

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060569.D
 Acq On : 14 Dec 2018 13:16
 Operator : VA/AP
 Sample : VD1214SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Manual Integrations
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 12/15/2018 3:25:06 PM

Quant Time: Dec 14 22:35:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1658417	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2326898	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1883895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929445	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	588917	50.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	6.31	113	852538	49.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	9.44	98	2448942	49.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.42	95	861063	48.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	425849	23.498	ug/l	97
3) Chloromethane	1.78	50	385825	22.643	ug/l	97
4) Vinyl Chloride	1.87	62	318393	23.413	ug/l	94
5) Bromomethane	2.16	94	49732	14.618	ug/l	94
6) Chloroethane	2.27	64	78527	16.709	ug/l	92
7) Trichlorofluoromethane	2.52	101	330644	21.057	ug/l	100
8) Diethyl Ether	2.83	74	56586	20.863	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228781	22.455	ug/l	98
10) Methyl Iodide	3.25	142	249702	20.967	ug/l	100
11) Tert butyl alcohol	3.96	59	41981	87.907	ug/l #	91
12) 1,1-Dichloroethene	3.09	96	178831	21.574	ug/l	93
13) Acrolein	2.99	56	49290	94.457	ug/l	91
14) Allyl chloride	3.54	41	346768	22.049	ug/l	97
15) Acrylonitrile	4.09	53	286294	105.580	ug/l	97
16) Acetone	3.17	43	189174	100.400	ug/l	96
17) Carbon Disulfide	3.32	76	582840	21.646	ug/l	100
18) Methyl Acetate	3.56	43	93755	20.936	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	488034	21.230	ug/l	97
20) Methylene Chloride	3.73	84	385983	19.590	ug/l	96
21) trans-1,2-Dichloroethene	4.10	96	381640	21.165	ug/l	98
22) Diisopropyl ether	4.85	45	1169765	20.716	ug/l	98
23) Vinyl Acetate	4.80	43	2962121	105.877	ug/l	99
24) 1,1-Dichloroethane	4.75	63	615331	20.976	ug/l	99
25) 2-Butanone	5.62	43	376270	101.503	ug/l	96
26) 2,2-Dichloropropane	5.58	77	492479	21.732	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	387601	21.142	ug/l	98
28) Bromochloromethane	5.92	49	246076	18.936	ug/l	97
29) Tetrahydrofuran	5.94	42	221138	105.345	ug/l	98
30) Chloroform	6.09	83	615731	20.834	ug/l	94
31) Cyclohexane	6.35	56	579864	20.885	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	512412	21.091	ug/l	99
36) 1,1-Dichloropropene	6.51	75	476828	20.964	ug/l	96
37) Ethyl Acetate	5.69	43	207891	21.075	ug/l	99
38) Carbon Tetrachloride	6.49	117	433203	21.215	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	528202	20.371	ug/l	98
40) Benzene	6.79	78	1223667	21.051	ug/l	100
41) Methacrylonitrile	5.92	41	129584m	24.370	ug/l	
42) 1,2-Dichloroethane	6.89	62	307606	20.813	ug/l	99
43) Isopropyl Acetate	8.33	43	241516	19.834	ug/l #	98
44) Trichloroethene	7.73	130	364279	20.969	ug/l	92
45) 1,2-Dichloropropane	8.09	63	290936	20.237	ug/l	95
46) Dibromomethane	8.20	93	173267	20.859	ug/l	97
47) Bromodichloromethane	8.48	83	401368	20.365	ug/l	99
48) Methyl methacrylate	8.23	41	150701	20.917	ug/l	99
49) 1,4-Dioxane	8.21	88	26564	406.803	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	783581	103.452	ug/l	99
52) Toluene	9.53	92	753861	20.749	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	340335	21.015	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	441134	20.732	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	208611	20.618	ug/l	97
56) Ethyl methacrylate	10.02	69	192604	21.034	ug/l	99
57) 1,3-Dichloropropane	10.37	76	326030	20.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	619173	113.009	ug/l	99
59) 2-Hexanone	10.48	43	545915	103.114	ug/l	99
60) Dibromochloromethane	10.63	129	261354	20.660	ug/l	98
61) 1,2-Dibromoethane	10.74	107	215071	20.858	ug/l	100
64) Tetrachloroethene	10.24	164	335662	20.122	ug/l	98
65) Chlorobenzene	11.30	112	817444	20.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	272887	21.243	ug/l	99
67) Ethyl Benzene	11.41	91	1433267	21.083	ug/l	97
68) m/p-Xylenes	11.55	106	1047178	41.638	ug/l	95
69) o-Xylene	11.92	106	492029	20.529	ug/l	97
70) Styrene	11.94	104	799274	20.776	ug/l	100
71) Bromoform	12.10	173	168502	19.661	ug/l	99
73) Isopropylbenzene	12.27	105	1391024	21.150	ug/l	98
74) N-amyl acetate	12.12	43	314730	19.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	215825	20.497	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	220130	20.903	ug/l	98
77) Bromobenzene	12.52	156	365111	21.119	ug/l	92
78) n-propylbenzene	12.62	91	1752481	21.079	ug/l	97
79) 2-Chlorotoluene	12.69	91	943438	20.912	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1081846	21.526	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	58864	20.041	ug/l	92
82) 4-Chlorotoluene	12.80	91	1073599	21.188	ug/l	98
83) tert-Butylbenzene	13.04	119	1209389	21.462	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1091037	20.966	ug/l	99
85) sec-Butylbenzene	13.21	105	1449053	20.632	ug/l	95
86) p-Isopropyltoluene	13.33	119	1210595	21.744	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	661824	21.143	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	642165	20.912	ug/l	97
89) n-Butylbenzene	13.64	91	1241273	20.020	ug/l	97
90) Hexachloroethane	13.84	117	288557	20.672	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	550876	21.535	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24215	18.980	ug/l	69

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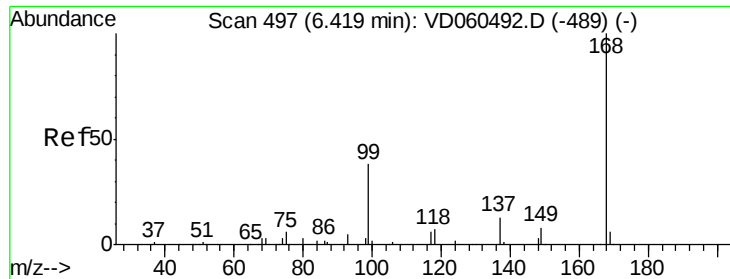
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	404005	20.203	ug/l	97
94) Hexachlorobutadiene	14.87	225	304470	20.636	ug/l	99
95) Naphthalene	14.96	128	477252	20.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	326869	20.514	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion:168 Resp: 1658417

Ion Ratio Lower Upper

168 100

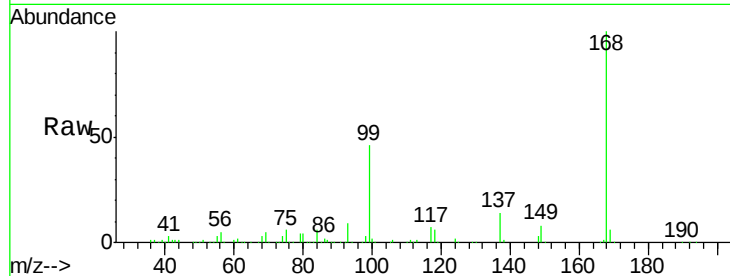
99 45.7 35.6 53.4

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

6.40

600000

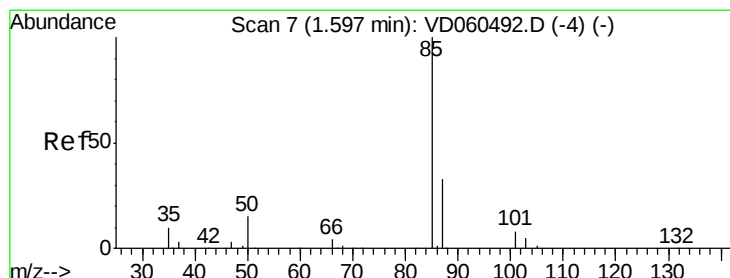
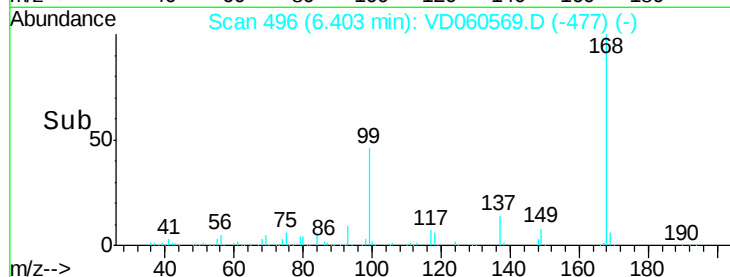
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 23.498 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060569.D

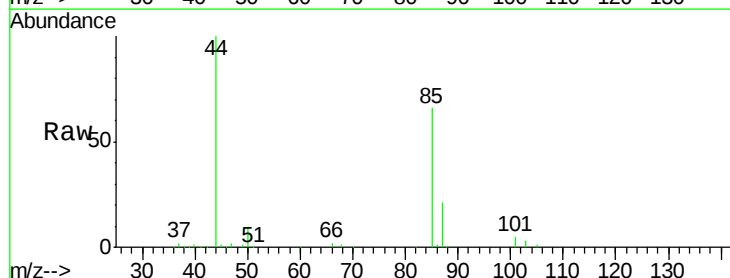
Acq: 14 Dec 2018 13:16

Tgt Ion: 85 Resp: 425849

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

150000

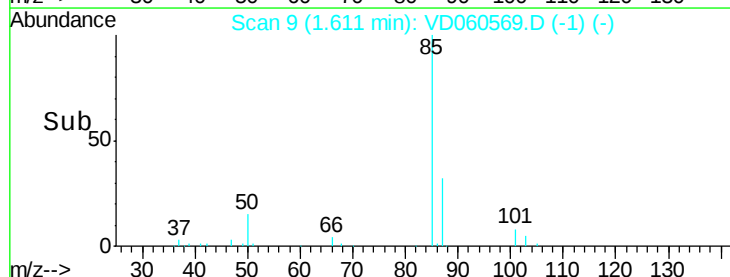
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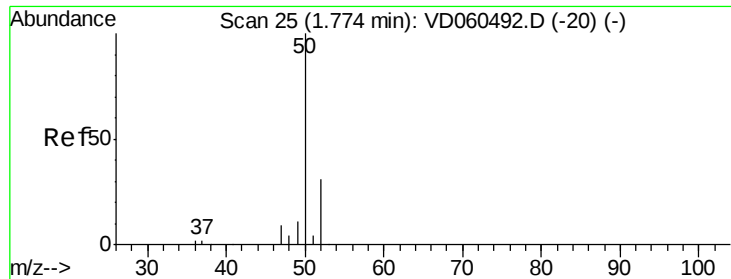
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.643 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 50 Resp: 385825

Ion Ratio Lower Upper

50 100

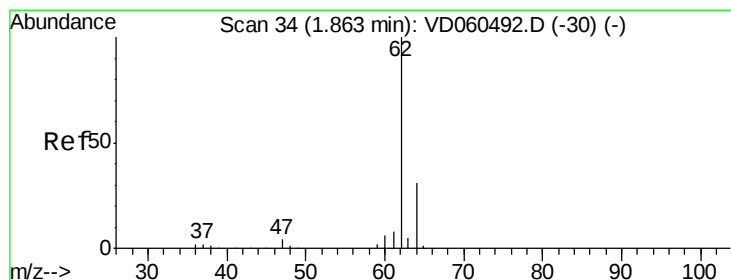
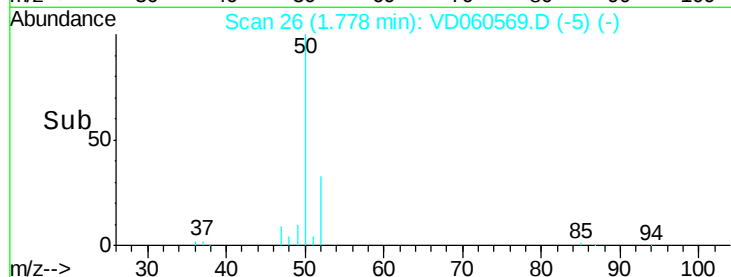
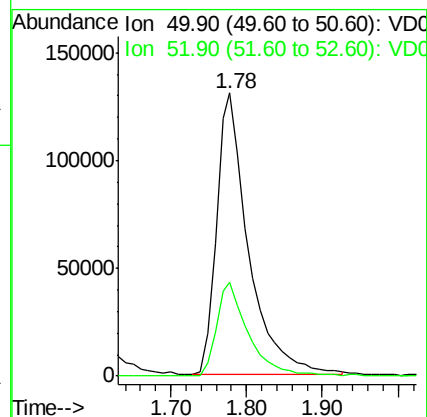
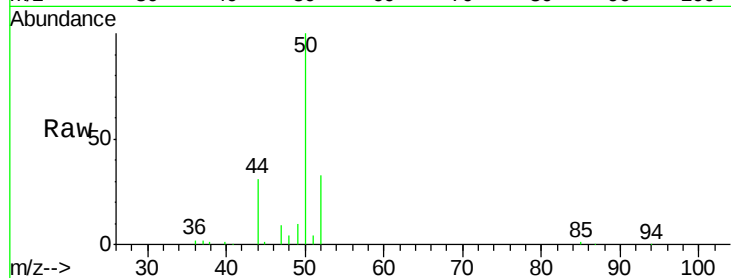
52 33.1 25.0 37.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.413 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060569.D

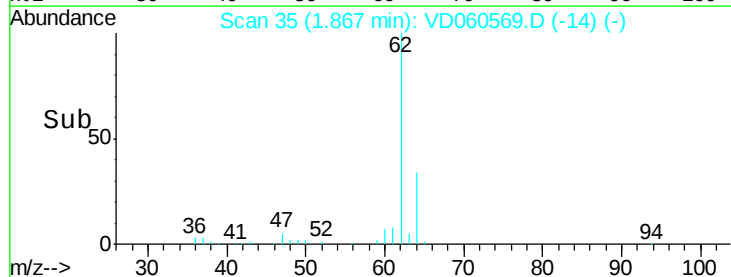
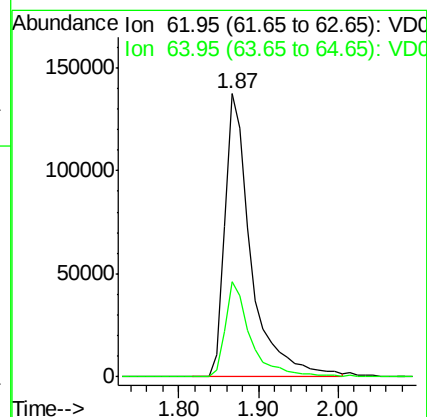
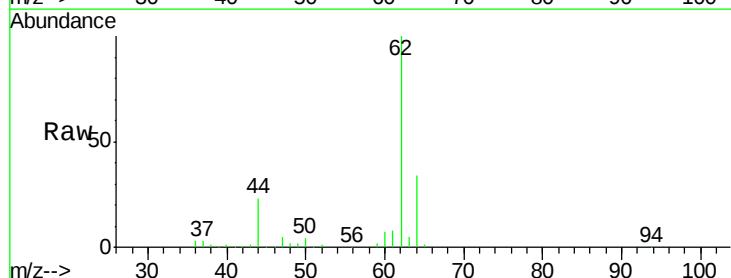
Acq: 14 Dec 2018 13:16

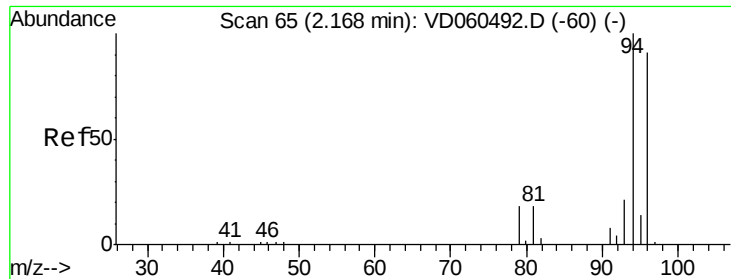
Tgt Ion: 62 Resp: 318393

Ion Ratio Lower Upper

62 100

64 33.8 24.6 37.0





#5

Bromomethane

Concen: 14.618 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 94 Resp: 49732

Ion Ratio Lower Upper

94 100

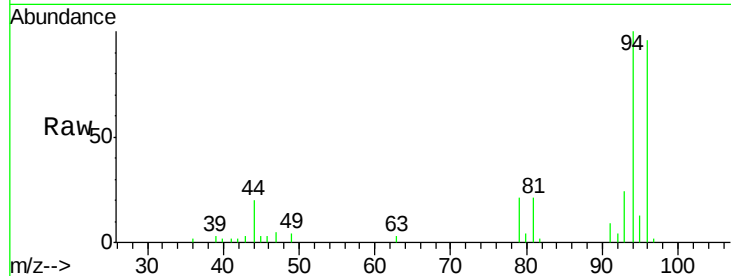
96 96.3 72.6 108.8

Manual Integrations

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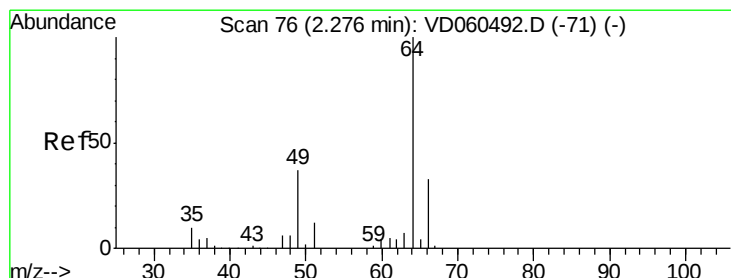
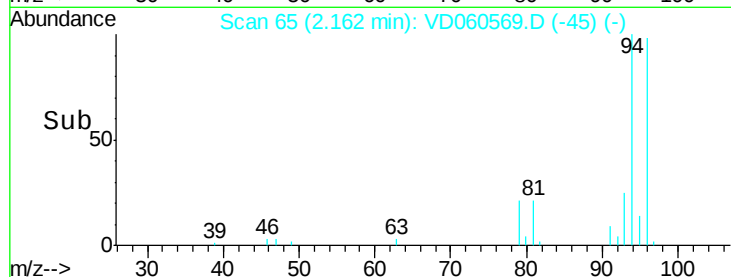
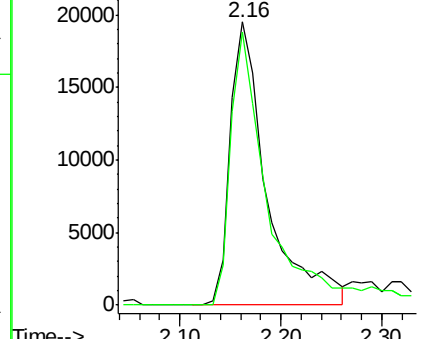
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.709 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060569.D

