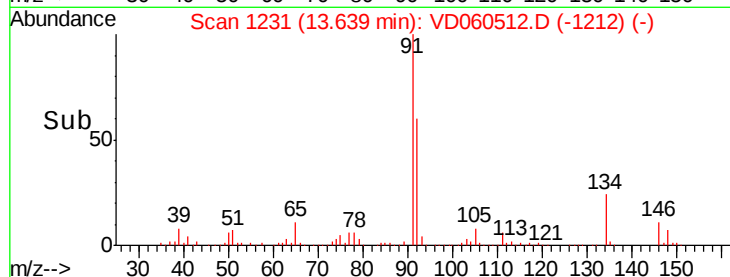
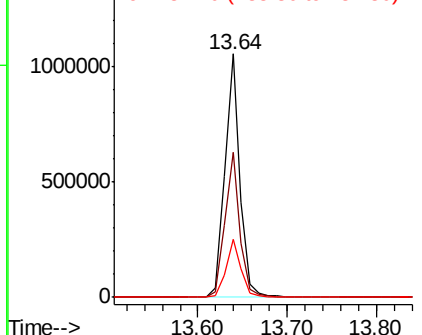
Tot Ion: 91 Resp: 1259427
Ion Ratio Lower Upper
91 100
92 59.8 30.0 90.1
134 23.9 12.5 37.5

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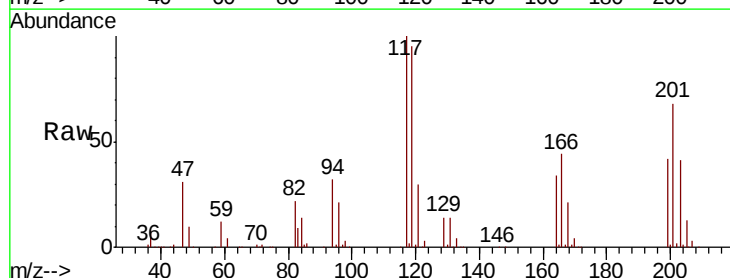


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

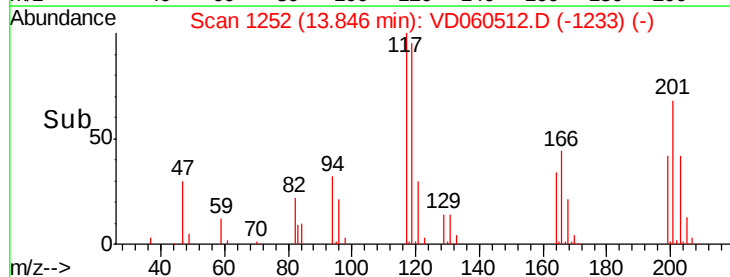
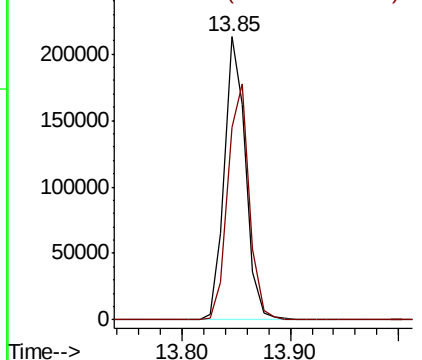


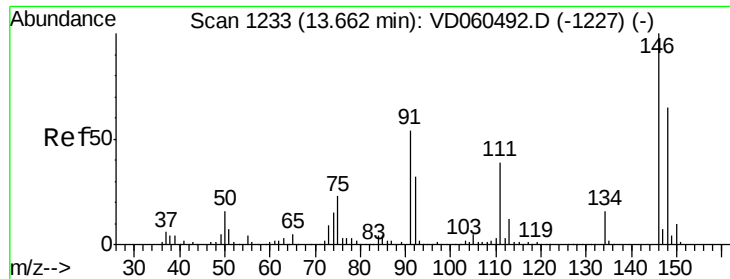
#90
Hexachloroethane
Concen: 20.583 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion: 117 Resp: 288901
Ion Ratio Lower Upper
117 100
201 67.8 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





