

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060619.D
 Acq On : 18 Dec 2018 14:17
 Operator : VA/AP
 Sample : VD1218SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:12:09 PM

Quant Time: Dec 19 02:59:50 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	6.41	168	1437445	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	1948150	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1584981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	815323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	549923	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	6.33	113	776513	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
50) Toluene-d8	9.46	98	2202400	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.42	95	791592	53.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	368018	23.406	ug/l	97
3) Chloromethane	1.77	50	323284	21.889	ug/l	96
4) Vinyl Chloride	1.86	62	266160	22.581	ug/l	97
5) Bromomethane	2.15	94	39628	13.439	ug/l	89
6) Chloroethane	2.26	64	66736	16.409	ug/l	97
7) Trichlorofluoromethane	2.52	101	287120	21.096	ug/l	98
8) Diethyl Ether	2.83	74	53579	22.792	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	194674	22.045	ug/l	99
10) Methyl Iodide	3.26	142	209985	20.343	ug/l	99
11) Tert butyl alcohol	3.98	59	40791	98.545	ug/l	97
12) 1,1-Dichloroethene	3.08	96	159400	22.186	ug/l	94
13) Acrolein	2.99	56	40047	88.542	ug/l	89
14) Allyl chloride	3.54	41	285003	20.907	ug/l	96
15) Acrylonitrile	4.09	53	278025	118.292	ug/l	92
16) Acetone	3.17	43	183990	112.660	ug/l	100
17) Carbon Disulfide	3.33	76	481416	20.628	ug/l	98
18) Methyl Acetate	3.56	43	85688	22.077	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	454815	22.827	ug/l	99
20) Methylene Chloride	3.73	84	342178	20.148	ug/l	94
21) trans-1,2-Dichloroethene	4.10	96	328357	21.010	ug/l	99
22) Diisopropyl ether	4.86	45	1053361	21.522	ug/l	96
23) Vinyl Acetate	4.80	43	2680788	110.551	ug/l	99
24) 1,1-Dichloroethane	4.76	63	531544	20.905	ug/l	99
25) 2-Butanone	5.62	43	371136	115.509	ug/l	96
26) 2,2-Dichloropropane	5.59	77	427797	21.780	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	344603	21.686	ug/l	100
28) Bromochloromethane	5.92	49	233980	20.773	ug/l	88
29) Tetrahydrofuran	5.95	42	211979	116.505	ug/l	99
30) Chloroform	6.10	83	548568	21.415	ug/l	99
31) Cyclohexane	6.37	56	502551	20.883	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	436584	20.732	ug/l	98
36) 1,1-Dichloropropene	6.52	75	423765	22.253	ug/l	98
37) Ethyl Acetate	5.70	43	194596	23.563	ug/l	99
38) Carbon Tetrachloride	6.50	117	372170	21.770	ug/l	98

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Dec 19 02:59:50 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)
39) Methylcyclohexane	8.04	83	474645	21.865	ug/l	100
40) Benzene	6.79	78	1073683	22.062	ug/l	100
41) Methacrylonitrile	5.92	41	104273m	23.422	ug/l	
42) 1,2-Dichloroethane	6.90	62	273931	22.138	ug/l	98
43) Isopropyl Acetate	8.34	43	237745	23.321	ug/l #	98
44) Trichloroethene	7.74	130	324390	22.303	ug/l	91
45) 1,2-Dichloropropane	8.10	63	273743	22.742	ug/l	100
46) Dibromomethane	8.22	93	157359	22.627	ug/l	97
47) Bromodichloromethane	8.49	83	373695	22.647	ug/l	98
48) Methyl methacrylate	8.25	41	140054	23.218	ug/l	98
49) 1,4-Dioxane	8.23	88	25509	466.594	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	746519	117.720	ug/l	99
52) Toluene	9.55	92	681143	22.392	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	317593	23.423	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	398717	22.382	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	189247	22.341	ug/l	96
56) Ethyl methacrylate	10.03	69	177109	23.102	ug/l	97
57) 1,3-Dichloropropane	10.38	76	298244	22.776	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	556637	121.347	ug/l	99
59) 2-Hexanone	10.49	43	531449	119.897	ug/l	99
60) Dibromochloromethane	10.64	129	248382	23.452	ug/l	97
61) 1,2-Dibromoethane	10.76	107	197494	22.877	ug/l	93
64) Tetrachloroethene	10.25	164	295817	21.077	ug/l	99
65) Chlorobenzene	11.31	112	736280	21.958	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	248614	23.004	ug/l	96
67) Ethyl Benzene	11.43	91	1234477	21.584	ug/l	97
68) m/p-Xylenes	11.56	106	940724	44.459	ug/l	96
69) o-Xylene	11.94	106	443169	21.977	ug/l	96
70) Styrene	11.96	104	729574	22.541	ug/l	98
71) Bromoform	12.11	173	166194	23.049	ug/l	99
73) Isopropylbenzene	12.27	105	1248477	21.639	ug/l	100
74) N-amyl acetate	12.13	43	315860	22.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	209481	22.680	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	210016	22.734	ug/l	99
77) Bromobenzene	12.54	156	332305	21.912	ug/l	97
78) n-propylbenzene	12.64	91	1576323	21.614	ug/l	100
79) 2-Chlorotoluene	12.70	91	868619	21.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	975427	22.126	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	57036	22.137	ug/l	97
82) 4-Chlorotoluene	12.80	91	973849	21.909	ug/l	87
83) tert-Butylbenzene	13.05	119	1081656	21.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	998441	21.872	ug/l	99
85) sec-Butylbenzene	13.22	105	1339628	21.744	ug/l	99
86) p-Isopropyltoluene	13.34	119	1088304	22.284	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	601309	21.899	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	583534	21.663	ug/l	99
89) n-Butylbenzene	13.65	91	1126962	20.783	ug/l	99
90) Hexachloroethane	13.86	117	263168	21.492	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	516656	23.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25711	22.973	ug/l #	50

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBSD01

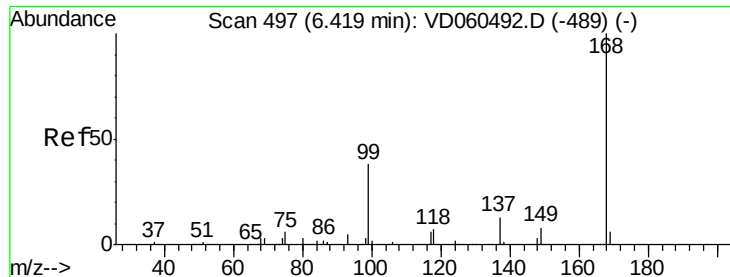
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	397573	22.664	ug/l	97
94) Hexachlorobutadiene	14.88	225	276361	21.353	ug/l	99
95) Naphthalene	14.97	128	476717	22.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	319242	22.840	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion:168 Resp: 1437445

Ion Ratio Lower Upper

168 100

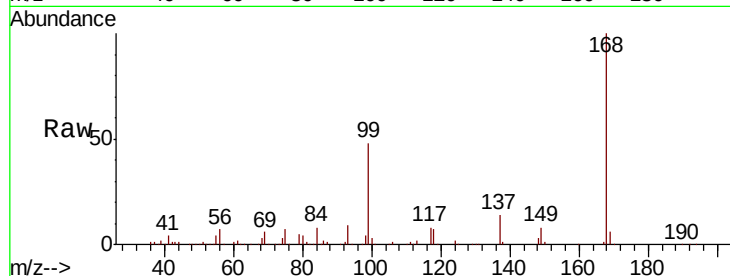
99 48.2 35.6 53.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

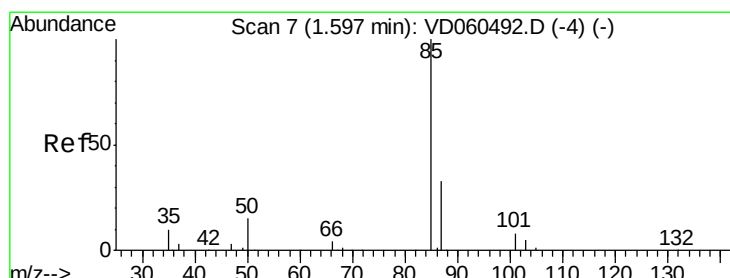
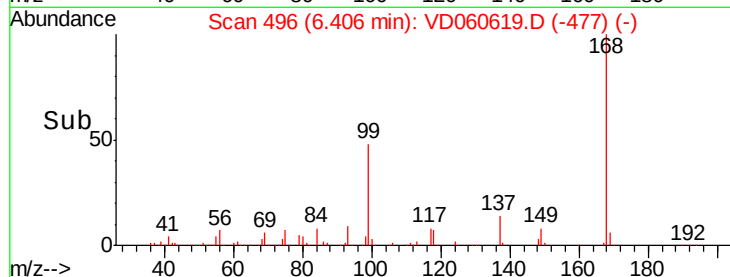
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 23.406 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060619.D

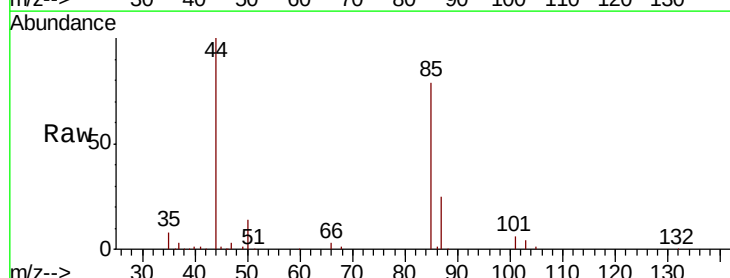
Acq: 18 Dec 2018 14:17

Tgt Ion: 85 Resp: 368018

Ion Ratio Lower Upper

85 100

87 31.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

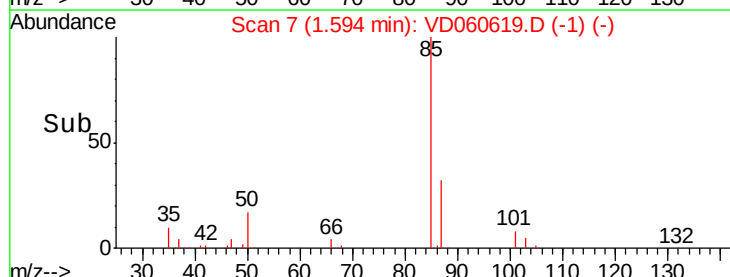
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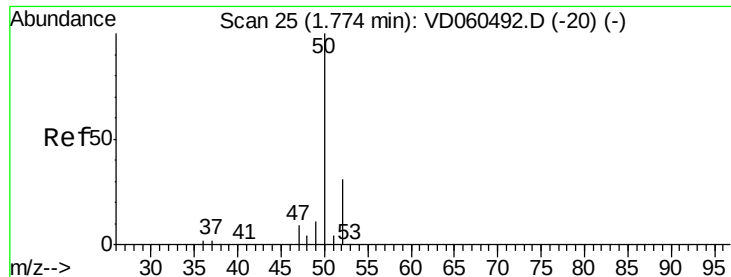
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.889 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 50 Resp: 323284

Ion Ratio Lower Upper

50 100

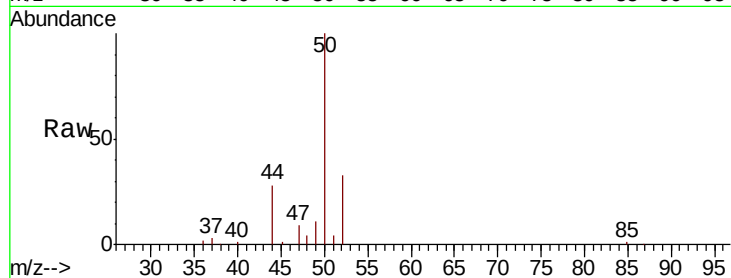
52 33.4 25.0 37.4

Manual Integrations

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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

120000

100000

80000

60000

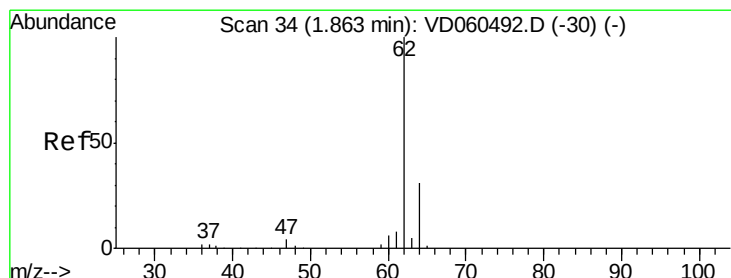
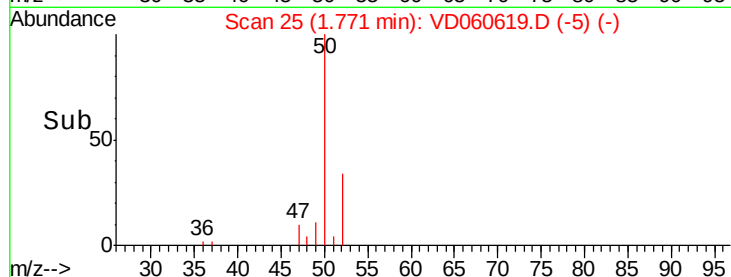
40000

20000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 22.581 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060619.D

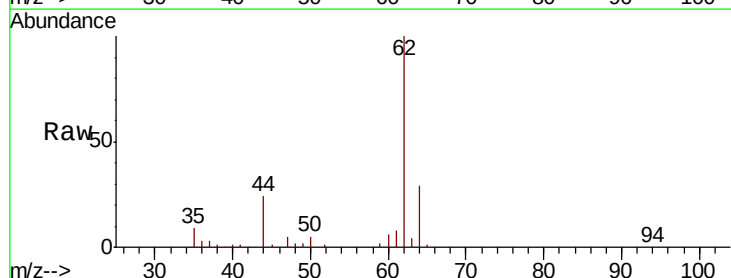
Acq: 18 Dec 2018 14:17

Tgt Ion: 62 Resp: 266160

Ion Ratio Lower Upper

62 100

64 29.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

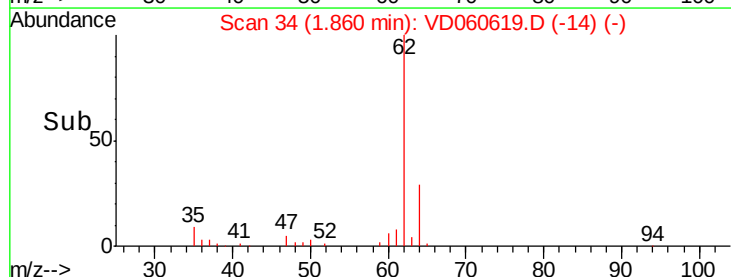
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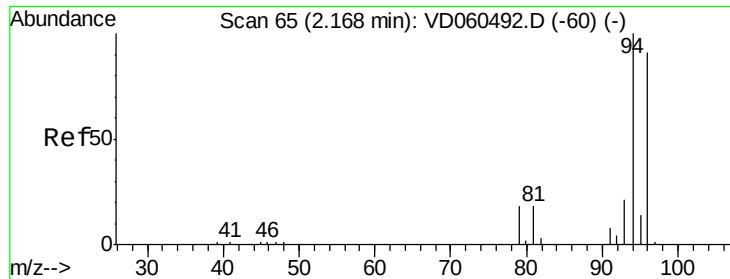
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 13.439 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 94 Resp: 39628

Ion Ratio Lower Upper

94 100

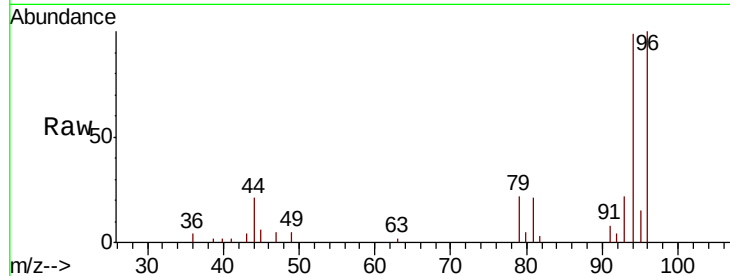
96 101.5 72.6 108.8

Manual Integrations

APPROVED

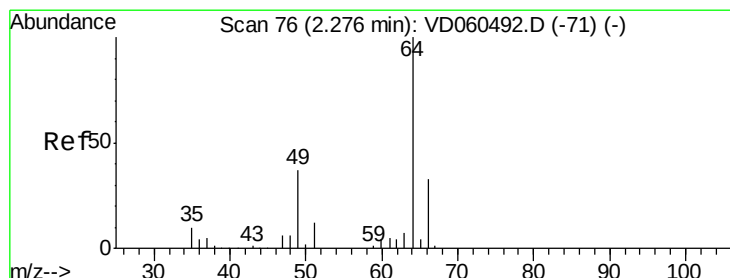
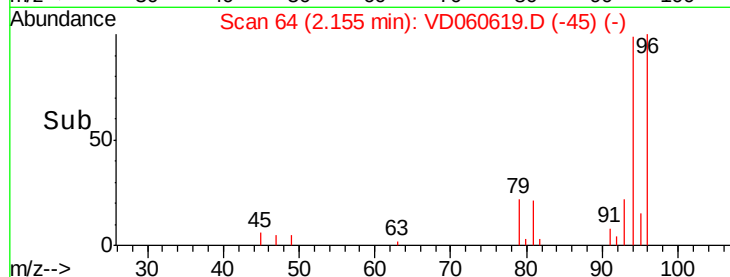
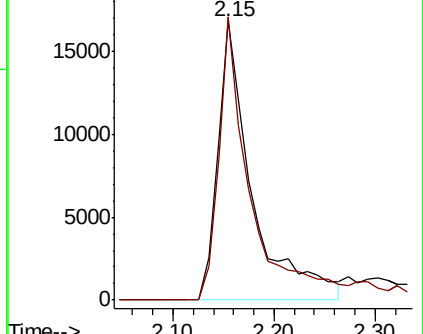
MMDadoda

12/19/2018 2:12:09 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.409 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060619.D

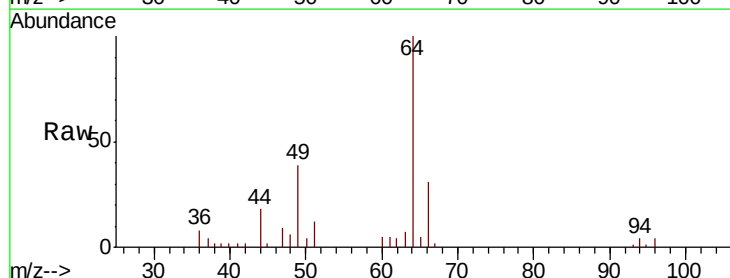
Acq: 18 Dec 2018 14:17

Tgt Ion: 64 Resp: 66736

Ion Ratio Lower Upper

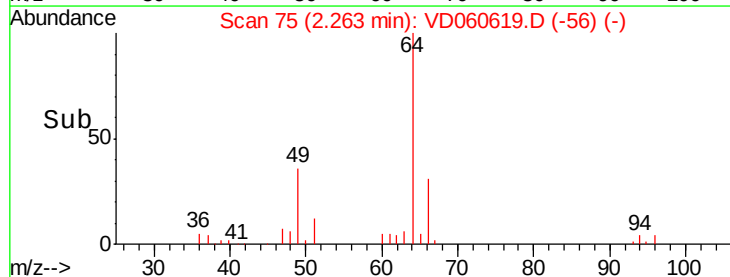
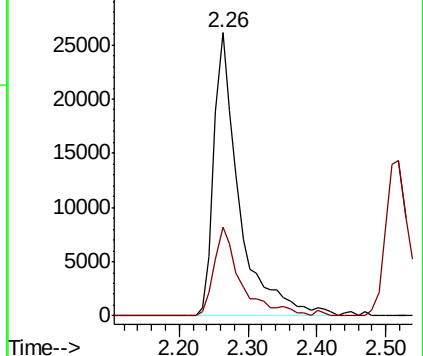
64 100

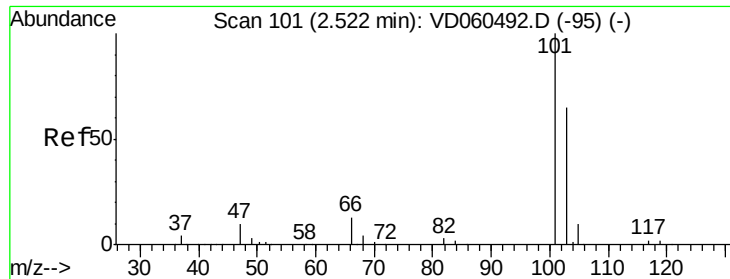
66 31.4 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

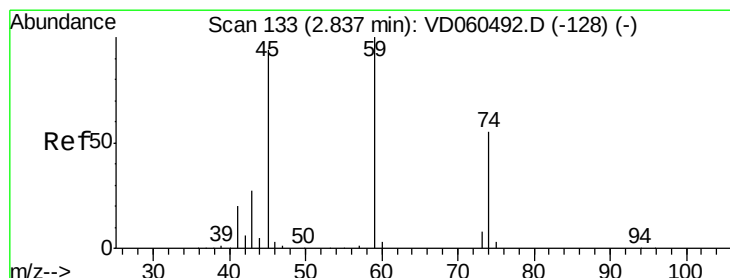
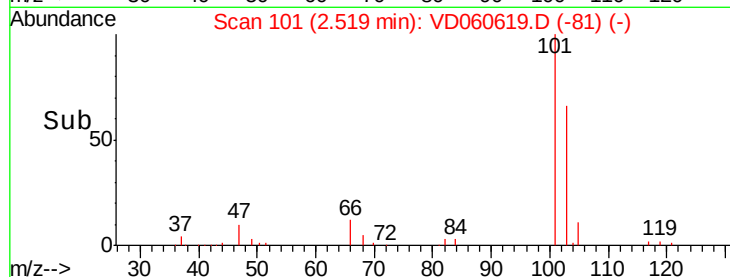
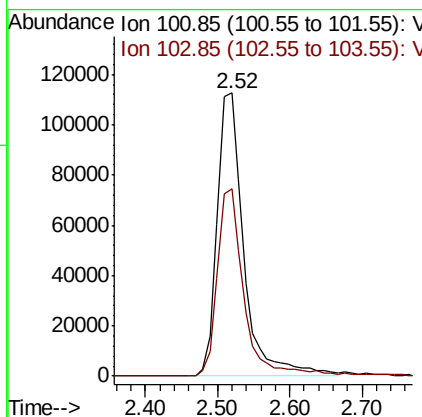
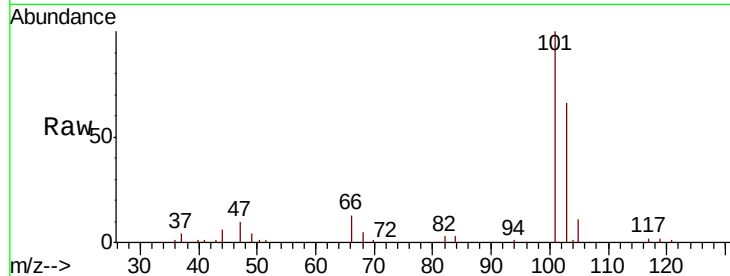
Trichlorofluoromethane
Concen: 21.096 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
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ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.8	77.8

Manual Integrations
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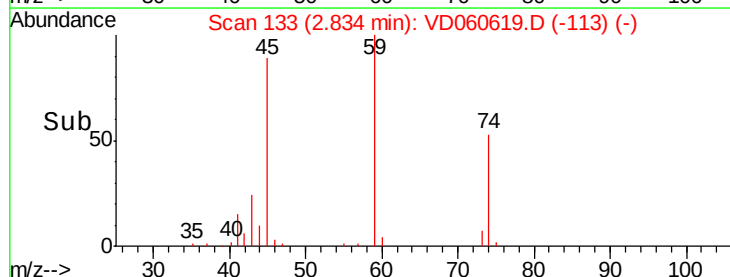
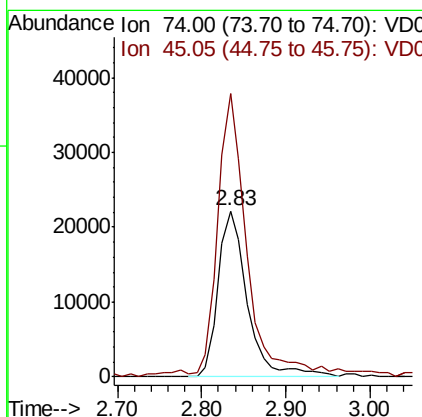
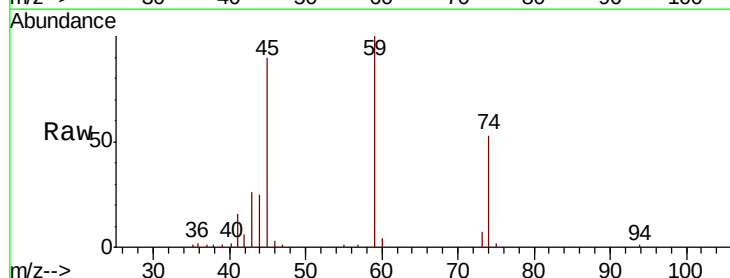
MMDadoda
12/19/2018 2:12:09 PM

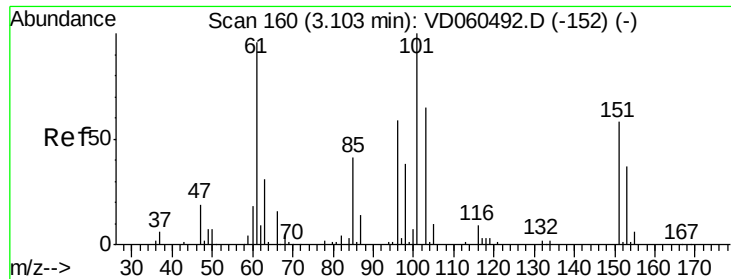


#8

Diethyl Ether
Concen: 22.792 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	170.8	86.0	258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.045 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

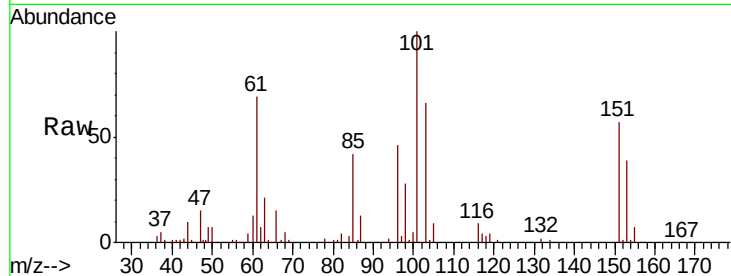
ClientSampleId :

VD1218SBS01

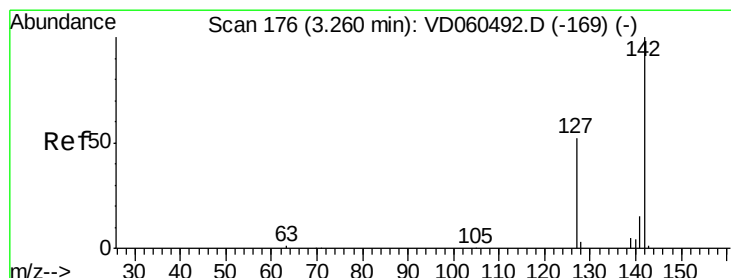
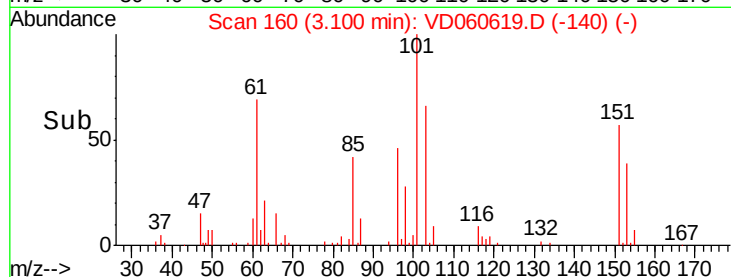
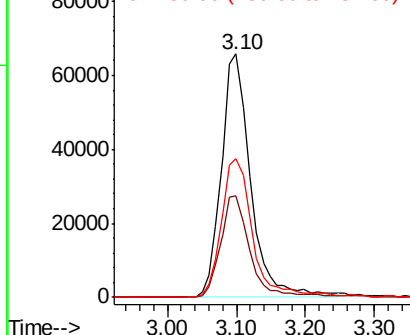
Tot Ion:	101	Resp:	194674
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.7	49.1
151	56.9	46.6	69.8

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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: 20.343 ug/l

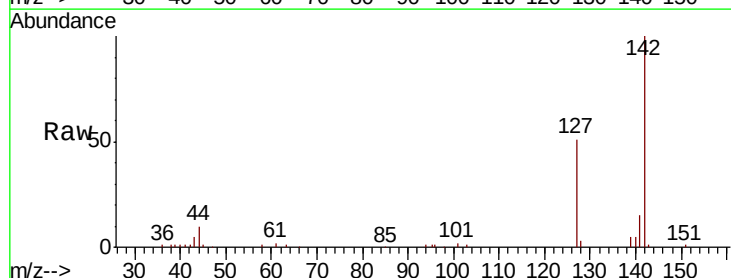
RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

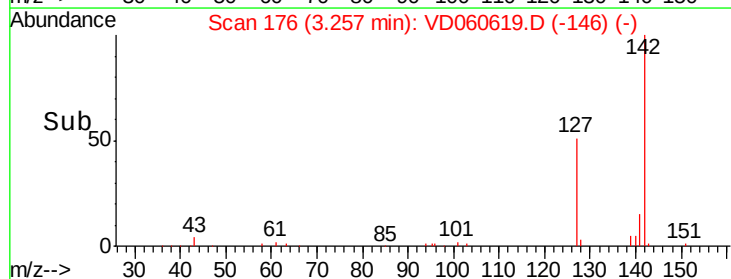
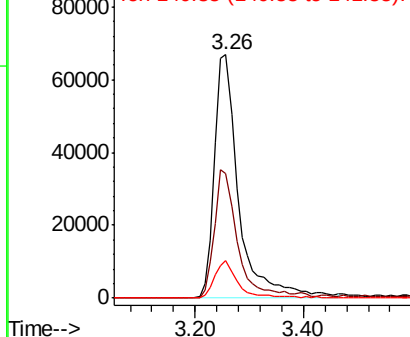
Lab File: VD060619.D

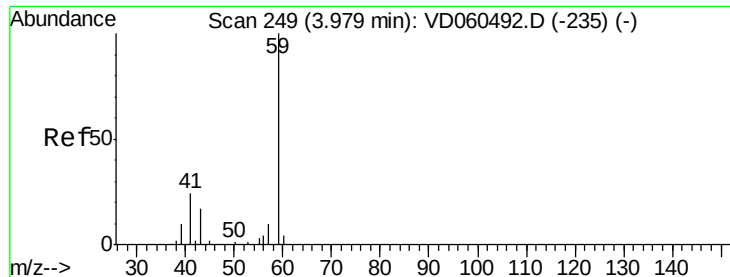
Acq: 18 Dec 2018 14:17

Tgt Ion:	142	Resp:	209985
Ion Ratio	Lower	Upper	
142	100		
127	51.1	41.2	61.8
141	15.2	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

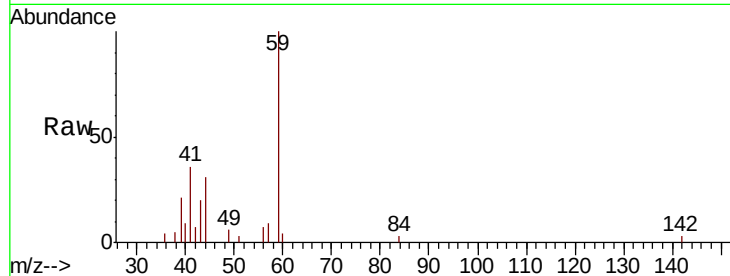
Tert butyl alcohol
Concen: 98.545 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