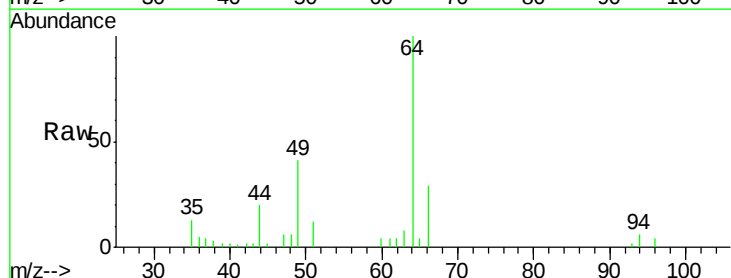
Acq: 14 Dec 2018 13:16

Tgt Ion: 64 Resp: 78527

Ion Ratio Lower Upper

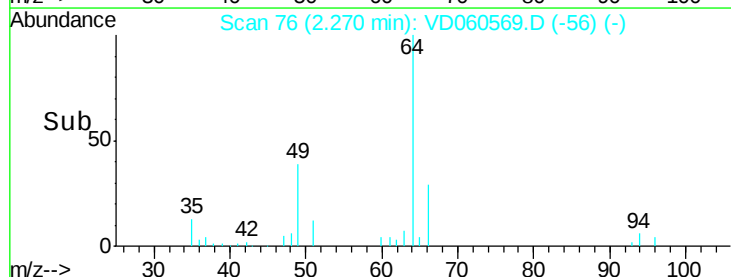
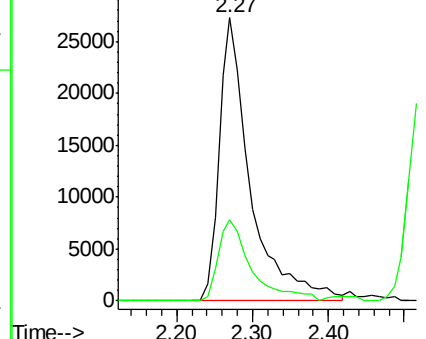
64 100

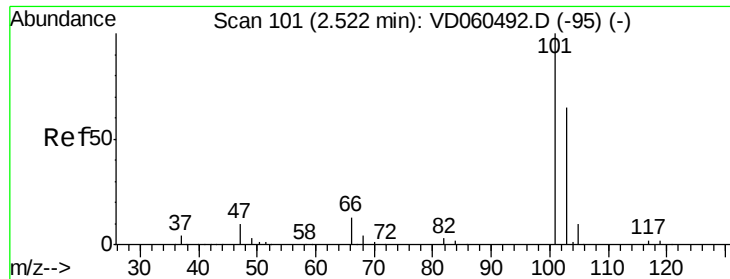
66 28.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

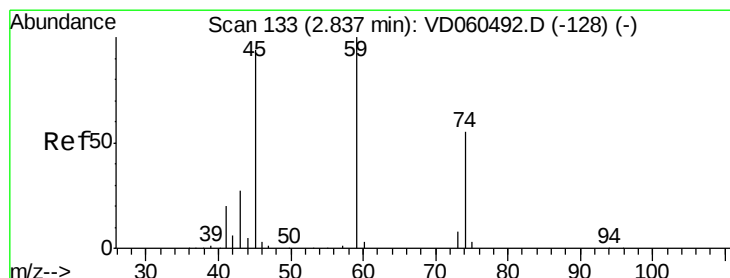
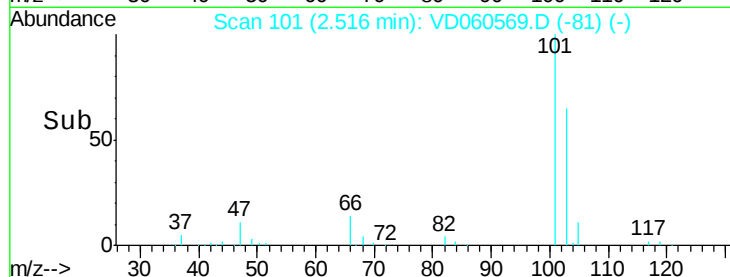
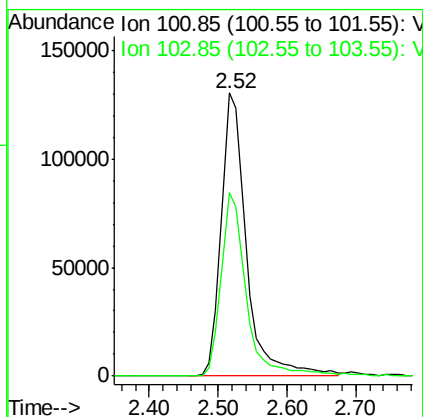
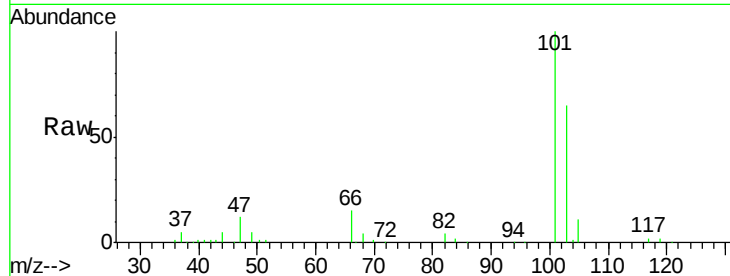
Trichlorofluoromethane
 Concen: 21.057 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

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 VD1214SBS01

Tgt Ion: 101 Resp: 330644
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.8

Manual Integrations
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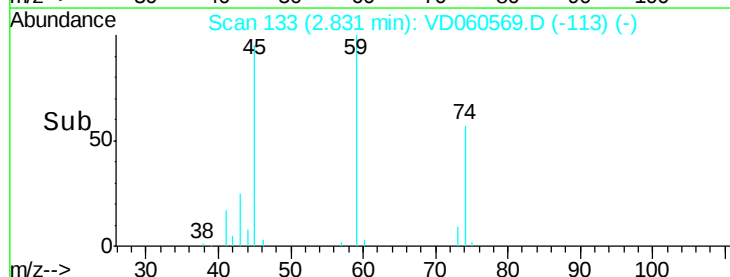
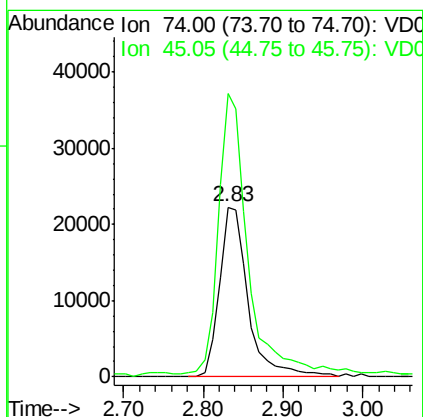
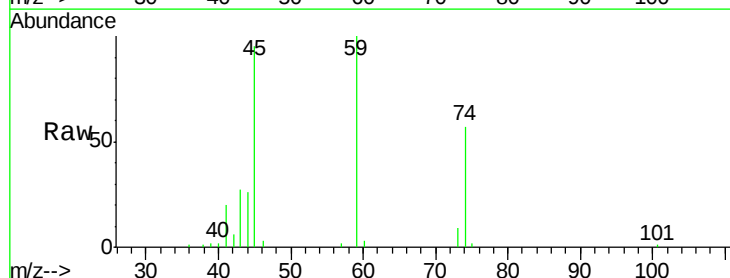
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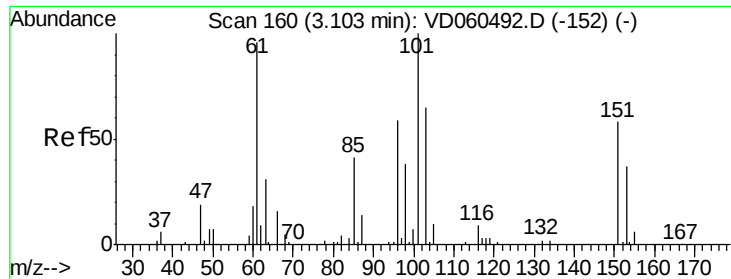


#8

Diethyl Ether
 Concen: 20.863 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 74 Resp: 56586
 Ion Ratio Lower Upper
 74 100
 45 167.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.455 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

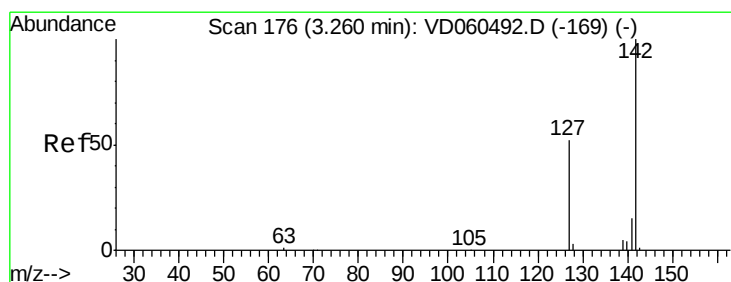
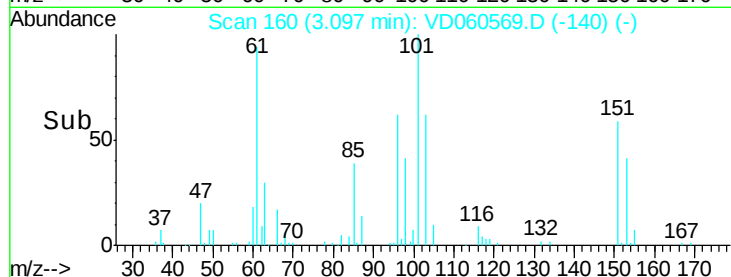
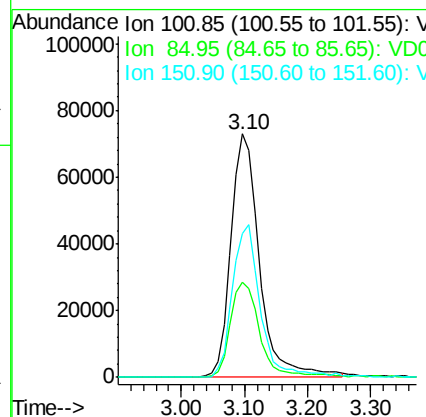
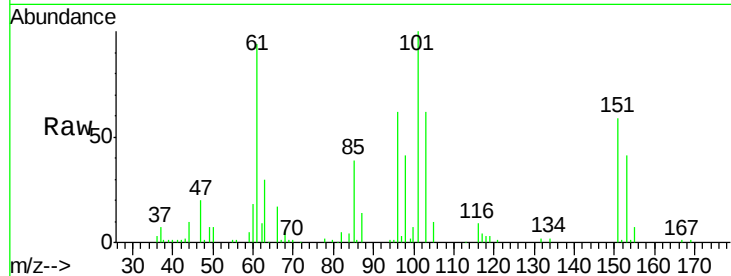
ClientSampleId :

VD1214SBS01

Tgt	Ion	101	Resp:	228781
Ion	Ratio	Lower	Upper	
101	100			
85	39.1	32.7	49.1	
151	59.1	46.6	69.8	

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#10

Methyl Iodide

Concen: 20.967 ug/l

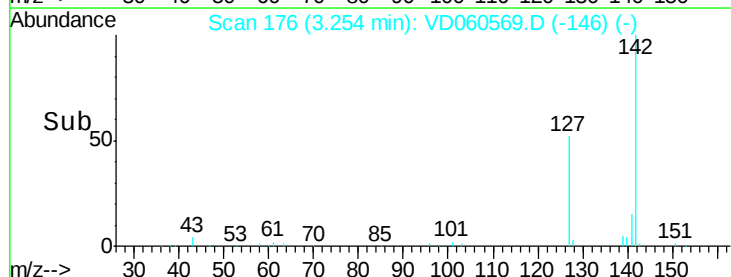
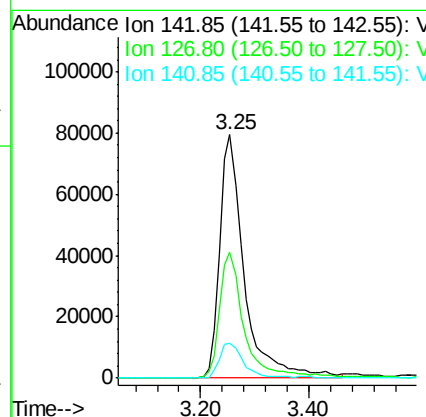
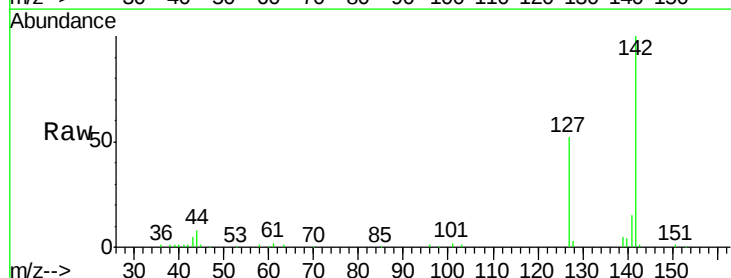
RT: 3.25 min Scan# 176

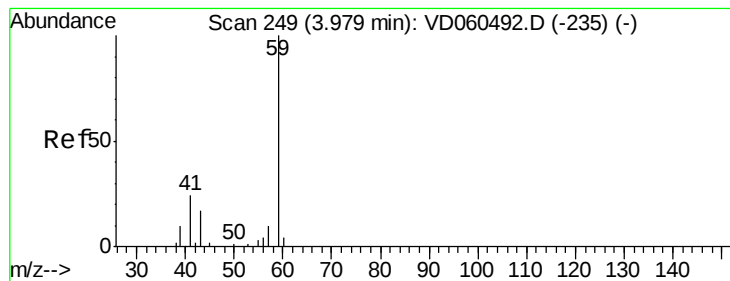
Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt	Ion	142	Resp:	249702
Ion	Ratio	Lower	Upper	
142	100			
127	51.7	41.2	61.8	
141	14.5	11.9	17.9	





#11

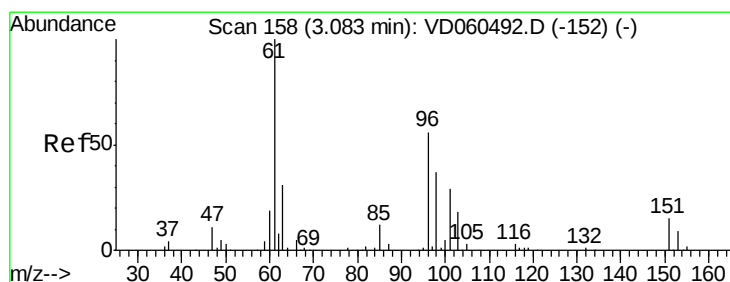
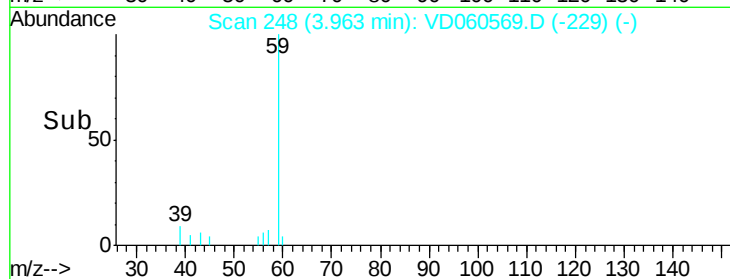
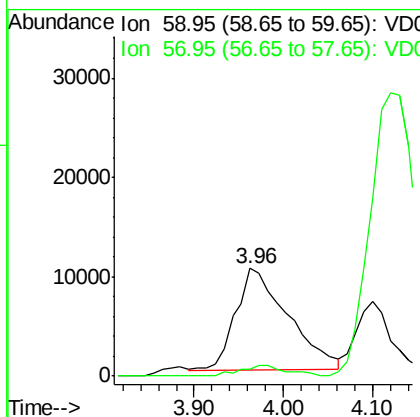
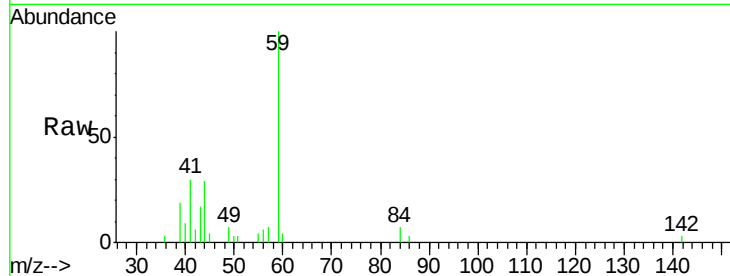
Tert butyl alcohol
Concen: 87.907 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion: 59 Resp: 41981
Ion Ratio Lower Upper
59 100
57 6.8 8.1 12.1#