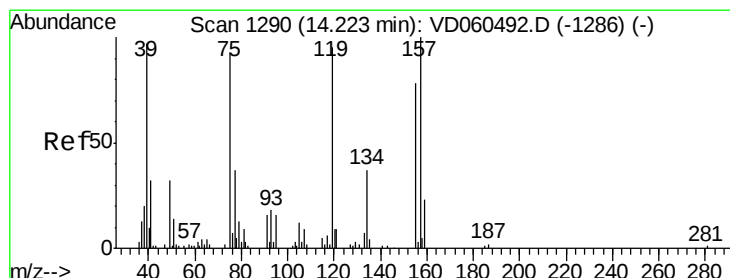
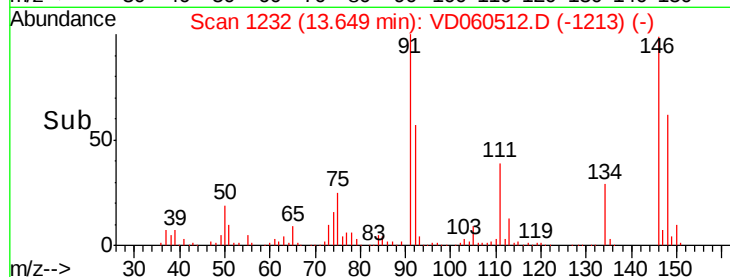
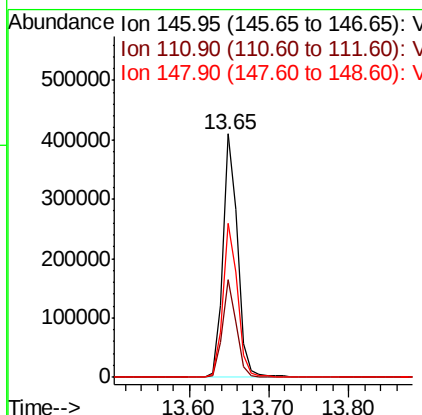
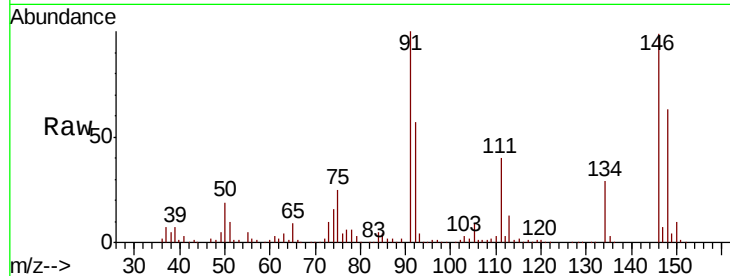
#91
 1,2-Dichlorobenzene
 Concen: 20.671 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.8
148	63.1	32.3	96.8

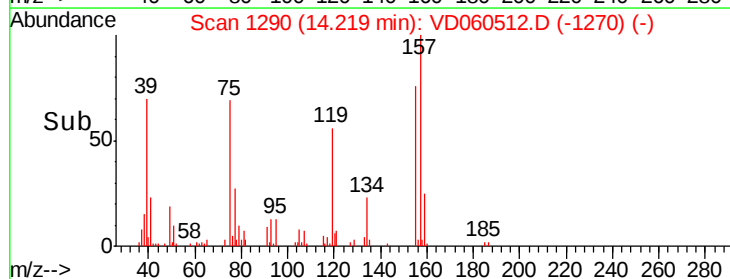
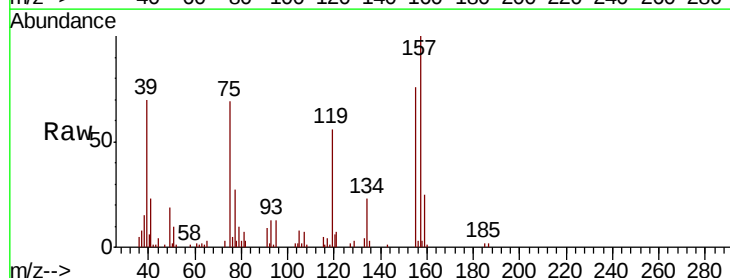
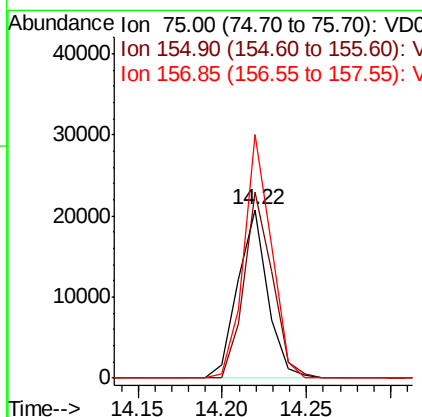
Manual Integrations
 APPROVED