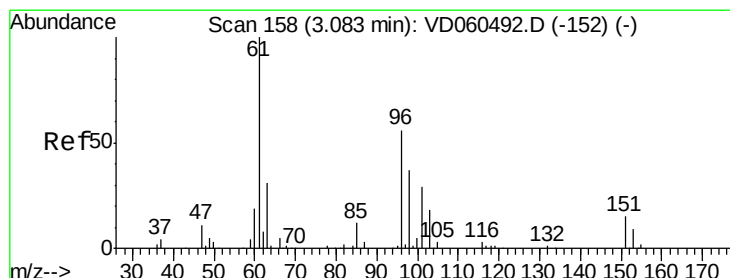
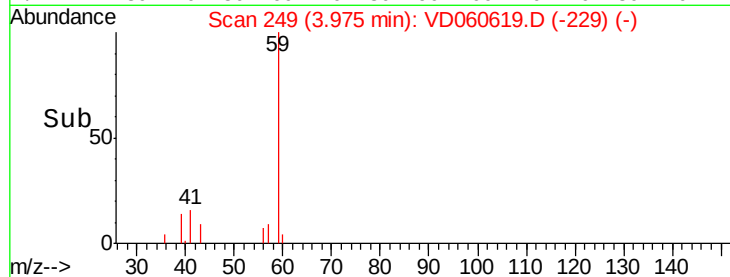
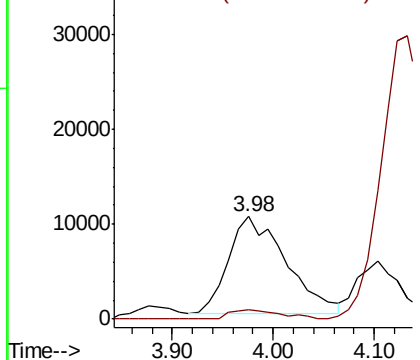
Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.1	12.1

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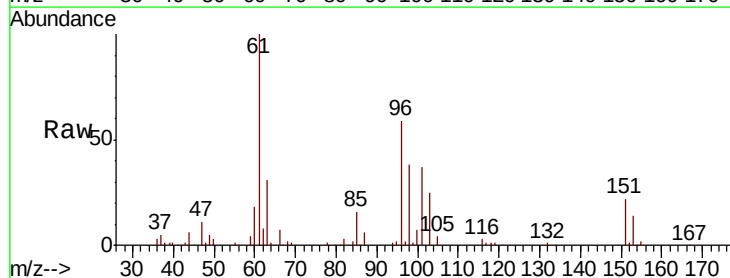
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



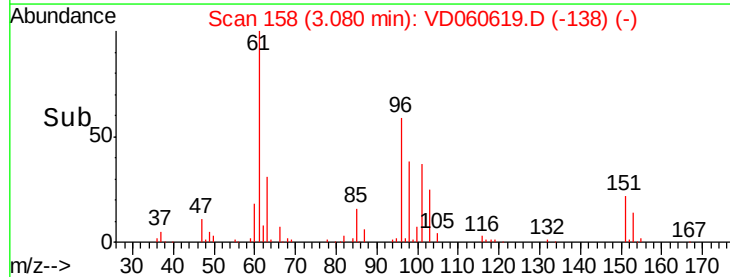
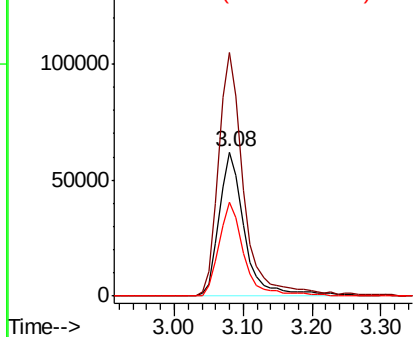
#12

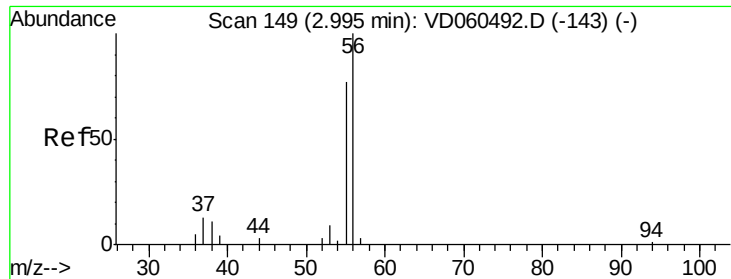
1,1-Dichloroethene
Concen: 22.186 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.0	143.0	214.4
98	65.0	53.4	80.0



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





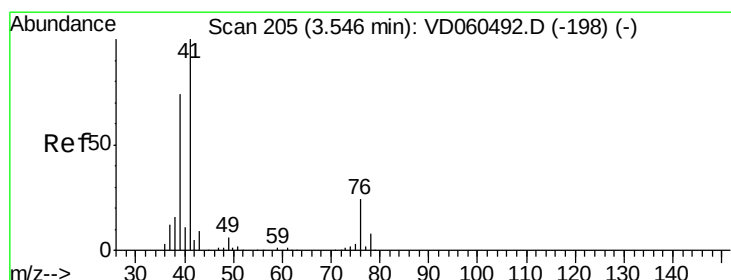
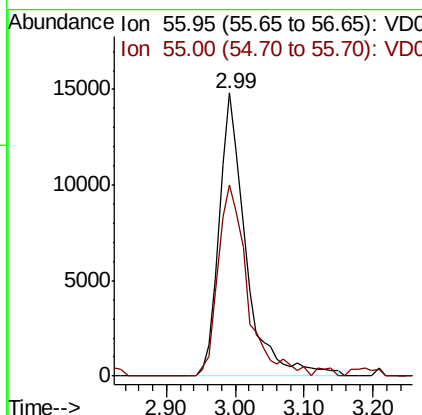
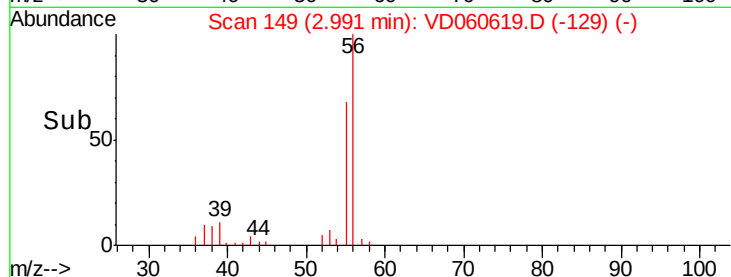
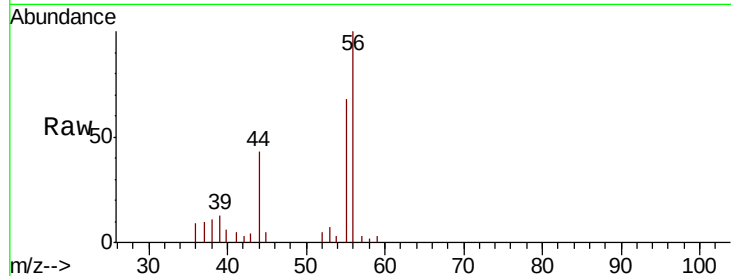
#13
 Acrolein
 Concen: 88.542 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

Tot Ion	56	55	Ratio	Lower	Upper
40047	100	67.7		62.0	93.0

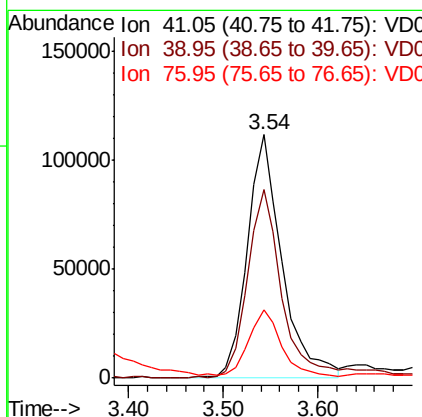
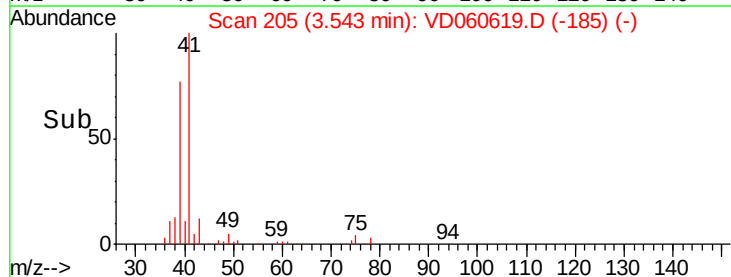
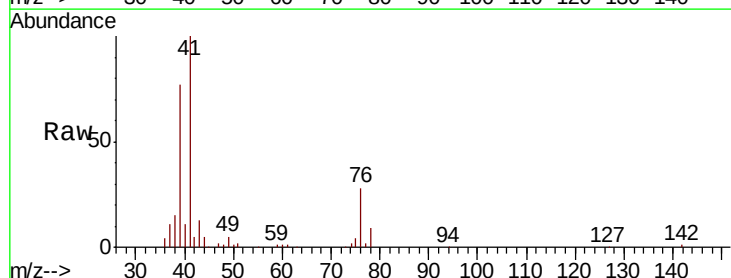
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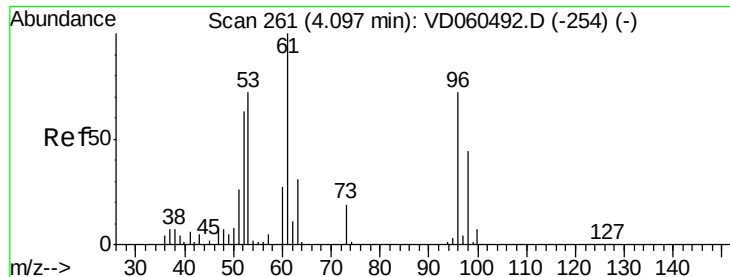
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#14
 Allyl chloride
 Concen: 20.907 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	41	39	76	Ratio	Lower	Upper
285003	100	77.4	27.8		59.3	88.9
					21.0	31.6





#15

Acrylonitrile

Concen: 118.292 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 53 Resp: 278025

Ion Ratio Lower Upper

53 100

52 76.7 70.0 105.0

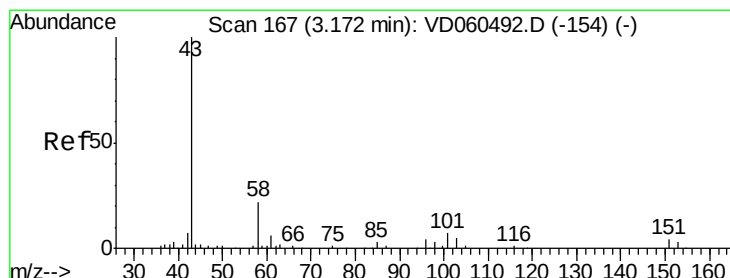
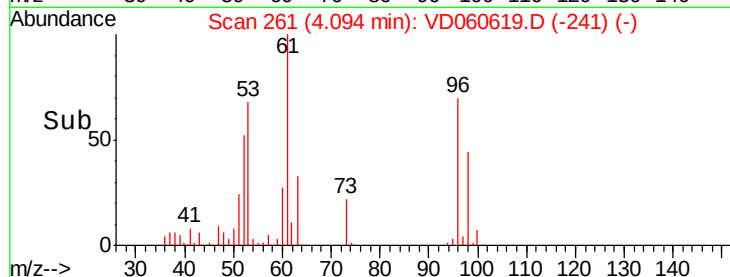
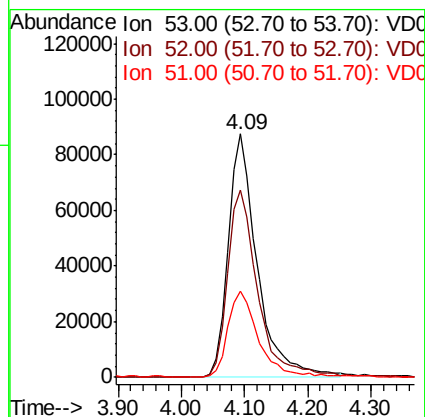
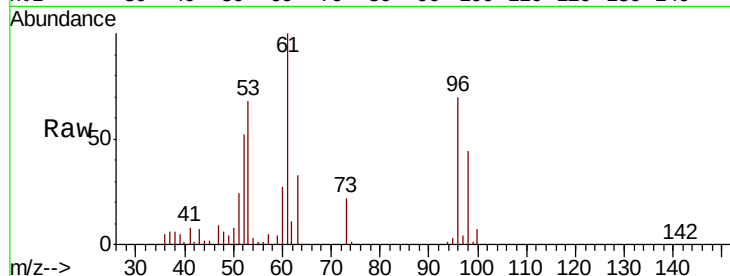
51 35.6 28.8 43.2

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#16

Acetone

Concen: 112.660 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060619.D

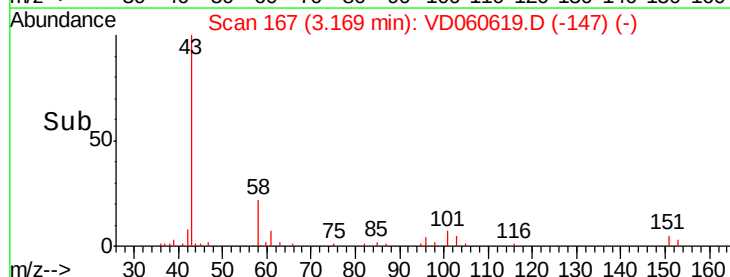
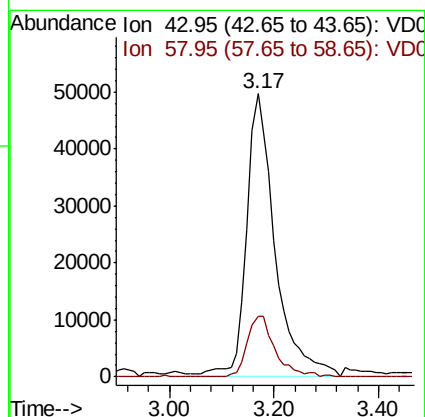
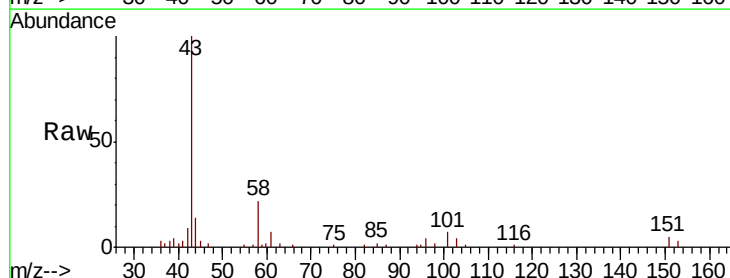
Acq: 18 Dec 2018 14:17

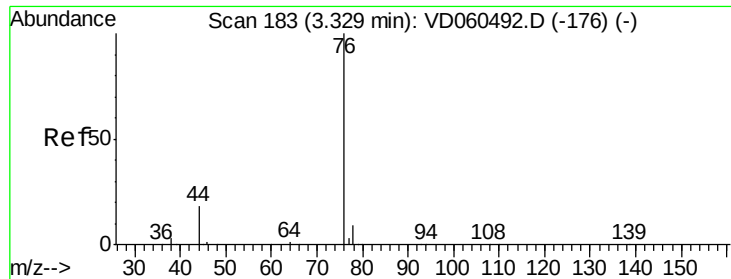
Tgt Ion: 43 Resp: 183990

Ion Ratio Lower Upper

43 100

58 21.6 17.3 25.9





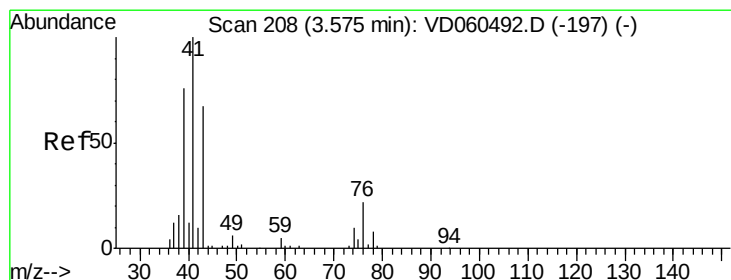
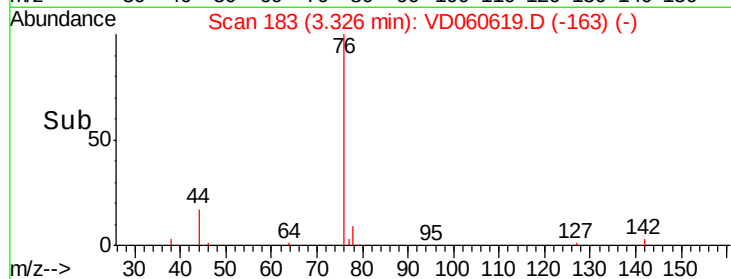
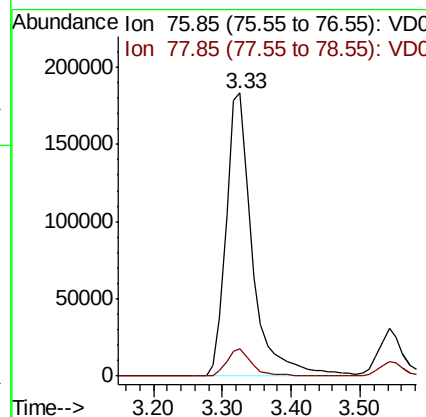
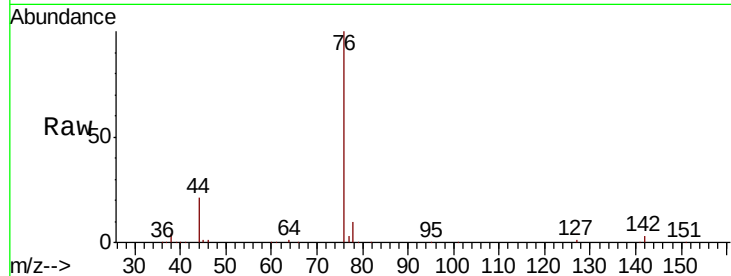
#17
Carbon Disulfide
Concen: 20.628 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

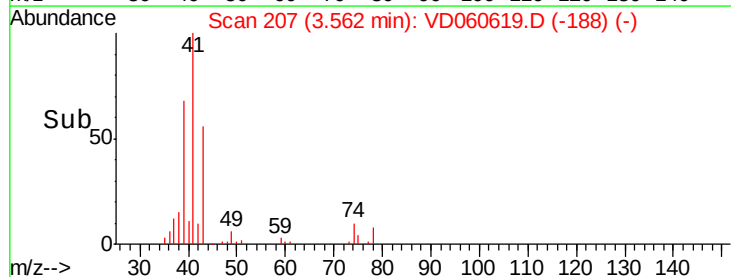
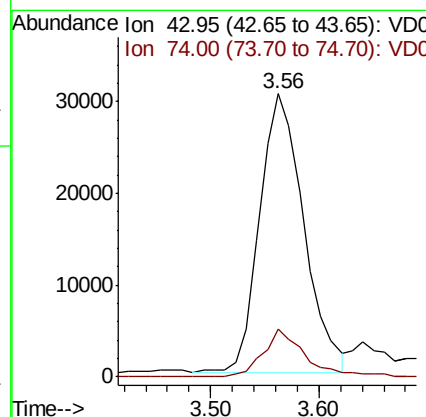
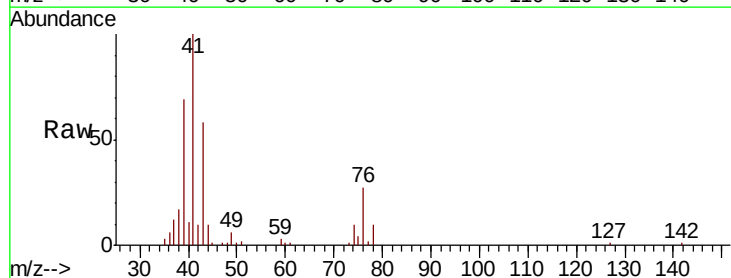
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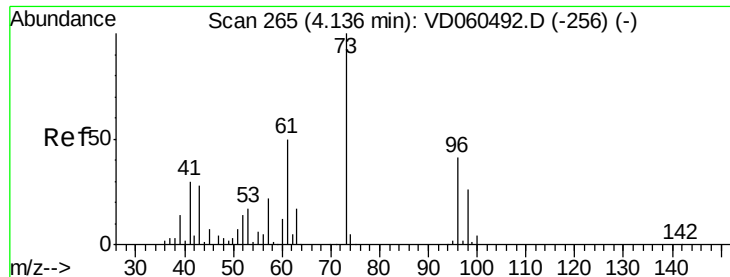
MMDadoda
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#18
Methyl Acetate
Concen: 22.077 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.7	12.0	18.0





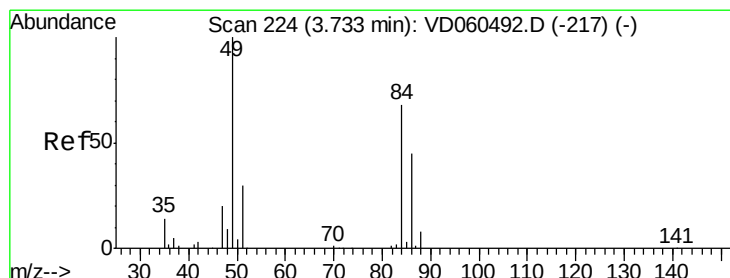
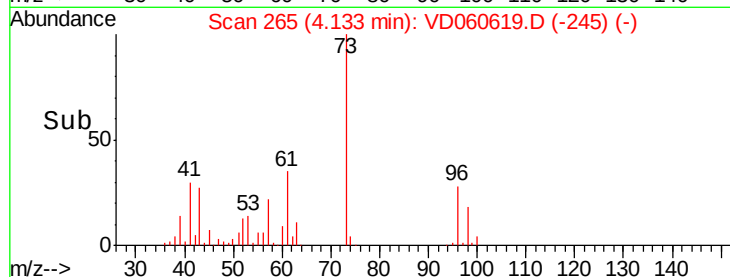
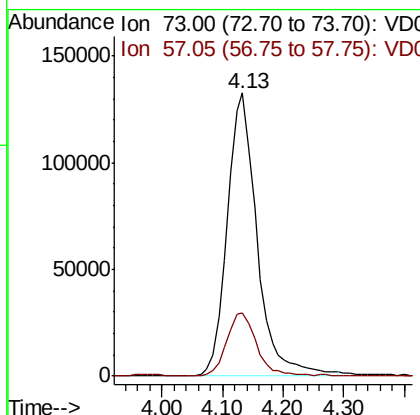
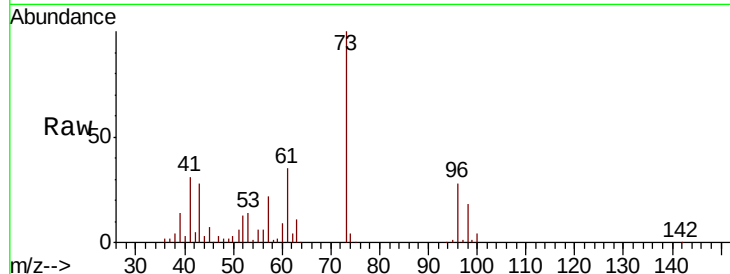
#19
Methvl tert-butyl Ether
Concen: 22.827 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion: 73 Resp: 454815
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.6

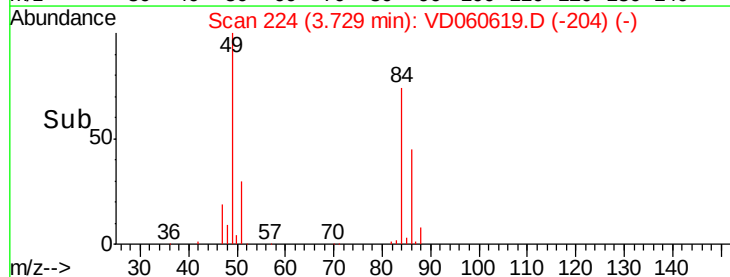
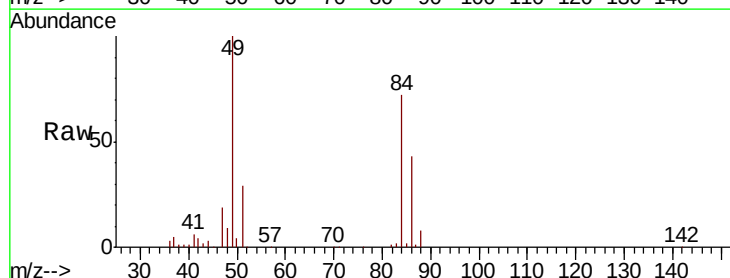
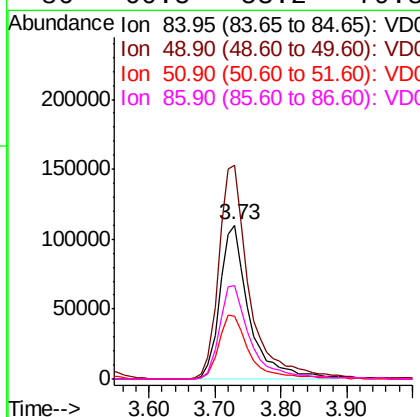
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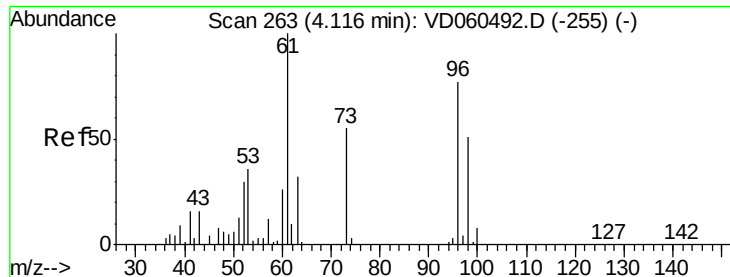
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#20
Methylene Chloride
Concen: 20.148 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion: 84 Resp: 342178
Ion Ratio Lower Upper
84 100
49 139.0 117.2 175.8
51 41.0 35.3 52.9
86 60.5 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.010 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 96 Resp: 328357

Ion Ratio Lower Upper

96 100

61 132.2 104.2 156.4

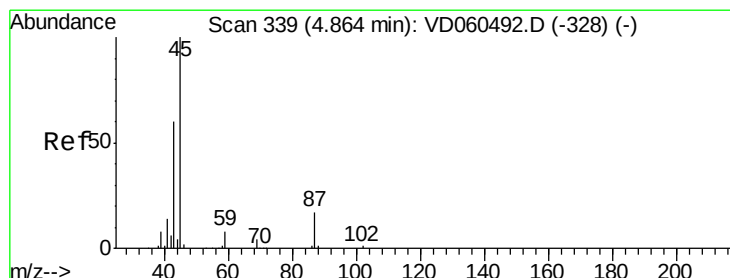
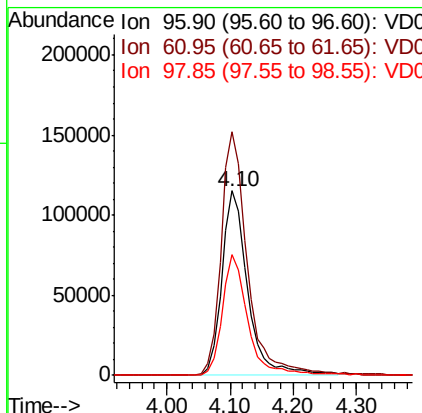
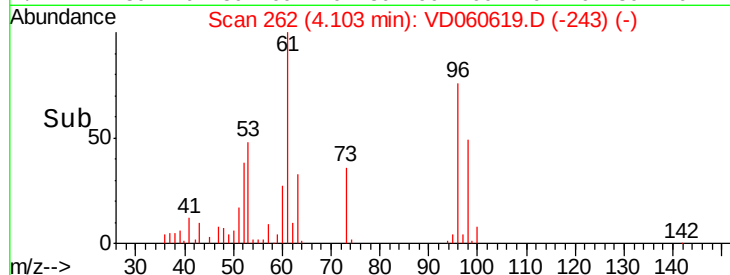
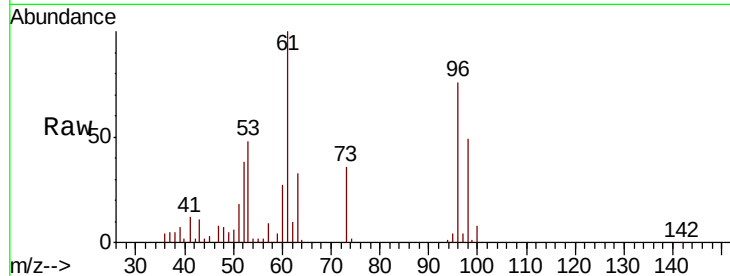
98 65.4 52.8 79.2

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#22

Diisopropyl ether

Concen: 21.522 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion: 45 Resp: 1053361

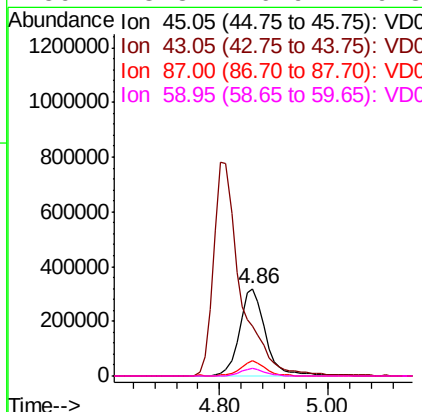
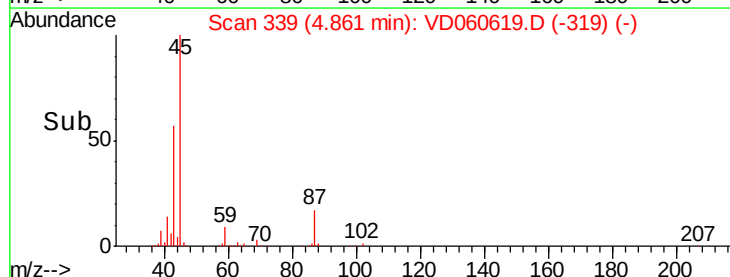
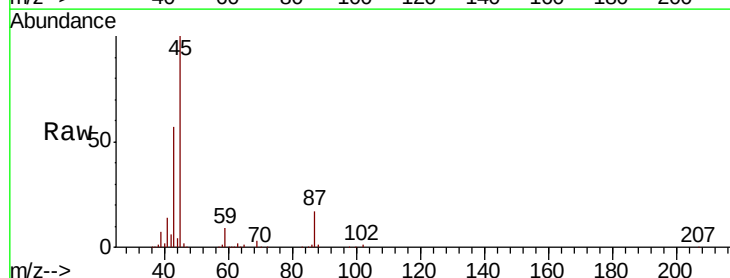
Ion Ratio Lower Upper

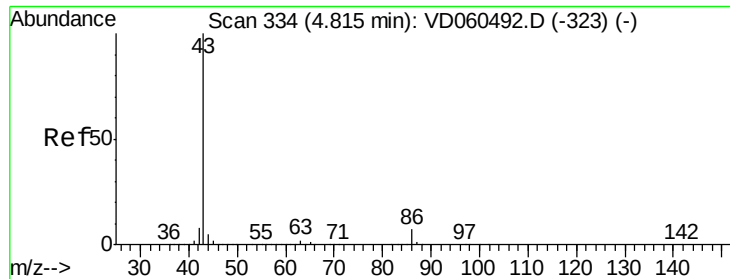
45 100

43 56.6 48.6 73.0

87 17.3 14.0 21.0

59 8.8 6.9 10.3





#23

Vinyl Acetate

Concen: 110.551 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 43 Resp: 2680788