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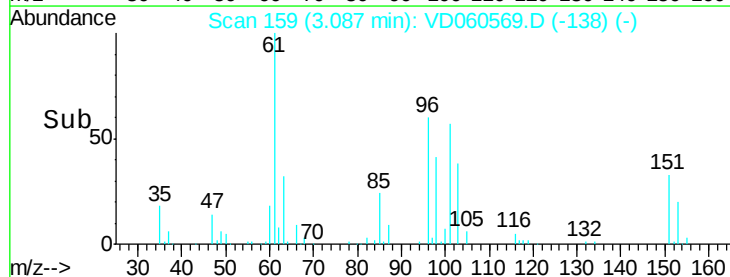
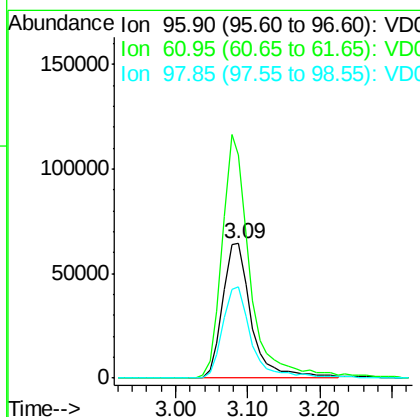
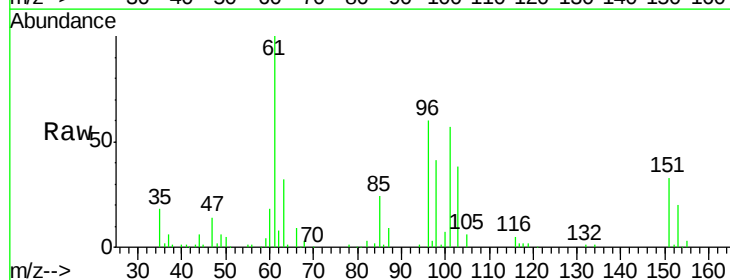
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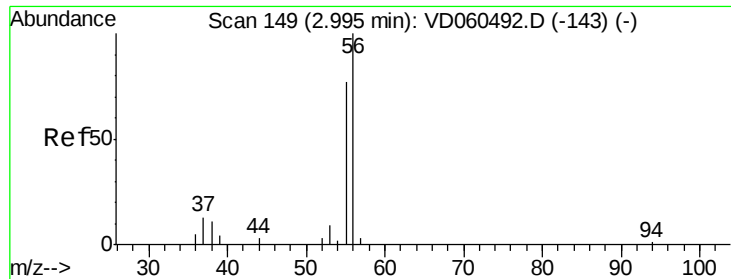


#12

1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 96 Resp: 178831
Ion Ratio Lower Upper
96 100
61 166.2 143.0 214.4
98 68.3 53.4 80.0





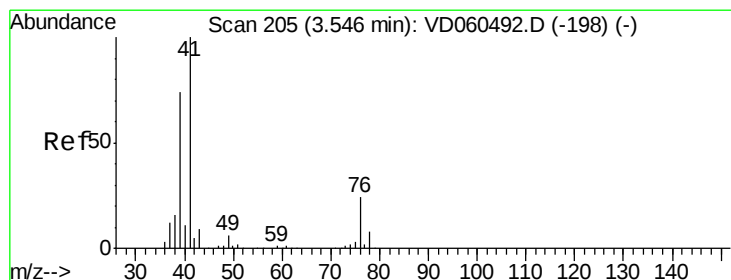
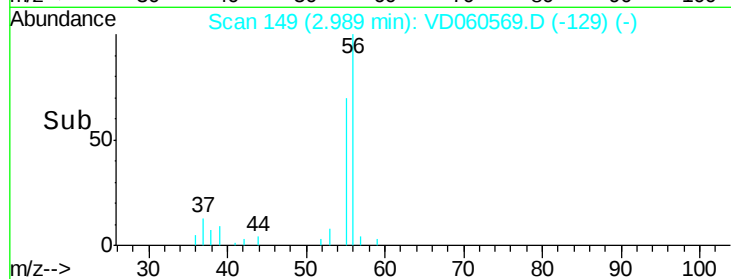
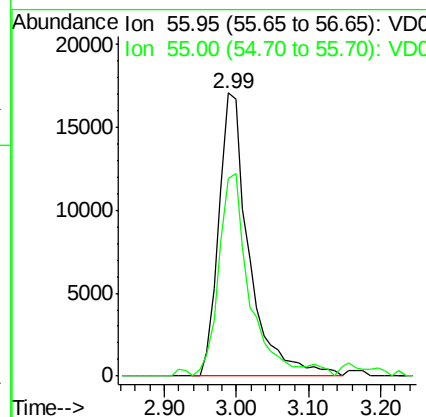
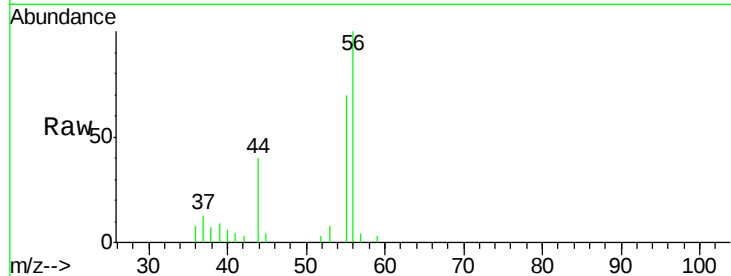
#13
 Acrolein
 Concen: 94.457 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.7	62.0	93.0

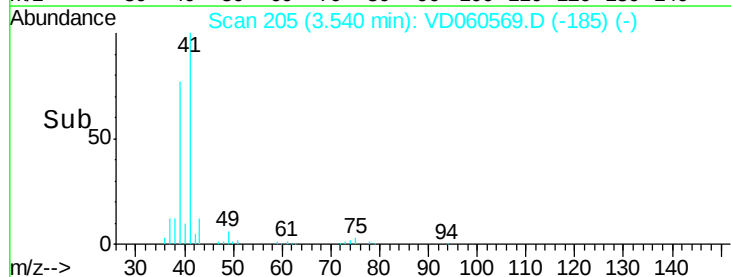
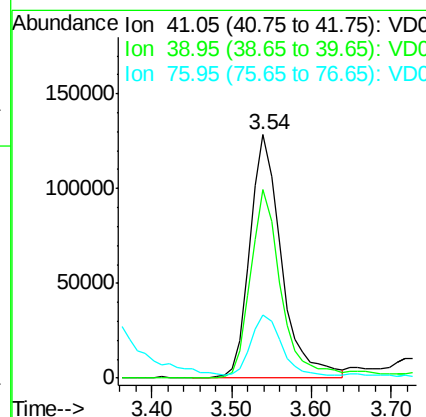
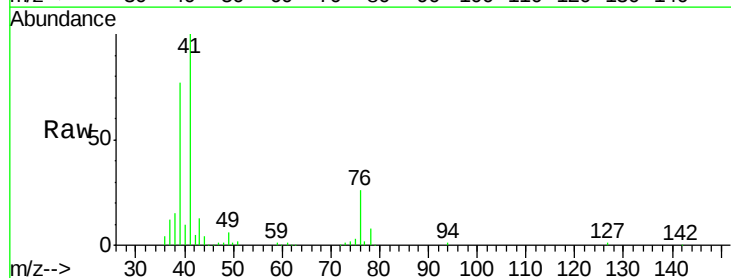
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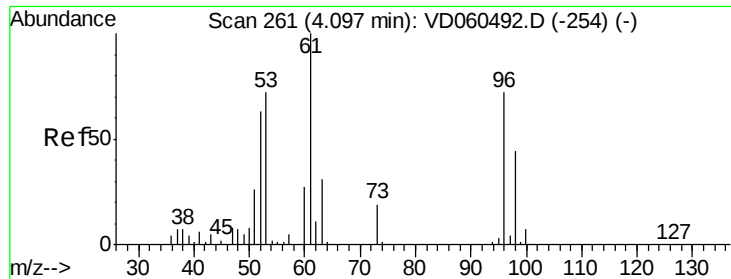
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#14
 Allyl chloride
 Concen: 22.049 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.4	59.3	88.9
76	26.0	21.0	31.6





#15

Acrylonitrile

Concen: 105.580 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 53 Resp: 286294
Ion Ratio Lower Upper

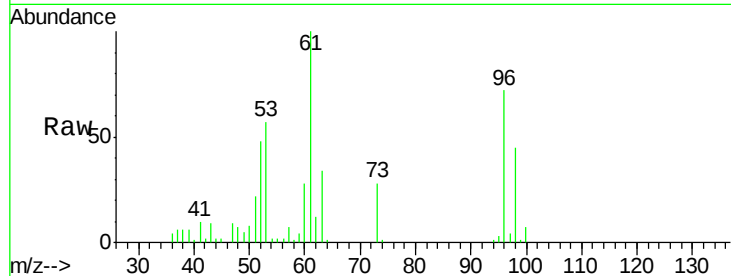
53 100

52 85.0 70.0 105.0

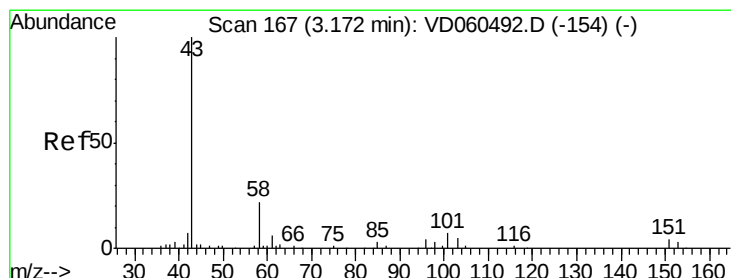
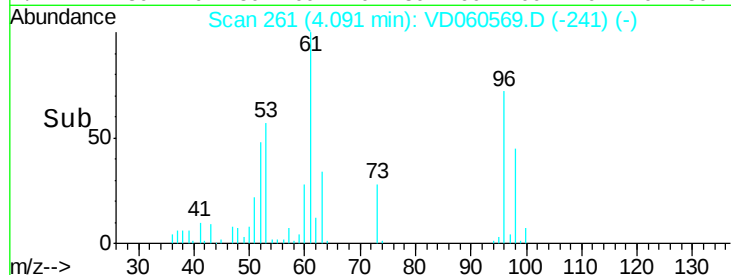
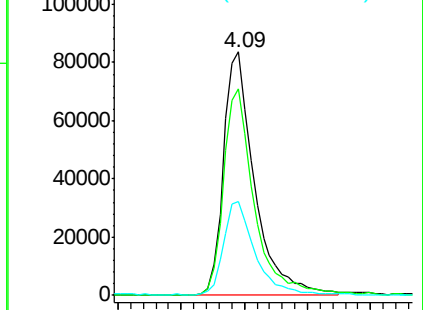
51 38.7 28.8 43.2

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.400 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

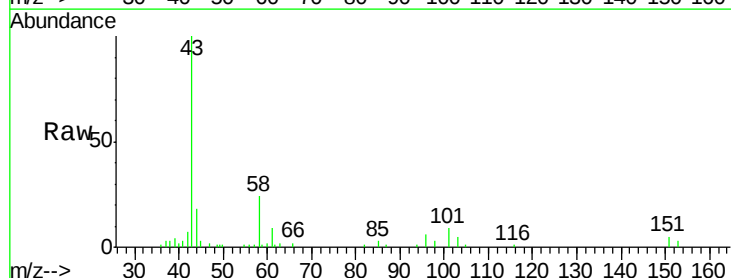
Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

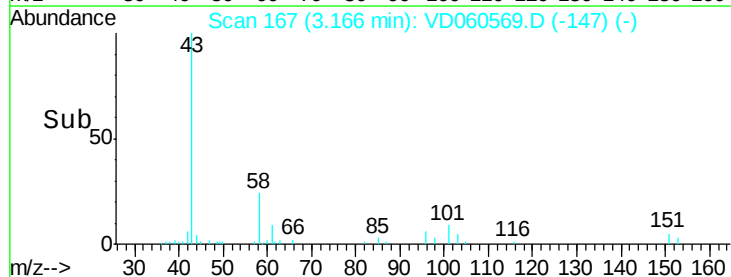
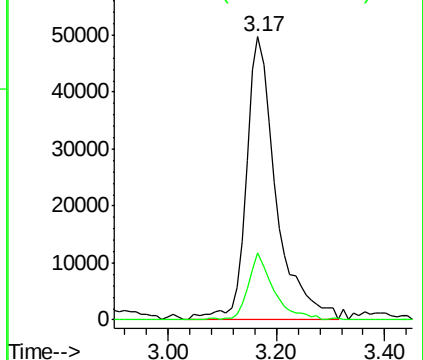
Tgt Ion: 43 Resp: 189174
Ion Ratio Lower Upper

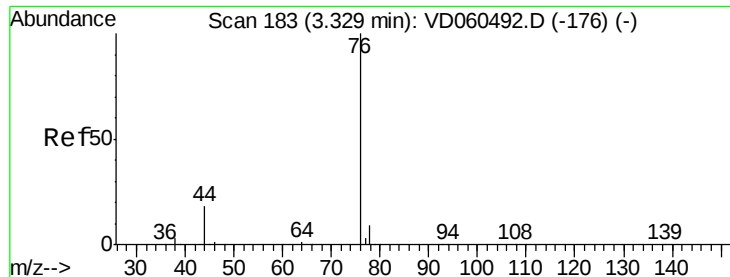
43 100

58 23.6 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





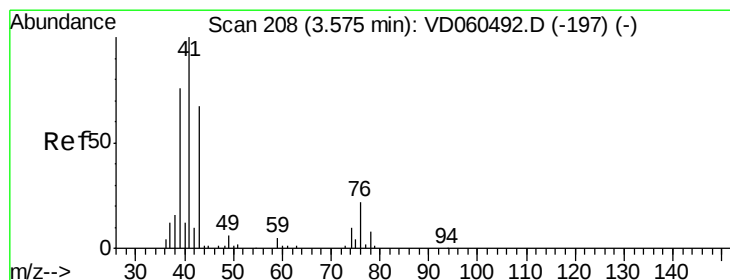
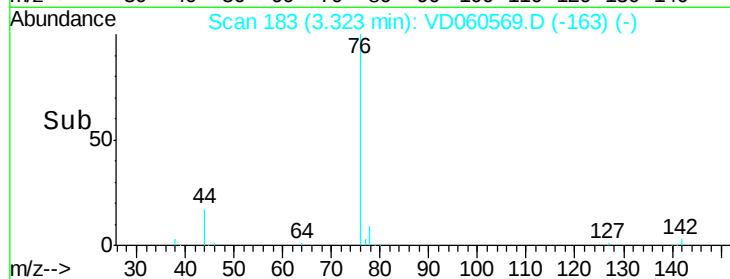
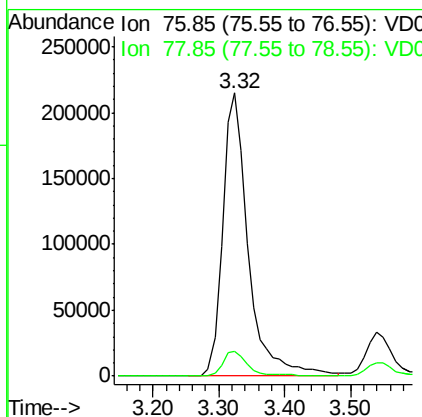
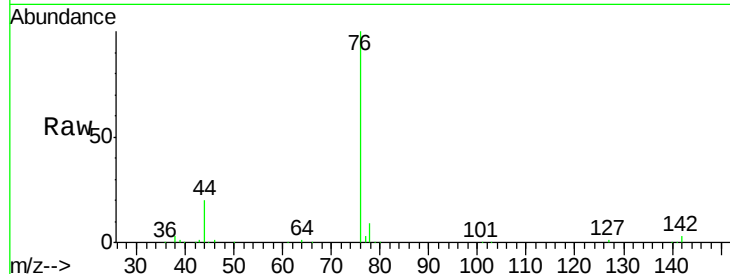
#17
Carbon Disulfide
Concen: 21.646 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

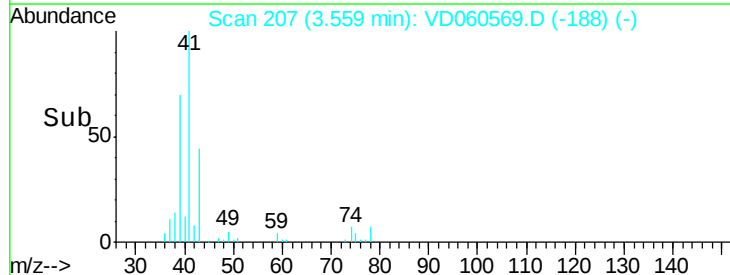
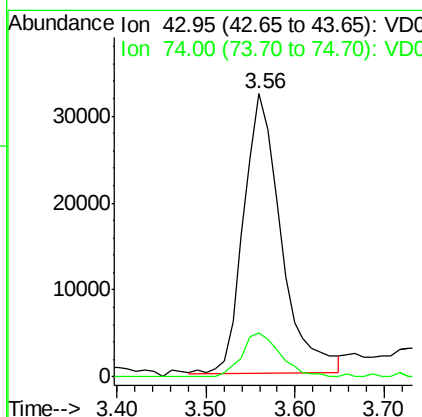
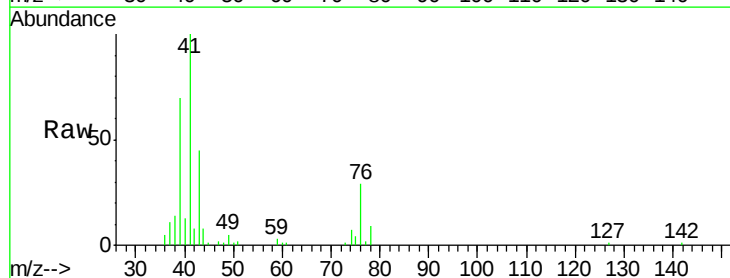
Manual Integrations
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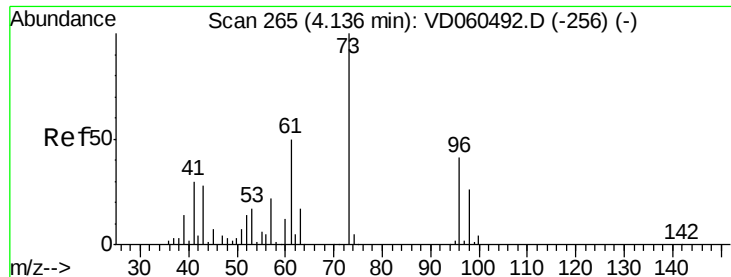
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#18
Methyl Acetate
Concen: 20.936 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	12.0	18.0