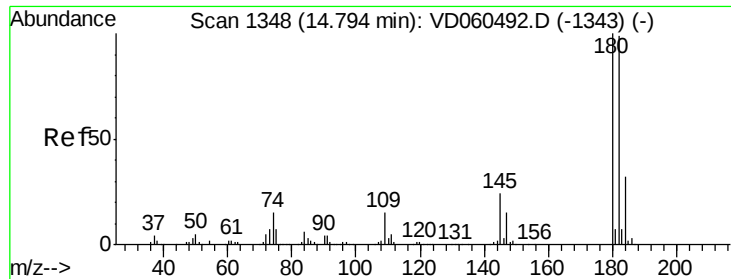
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.028 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060512.D
 Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.0	41.6	124.9
157	144.3	53.6	160.8





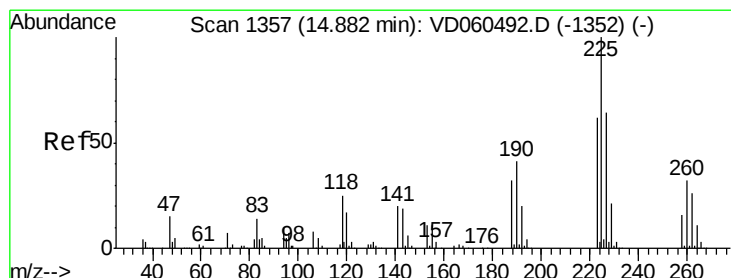
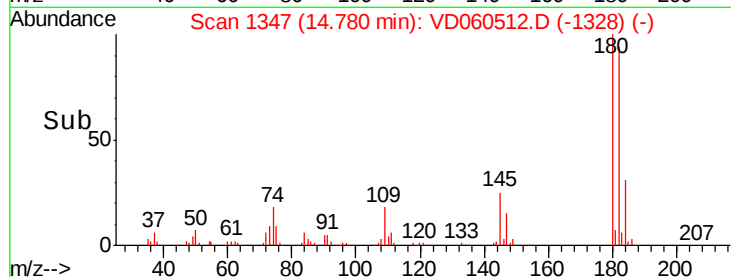
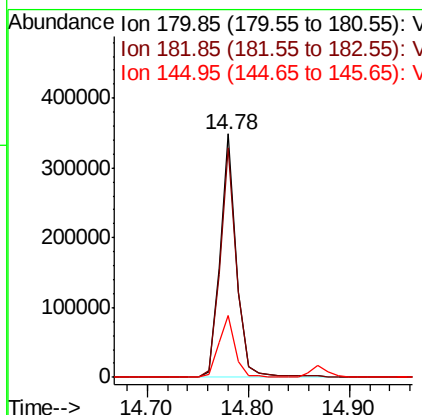
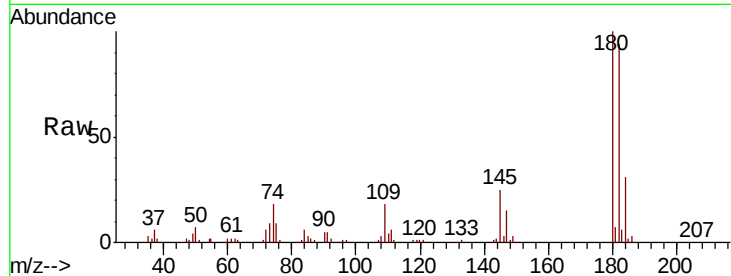
#93
1,2,4-Trichlorobenzene
Concen: 19.861 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399362		
182	94.4	49.4	148.0	
145	25.2	11.9	35.9	

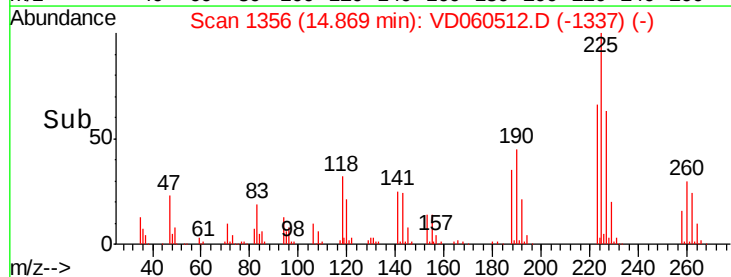
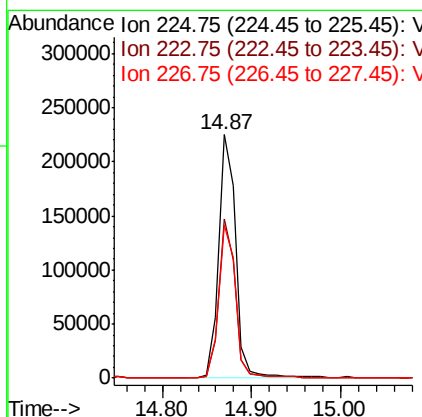
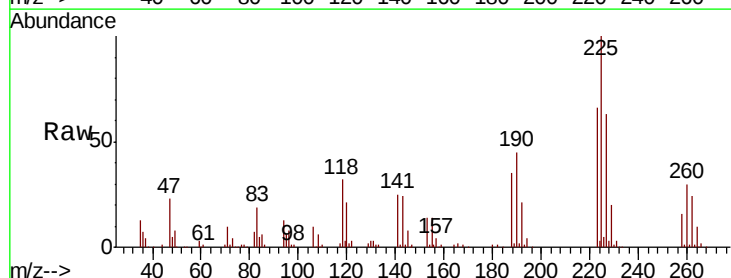
Manual Integrations
APPROVED