Ion Ratio Lower Upper

43 100

86 6.4

5.5

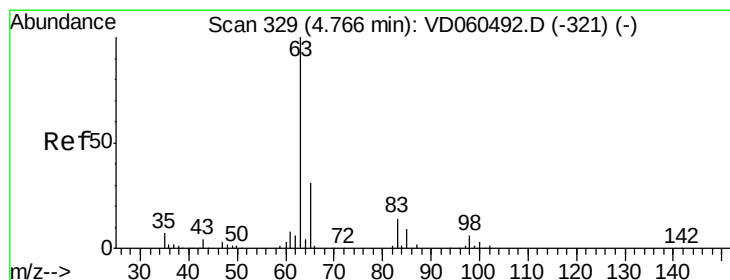
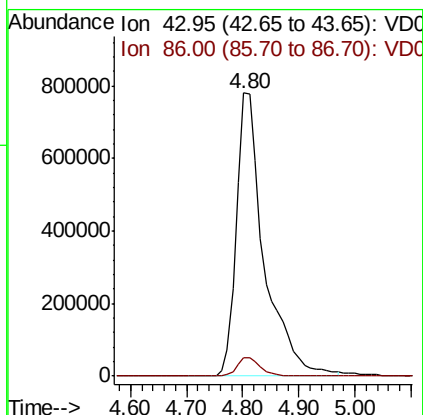
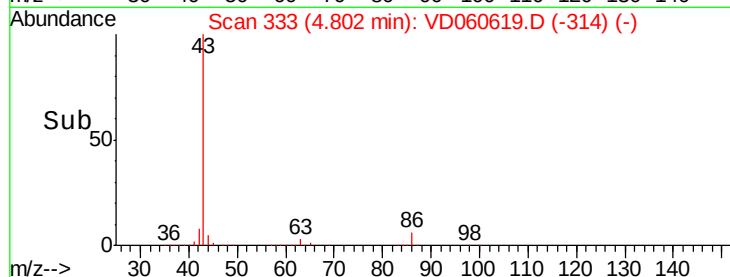
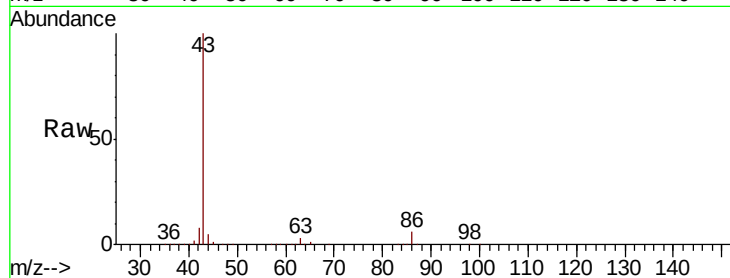
8.3

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#24

1,1-Dichloroethane

Concen: 20.905 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion: 63 Resp: 531544

Ion Ratio Lower Upper

63 100

98 5.9

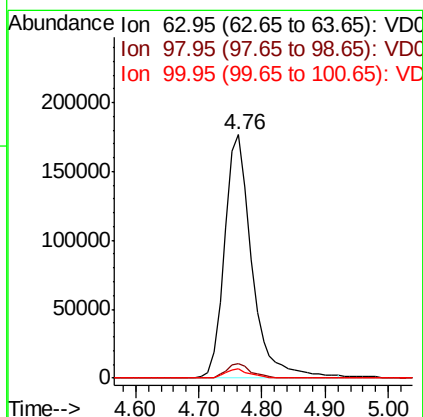
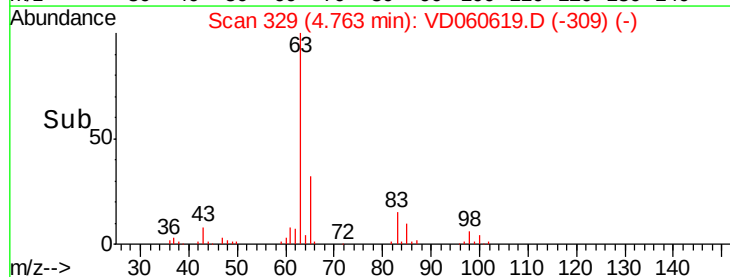
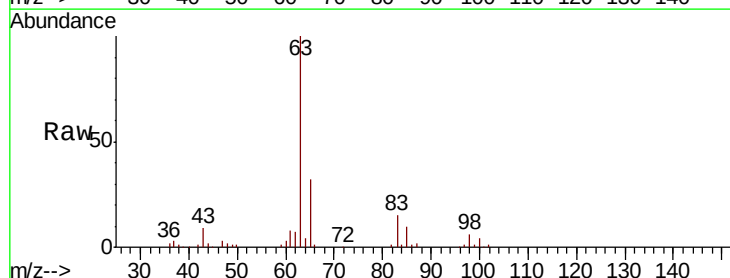
2.8

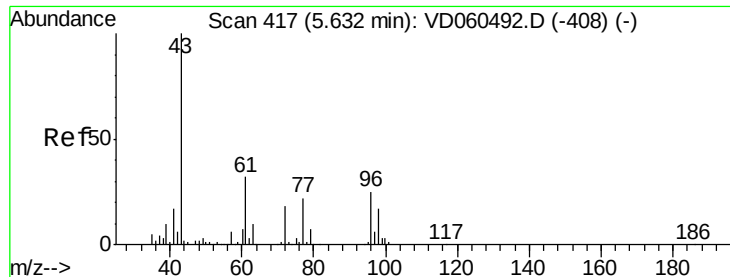
8.3

100 3.7

1.7

5.1





#25

2-Butanone

Concen: 115.509 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 43 Resp: 371136

Ion Ratio Lower Upper

43 100

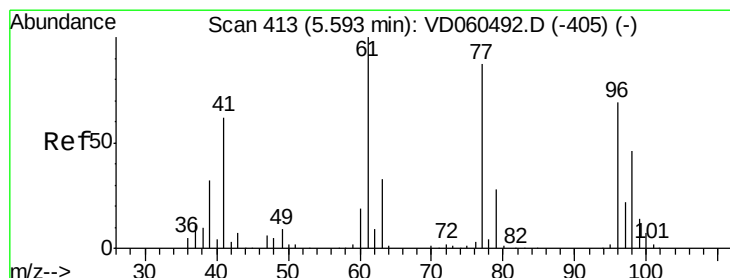
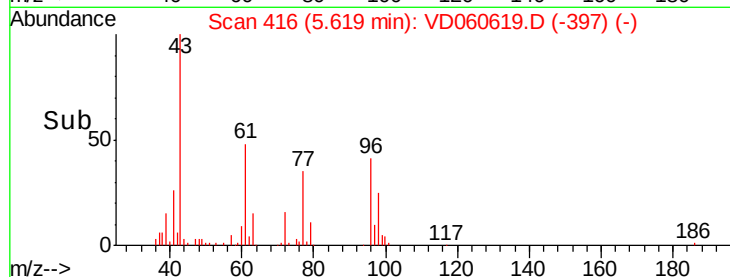
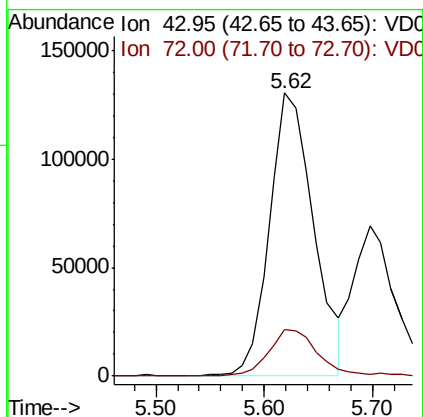
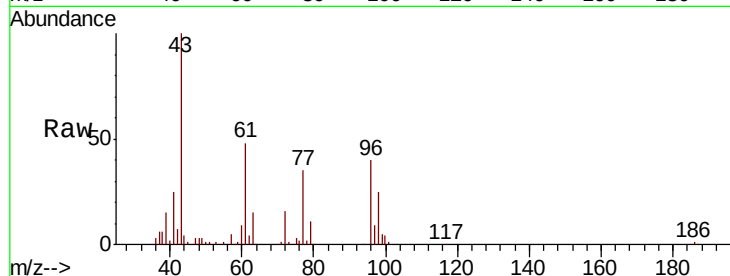
72 16.4 14.6 21.8

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#26

2,2-Dichloropropane

Concen: 21.780 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060619.D

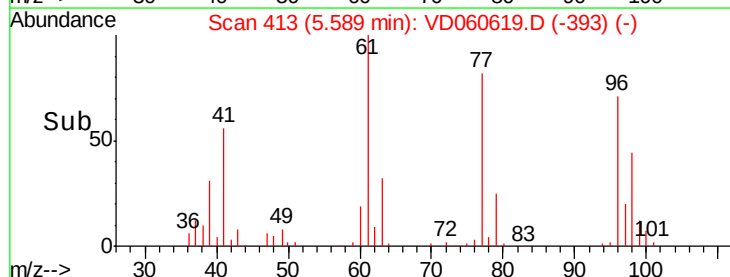
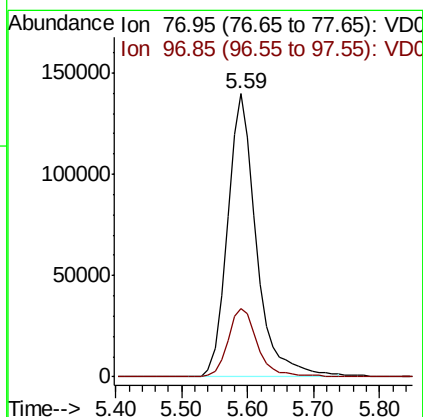
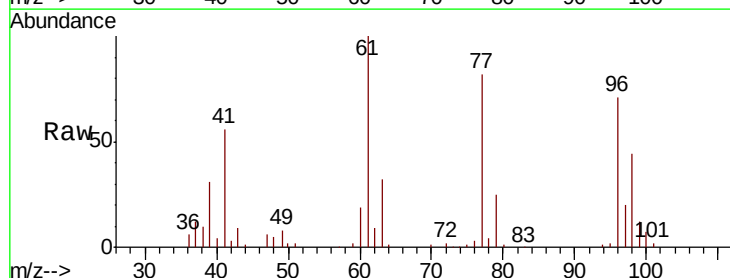
Acq: 18 Dec 2018 14:17

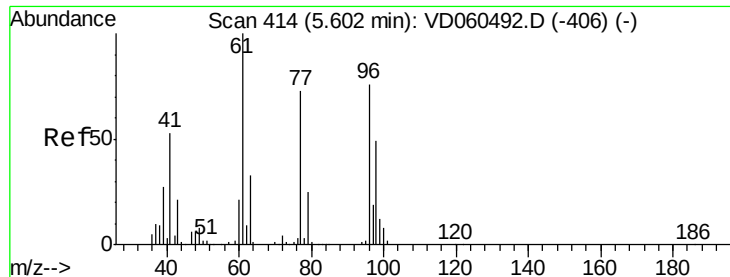
Tgt Ion: 77 Resp: 427797

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.0





#27

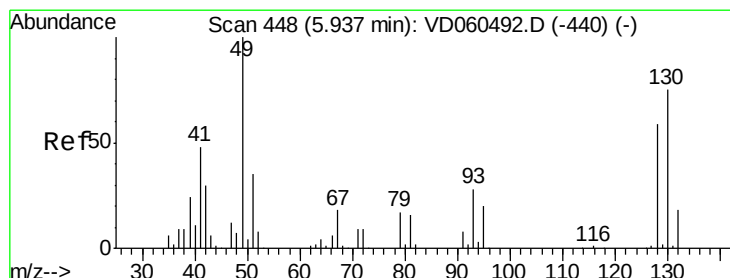
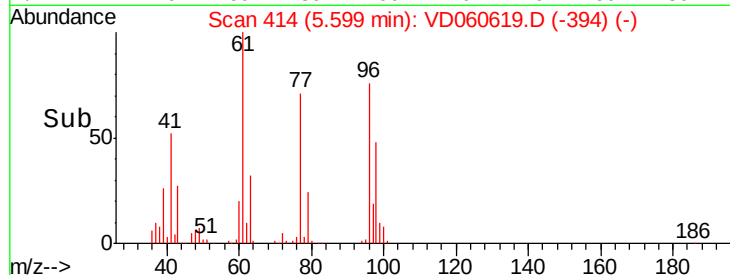
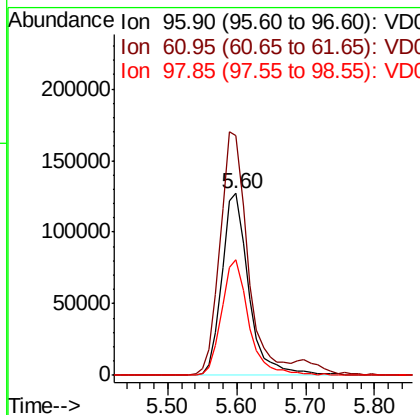
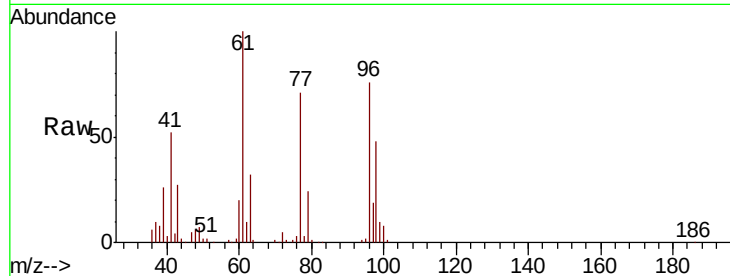
cis-1,2-Dichloroethene
 Concen: 21.686 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	344603		
61	132.0	0.0	263.6	
98	63.9	0.0	128.2	

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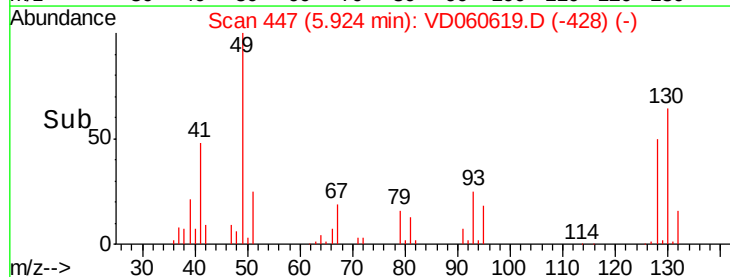
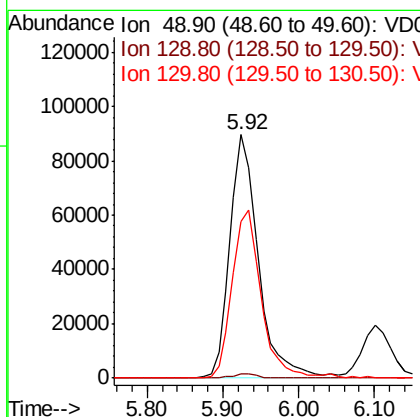
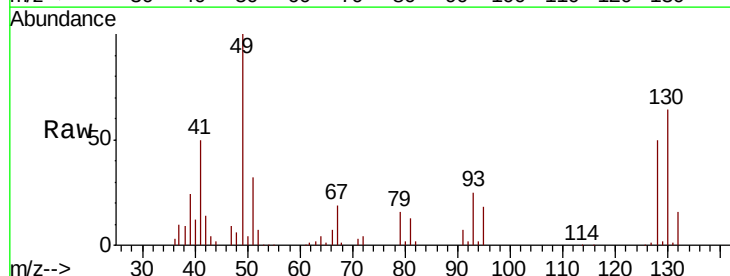
MMDadoda
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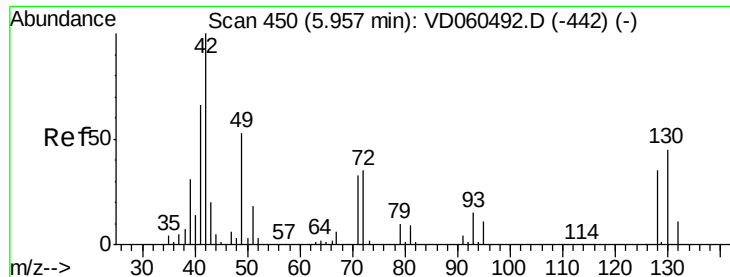


#28

Bromochloromethane
 Concen: 20.773 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	233980		
129	1.9	0.0	3.4	
130	64.2	59.8	89.6	





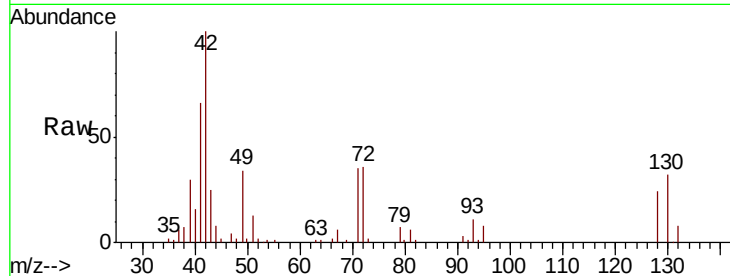
#29
Tetrahydrofuran
Concen: 116.505 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

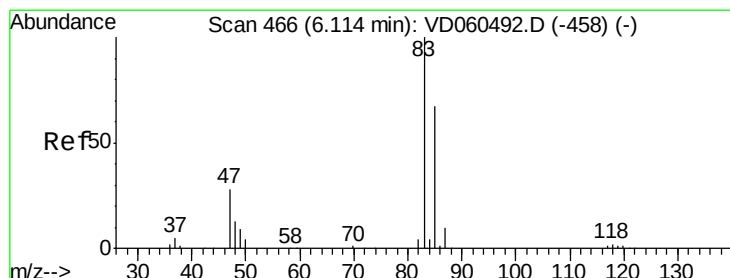
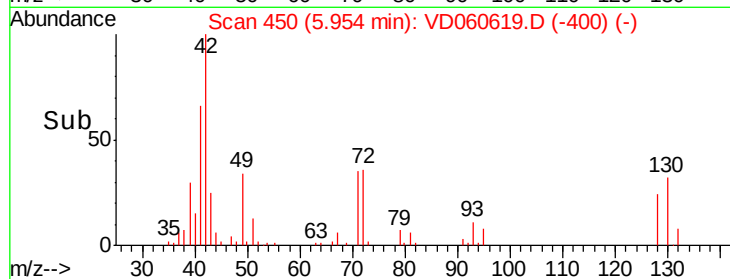
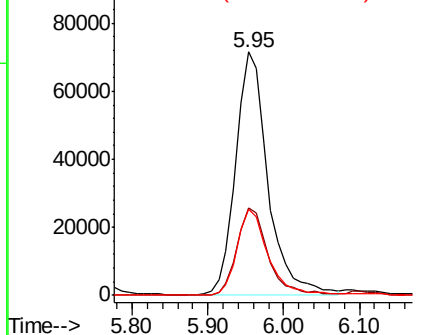
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	28.0	42.0
71	33.8	27.2	40.8

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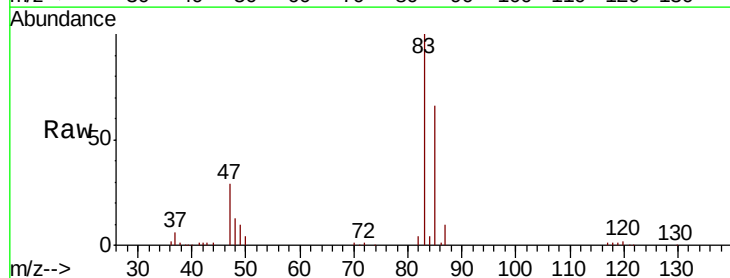


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

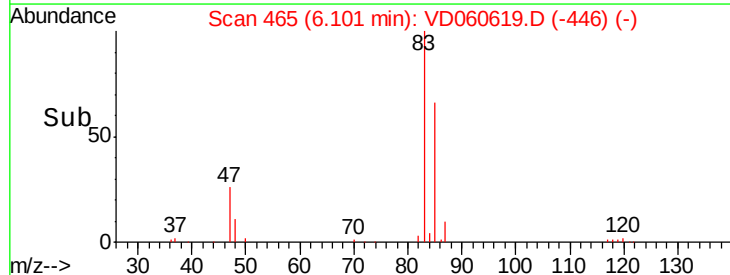
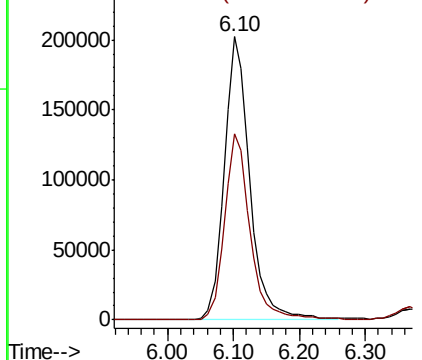


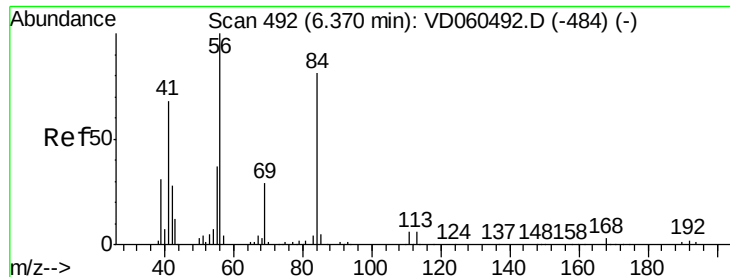
#30
Chloroform
Concen: 21.415 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.4	80.2



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





#31

Cyclohexane

Concen: 20.883 ug/l

RT: 6.37 min Scan# 492

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

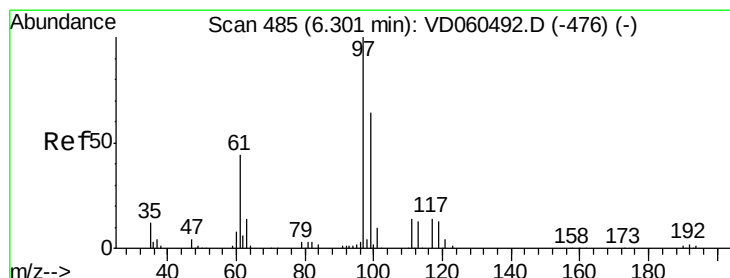
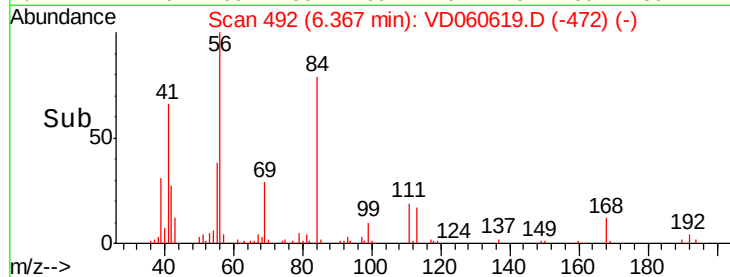
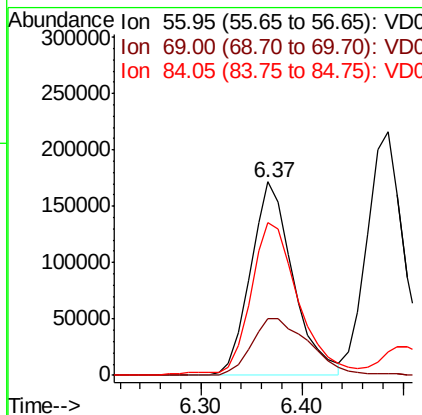
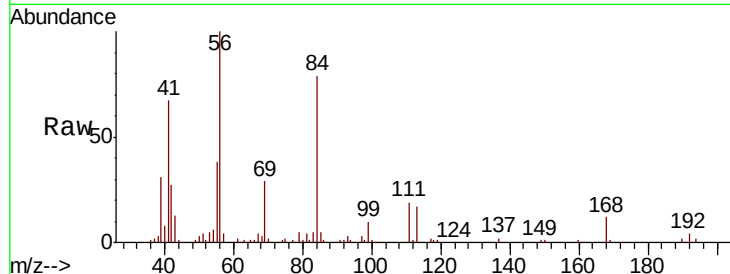
ClientSampleId :

VD1218SBS01

Tot Ion:	56	Resp:	502551
Ion Ratio		Lower	Upper
56	100		
69	29.3	22.8	34.2
84	78.9	65.1	97.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.732 ug/l

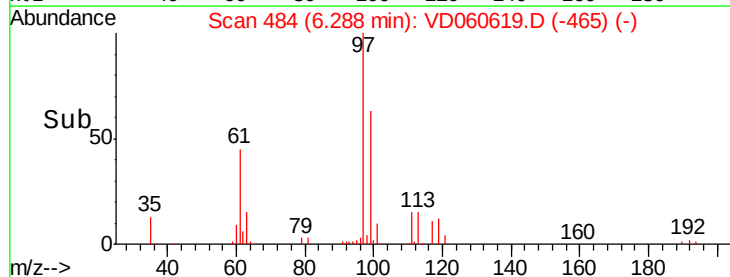
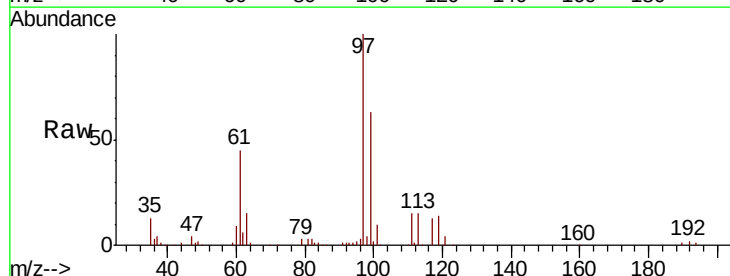
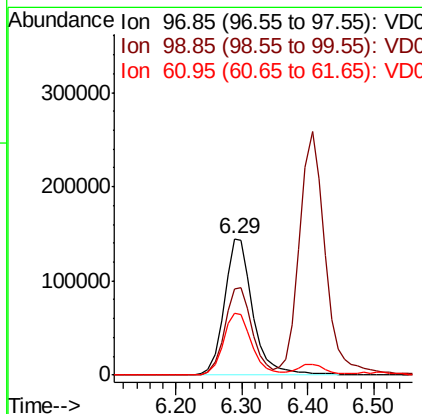
RT: 6.29 min Scan# 484

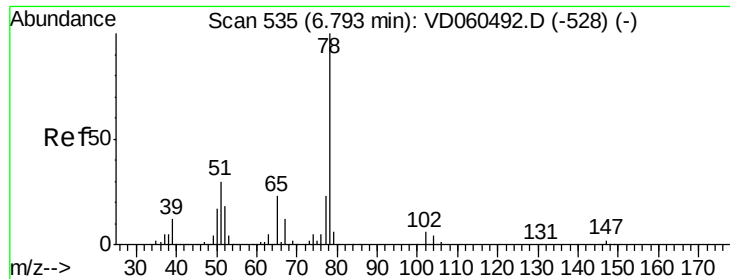
Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion:	97	Resp:	436584
Ion Ratio		Lower	Upper
97	100		
99	62.7	51.0	76.4
61	45.4	35.3	52.9





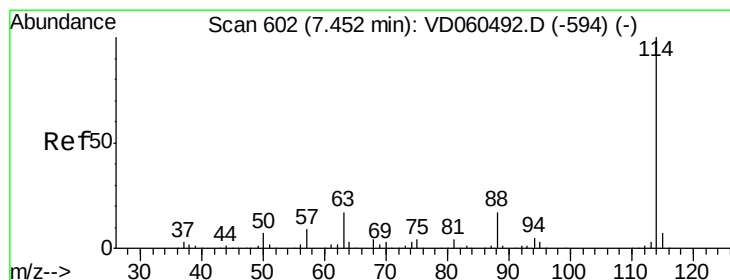
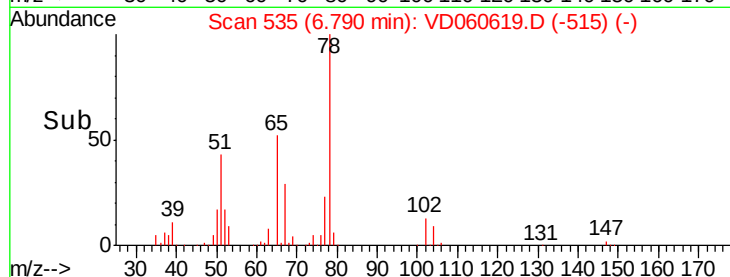
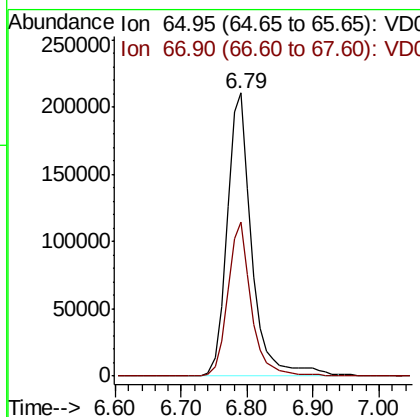
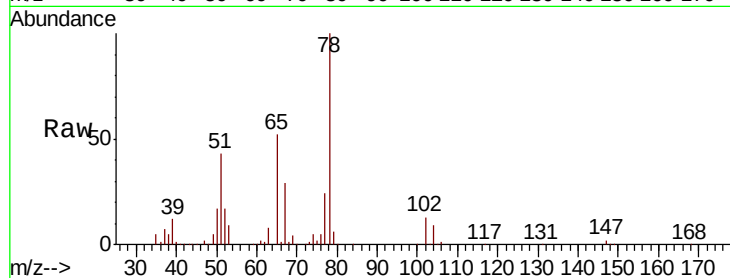
#33
 1,2-Dichloroethane-d4
 Concen: 20.732 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	106.8	

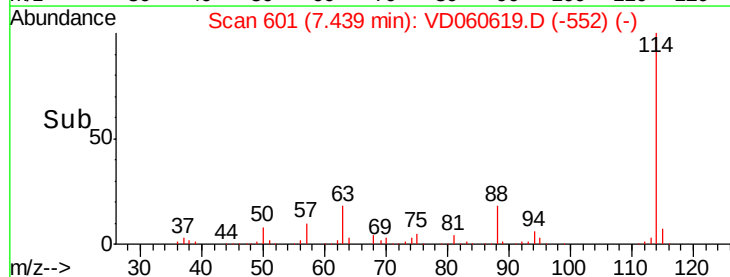
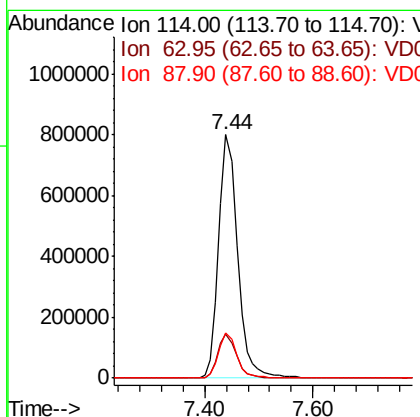
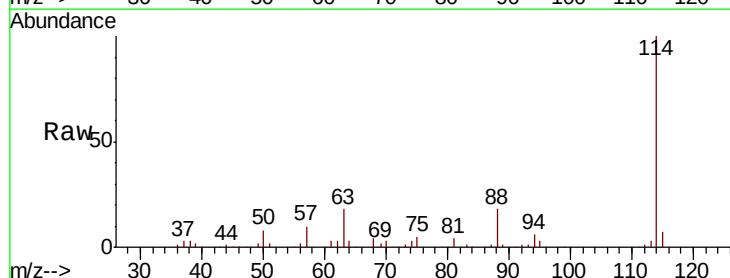
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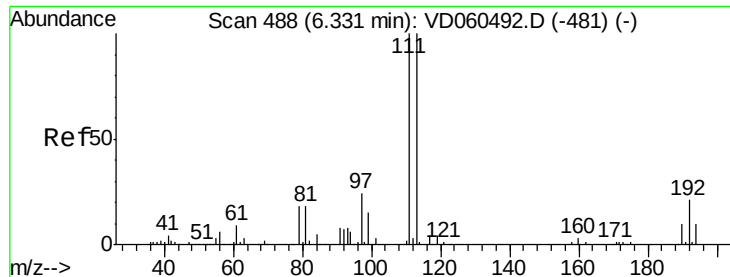
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	34.2	
88	18.5	0.0	35.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