#19

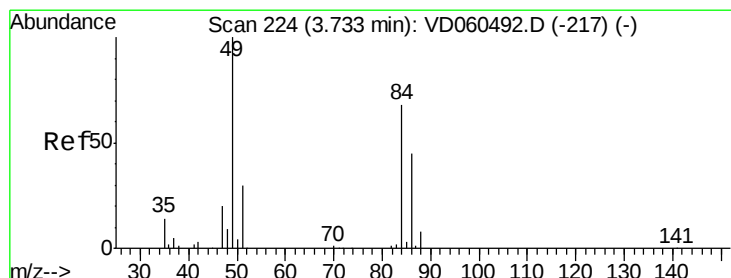
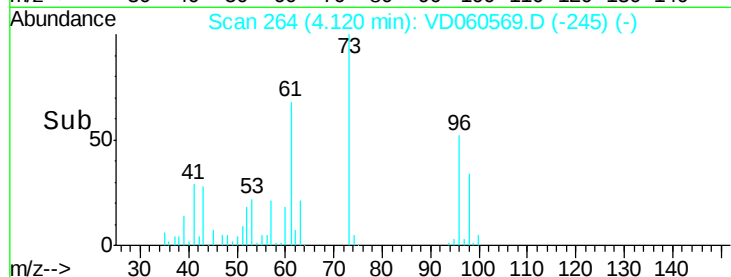
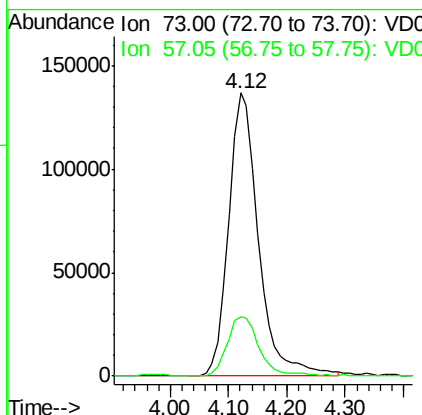
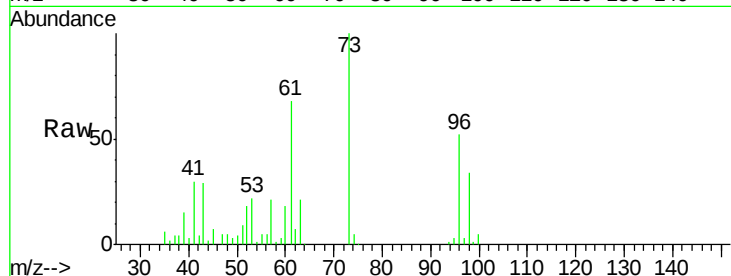
Methyl tert-butyl Ether
Concen: 21.230 ug/l
RT: 4.12 min Scan# 264
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion: 73 Resp: 488034
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6

Manual Integrations
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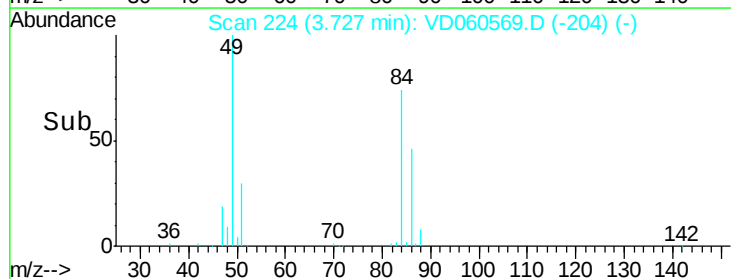
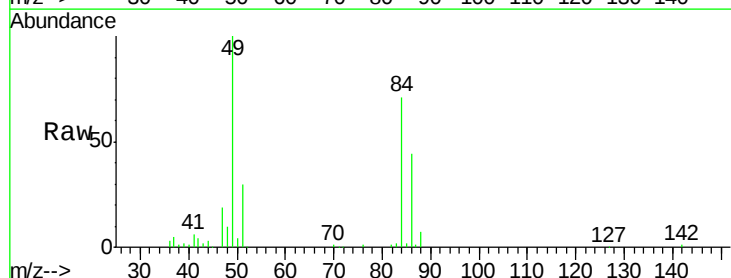
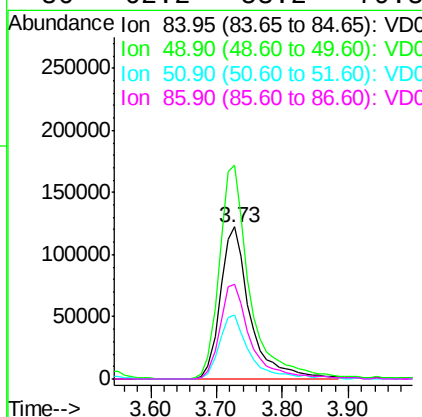
apatel
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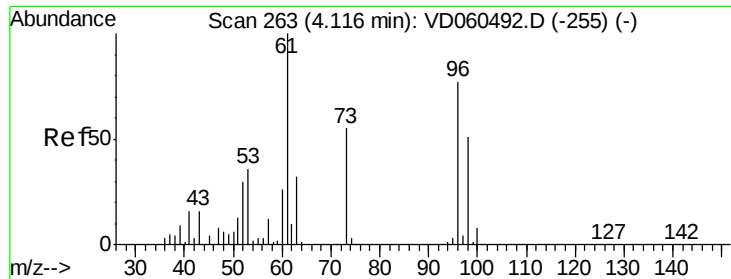


#20

Methylene Chloride
Concen: 19.590 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 84 Resp: 385983
Ion Ratio Lower Upper
84 100
49 140.7 117.2 175.8
51 42.6 35.3 52.9
86 62.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.165 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 96 Resp: 381640

Ion Ratio Lower Upper

96 100

61 131.3 104.2 156.4

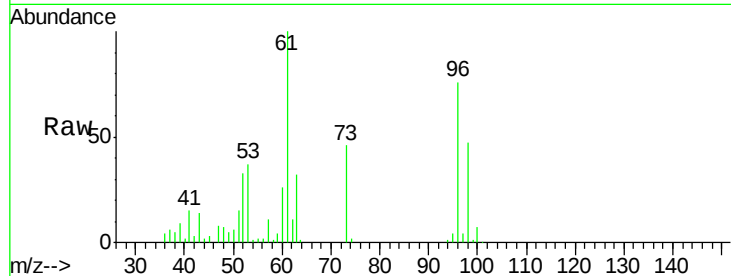
98 62.1 52.8 79.2

Manual Integrations

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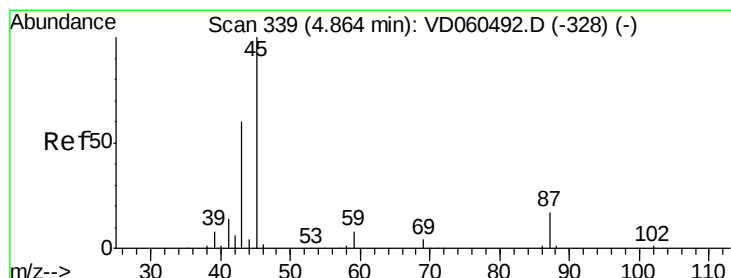
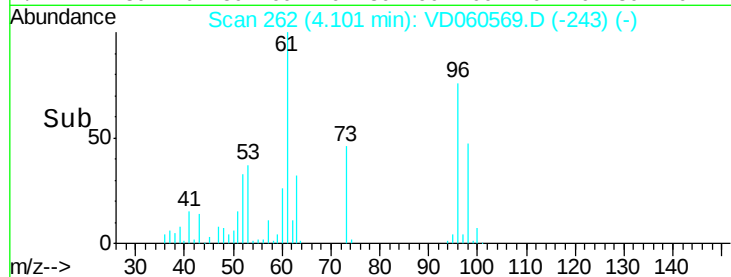
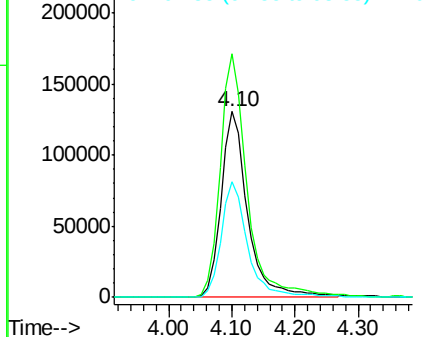
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.716 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion: 45 Resp: 1169765

Ion Ratio Lower Upper

45 100

43 62.4 48.6 73.0

87 16.8 14.0 21.0

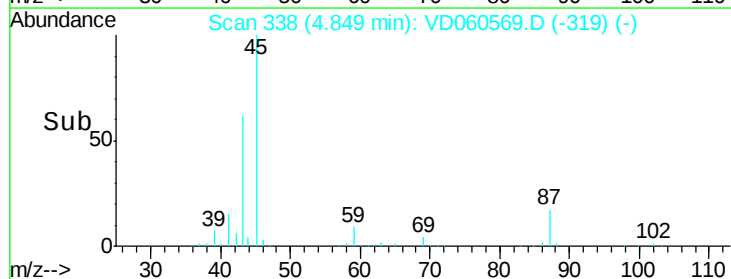
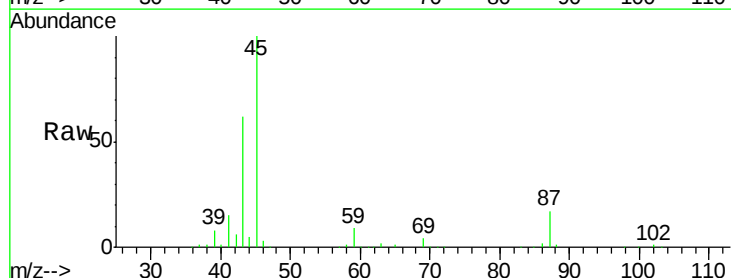
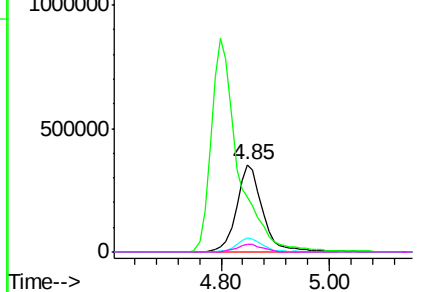
59 9.3 6.9 10.3

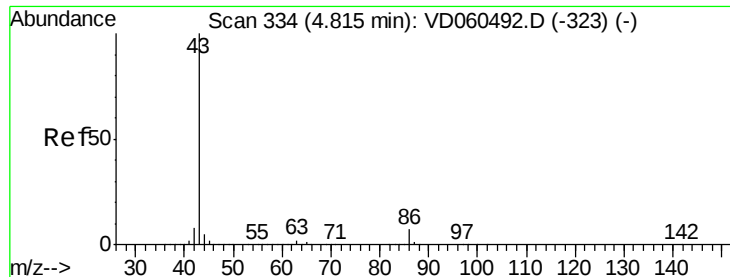
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 105.877 ug/l

RT: 4.80 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 43 Resp: 2962121

Ion Ratio Lower Upper

43 100

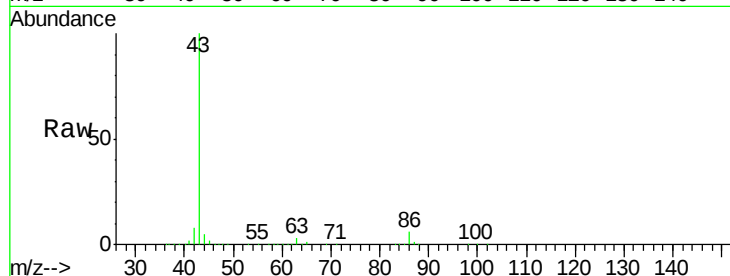
86 6.5 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

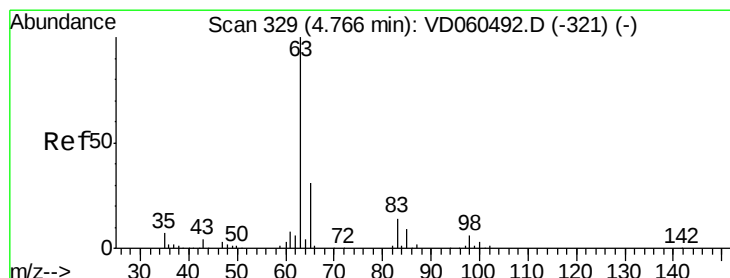
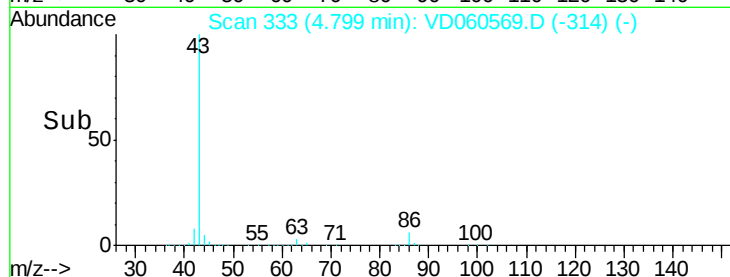
400000

200000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.976 ug/l

RT: 4.75 min Scan# 328

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

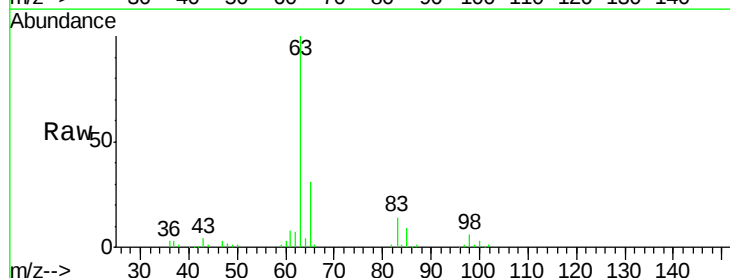
Tgt Ion: 63 Resp: 615331

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 2.8 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

150000

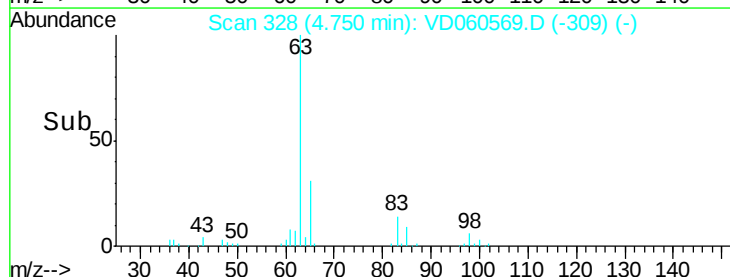
100000

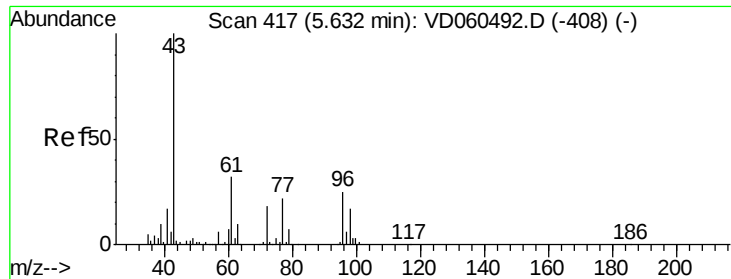
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 101.503 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 43 Resp: 376270

Ion Ratio Lower Upper

43 100

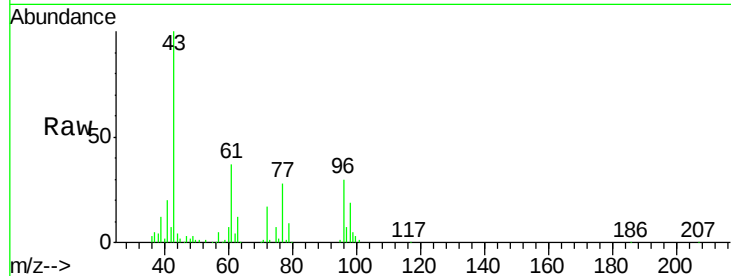
72 16.5 14.6 21.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

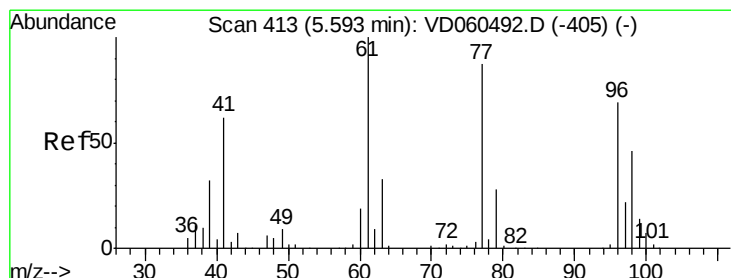
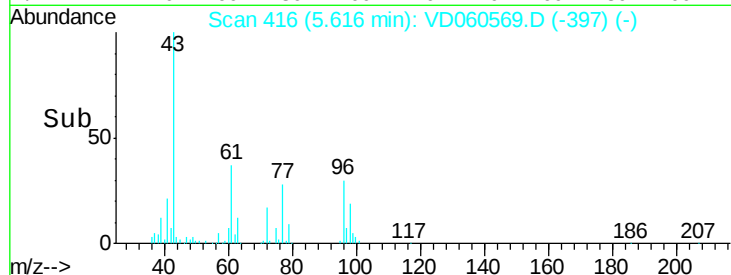
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.732 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060569.D

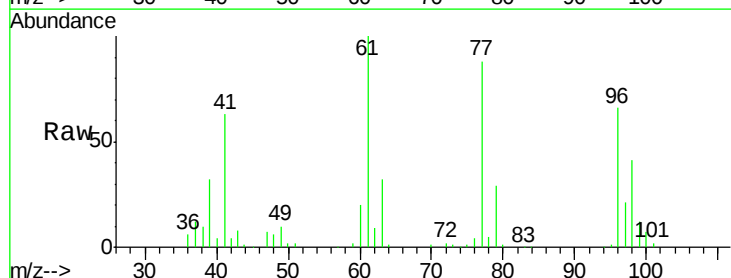
Acq: 14 Dec 2018 13:16

Tgt Ion: 77 Resp: 492479

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

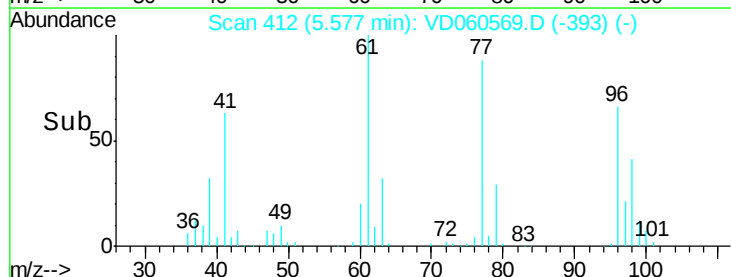
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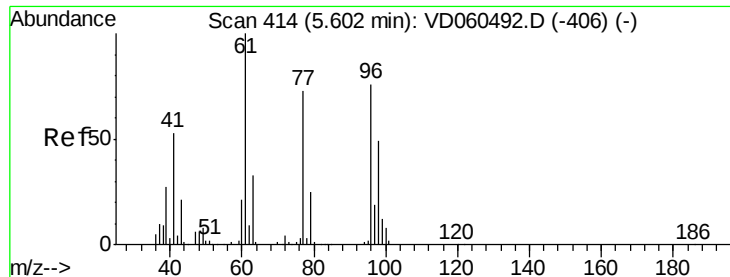
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