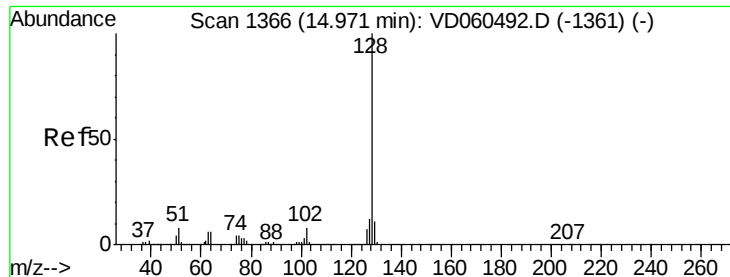
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#94
Hexachlorobutadiene
Concen: 20.480 ug/l
RT: 14.87 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VD060512.D
Acq: 7 Dec 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	303833		
223	65.5	31.2	93.6	
227	62.6	32.0	96.0	





#95

Naphthalene

Concen: 19.836 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Instrument :

MSVOA_D

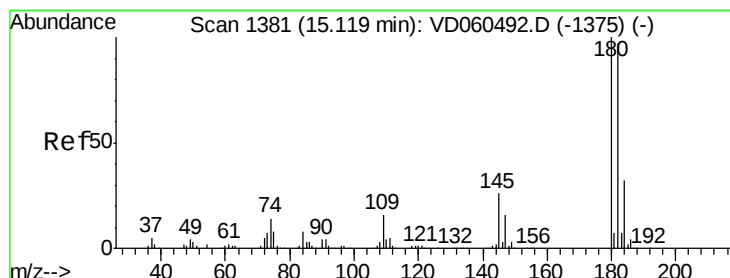
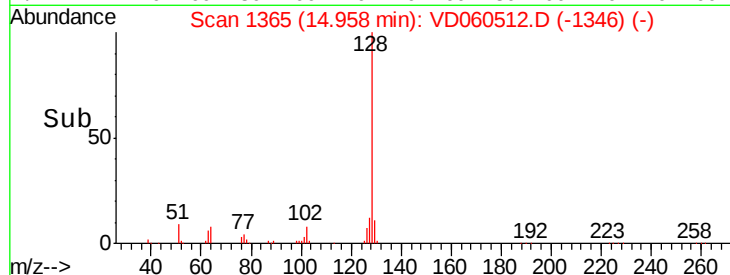
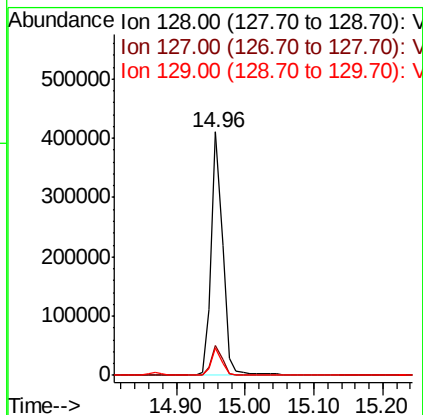
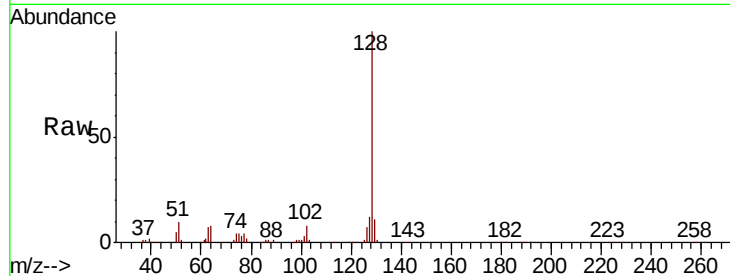
ClientSampleId :

VD1207SBS01

Tot Ion:	128	Resp:	474505
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.8
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.933 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060512.D

Acq: 7 Dec 2018 12:25

Tgt Ion:	180	Resp:	319364
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.5	145.5
145	28.1	12.9	38.7