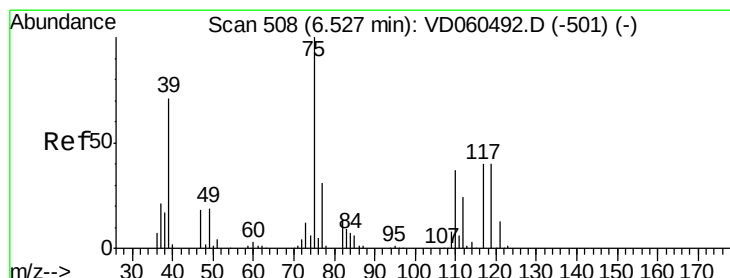
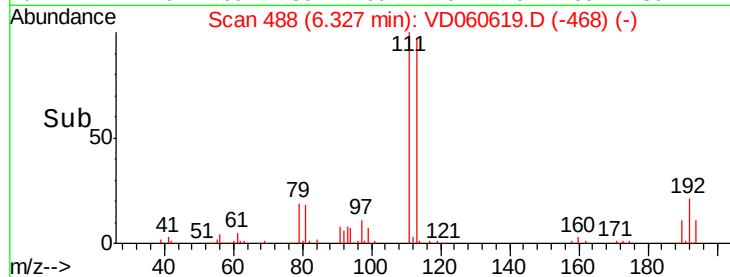
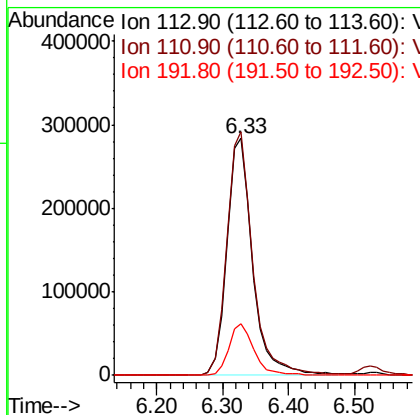
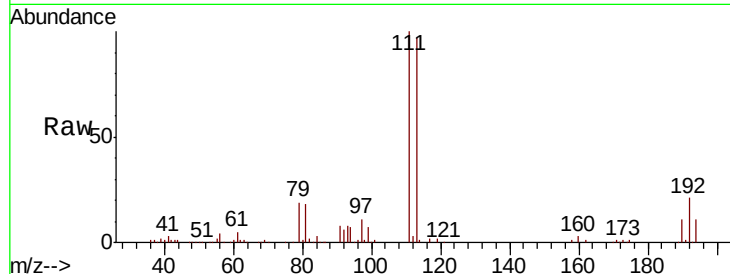
ClientSampleId :

VD1218SBSD01

Tot Ion:	113	Resp:	776513
Ion Ratio	Lower	Upper	
113	100		
111	102.8	80.2	120.4
192	21.8	16.6	24.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.253 ug/l

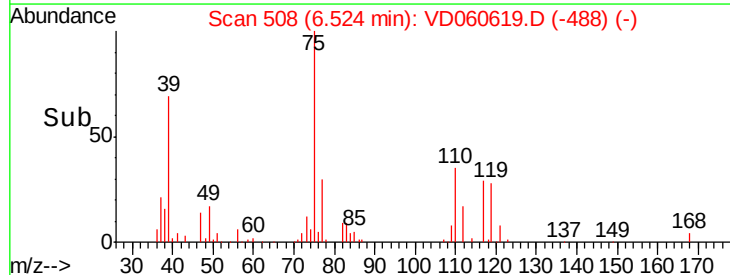
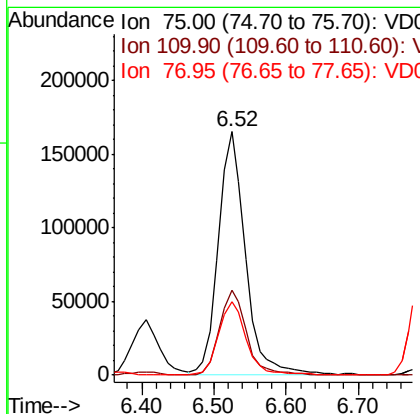
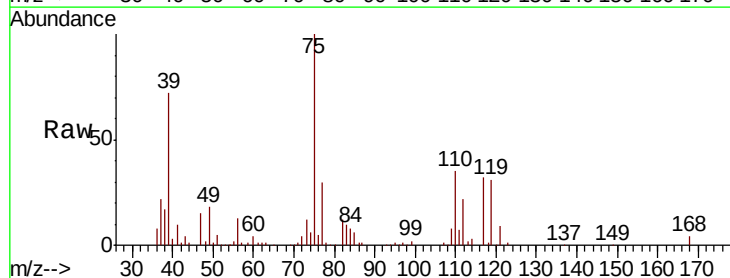
RT: 6.52 min Scan# 508

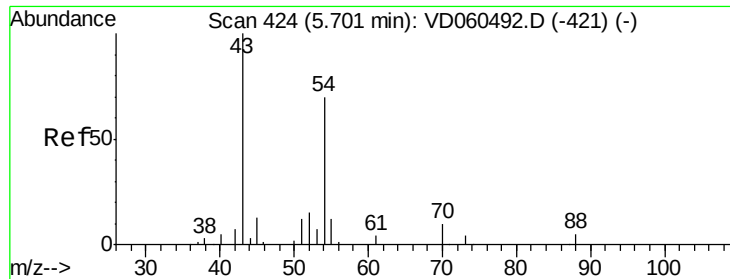
Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion:	75	Resp:	423765
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.3	54.8
77	30.2	24.6	37.0





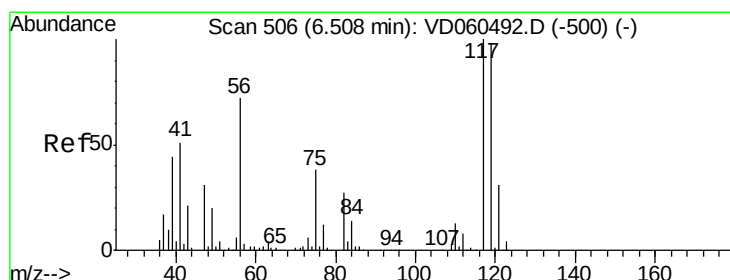
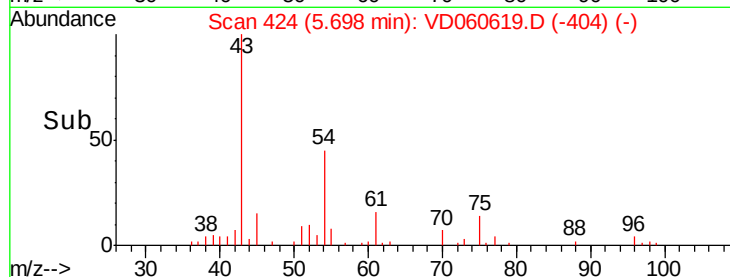
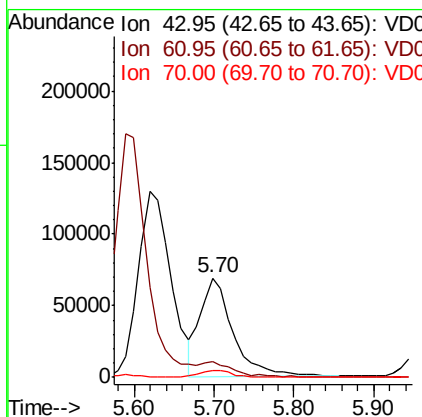
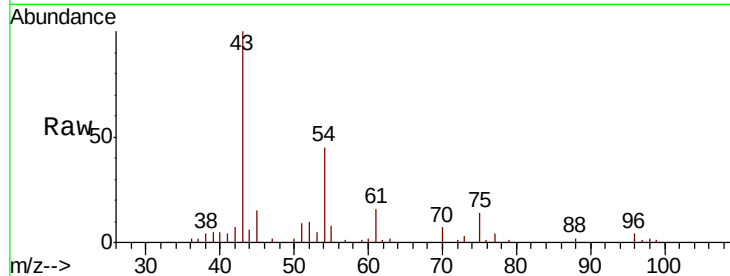
#37
Ethyl Acetate
Concen: 23.563 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.4	18.6
70	7.3	5.4	8.0

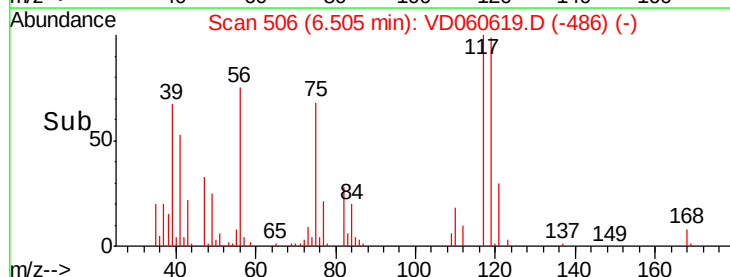
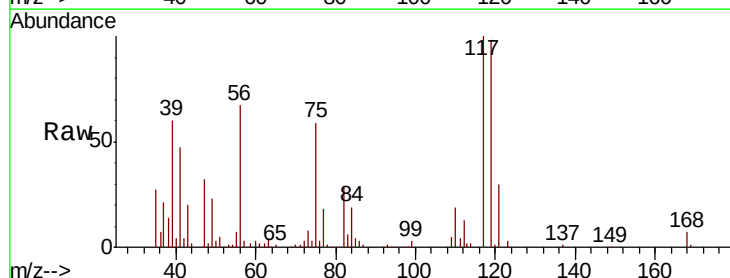
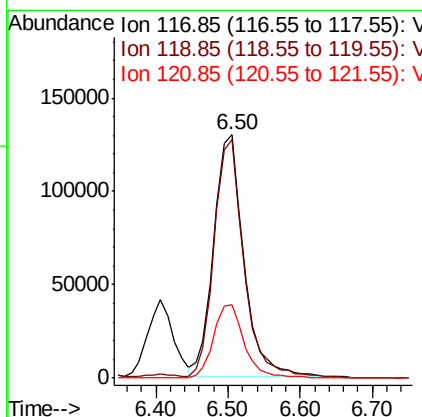
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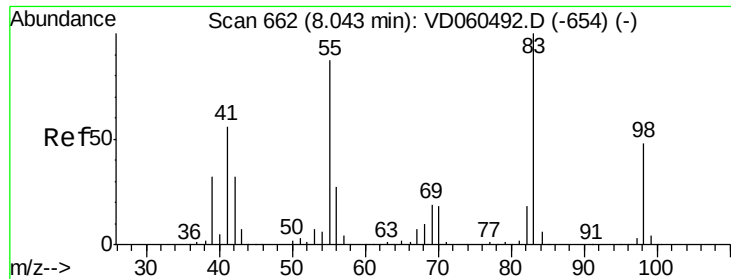
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#38
Carbon Tetrachloride
Concen: 21.770 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.8	115.2
121	30.0	24.4	36.6





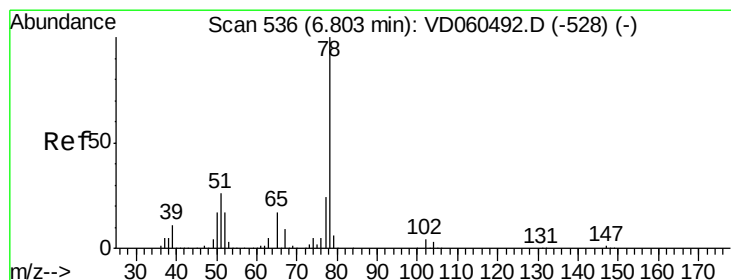
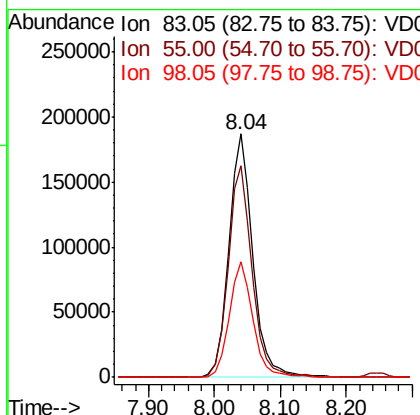
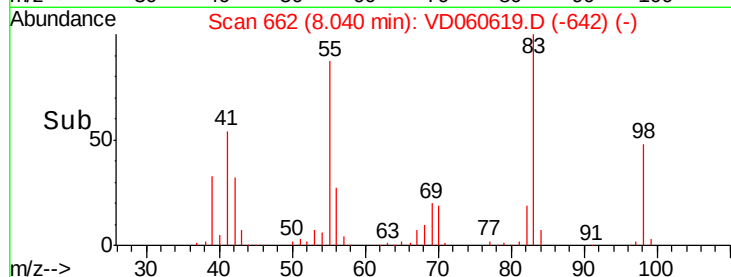
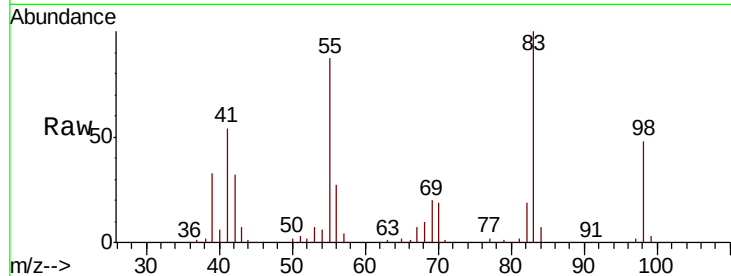
#39
Methylvlcyclohexane
Concen: 21.865 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	69.8	104.8
98	47.5	38.4	57.6

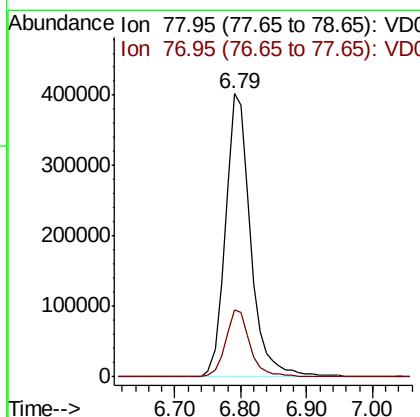
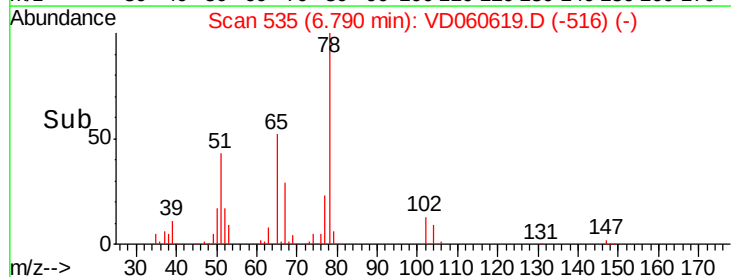
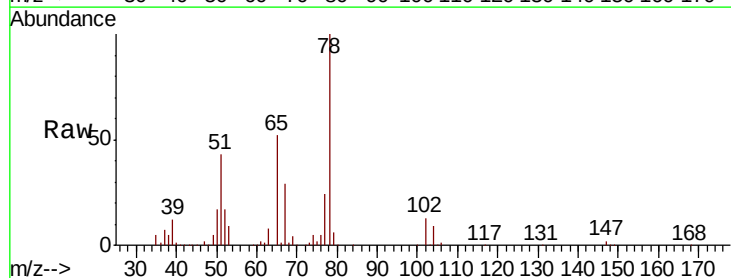
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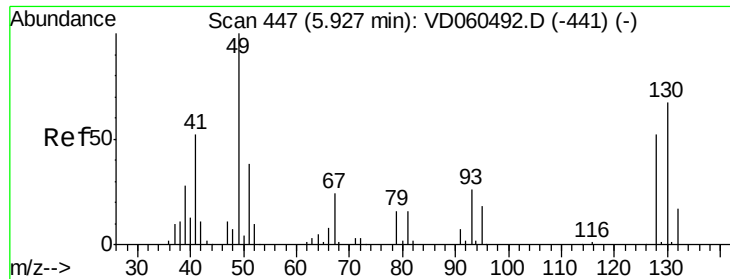
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#40
Benzene
Concen: 22.062 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





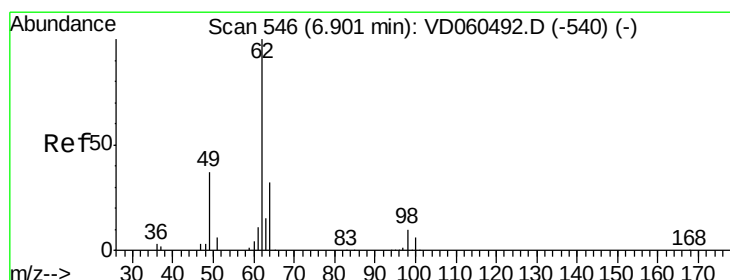
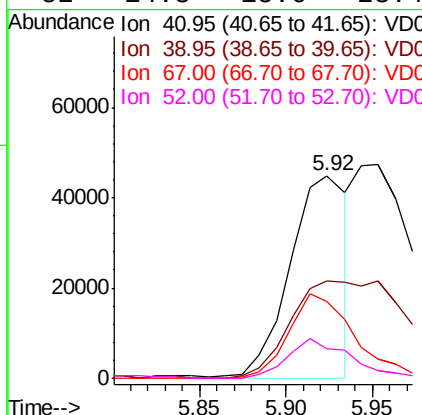
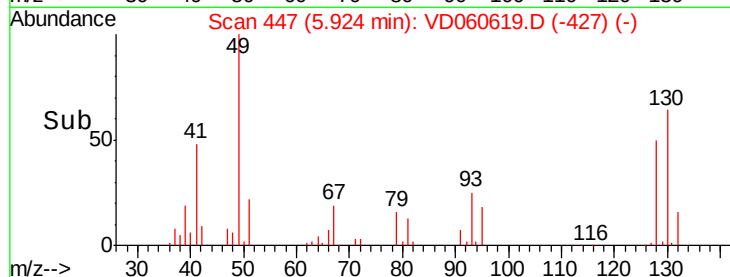
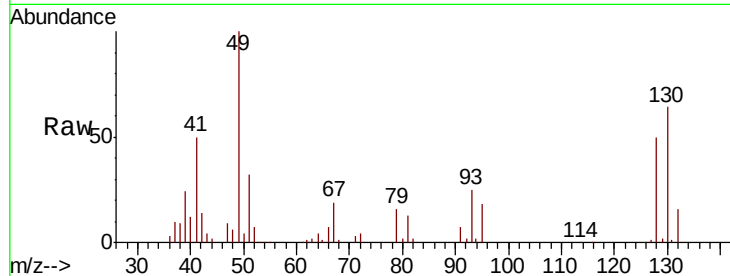
#41
Methacrylonitrile
Concen: 23.422 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.9	42.6	63.8
67	37.9	36.2	54.4
52	14.3	15.6	23.4

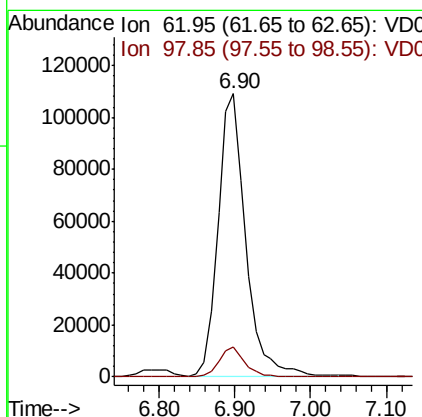
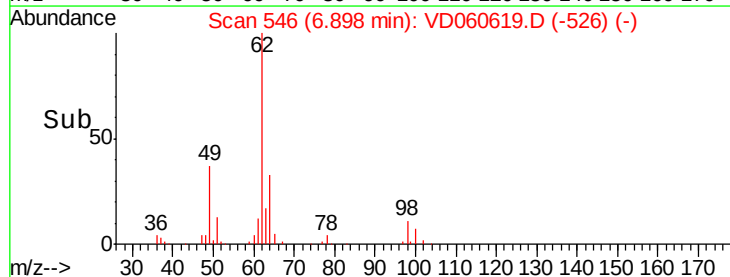
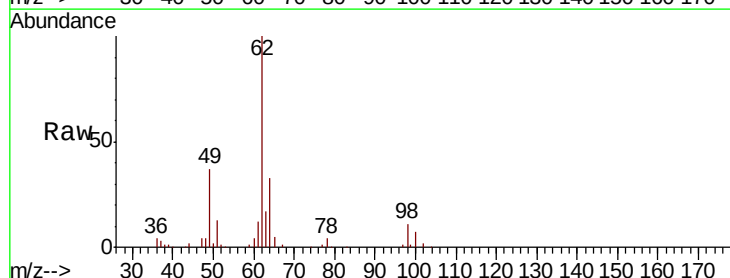
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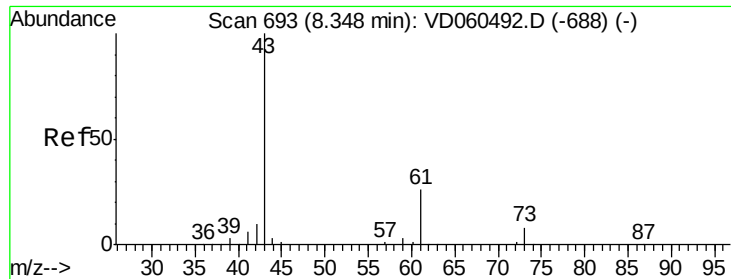
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#42
1,2-Dichloroethane
Concen: 22.138 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.2





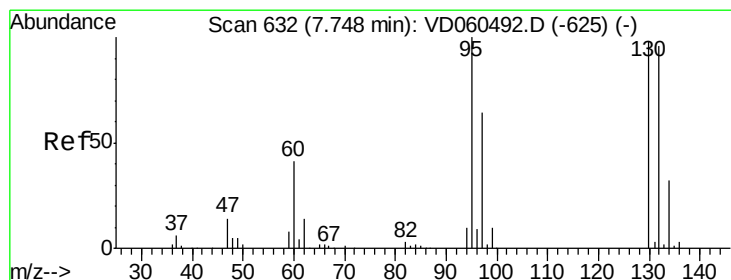
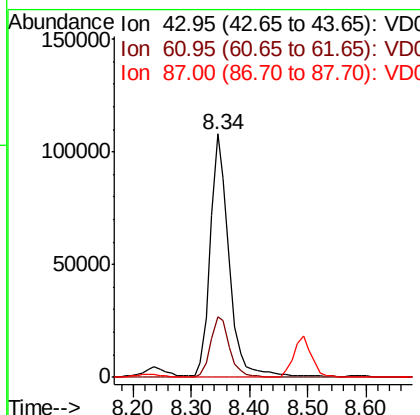
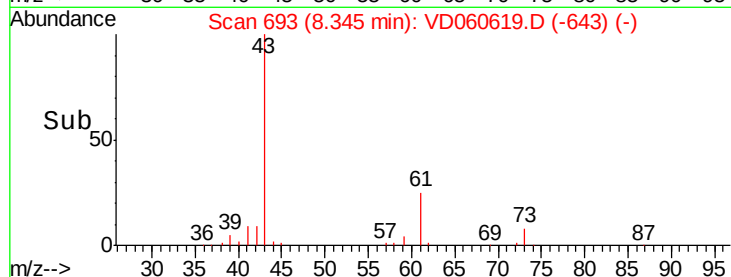
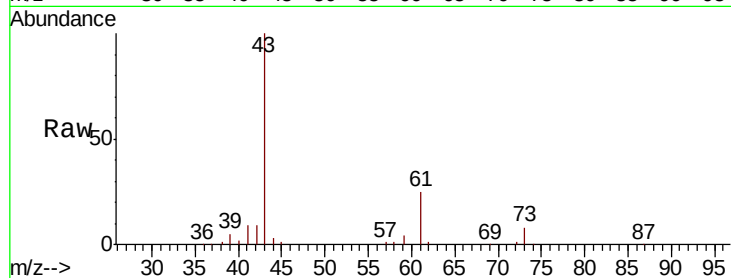
#43
Isopropyl Acetate
Concen: 23.321 ug/l
RT: 8.34 min Scan# 693
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	21.0	31.4
87	0.3	0.2	0.2#

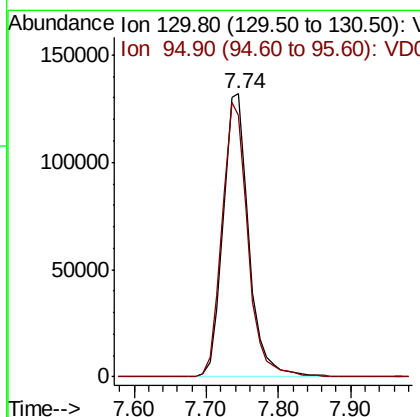
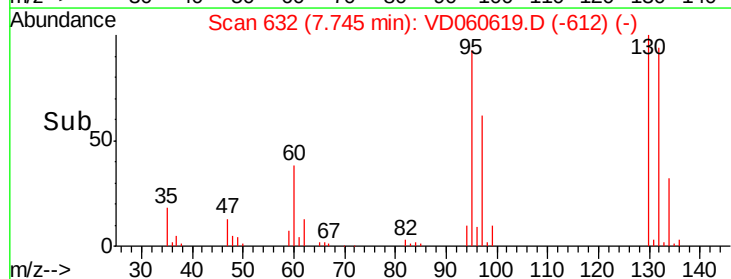
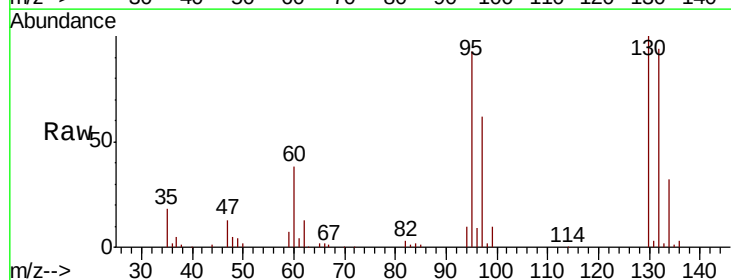
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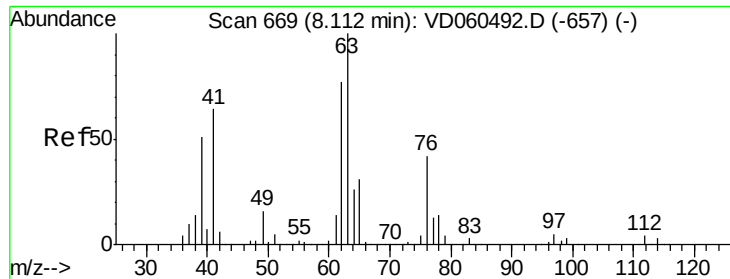
MMDadoda
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#44
Trichloroethene
Concen: 22.303 ug/l
RT: 7.74 min Scan# 632
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	203.8





#45

1,2-Dichloropropane

Concen: 22.742 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 63 Resp: 273743

Ion Ratio Lower Upper

63 100

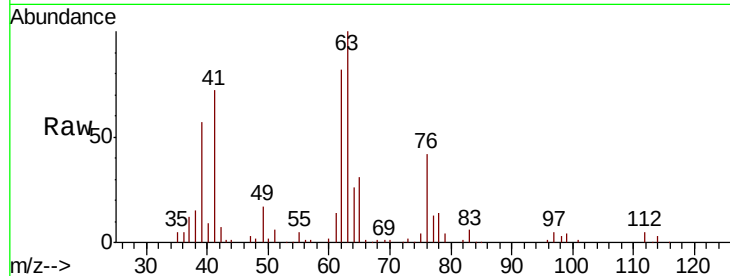
65 30.8 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

120000

100000

80000

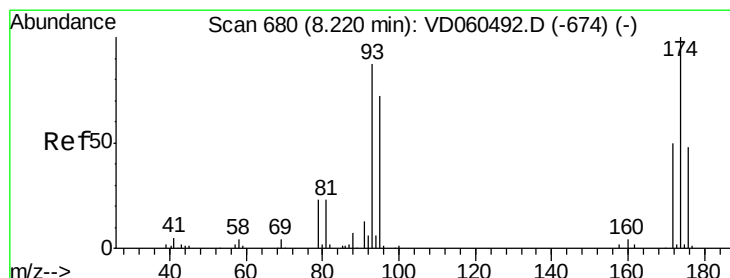
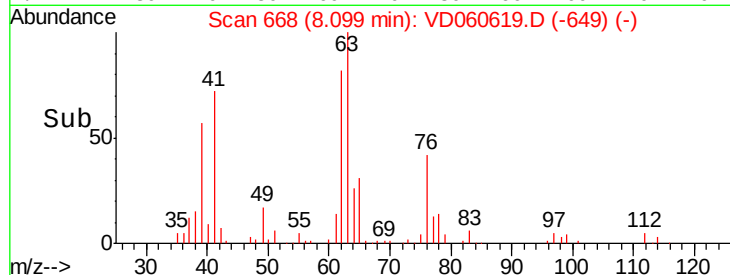
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 22.627 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

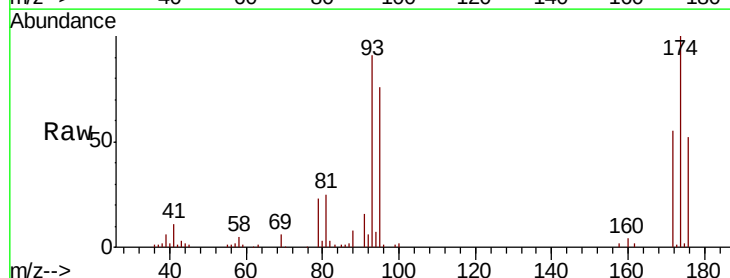
Tgt Ion: 93 Resp: 157359

Ion Ratio Lower Upper

93 100

95 83.2 65.6 98.4

174 109.8 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.22

100000

80000

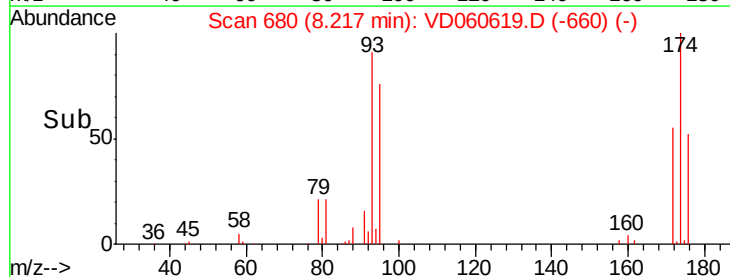
60000

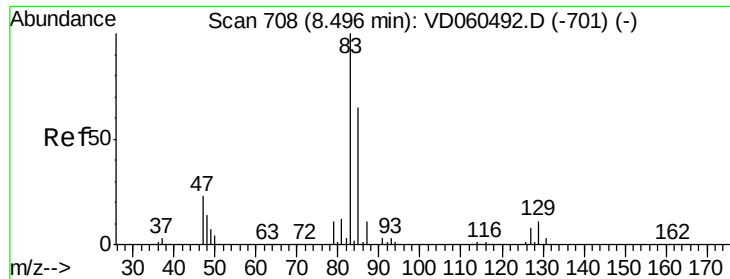
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 22.647 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

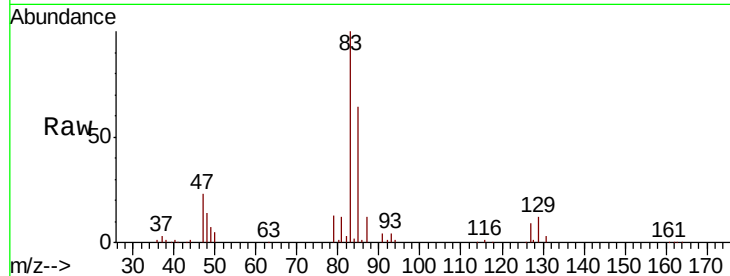
ClientSampleId :