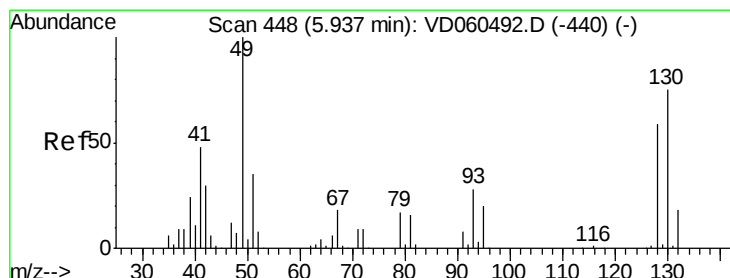
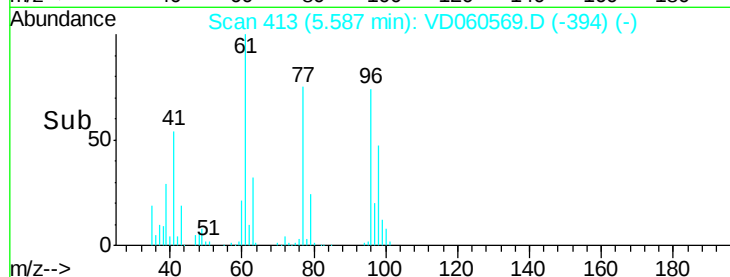
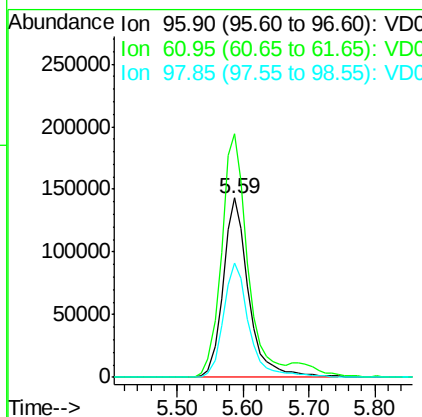
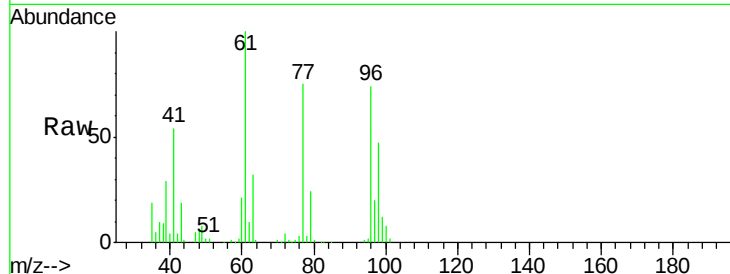
cis-1,2-Dichloroethene
Concen: 21.142 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	387601		
61	135.6	0.0	263.6	
98	63.4	0.0	128.2	

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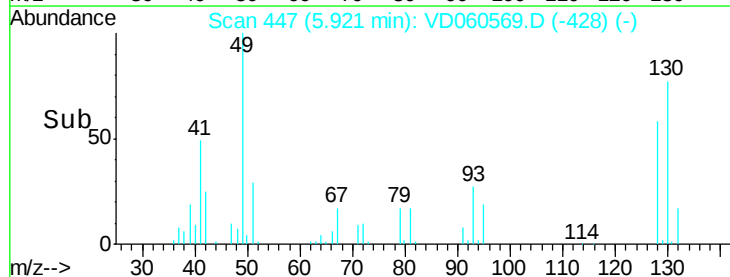
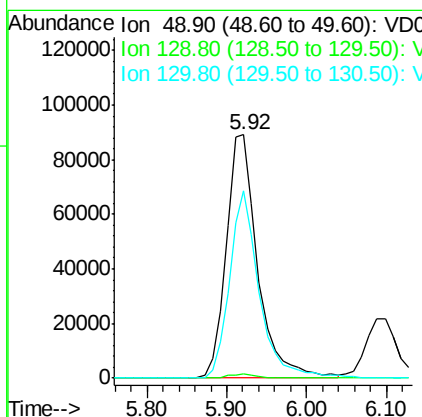
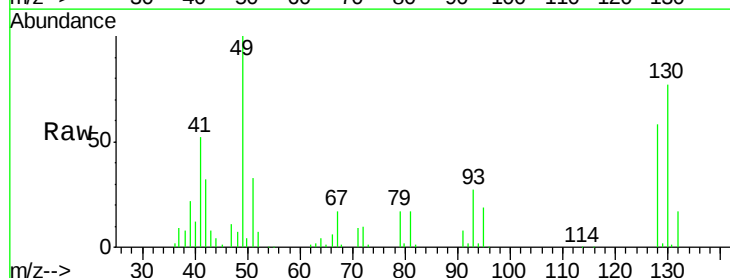
apatel
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#28

Bromochloromethane
Concen: 18.936 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	246076		
129	1.9	0.0	3.4	
130	77.1	59.8	89.6	





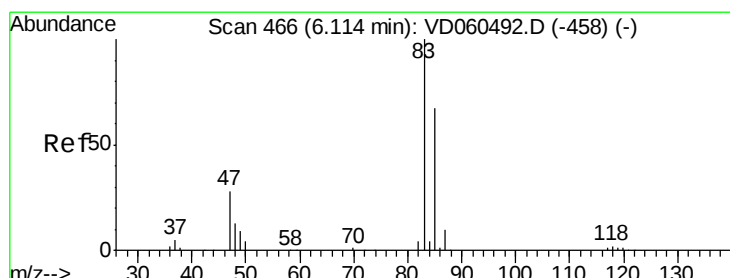
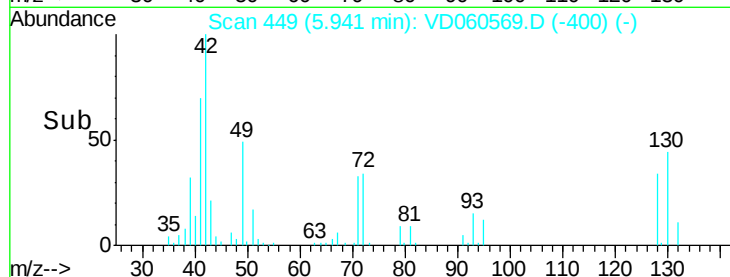
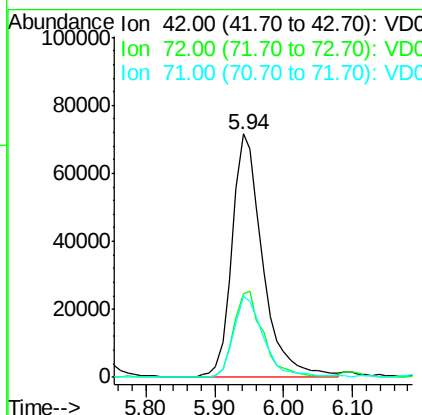
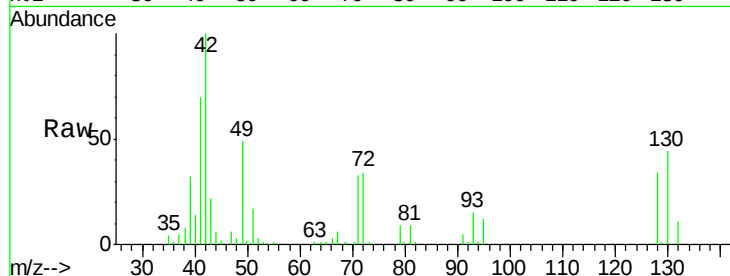
#29
Tetrahydrofuran
Concen: 105.345 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.2	28.0	42.0
71	32.4	27.2	40.8

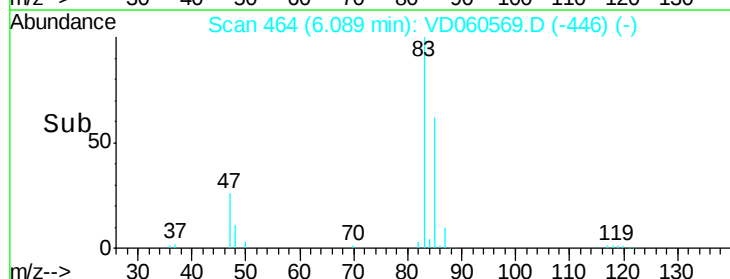
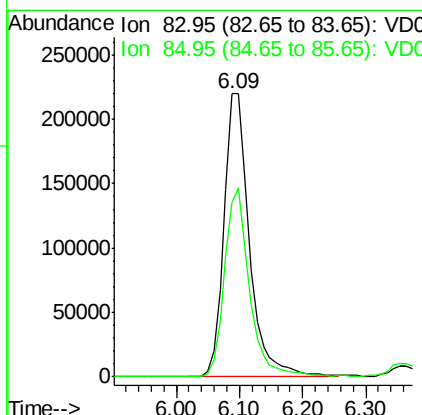
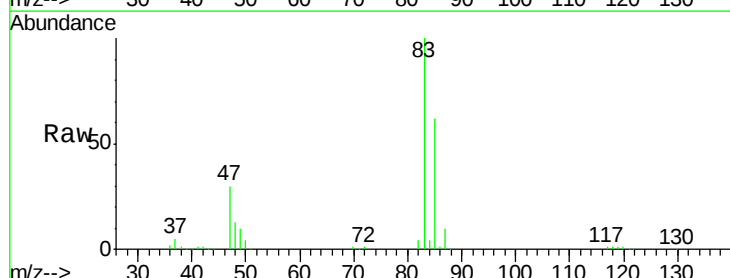
Manual Integrations
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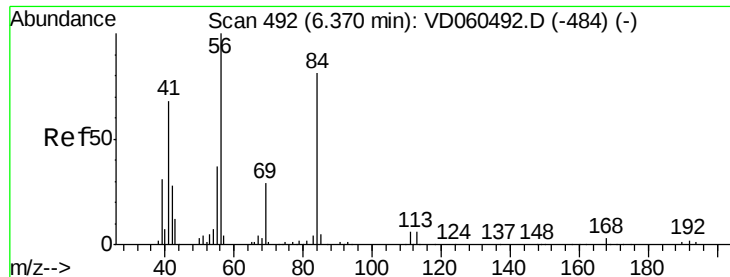
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#30
Chloroform
Concen: 20.834 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.4	80.2





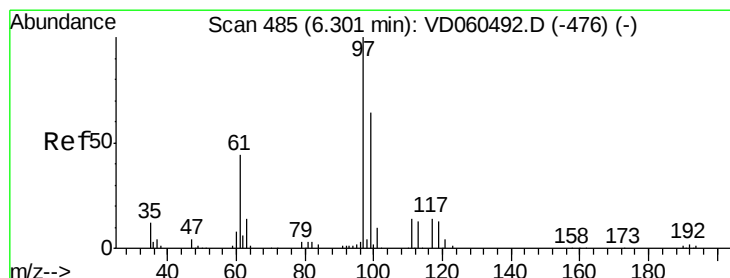
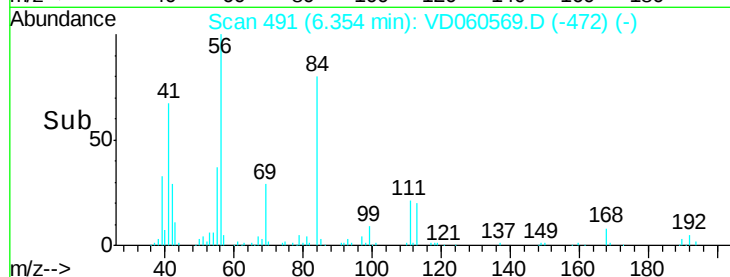
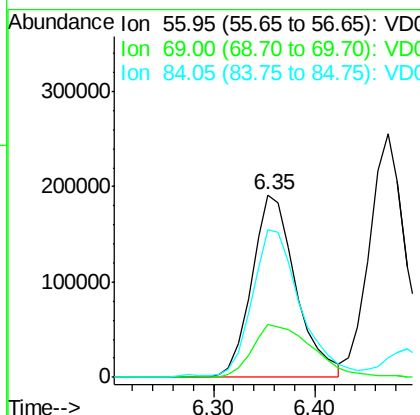
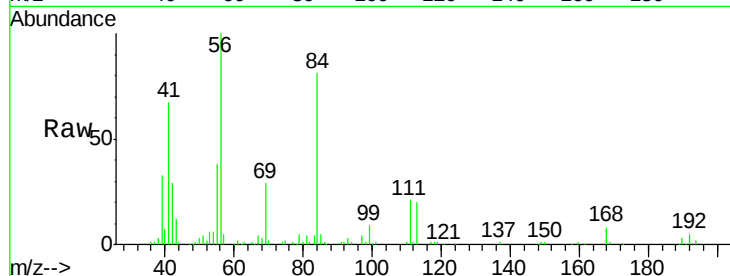
#31
Cyclohexane
Concen: 20.885 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.8	34.2
84	80.7	65.1	97.7

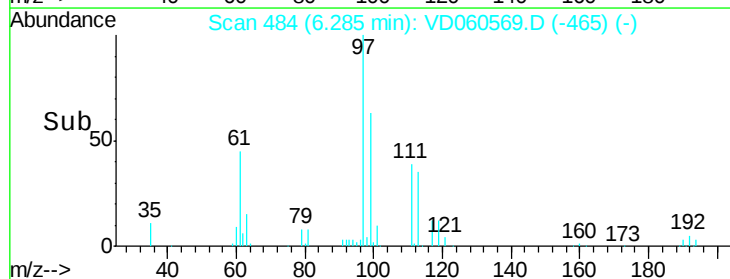
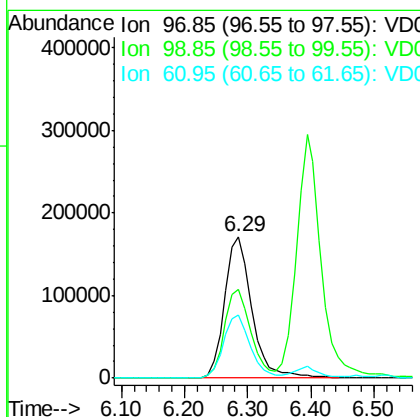
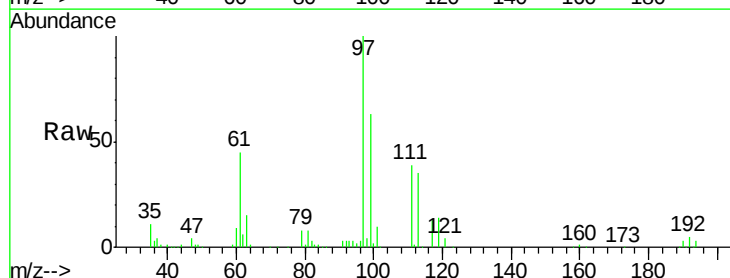
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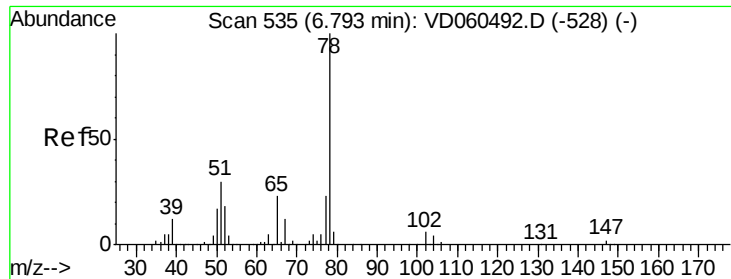
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#32
1,1,1-Trichloroethane
Concen: 21.091 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	44.7	35.3	52.9





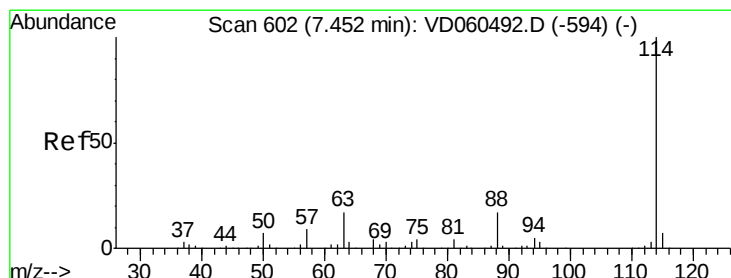
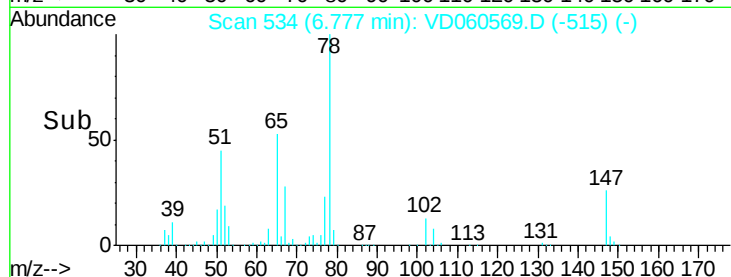
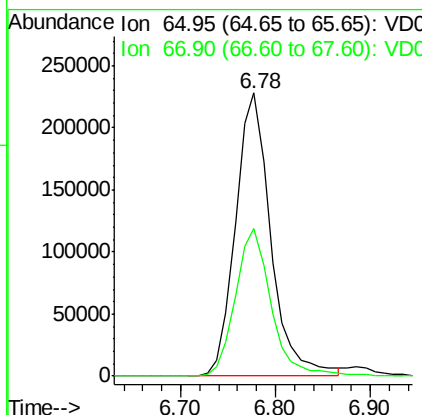
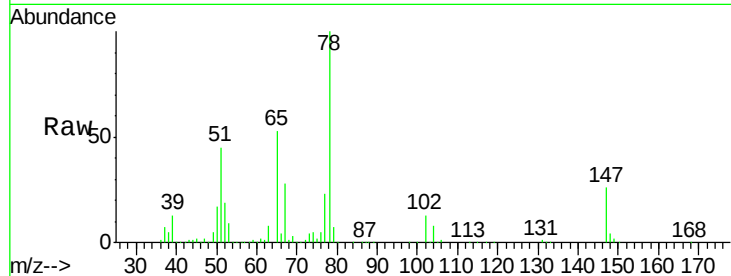
#33
 1,2-Dichloroethane-d4
 Concen: 21.091 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion: 65 Resp: 588917
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8

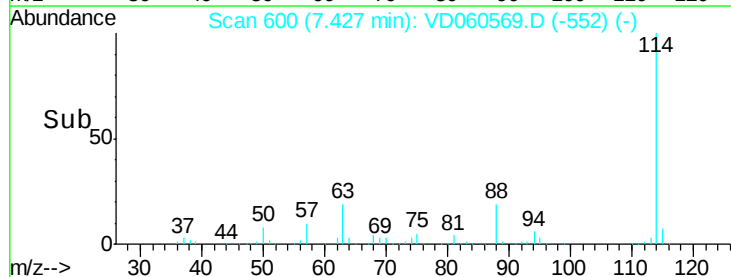
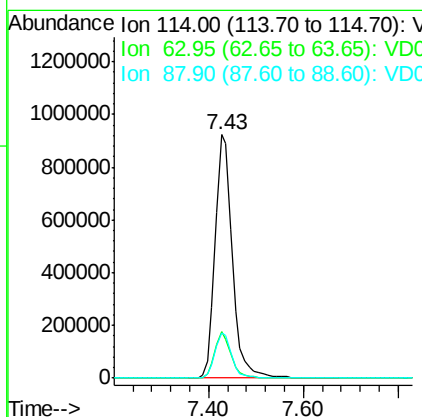
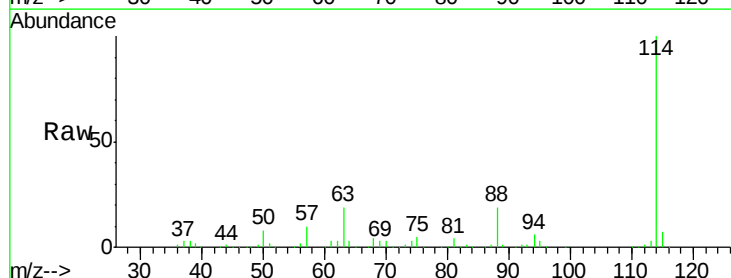
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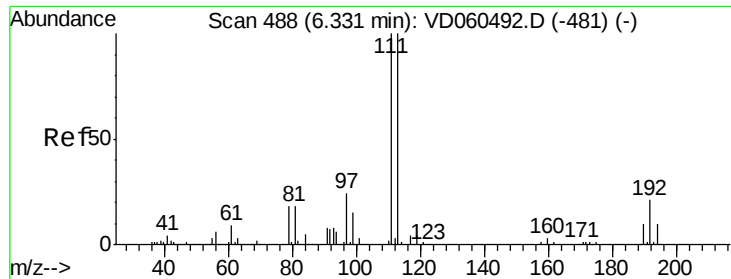
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 114 Resp: 2326898
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.2
 88 18.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

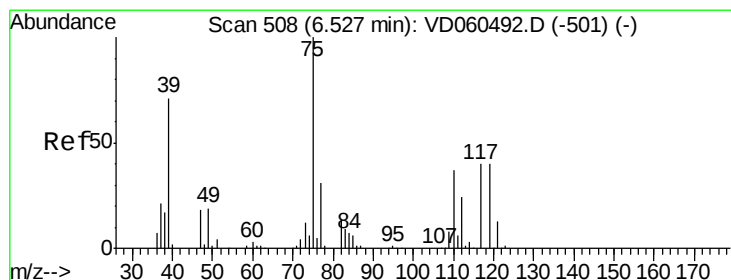
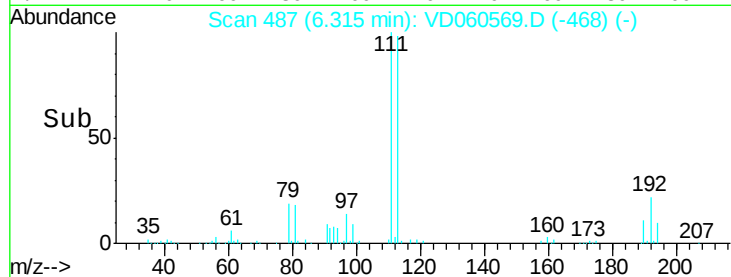
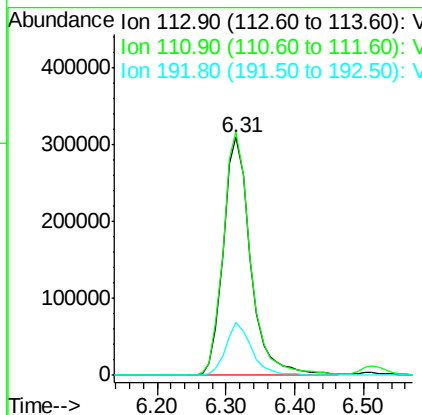
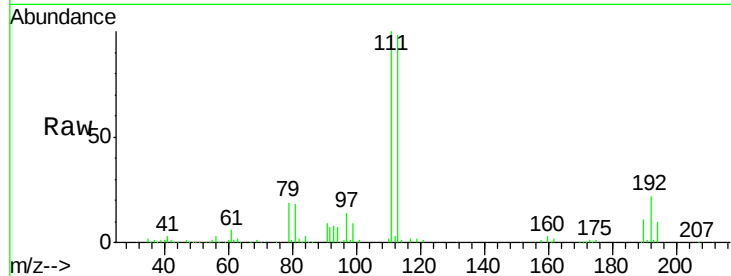
ClientSampleId :

VD1214SBS01

Tgt Ion:	113	Resp:	852538
Ion Ratio	Lower	Upper	
113	100		
111	102.3	80.2	120.4
192	22.2	16.6	24.8

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#36

1,1-Dichloropropene

Concen: 20.964 ug/l

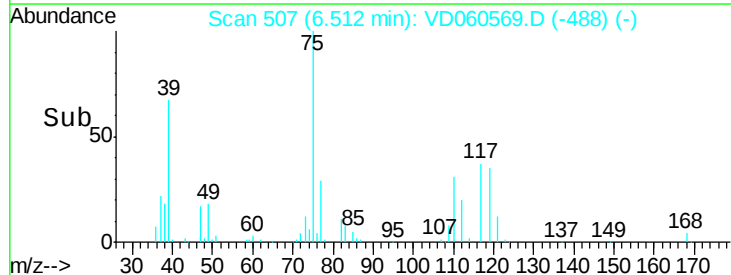
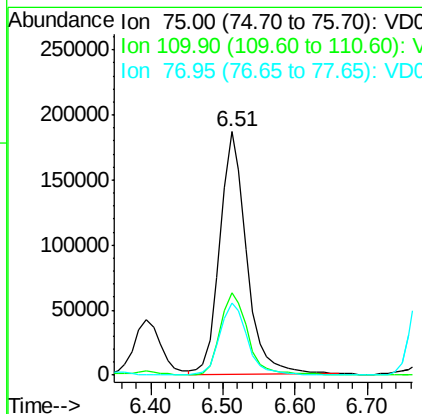
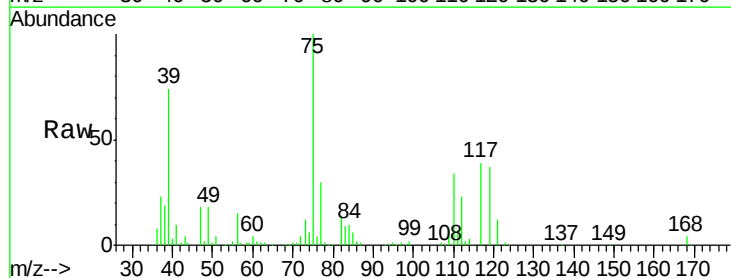
RT: 6.51 min Scan# 507

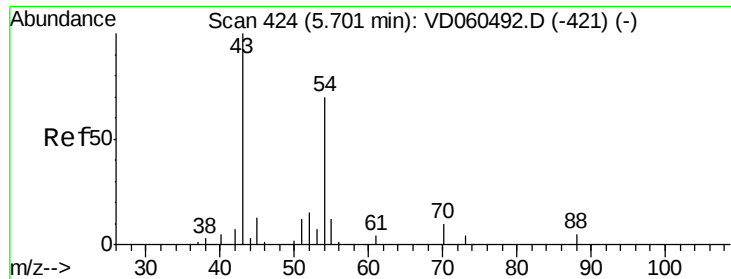
Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion:	75	Resp:	476828
Ion Ratio	Lower	Upper	
75	100		
110	33.8	18.3	54.8
77	29.6	24.6	37.0





#37

Ethyl Acetate

Concen: 21.075 ug/l

RT: 5.69 min Scan# 424

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

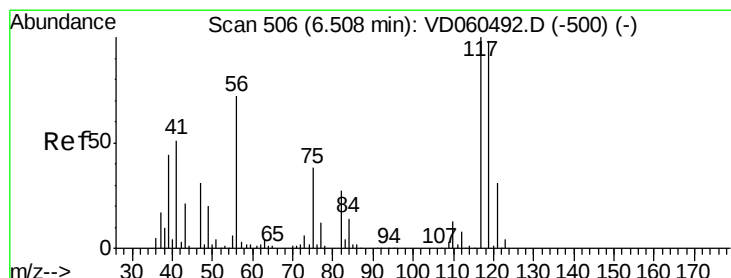
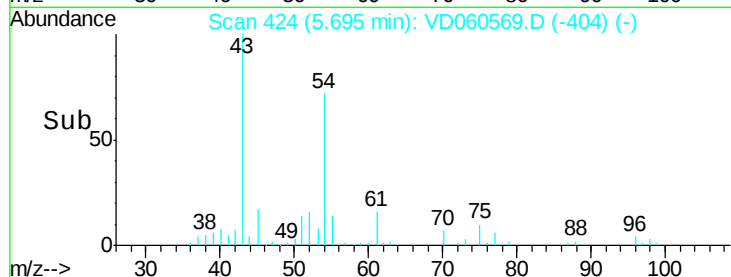
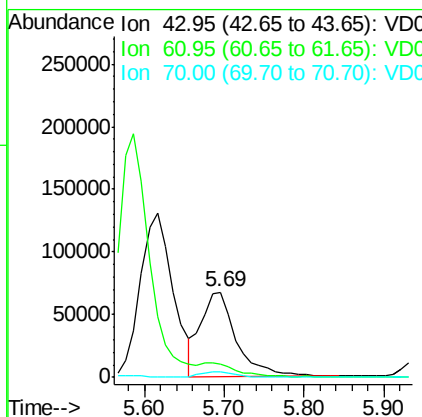
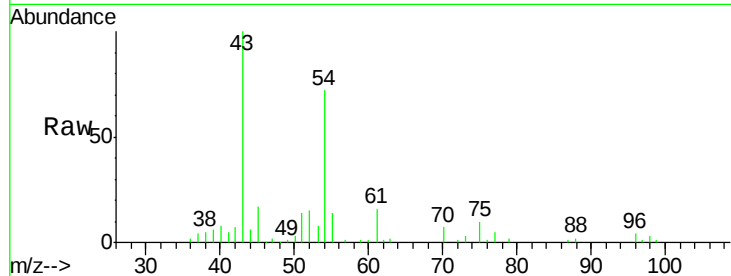
ClientSampleId :

VD1214SBS01

Tgt Ion:	43	Resp:	207891
Ion Ratio	Lower	Upper	
43	100		
61	15.9	12.4	18.6
70	7.1	5.4	8.0

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#38

Carbon Tetrachloride

Concen: 21.215 ug/l

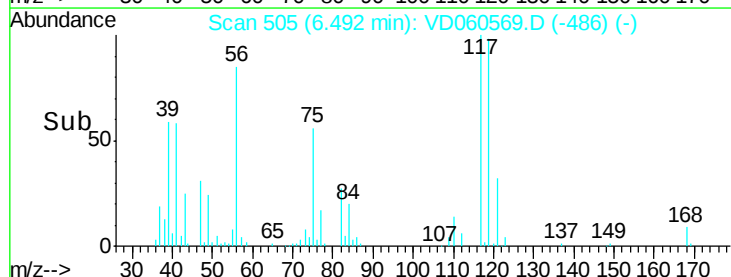
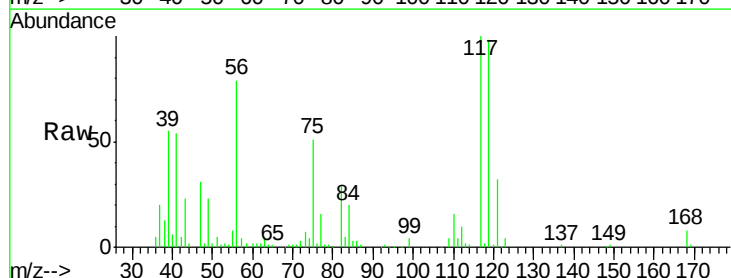
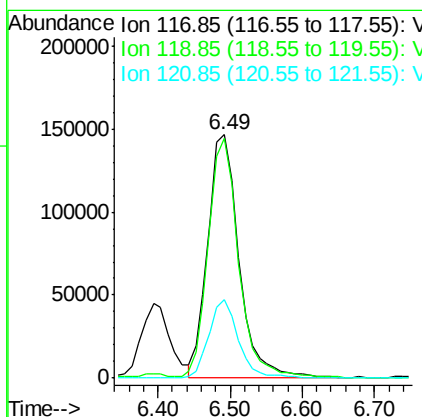
RT: 6.49 min Scan# 505

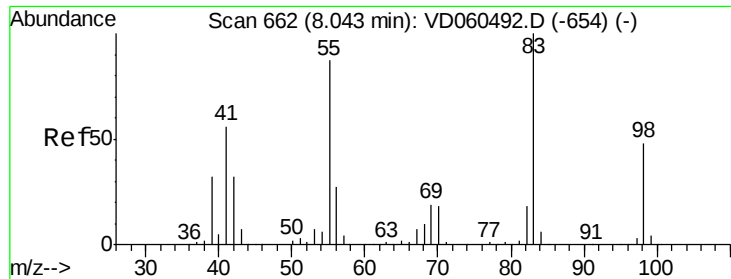
Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion:	117	Resp:	433203
Ion Ratio	Lower	Upper	
117	100		
119	98.3	76.8	115.2
121	32.1	24.4	36.6





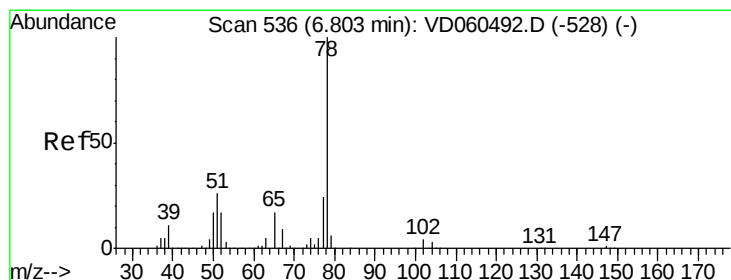
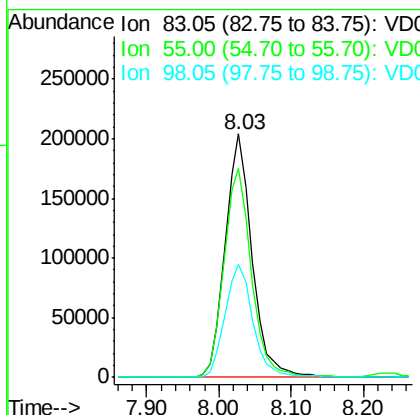
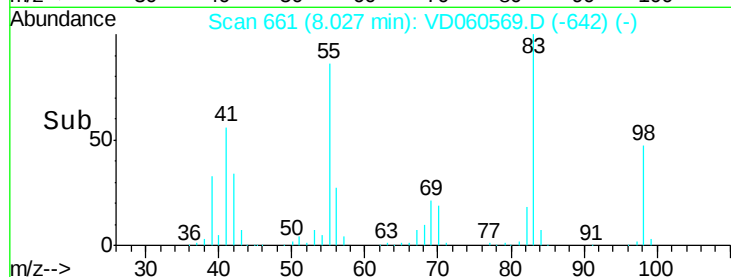
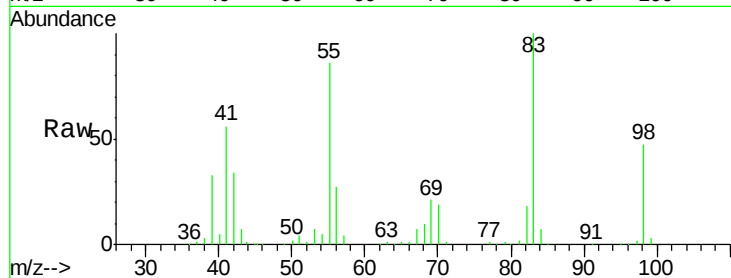
#39
Methylcyclohexane
Concen: 20.371 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.9	69.8	104.8
98	46.5	38.4	57.6

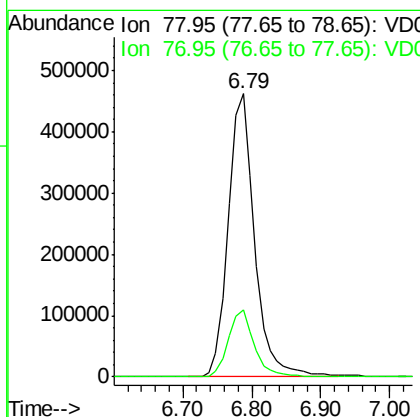
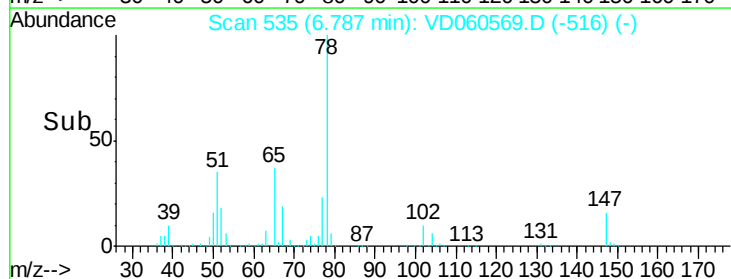
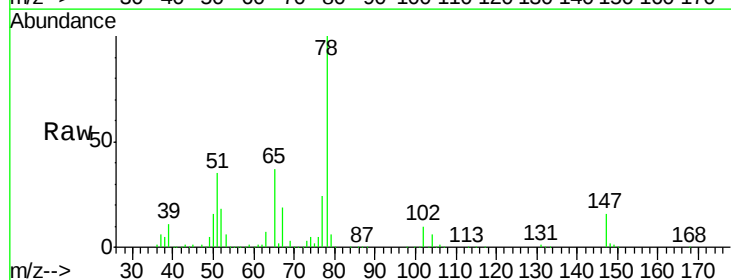
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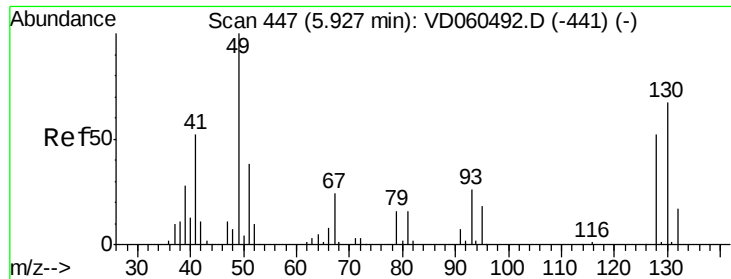
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#40
Benzene
Concen: 21.051 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