VD1218SBS01

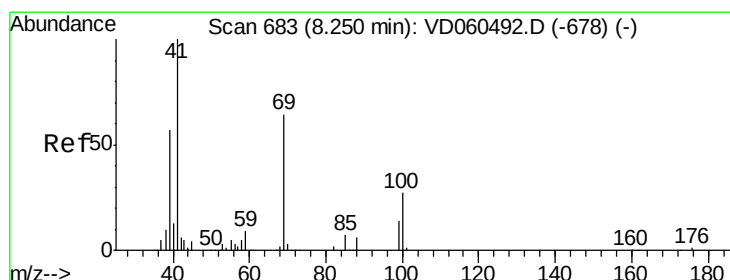
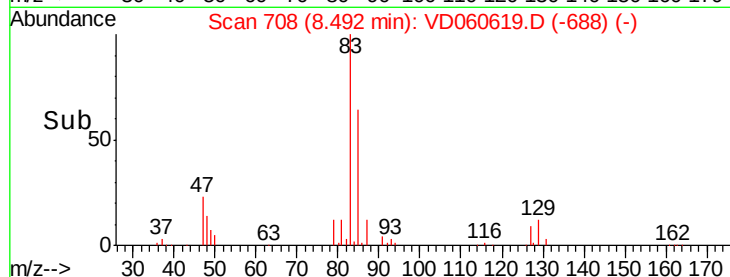
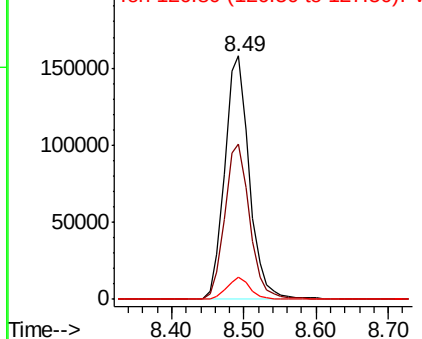
Tot Ion:	83	Resp:	373695
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	9.1	6.7	10.1

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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: 23.218 ug/l

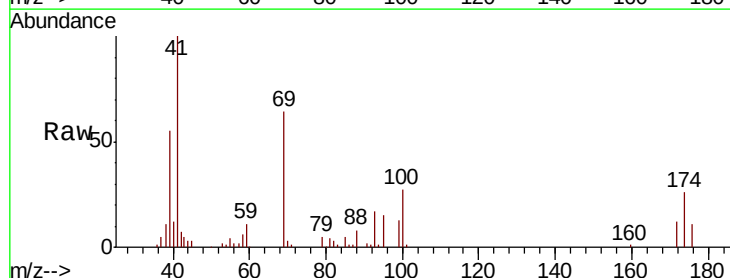
RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

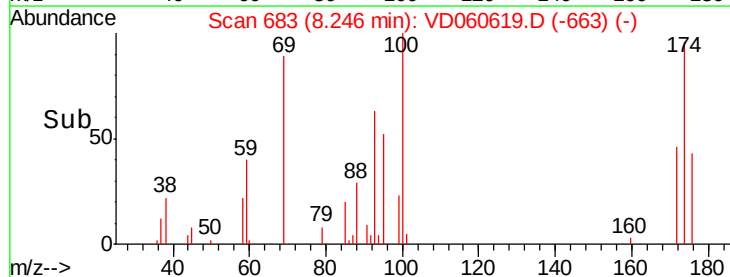
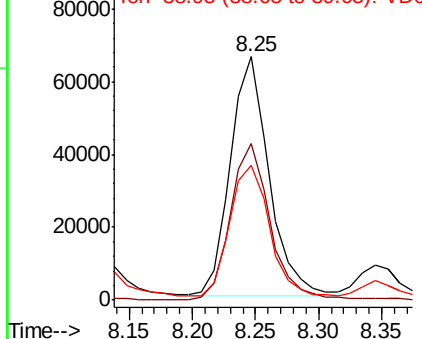
Lab File: VD060619.D

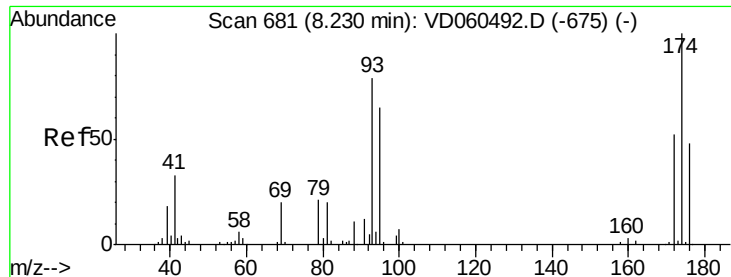
Acq: 18 Dec 2018 14:17

Tgt Ion:	41	Resp:	140054
Ion	Ratio	Lower	Upper
41	100		
69	64.4	50.2	75.4
39	55.4	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





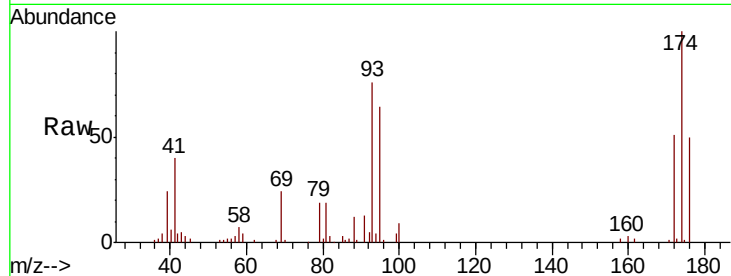
#49
1,4-Dioxane
Concen: 466.594 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

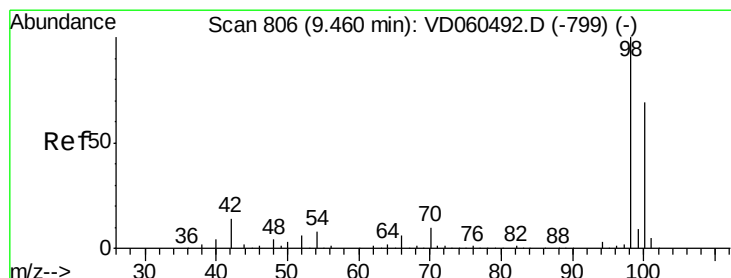
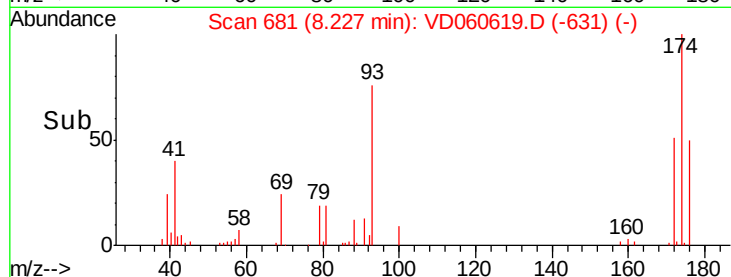
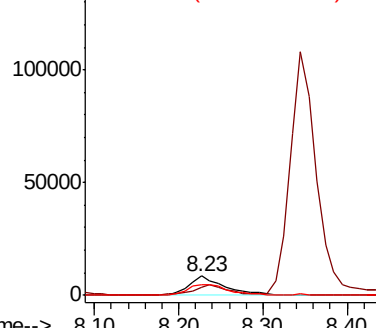
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	32.9	49.3
58	54.9	47.7	71.5

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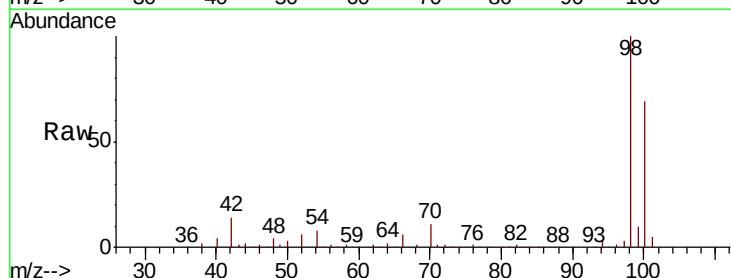


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

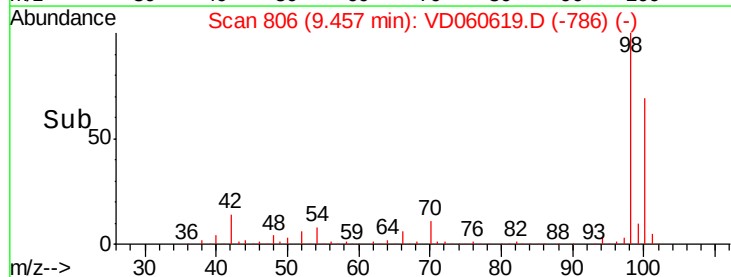
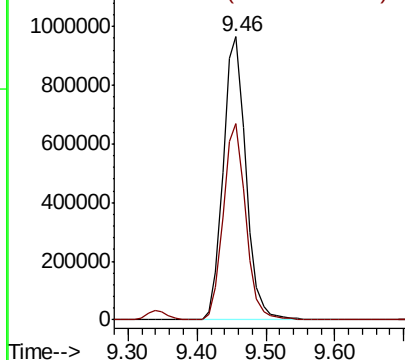


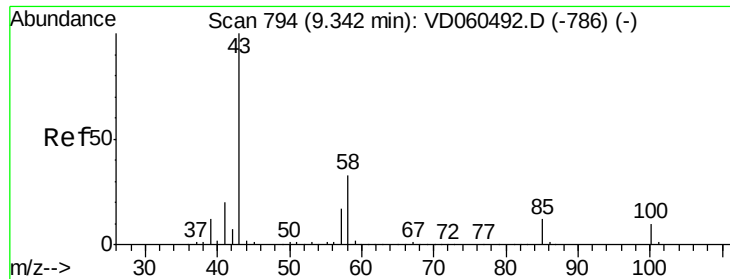
#50
Toluene-d8
Concen: 466.594 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	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: 117.720 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 43 Resp: 746519

Ion Ratio Lower Upper

43 100

58 32.4

26.3

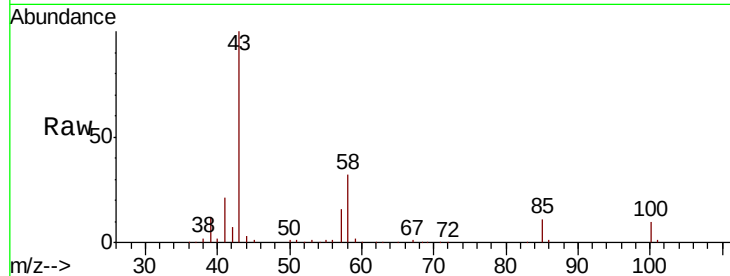
39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

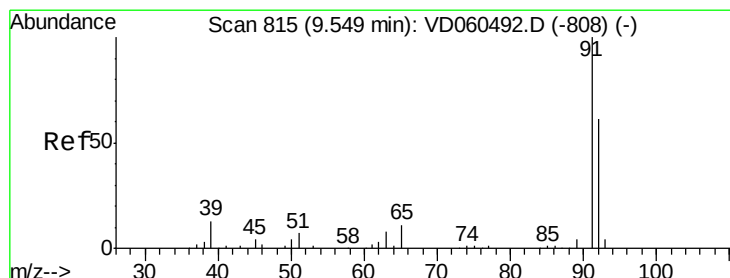
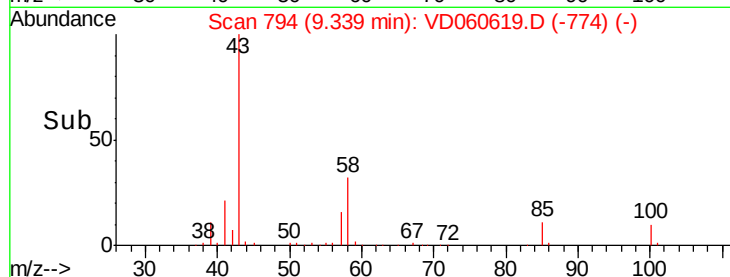
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 22.392 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion: 92 Resp: 681143

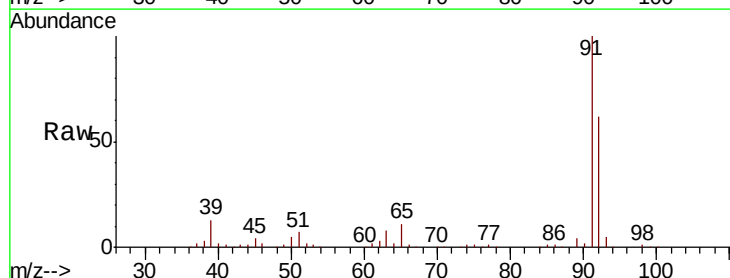
Ion Ratio Lower Upper

92 100

91 161.9

131.7

197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

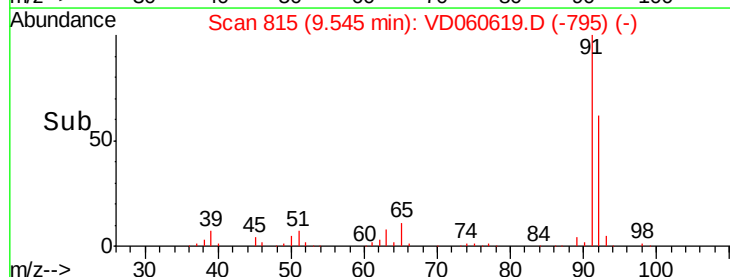
300000

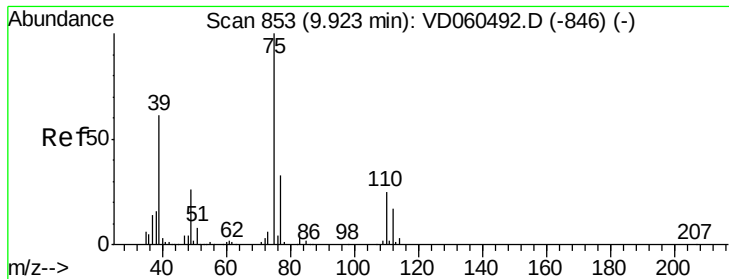
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 23.423 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 75 Resp: 317593

Ion Ratio Lower Upper

75 100

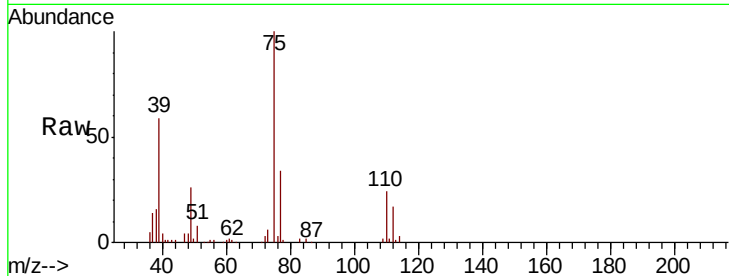
77 33.6 26.2 39.2

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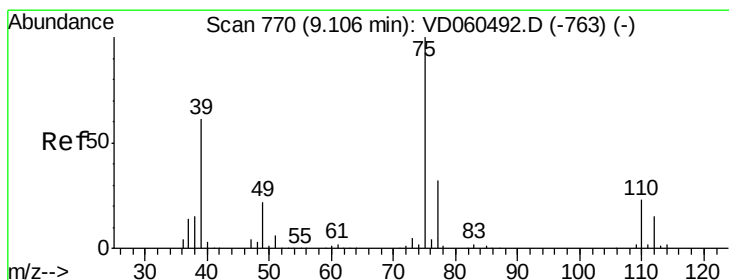
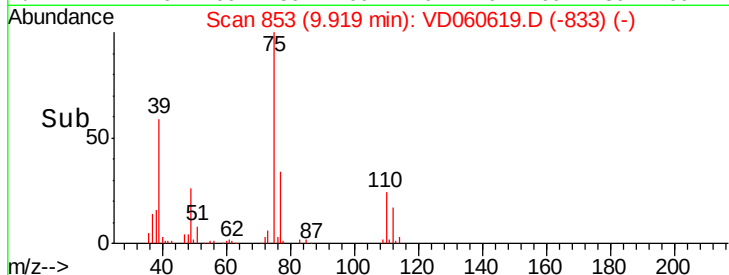
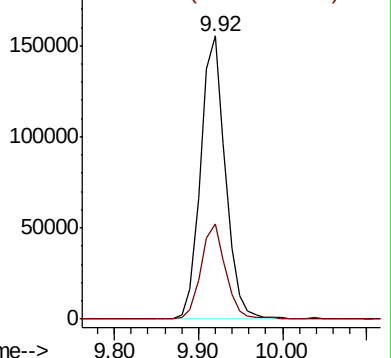
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.382 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

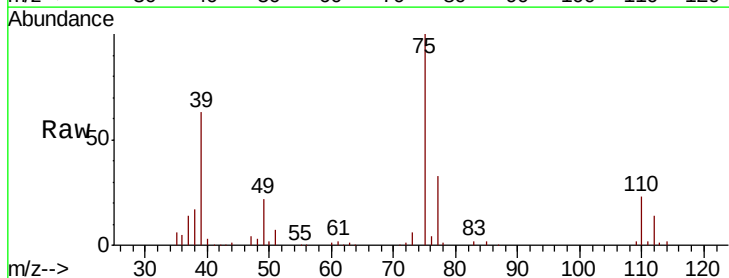
Tgt Ion: 75 Resp: 398717

Ion Ratio Lower Upper

75 100

77 33.4 25.6 38.4

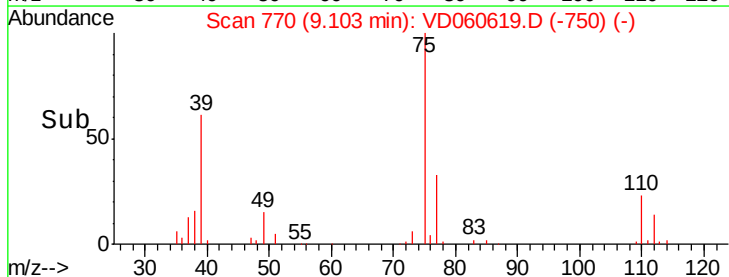
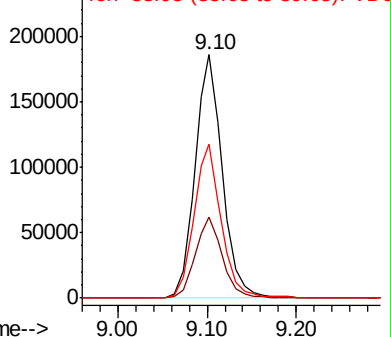
39 63.5 48.6 73.0

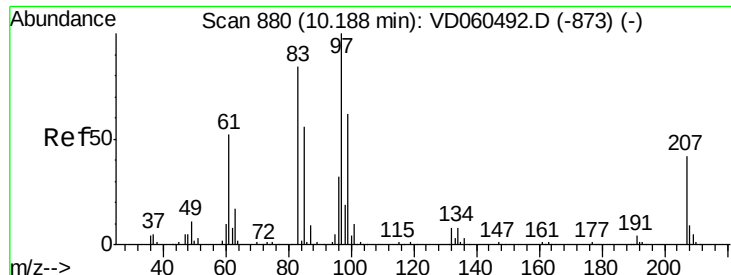


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





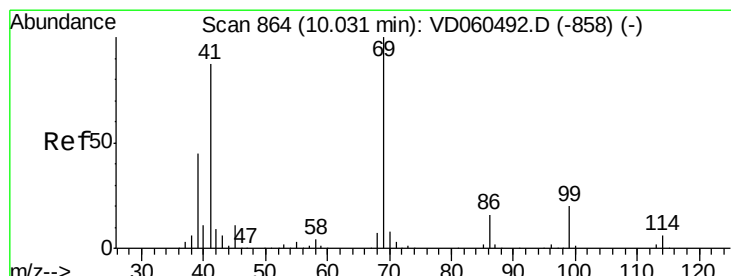
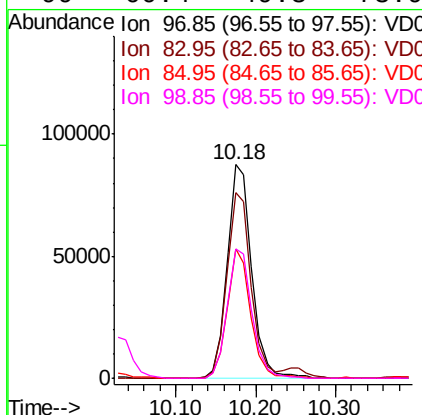
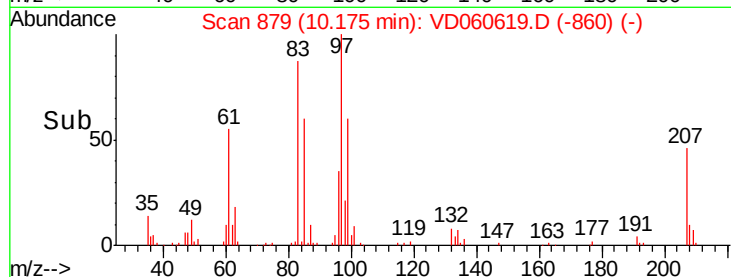
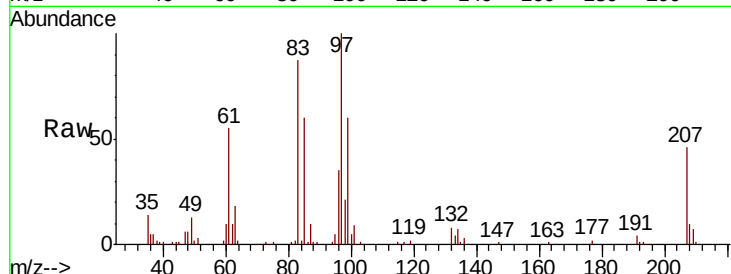
#55
 1,1,2-Trichloroethane
 Concen: 22.341 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

Tot Ion:	97	Resp:	189247
Ion Ratio	Lower	Upper	
97	100		
83	86.8	67.2	100.8
85	60.3	44.5	66.7
99	60.4	49.3	73.9

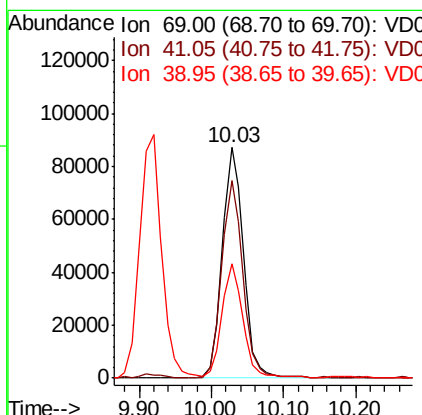
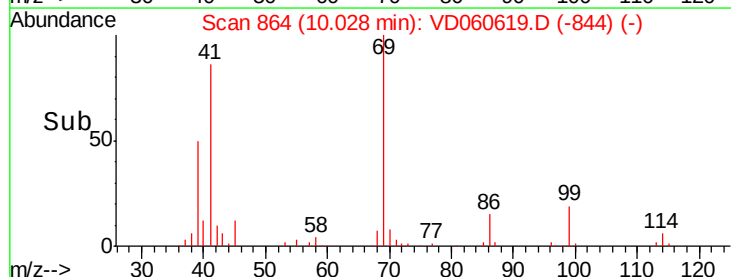
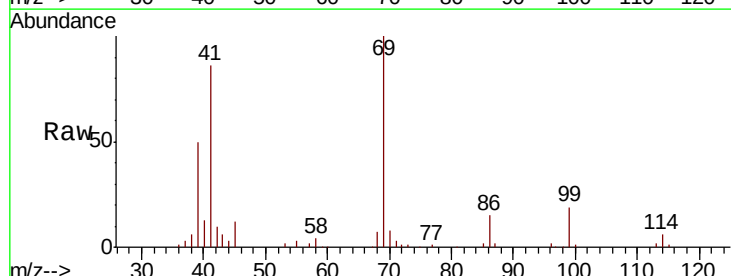
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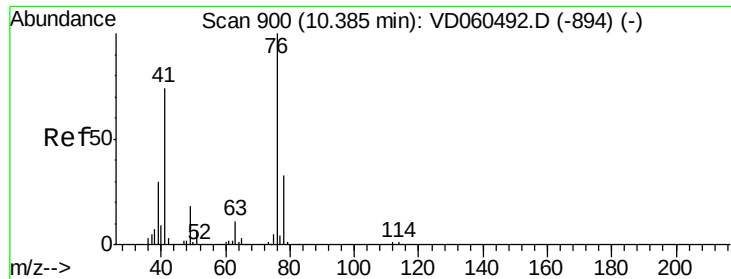
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#56
 Ethyl methacrylate
 Concen: 23.102 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion:	69	Resp:	177109
Ion Ratio	Lower	Upper	
69	100		
41	85.7	69.8	104.8
39	49.5	37.5	56.3





#57

1,3-Dichloropropane

Concen: 22.776 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 76 Resp: 298244

Ion Ratio Lower Upper

76 100

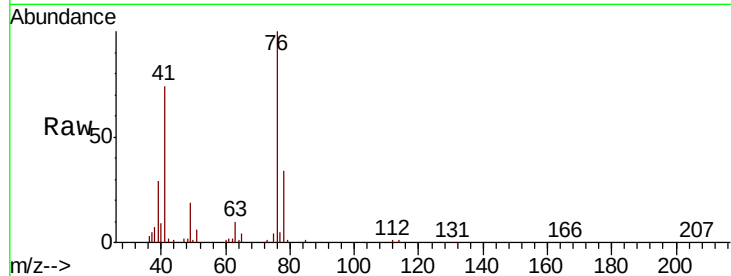
78 33.8 26.1 39.1

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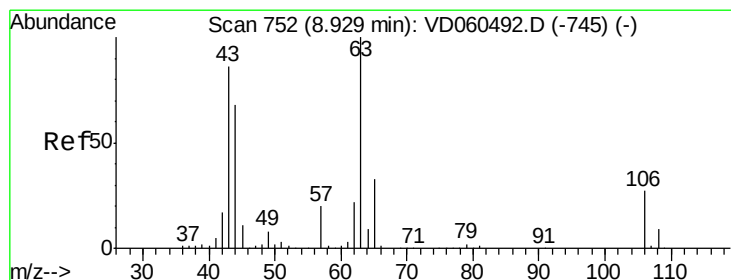
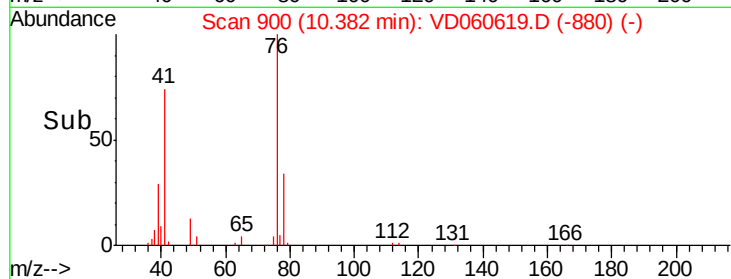
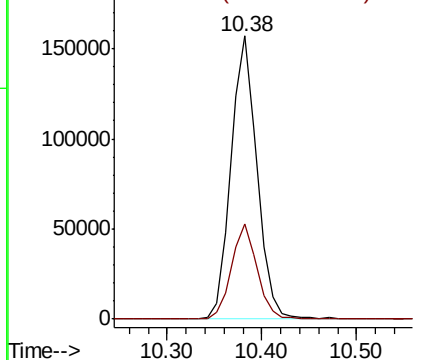
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 121.347 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.00 min

Lab File: VD060619.D

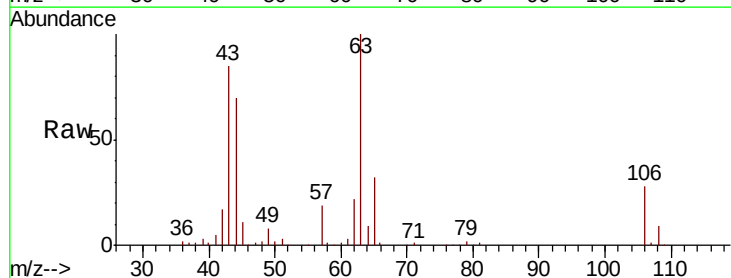
Acq: 18 Dec 2018 14:17

Tgt Ion: 63 Resp: 556637

Ion Ratio Lower Upper

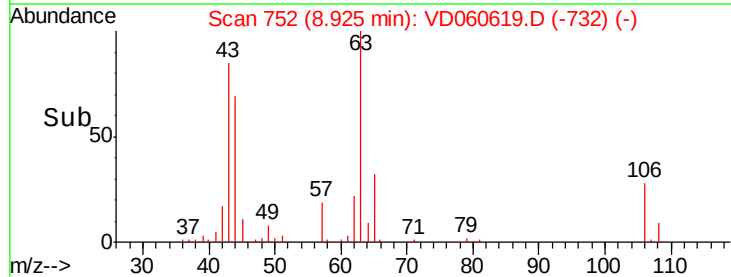
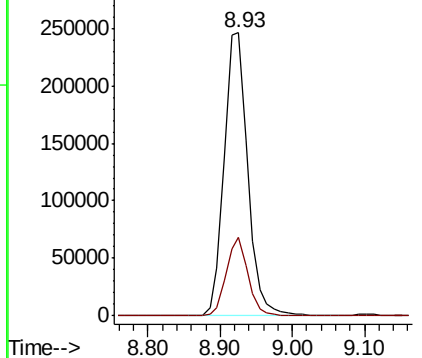
63 100

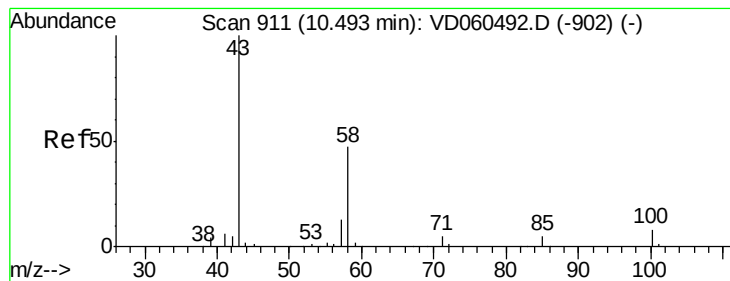
106 27.6 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





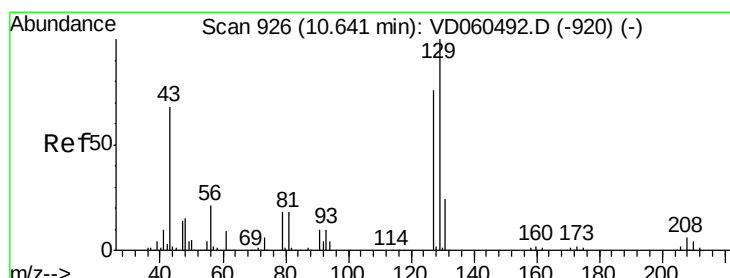
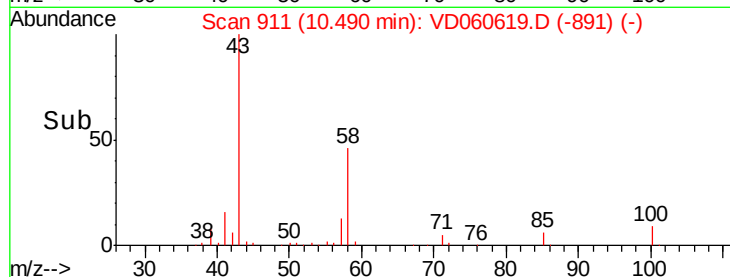
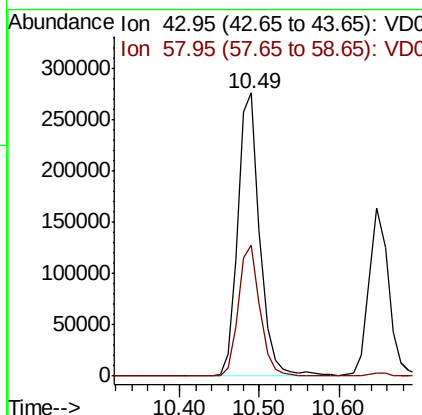
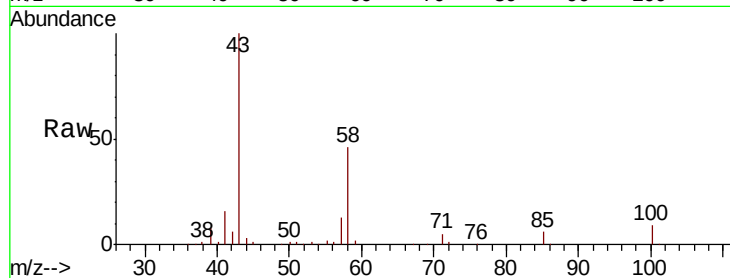
#59
2-Hexanone
Concen: 119.897 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion: 43 Resp: 531449
Ion Ratio Lower Upper
43 100
58 46.3 23.4 70.2