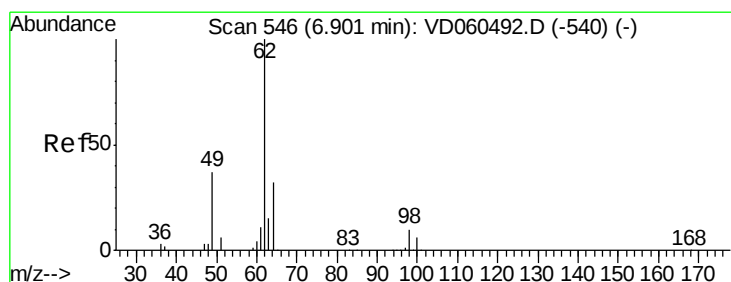
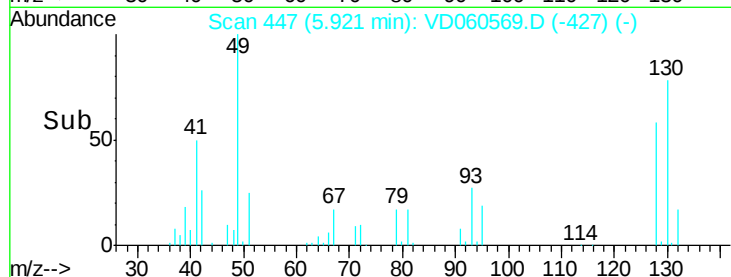
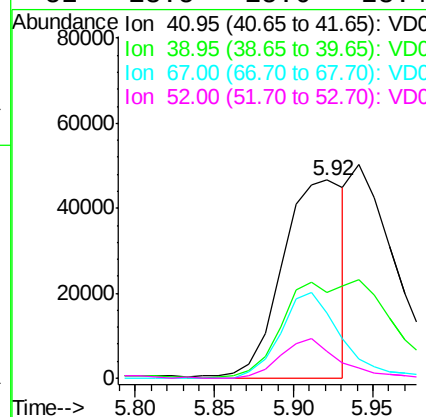
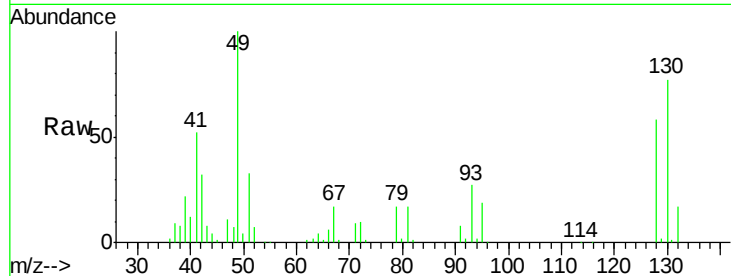
#41
Methacrylonitrile
Concen: 24.370 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	43.0	42.6	63.8
67	33.2	36.2	54.4#
52	13.5	15.6	23.4#

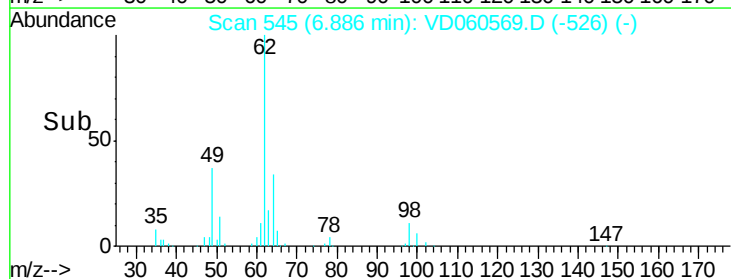
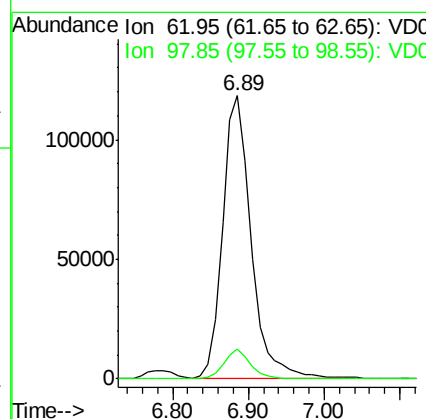
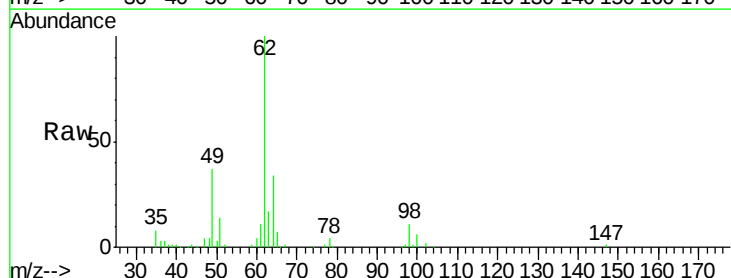
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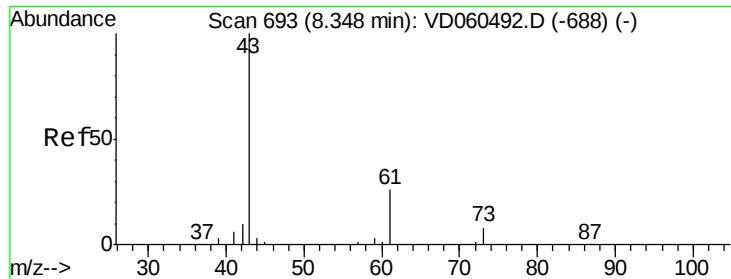
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#42
1,2-Dichloroethane
Concen: 20.813 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.834 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

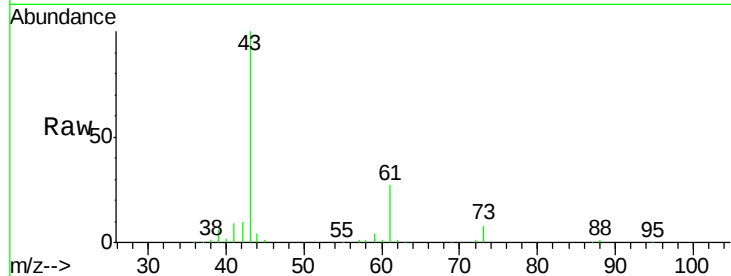
ClientSampleId :

VD1214SBS01

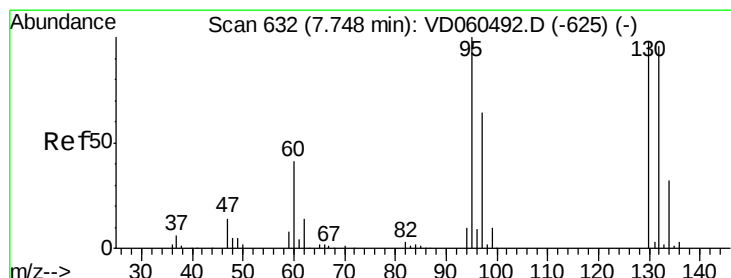
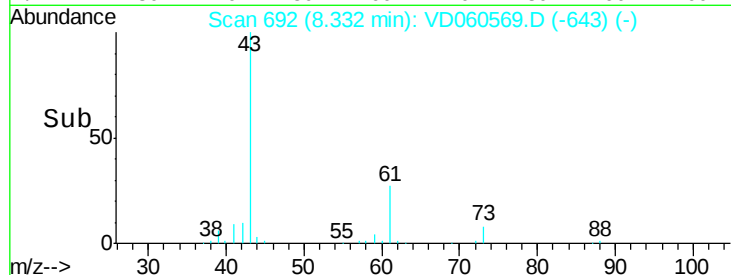
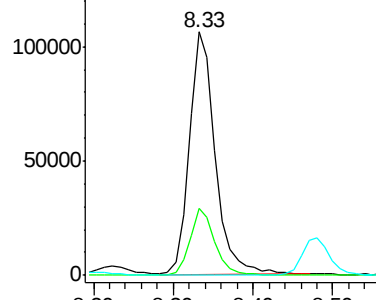
Tgt Ion:	43	Resp:	241516
Ion Ratio	Lower	Upper	
43	100		
61	27.4	21.0	31.4
87	0.3	0.2	0.2#

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



#44

Trichloroethene

Concen: 20.969 ug/l

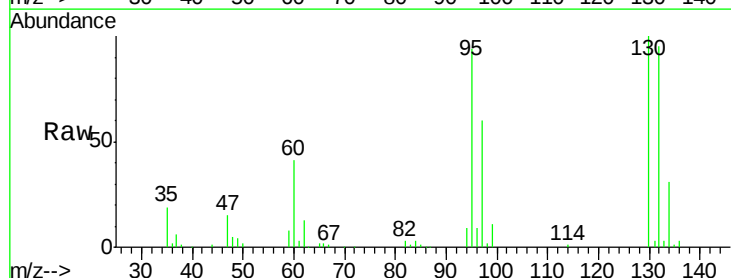
RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

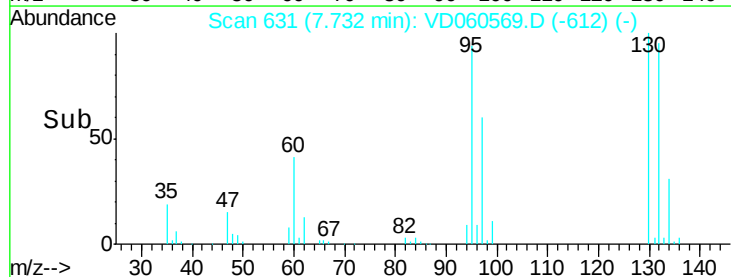
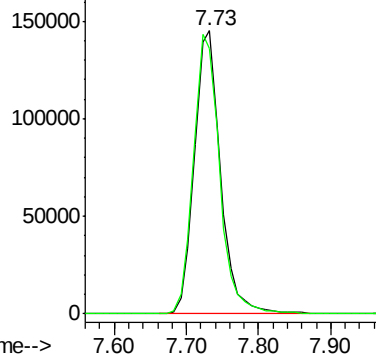
Lab File: VD060569.D

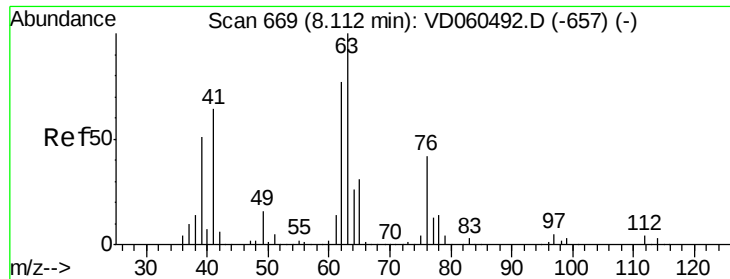
Acq: 14 Dec 2018 13:16

Tgt Ion:	130	Resp:	364279
Ion Ratio	Lower	Upper	
130	100		
95	93.9	0.0	203.8



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





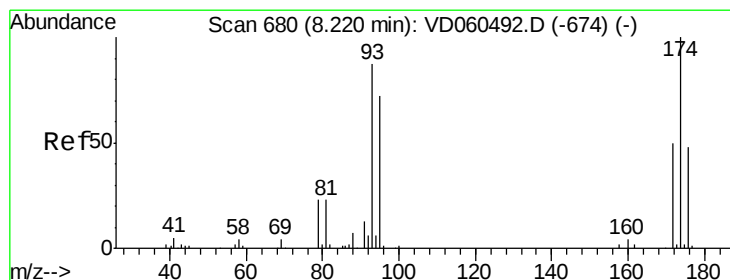
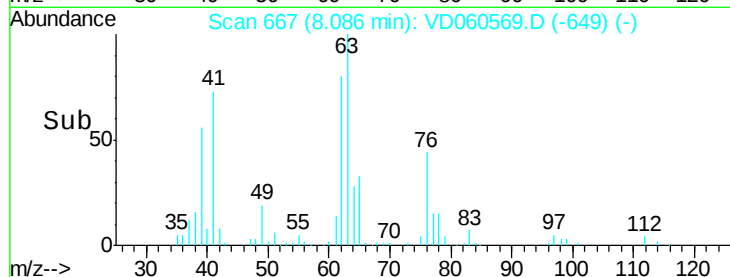
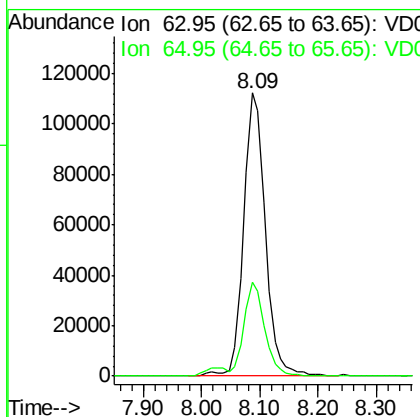
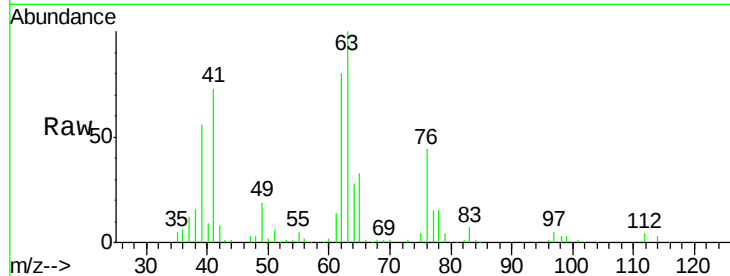
#45
 1,2-Dichloropropane
 Concen: 20.237 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion: 63 Resp: 290936
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.6 37.0

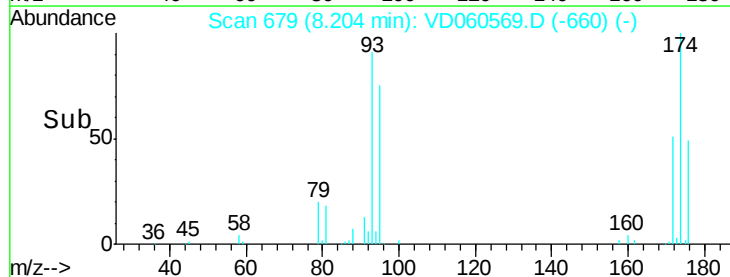
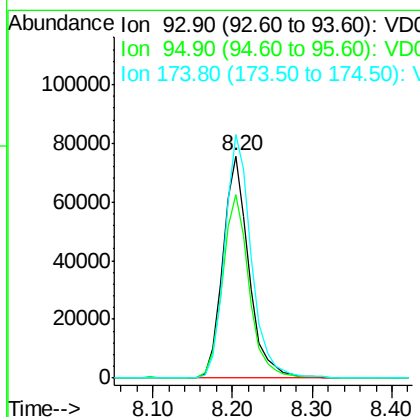
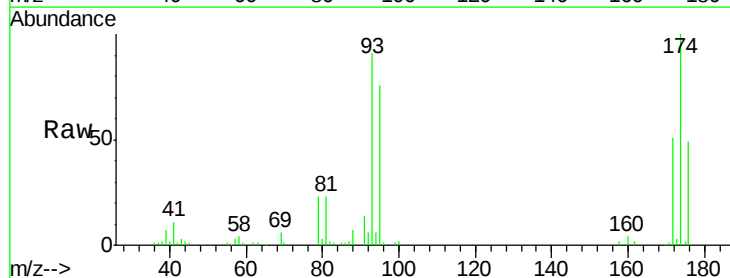
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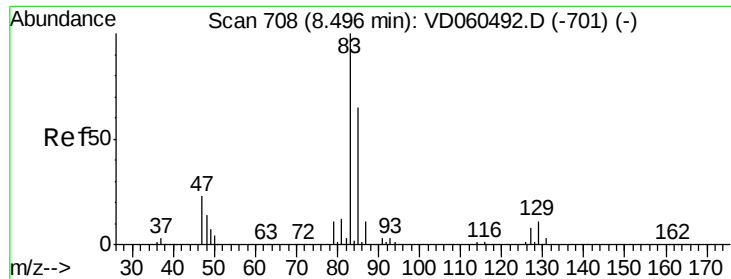
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#46
 Dibromomethane
 Concen: 20.859 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 93 Resp: 173267
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.6 98.4
 174 109.6 91.7 137.5





#47

Bromodichloromethane

Concen: 20.365 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

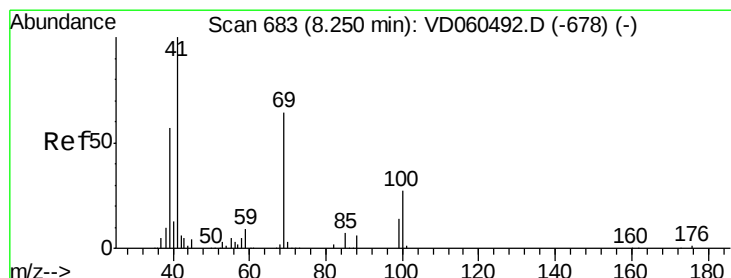
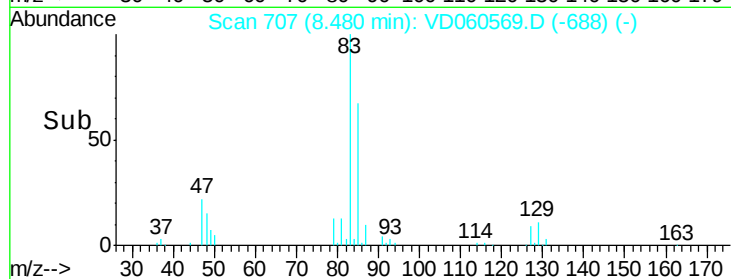
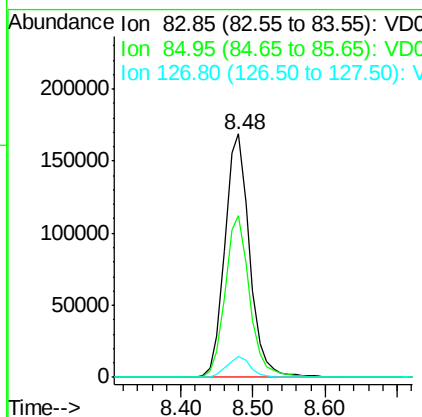
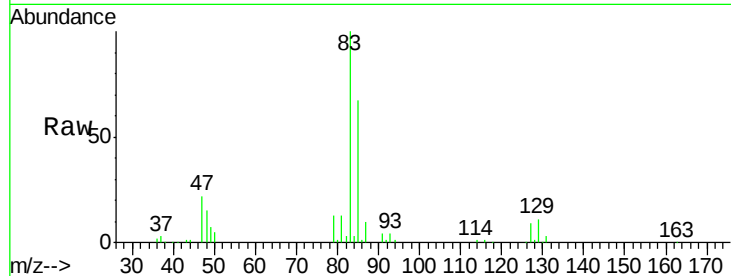
ClientSampleId :