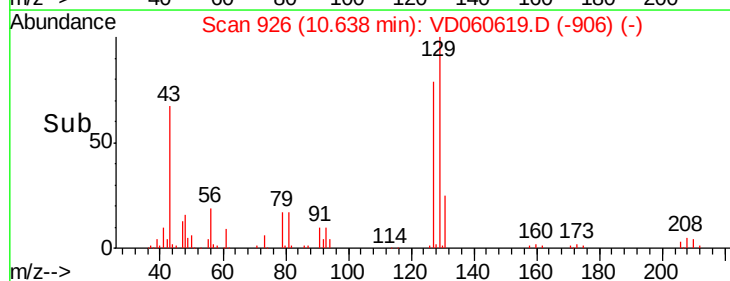
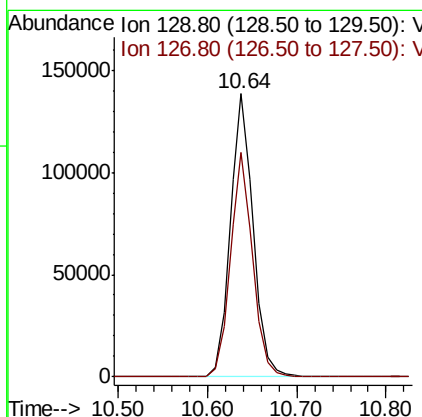
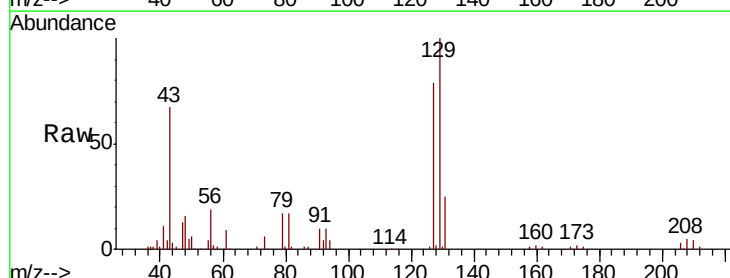
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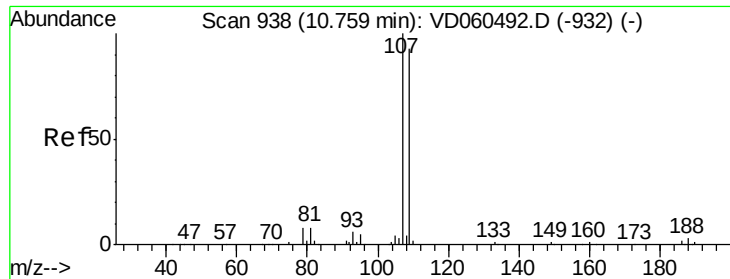
MMDadoda
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#60
Dibromochloromethane
Concen: 23.452 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion: 129 Resp: 248382
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.877 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion:107 Resp: 197494

Ion Ratio Lower Upper

107 100

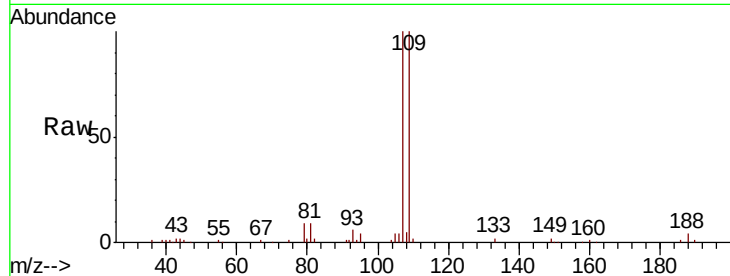
109 100.3 74.7 112.1

Manual Integrations

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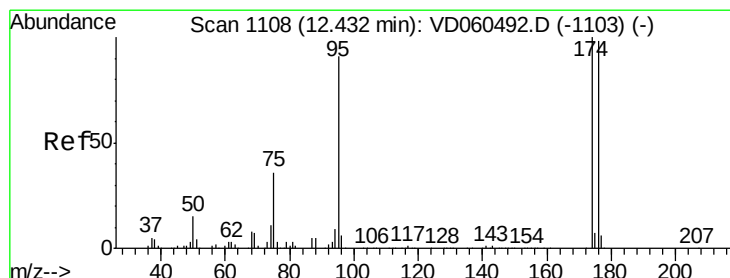
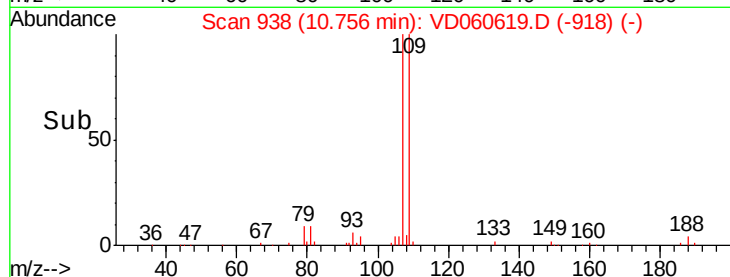
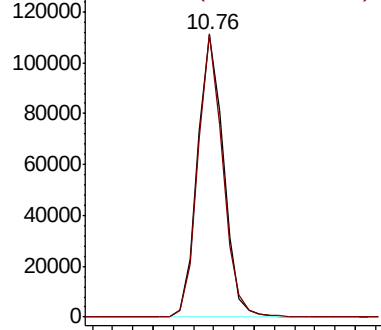
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.877 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

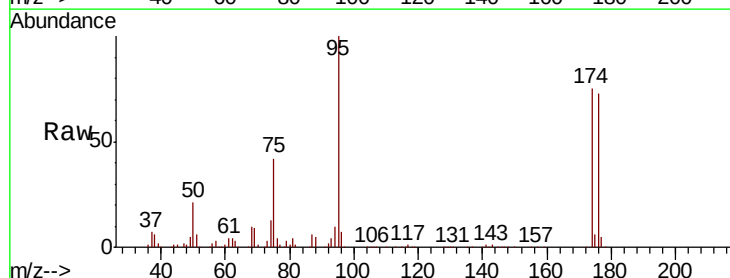
Tgt Ion: 95 Resp: 791592

Ion Ratio Lower Upper

95 100

174 75.0 0.0 219.4

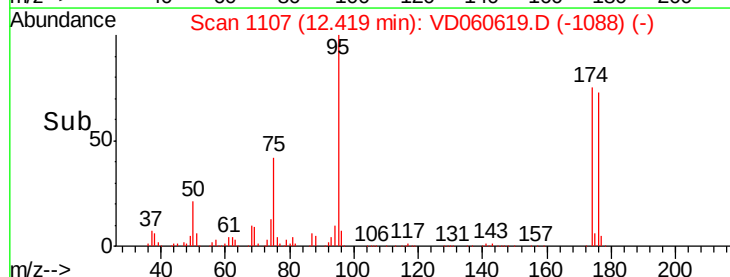
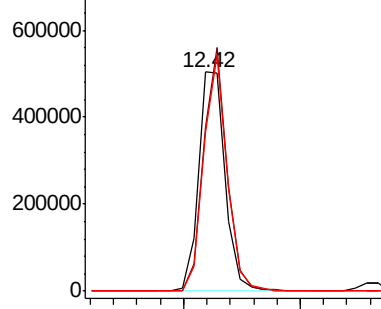
176 72.9 0.0 214.6

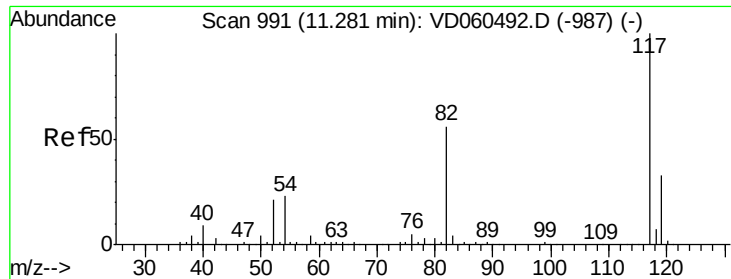


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





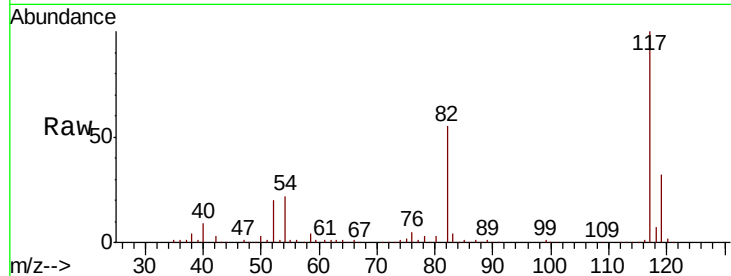
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

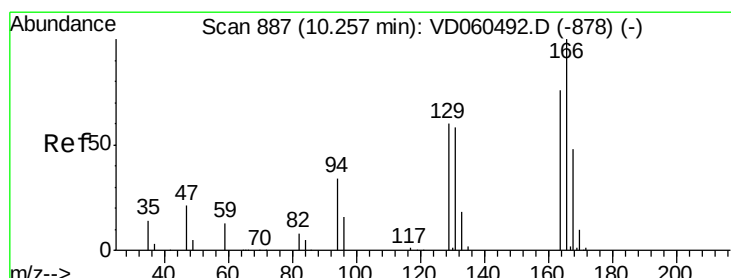
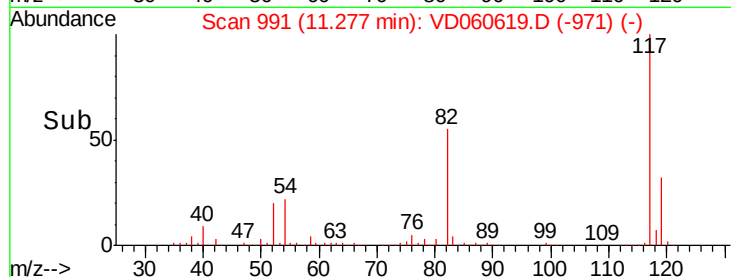
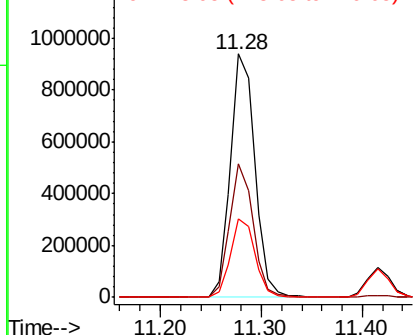
Tot Ion:117 Resp: 1584981
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.3 26.1 39.1

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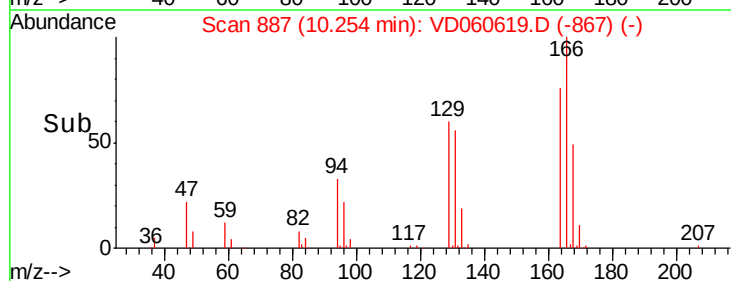
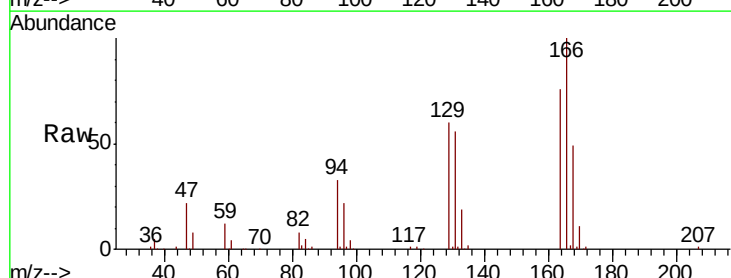
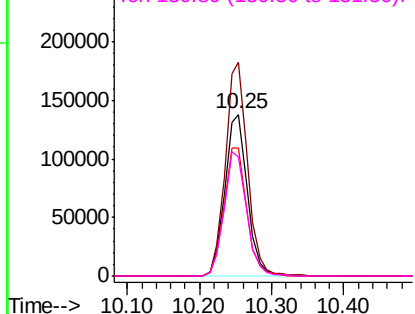
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

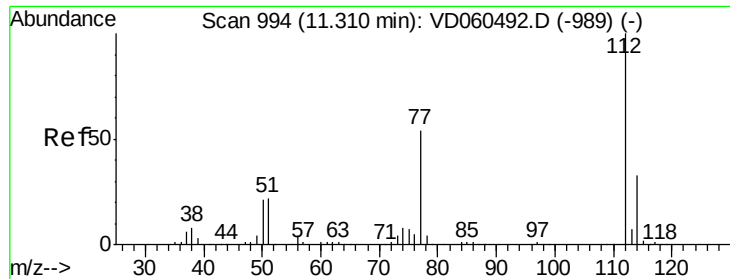


#64
Tetrachloroethene
Concen: 21.077 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion:164 Resp: 295817
Ion Ratio Lower Upper
164 100
166 132.3 105.0 157.6
129 79.6 63.0 94.4
131 74.0 60.6 90.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





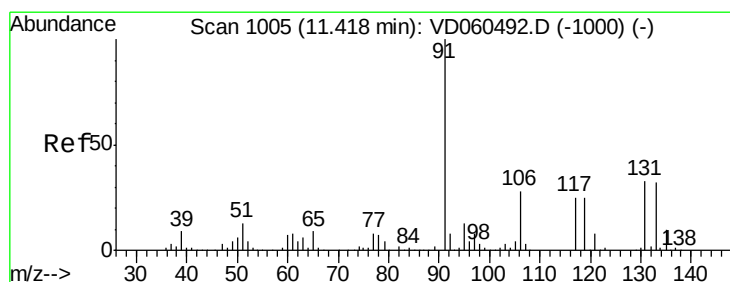
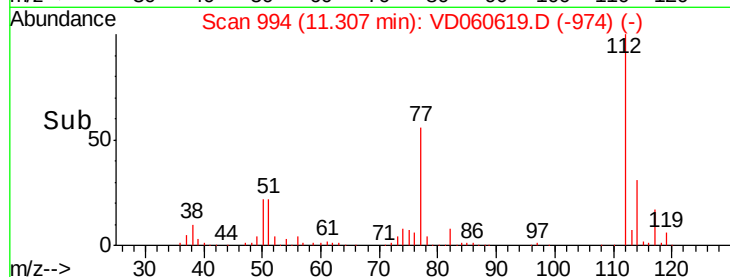
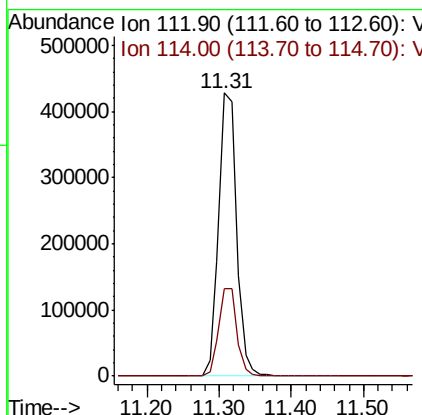
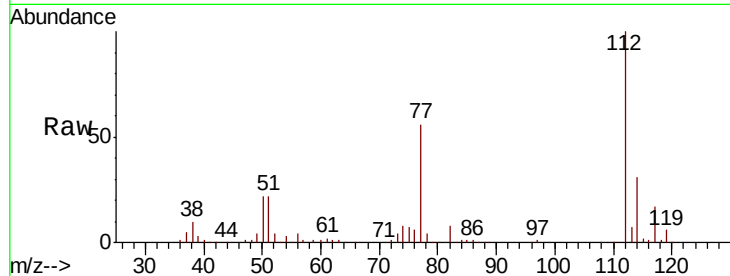
#65
Chlorobenzene
Concen: 21.958 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion:112 Resp: 736280
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.4

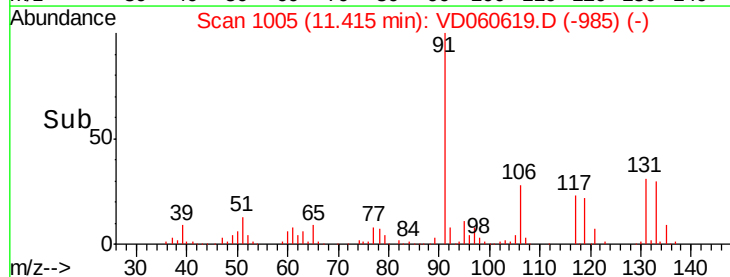
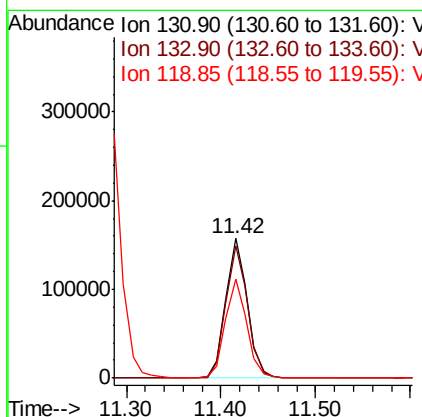
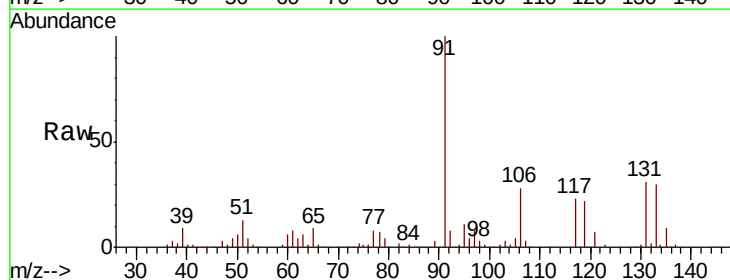
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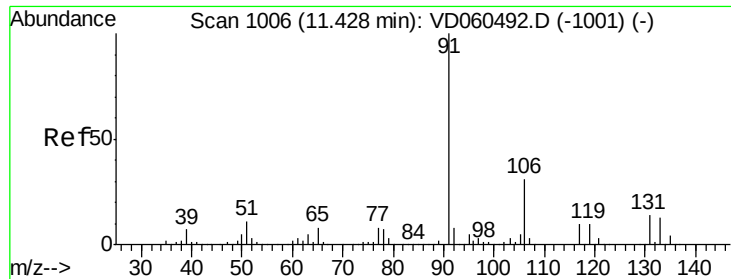
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.004 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion:131 Resp: 248614
Ion Ratio Lower Upper
131 100
133 94.8 49.1 147.3
119 71.0 37.5 112.3





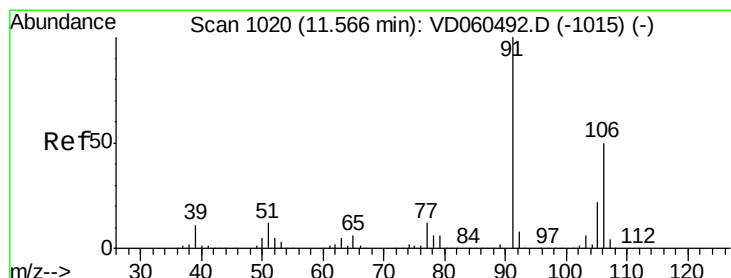
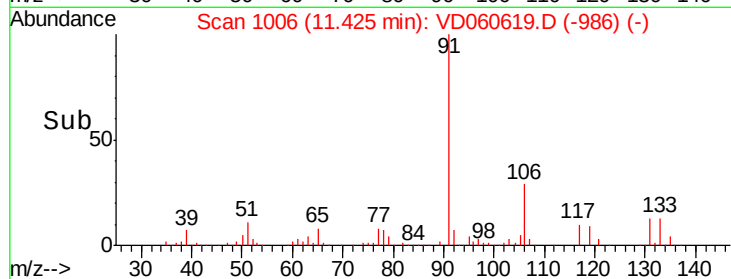
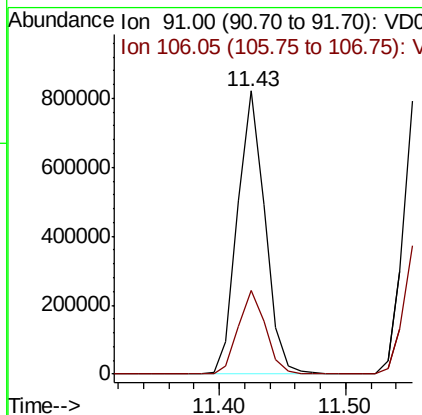
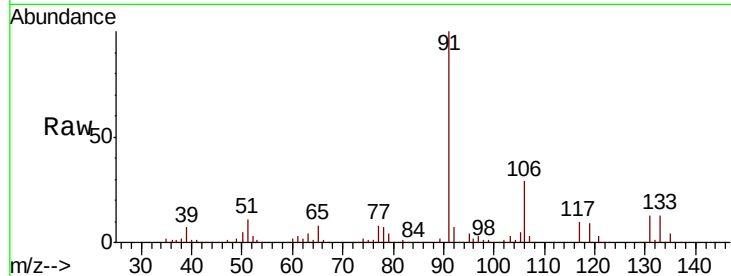
#67
Ethyl Benzene
Concen: 21.584 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion: 91 Resp: 1234477
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0

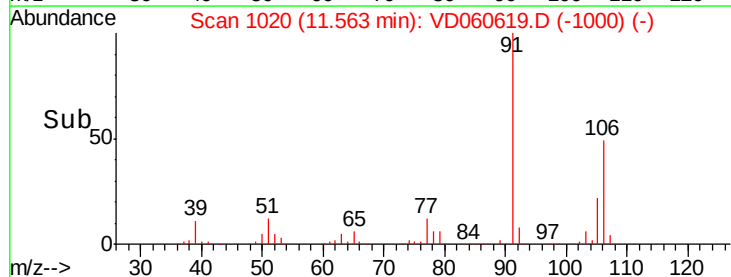
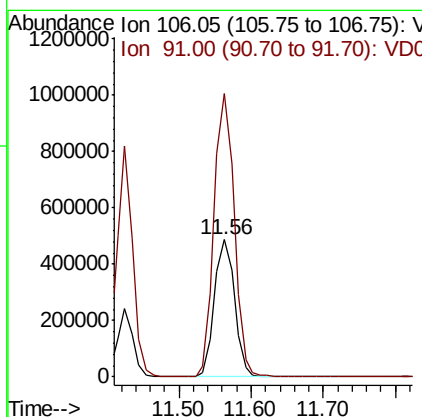
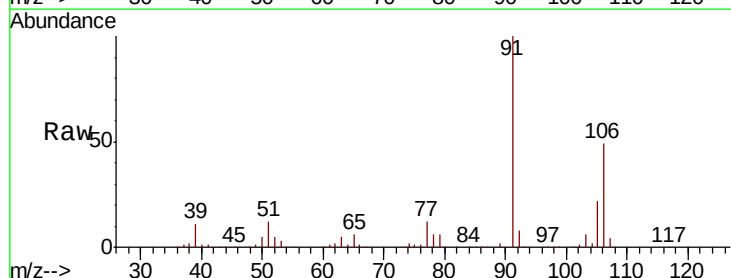
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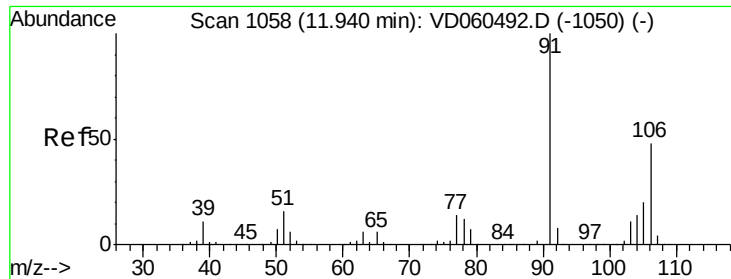
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#68
m/p-Xylenes
Concen: 44.459 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion: 106 Resp: 940724
Ion Ratio Lower Upper
106 100
91 206.0 160.5 240.7





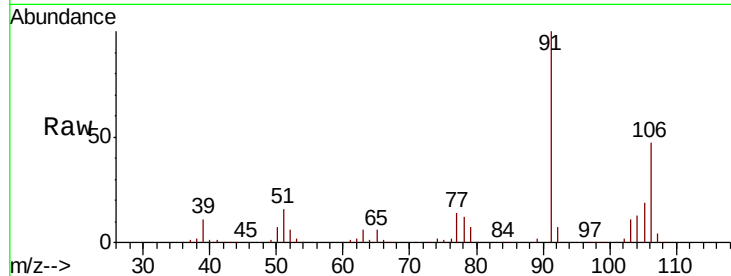
#69
o-Xylene
Concen: 21.977 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

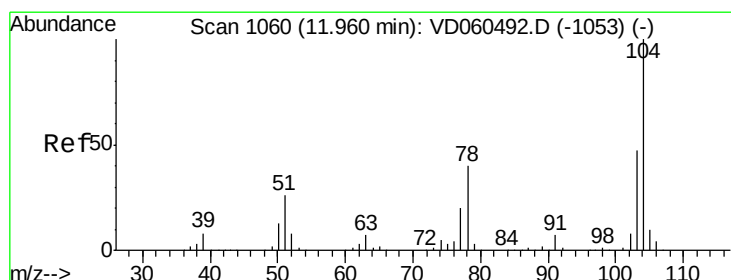
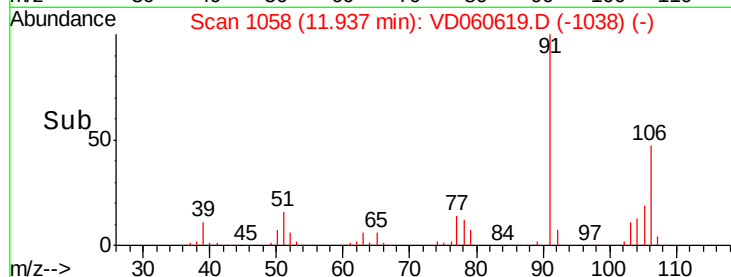
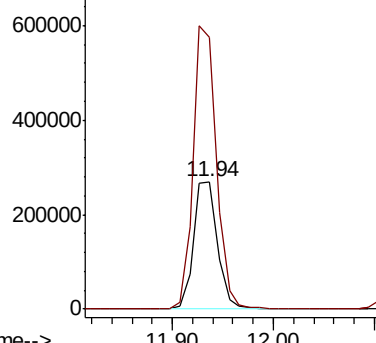
Tot Ion:106 Resp: 443169
Ion Ratio Lower Upper
106 100
91 213.5 103.4 310.1

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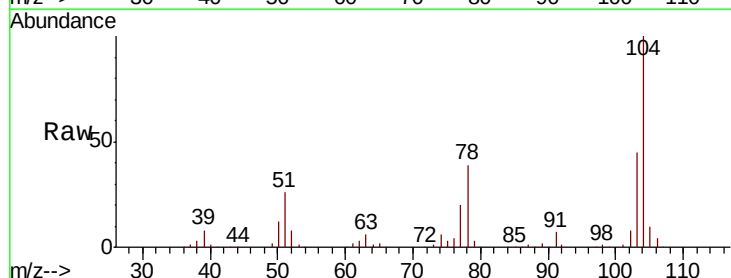


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

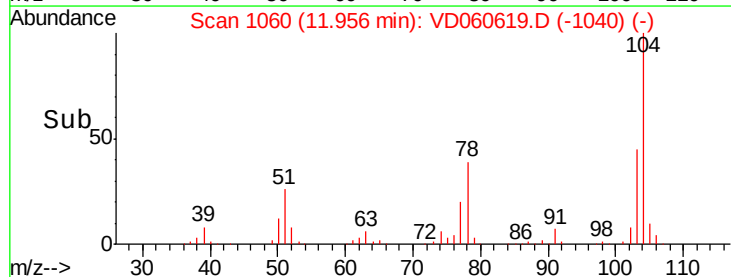
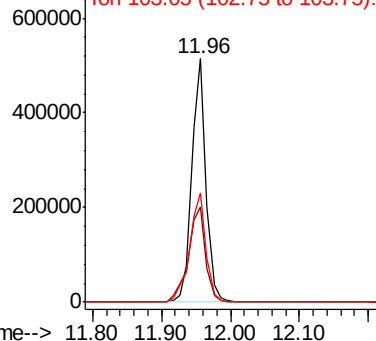


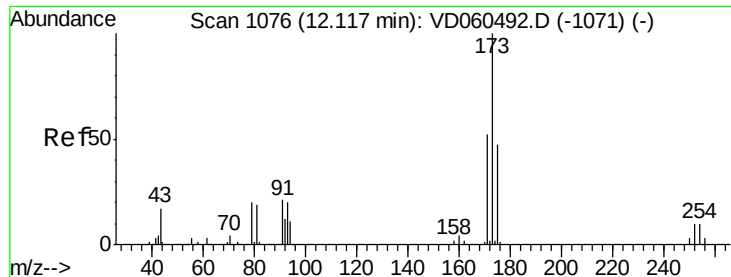
#70
Styrene
Concen: 22.541 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion:104 Resp: 729574
Ion Ratio Lower Upper
104 100
78 39.3 32.1 48.1
103 44.9 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





#71

Bromoform

Concen: 23.049 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

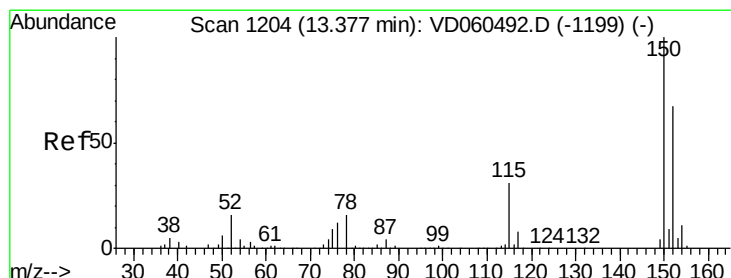
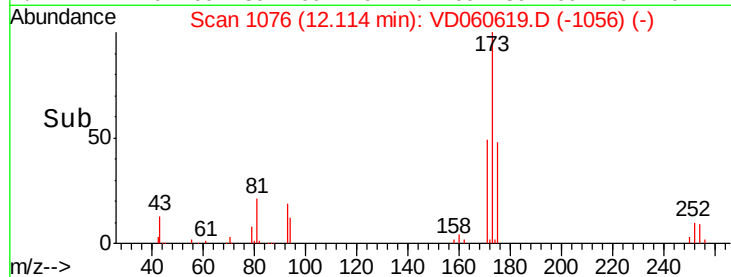
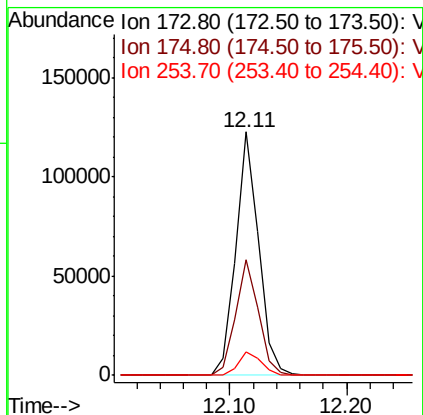
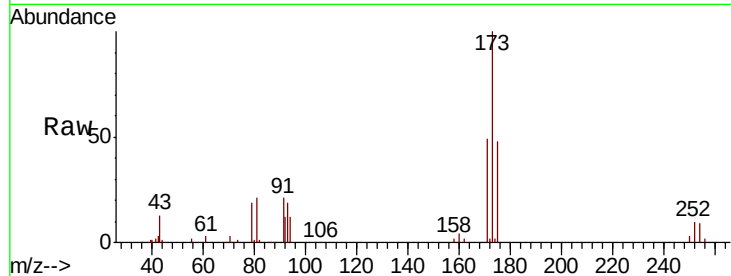
ClientSampleId :

VD1218SBS01

Tot Ion:	173	Resp:	166194
Ion Ratio	Lower	Upper	
173	100		
175	47.5	23.5	70.6
254	9.4	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

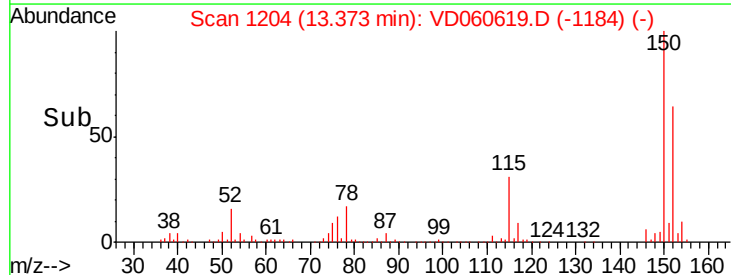
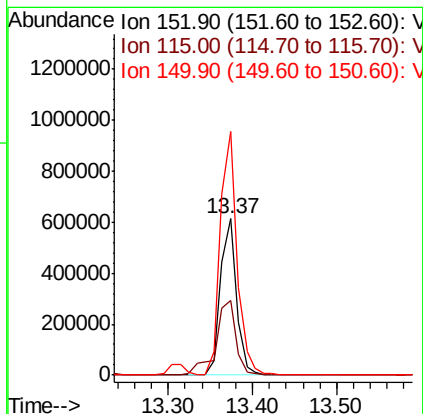
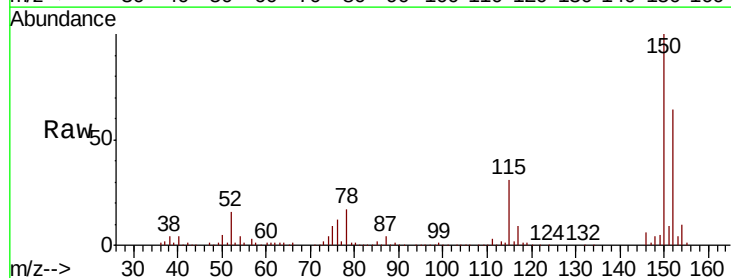
RT: 13.37 min Scan# 1204

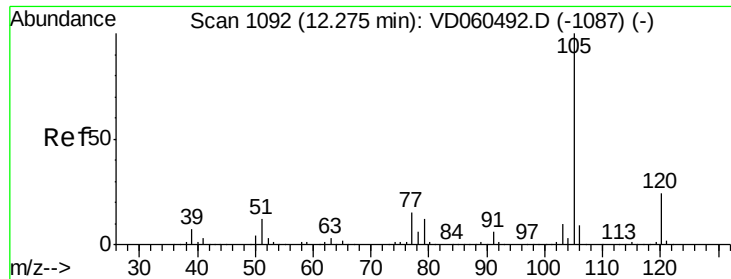
Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion:	152	Resp:	815323
Ion Ratio	Lower	Upper	
152	100		
115	47.9	24.6	74.0
150	155.6	0.0	309.0





#73

Isopropylbenzene

Concen: 21.639 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion:105 Resp: 1248477

Ion Ratio Lower Upper

105 100

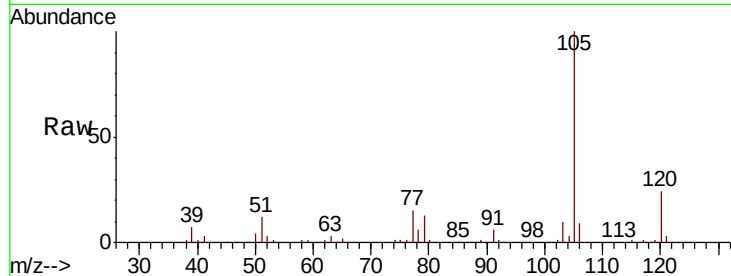
120 23.9 11.9 35.9

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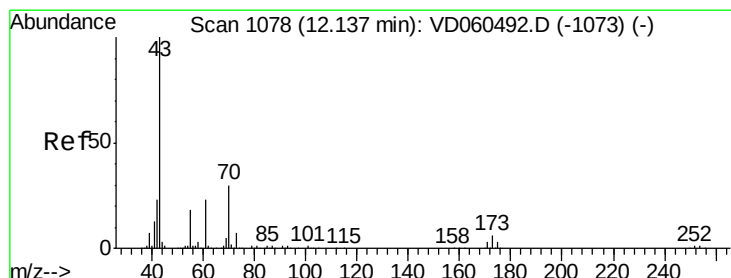
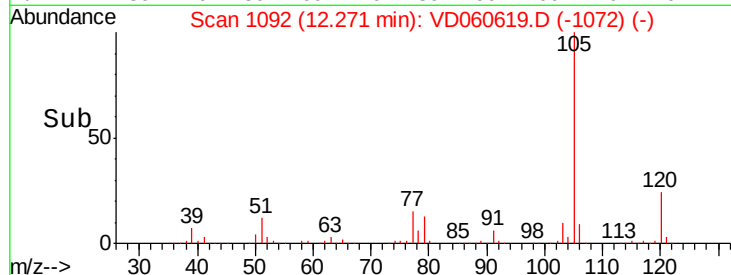
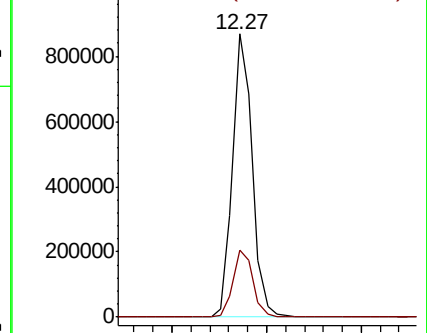
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.652 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion: 43 Resp: 315860

Ion Ratio Lower Upper

43 100

70 28.7 23.8 35.8

55 17.5 14.2 21.2

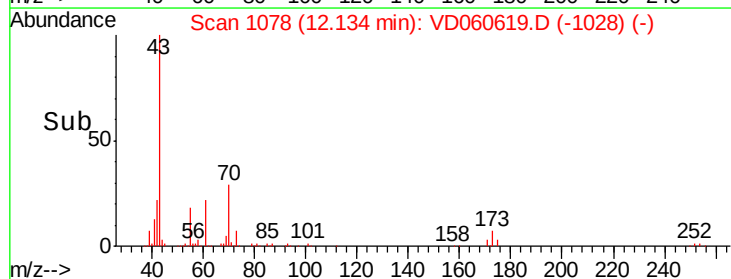
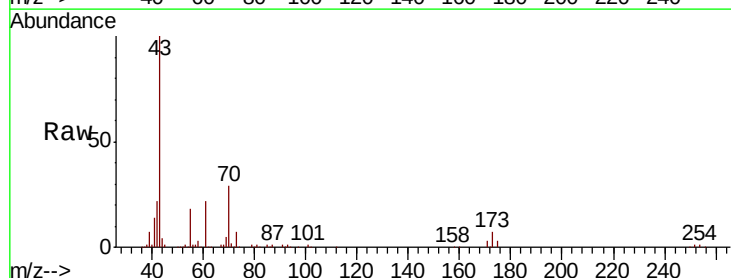
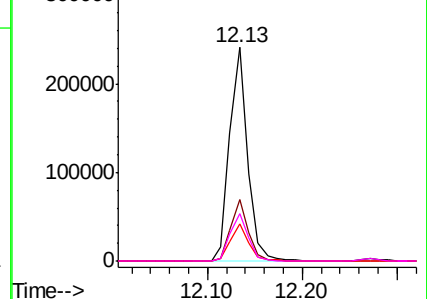
61 22.1 18.1 27.1

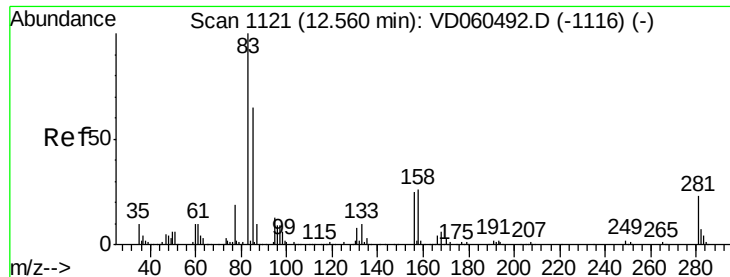
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.680 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 83 Resp: 209481

Ion Ratio Lower Upper

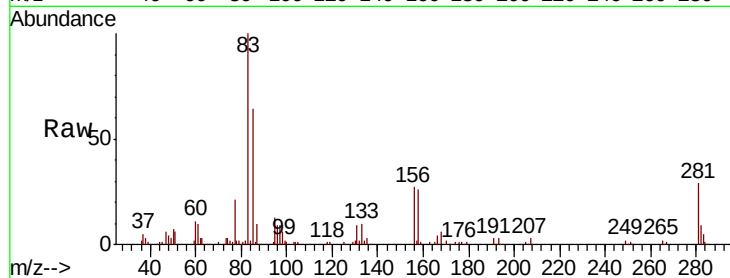
83 100

131 8.8 3.8 11.4

85 64.3 32.3 96.9

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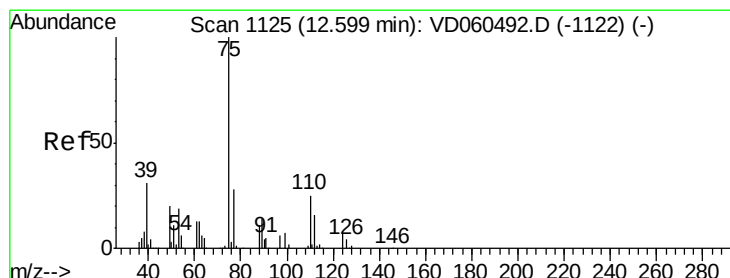
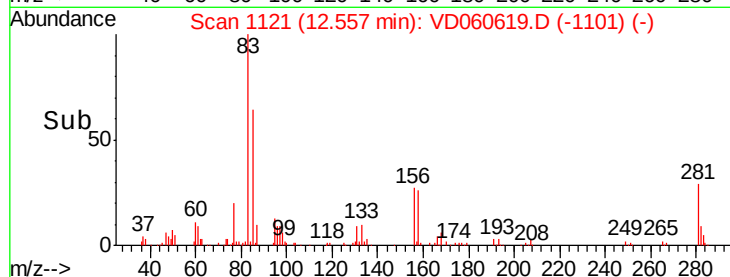
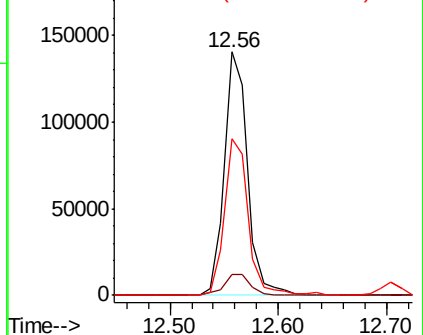
MMDadoda
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.734 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060619.D

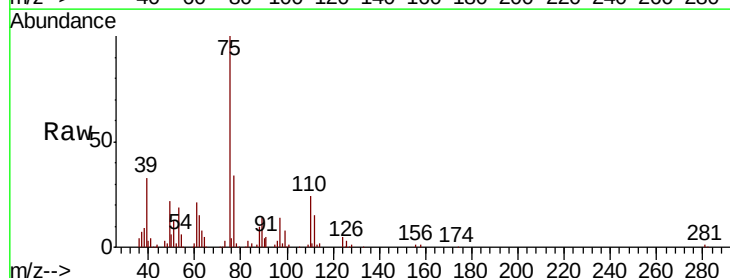
Acq: 18 Dec 2018 14:17

Tgt Ion: 75 Resp: 210016

Ion Ratio Lower Upper

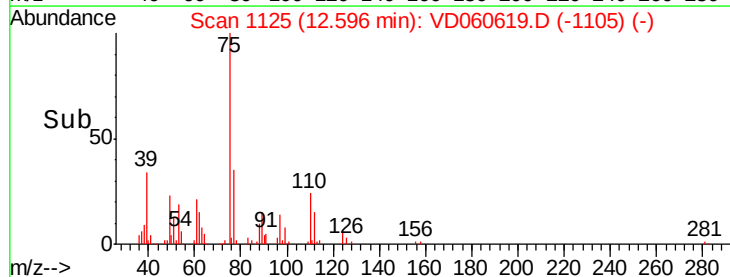
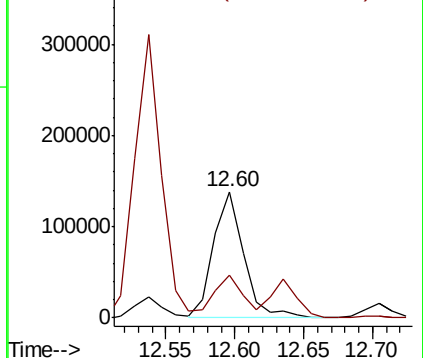
75 100

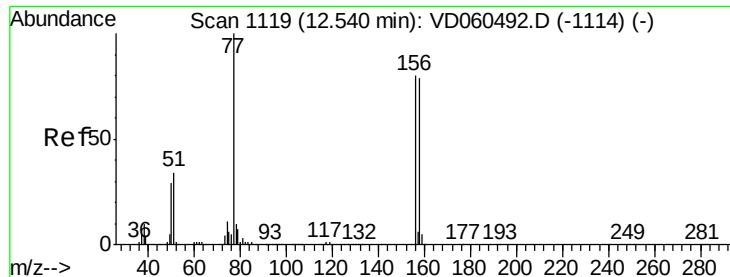
77 33.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.912 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

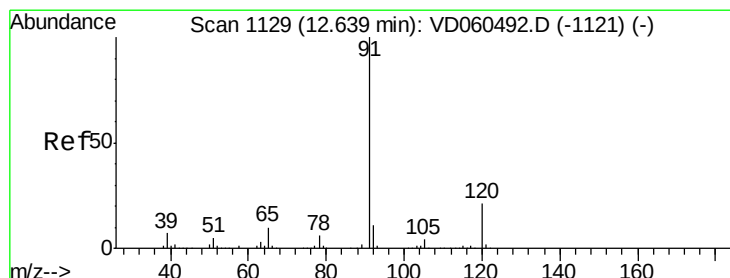
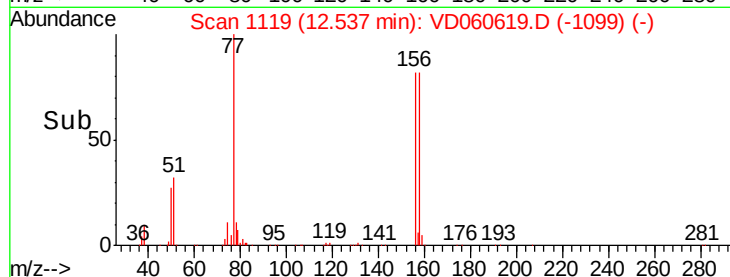
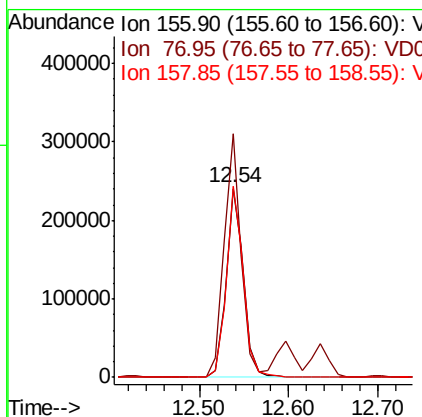
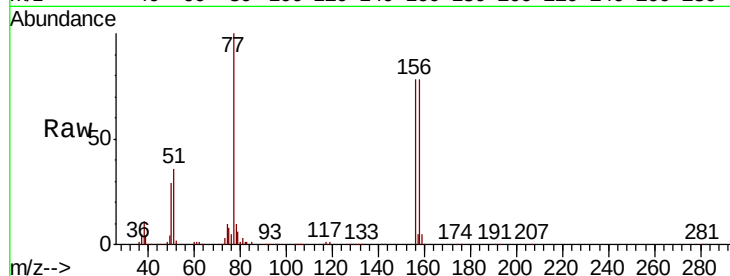
ClientSampleId :

VD1218SBSD01

Tot Ion:	156	Resp:	332305
Ion Ratio	Lower	Upper	
156	100		
77	128.9	62.5	187.6
158	101.1	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.614 ug/l

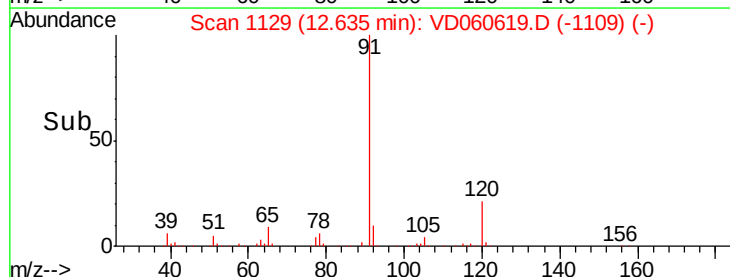
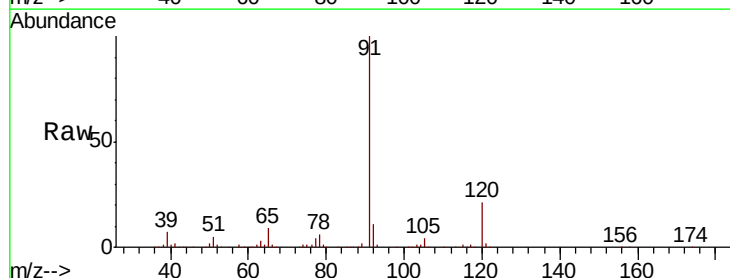
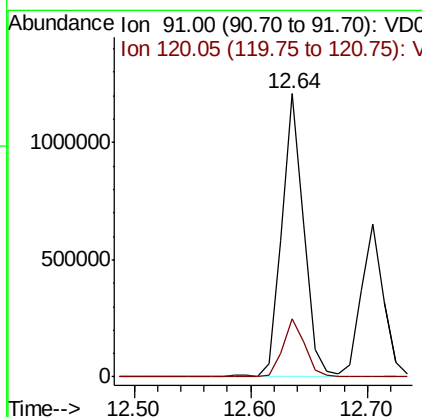
RT: 12.64 min Scan# 1129

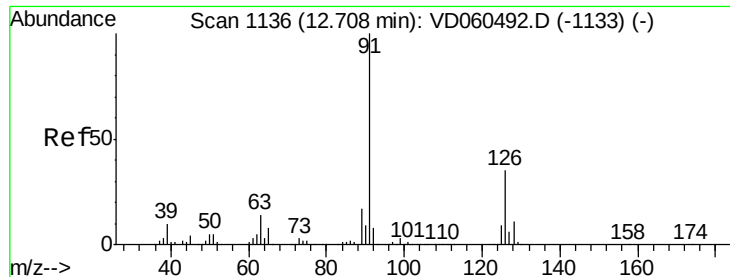
Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Tgt Ion:	91	Resp:	1576323
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.4	31.1





#79

2-Chlorotoluene

Concen: 21.949 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion: 91 Resp: 868619

Ion Ratio Lower Upper

91 100

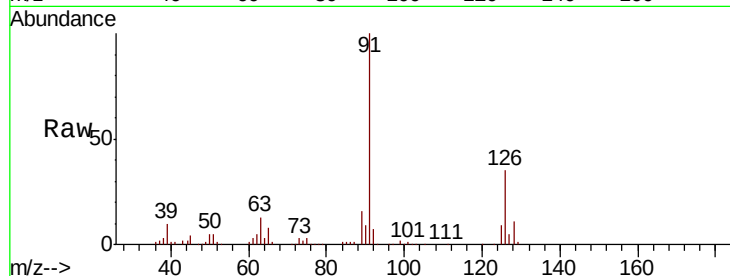
126 35.1 17.3 52.0

Manual Integrations

APPROVED

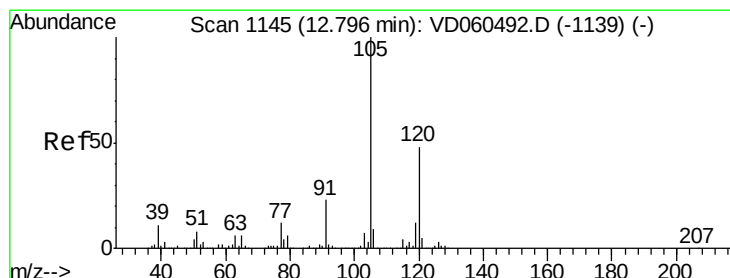
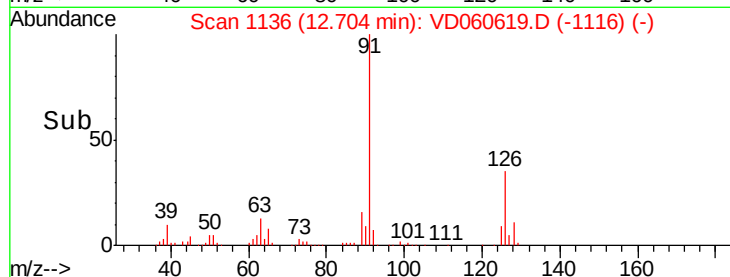
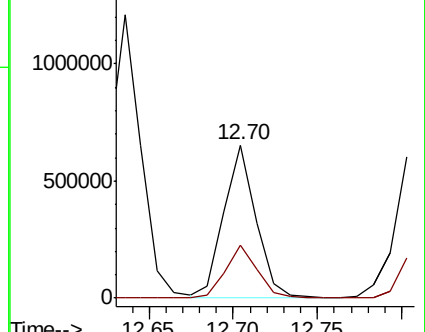
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.126 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060619.D

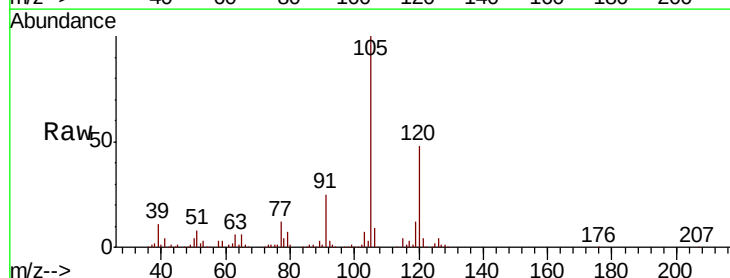
Acq: 18 Dec 2018 14:17

Tgt Ion: 105 Resp: 975427

Ion Ratio Lower Upper

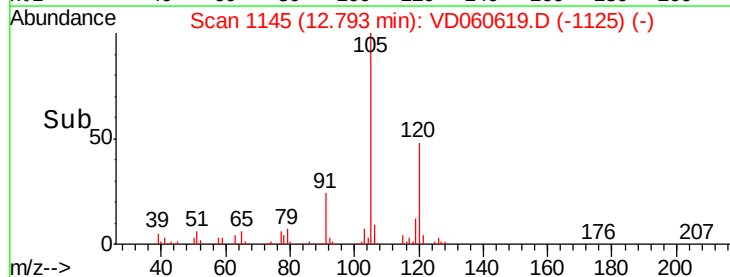
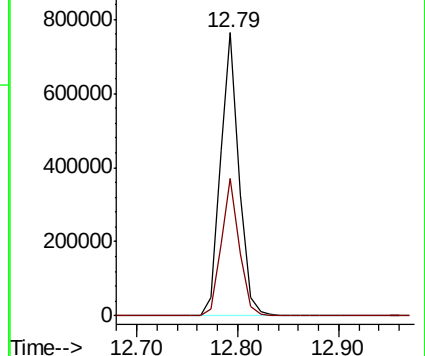
105 100

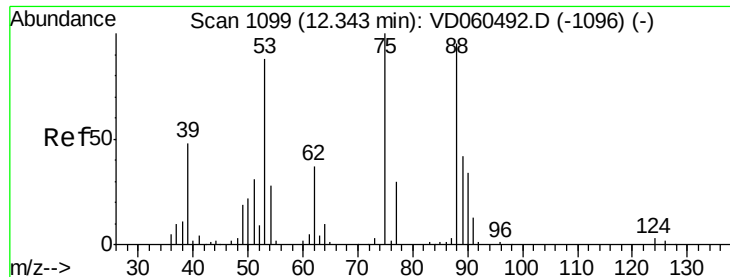
120 48.4 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





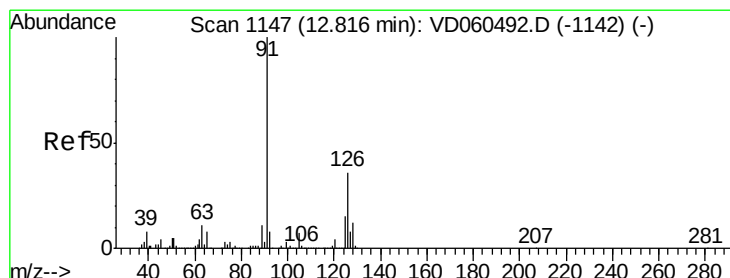
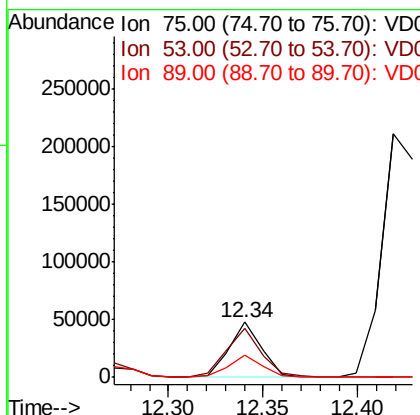
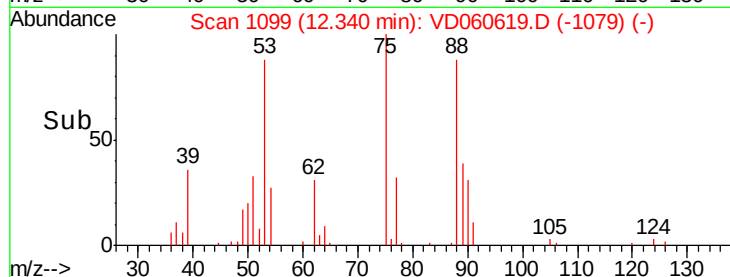
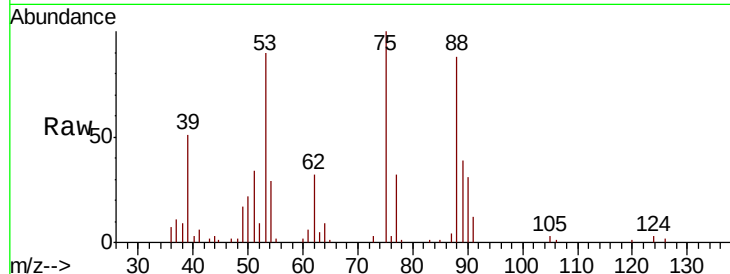
#81
trans-1,4-Dichloro-2-butene
Concen: 22.137 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	70.5	105.7
89	39.4	33.6	50.4

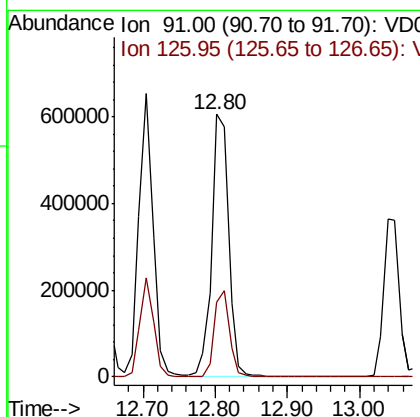
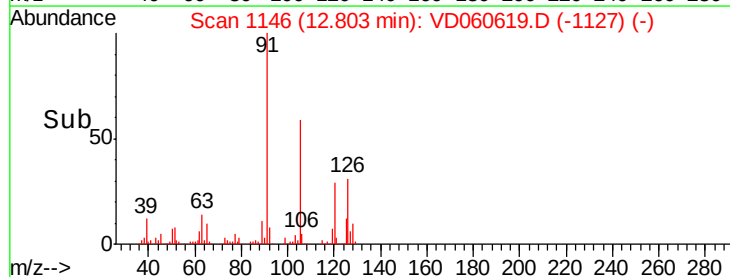
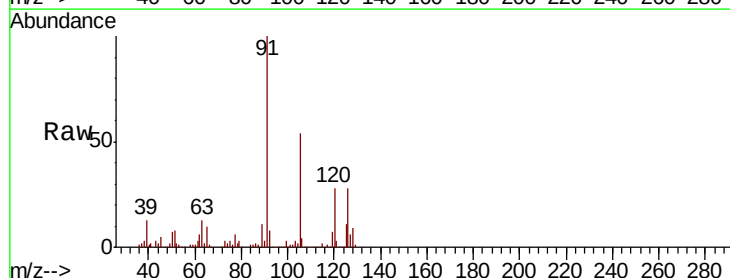
Manual Integrations
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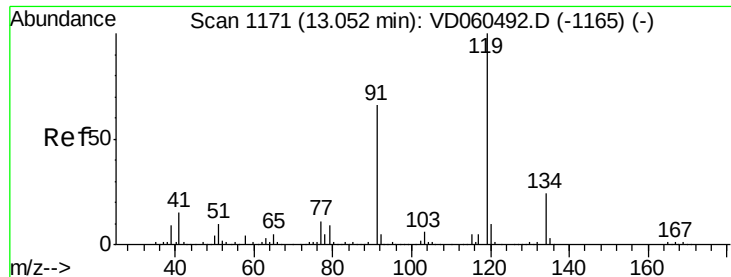
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#82
4-Chlorotoluene
Concen: 21.909 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	17.8	53.4





#83

tert-Butylbenzene

Concen: 21.882 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBSD01

Tot Ion:119 Resp: 1081656

Ion Ratio Lower Upper

119 100

91 64.6 33.1 99.2

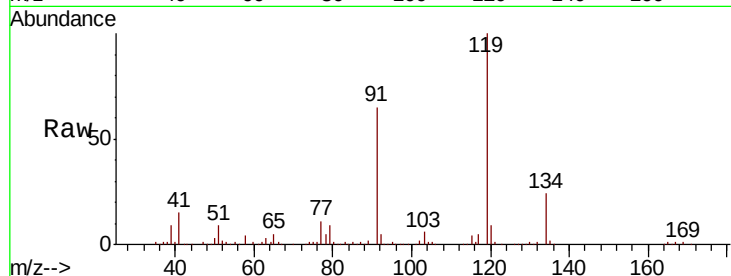
134 24.1 12.0 36.0

Manual Integrations

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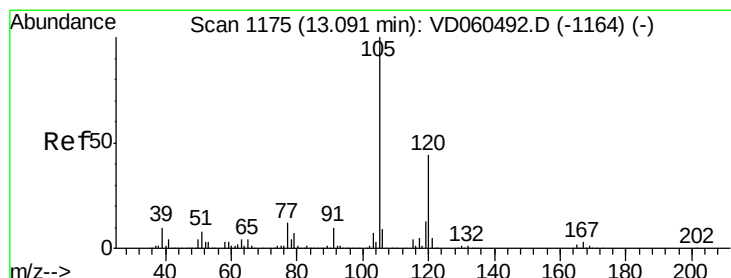
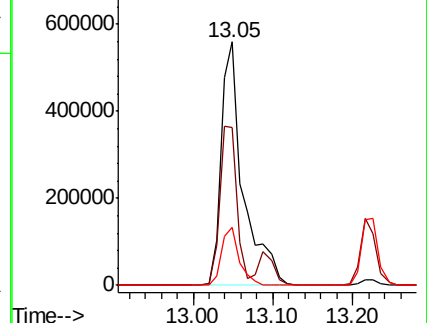
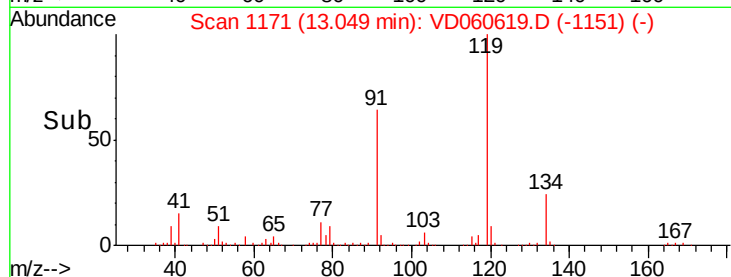
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.872 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060619.D

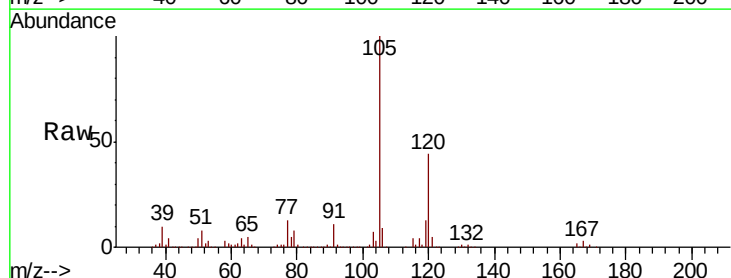
Acq: 18 Dec 2018 14:17

Tgt Ion:105 Resp: 998441

Ion Ratio Lower Upper

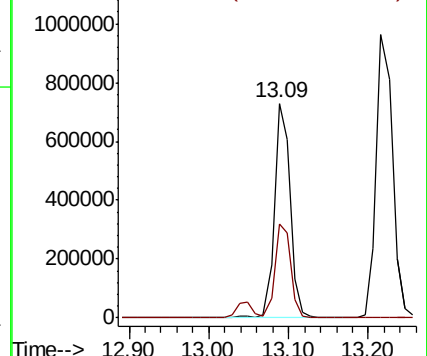
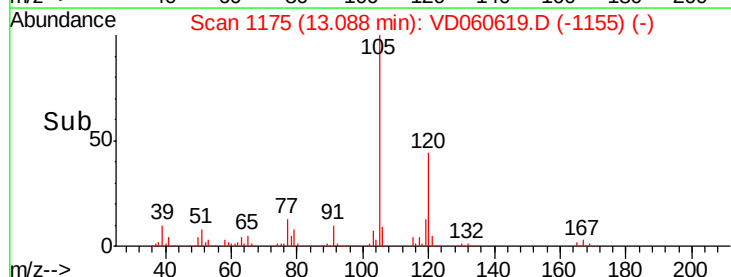
105 100

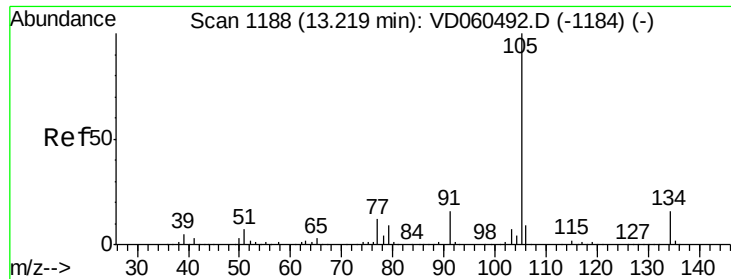
120 43.9 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.744 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBS01

Tot Ion:105 Resp: 1339628

Ion Ratio Lower Upper

105 100

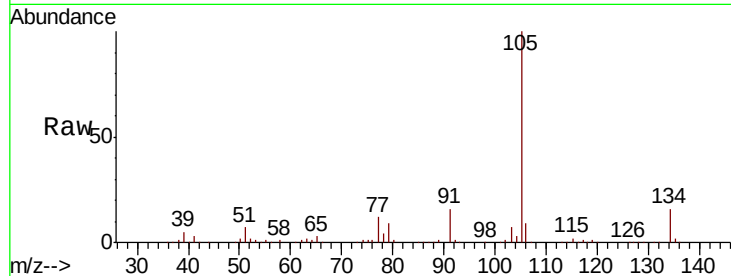
134 15.6 7.9 23.7

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.22

1000000

800000

600000

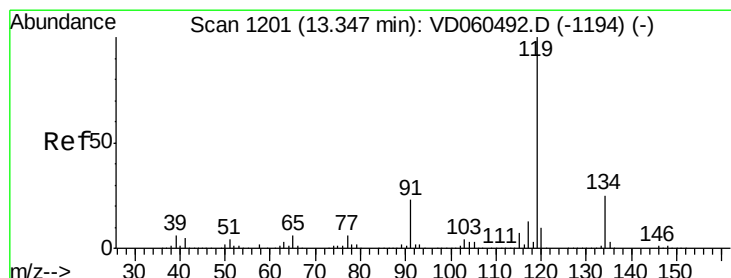
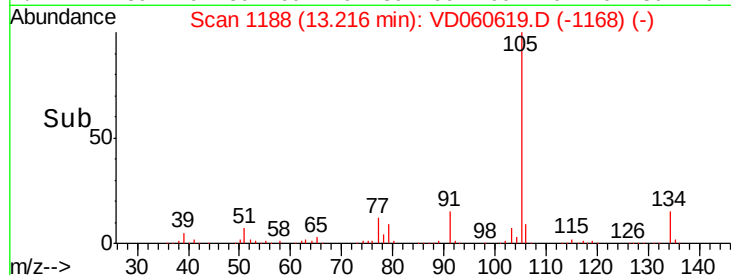
400000

200000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 22.284 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD060619.D

Acq: 18 Dec 2018 14:17

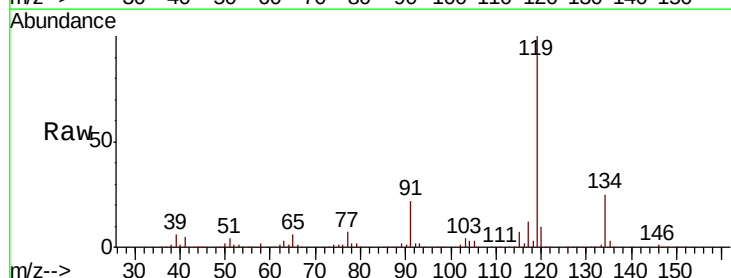
Tgt Ion:119 Resp: 1088304

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 22.1 11.5 34.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

13.34

1000000

800000

600000

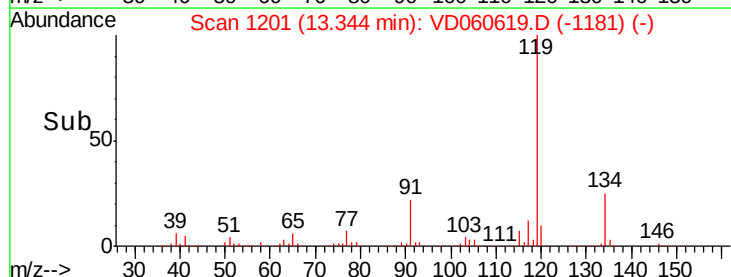
400000

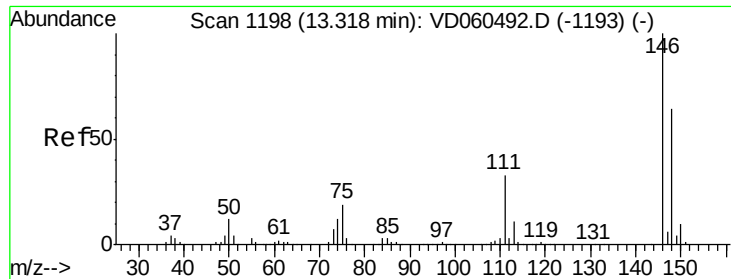
200000

0

13.20 13.30 13.40 13.50

Time-->





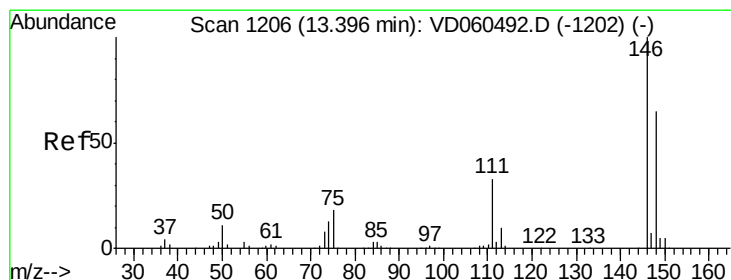
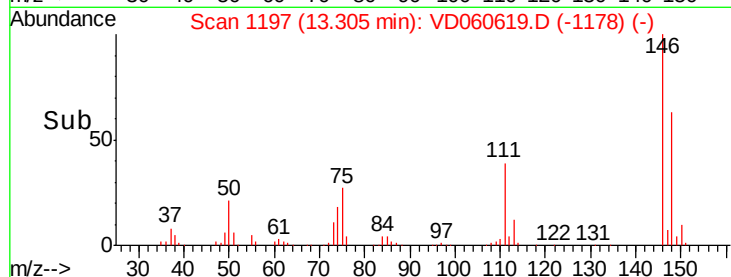
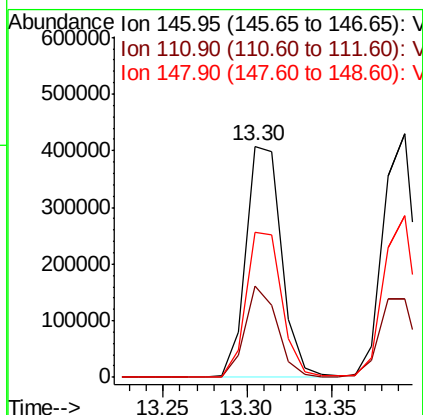
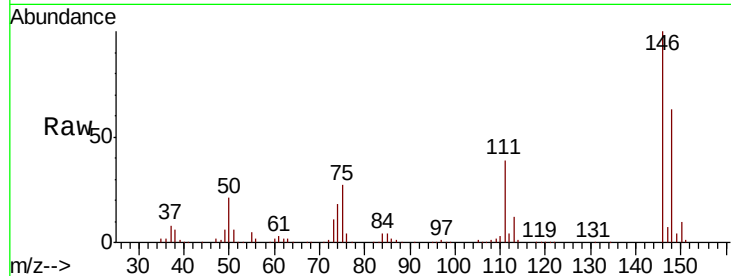
#87
 1,3-Dichlorobenzene
 Concen: 21.899 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	16.5	49.5
148	62.8	32.3	96.8

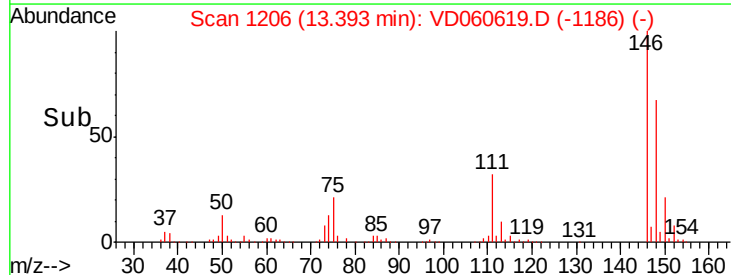
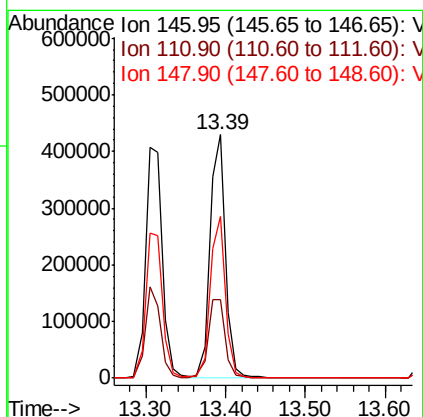
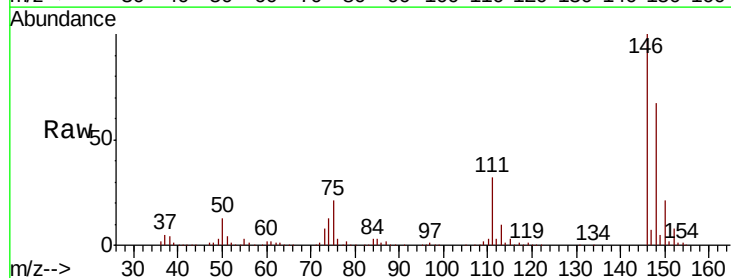
Manual Integrations
 APPROVED

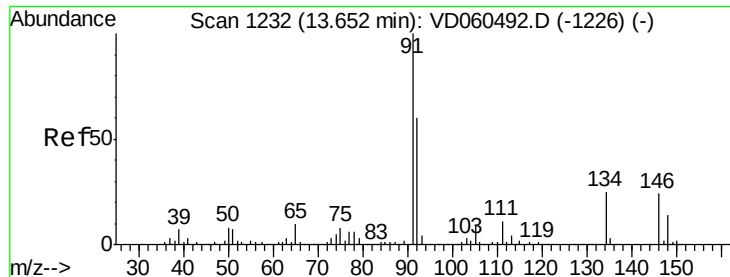
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#88
 1,4-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.0	16.4	49.1
148	66.6	32.6	98.0





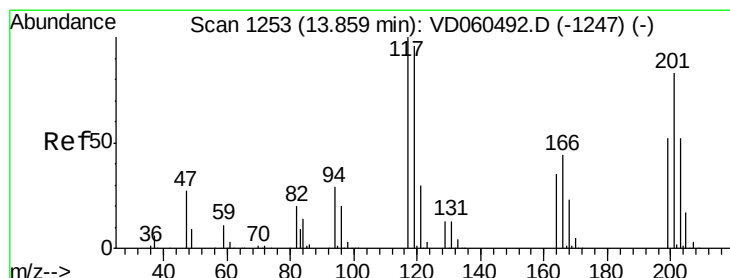
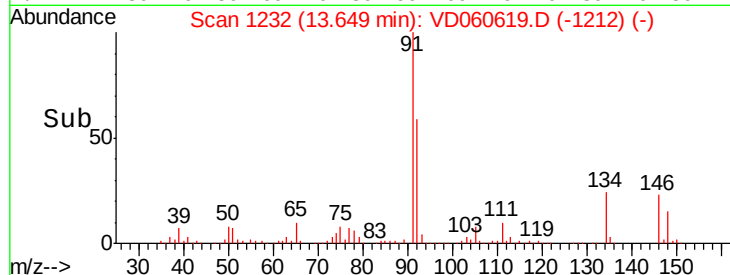
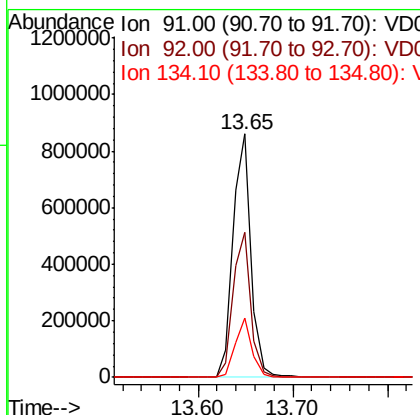
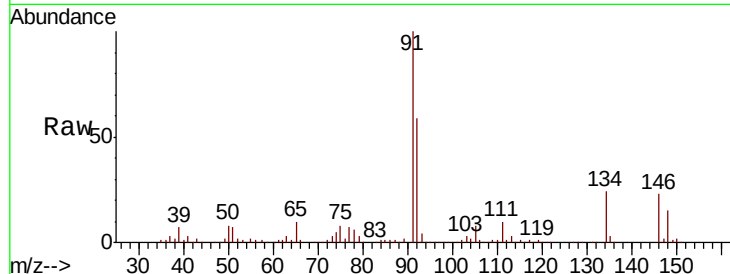
#89
n-Butylbenzene
Concen: 20.783 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion: 91 Resp: 1126962
Ion Ratio Lower Upper
91 100
92 59.4 30.0 90.1
134 24.4 12.5 37.5

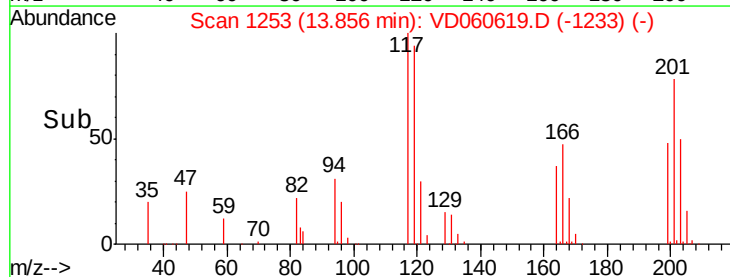
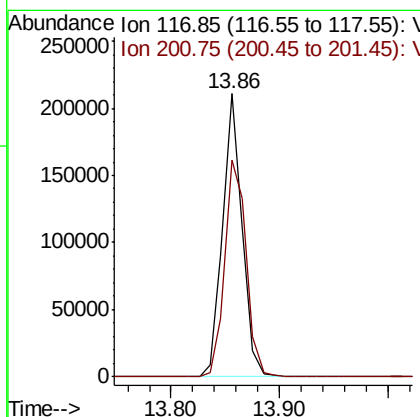
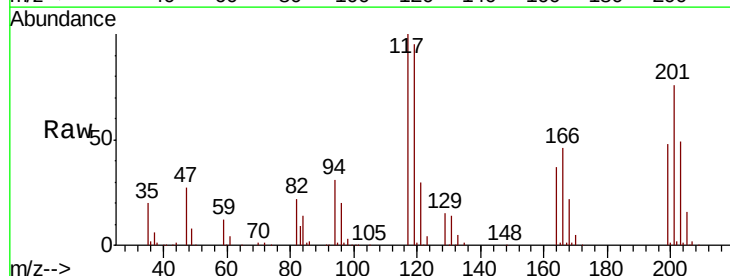
Manual Integrations
APPROVED

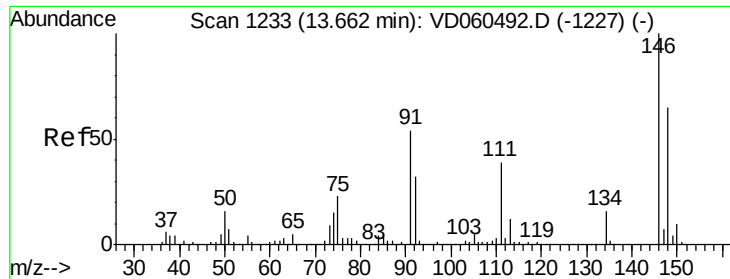
MMDadoda
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#90
Hexachloroethane
Concen: 21.492 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion: 117 Resp: 263168
Ion Ratio Lower Upper
117 100
201 76.5 41.3 123.9





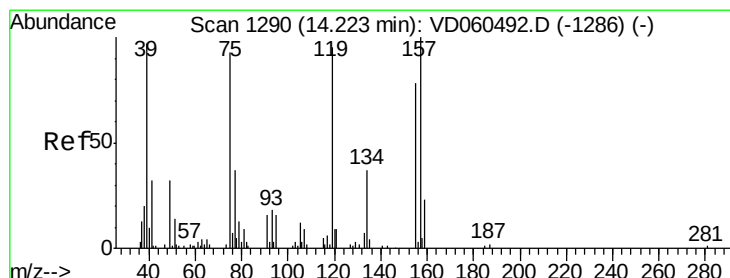
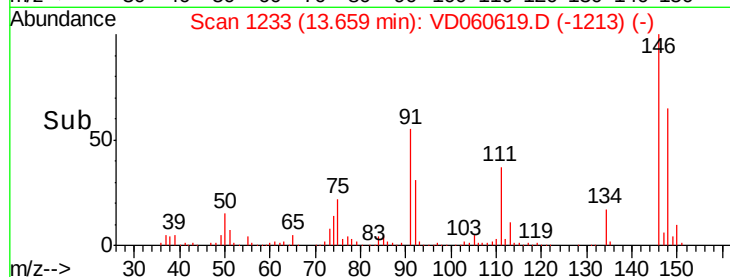
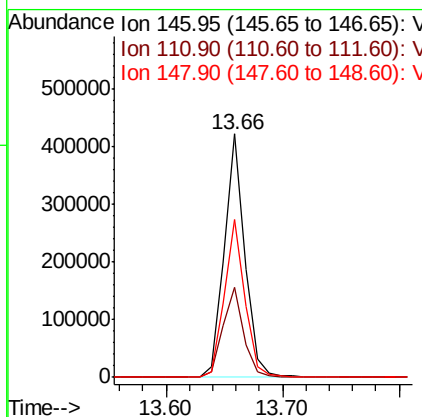
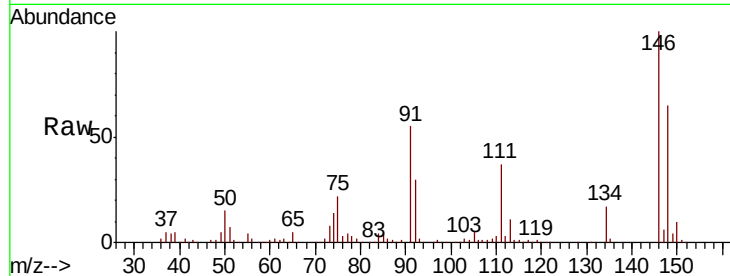
#91
 1,2-Dichlorobenzene
 Concen: 23.024 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.3	57.8
148	64.9	32.3	96.8

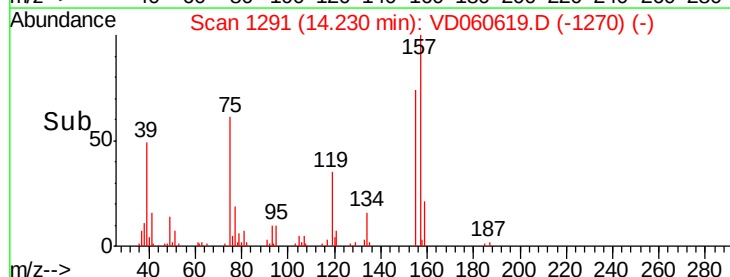
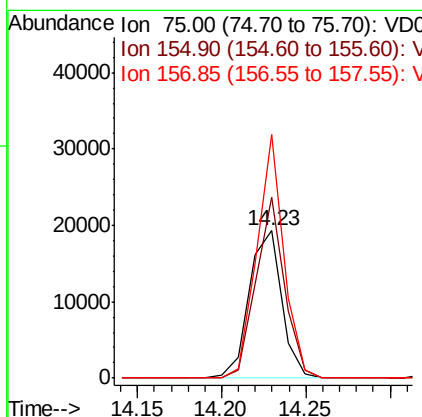
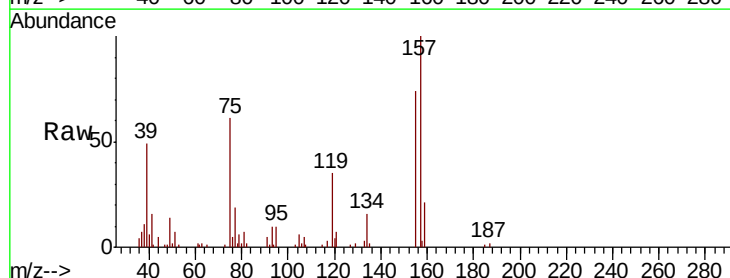
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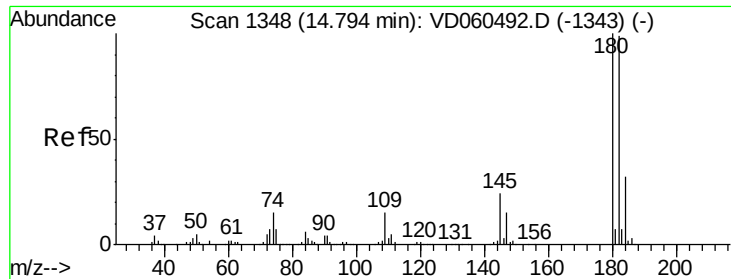
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.973 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	122.8	41.6	124.9
157	165.1	53.6	160.8#





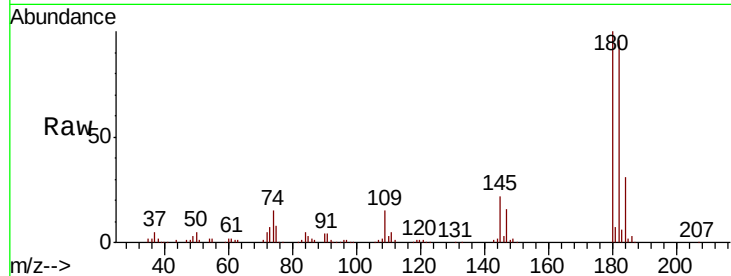
#93
 1,2,4-Trichlorobenzene
 Concen: 22.664 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBS01

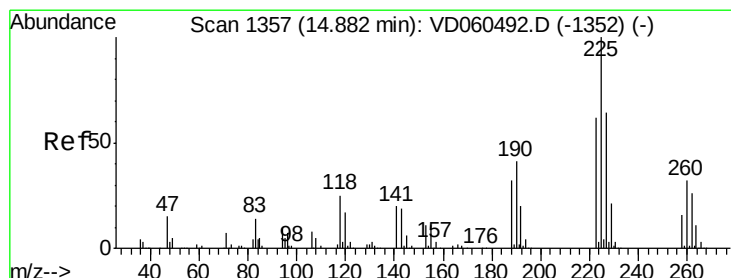
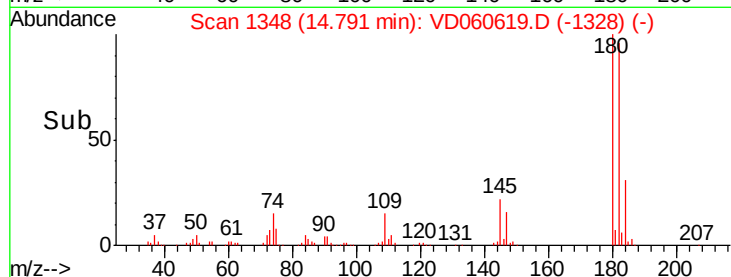
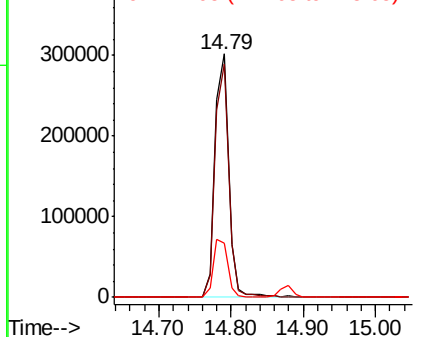
Tot Ion	Ratio	Resp	Lower	Upper
180	100	397573		
182	95.8	49.4	148.0	
145	22.2	11.9	35.9	

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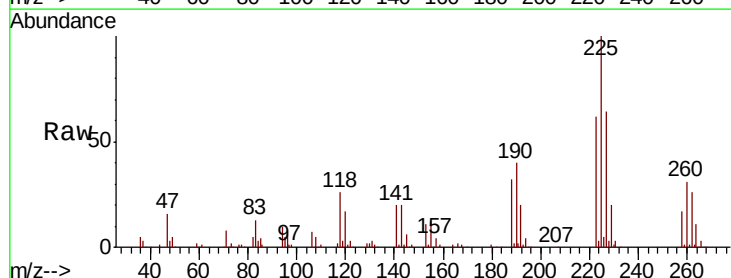


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

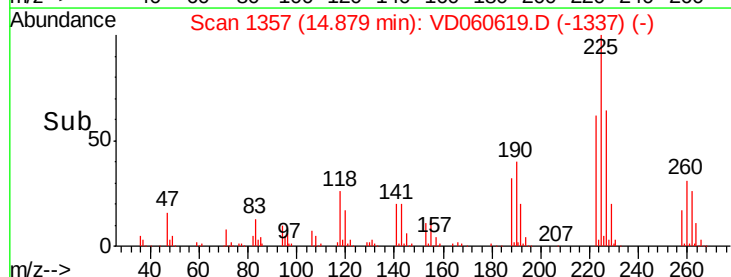
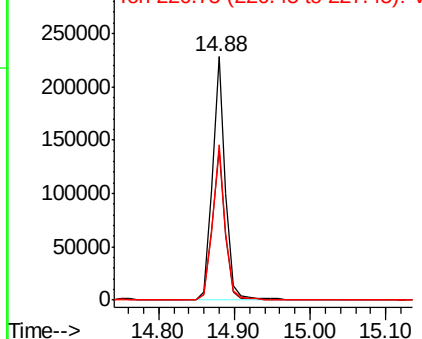


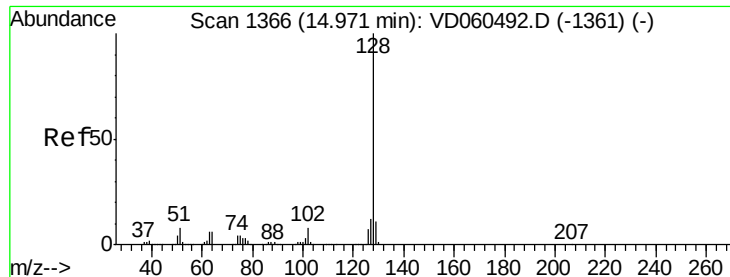
#94
 Hexachlorobutadiene
 Concen: 21.353 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060619.D
 Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	276361		
223	61.9	31.2	93.6	
227	63.6	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





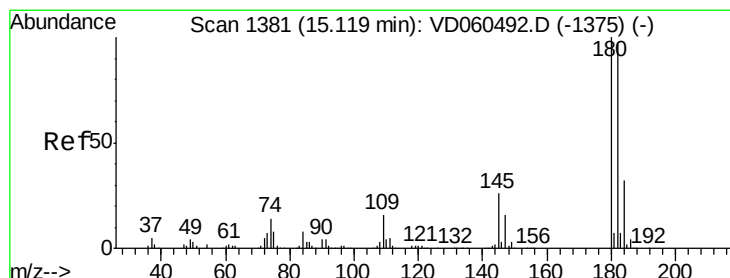
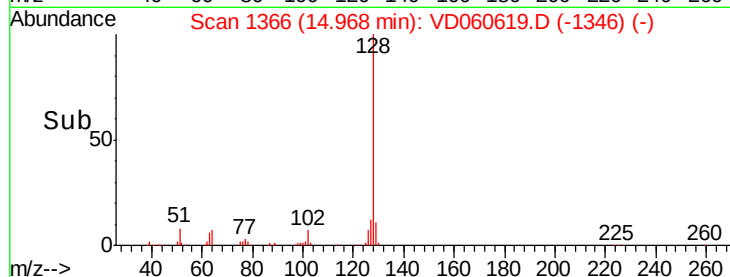
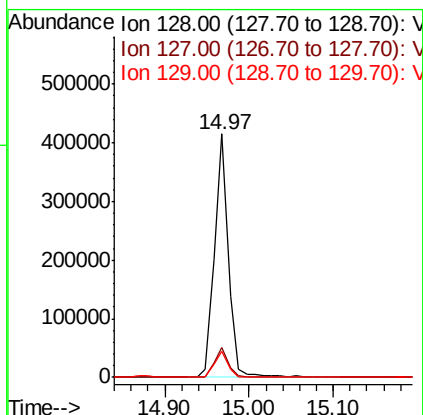
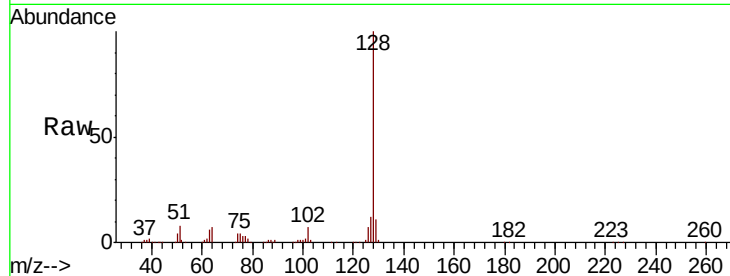
#95
Naphthalene
Concen: 22.844 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	10.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 22.840 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060619.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.5	145.5
145	25.1	12.9	38.7