VD1214SBS01

Tgt Ion:	83	Resp:	401368
Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.2	78.4
127	8.6	6.7	10.1

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#48

Methyl methacrylate

Concen: 20.917 ug/l

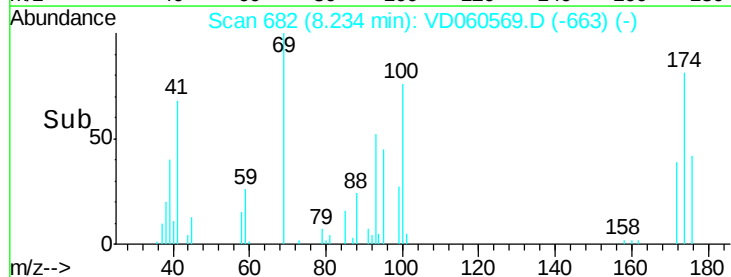
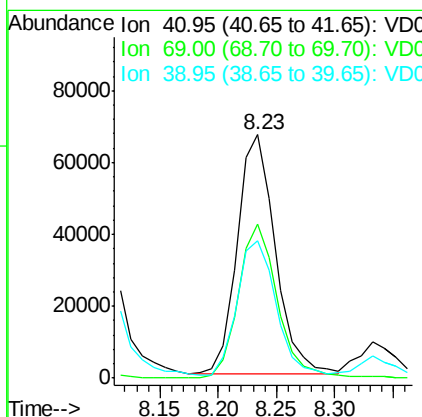
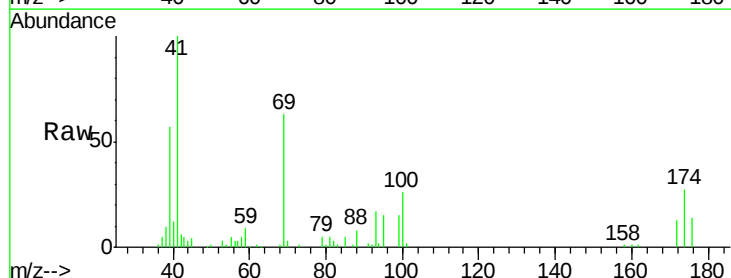
RT: 8.23 min Scan# 682

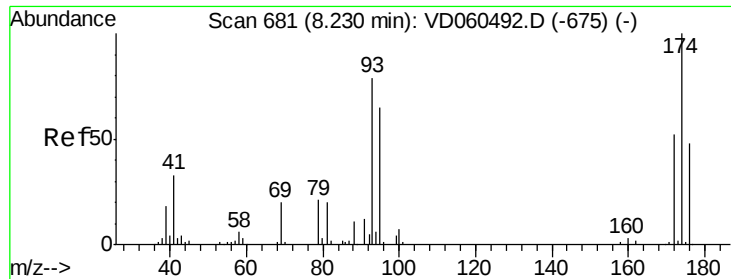
Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion:	41	Resp:	150701
Ion	Ratio	Lower	Upper
41	100		
69	63.4	50.2	75.4
39	56.7	46.1	69.1





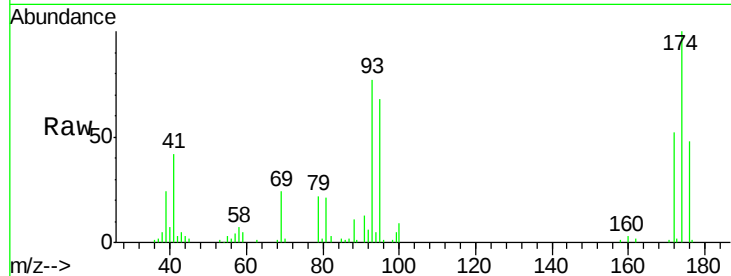
#49
1,4-Dioxane
Concen: 406.803 ug/l
RT: 8.21 min Scan# 680
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

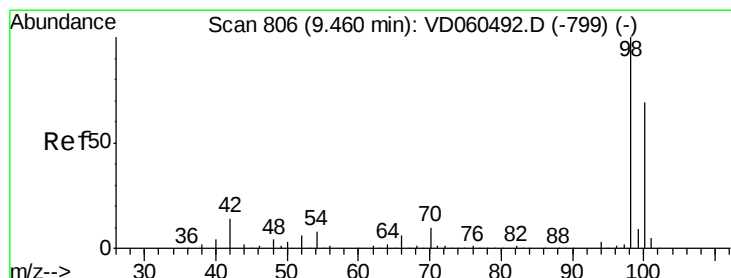
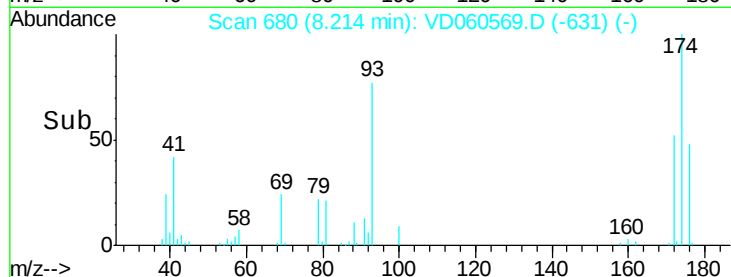
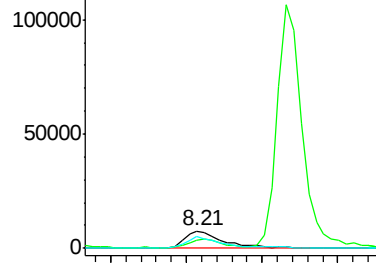
Tgt Ion	Ratio	Lower	Upper
88	100		
43	45.8	32.9	49.3
58	67.5	47.7	71.5

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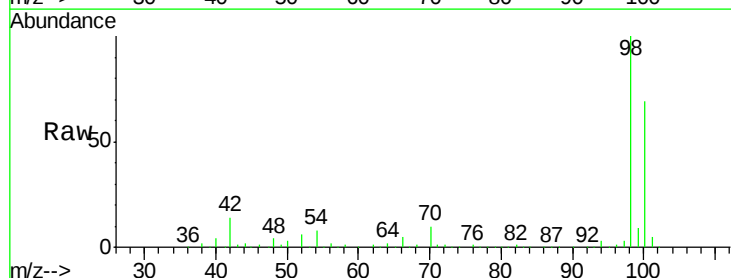


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

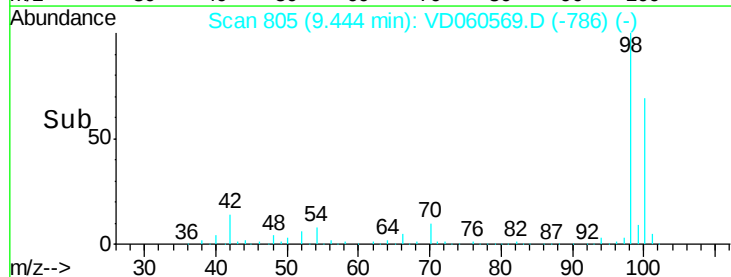
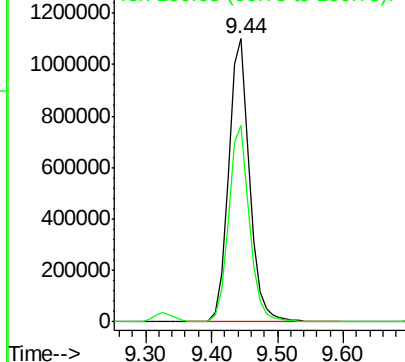


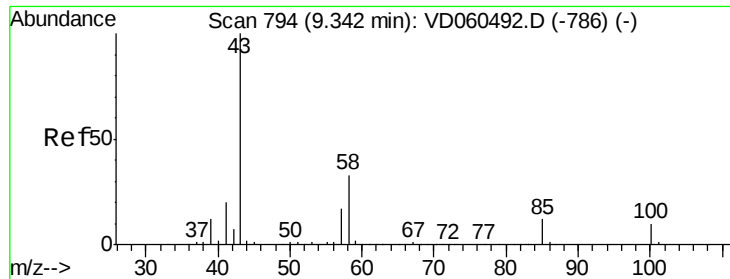
#50
Toluene-d8
Concen: 406.803 ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.7	83.5



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





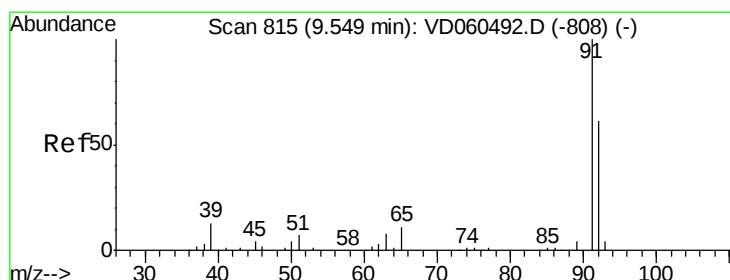
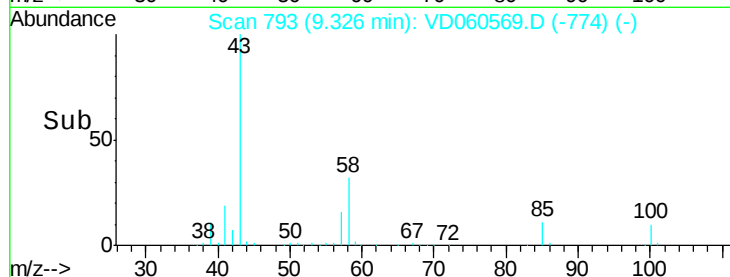
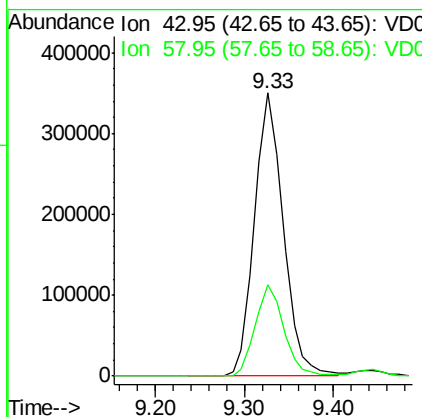
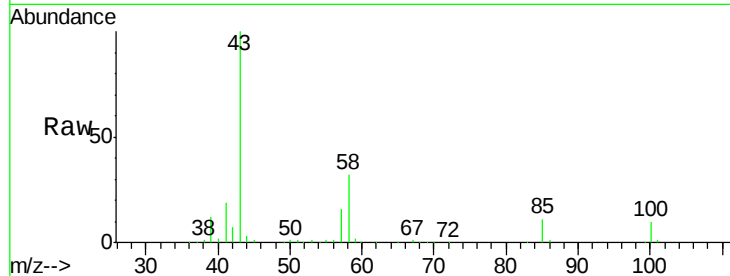
#51
 4-Methyl-2-Pentanone
 Concen: 103.452 ug/l
 RT: 9.33 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion: 43 Resp: 783581
 Ion Ratio Lower Upper
 43 100
 58 32.2 26.3 39.5

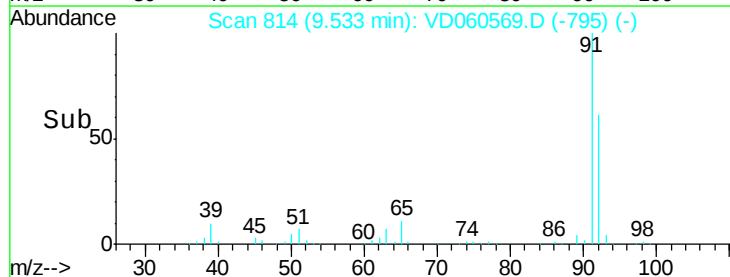
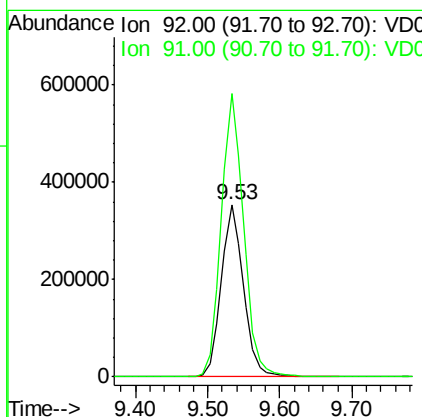
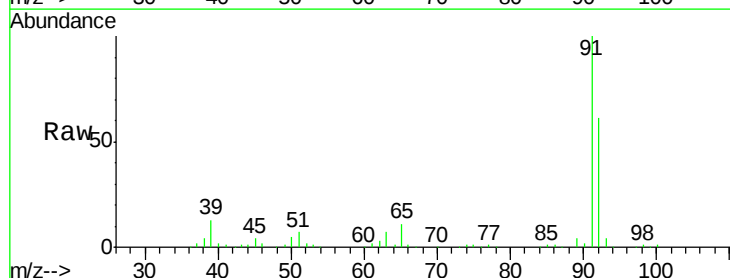
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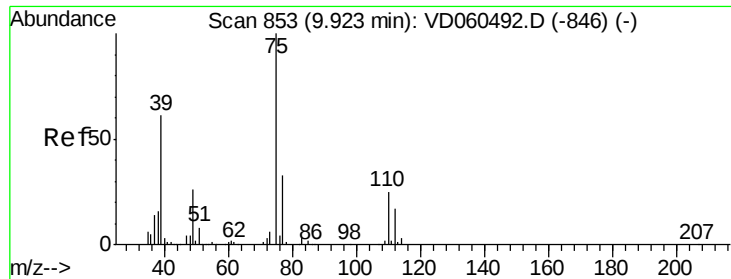
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#52
 Toluene
 Concen: 20.749 ug/l
 RT: 9.53 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 92 Resp: 753861
 Ion Ratio Lower Upper
 92 100
 91 164.1 131.7 197.5





#53

t-1,3-Dichloropropene

Concen: 21.015 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 75 Resp: 340335

Ion Ratio Lower Upper

75 100

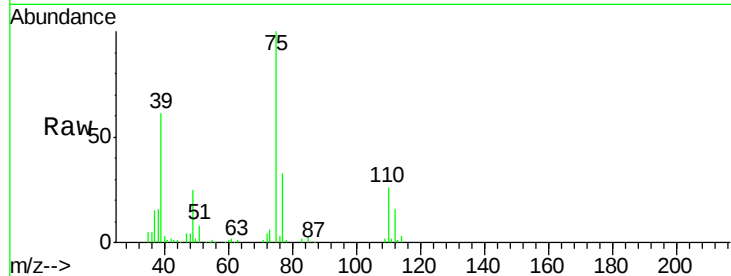
77 32.8 26.2 39.2

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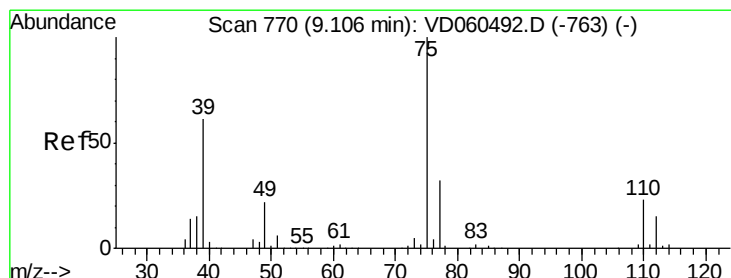
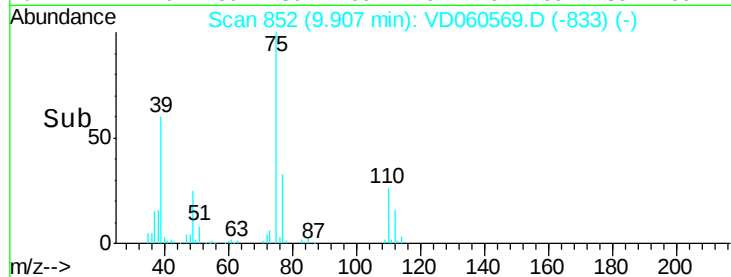
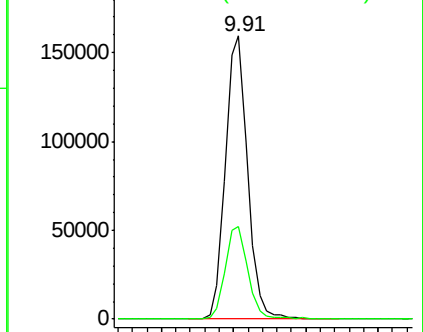
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.732 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

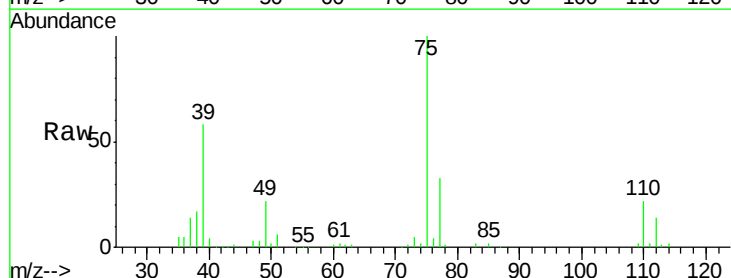
Tgt Ion: 75 Resp: 441134

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4

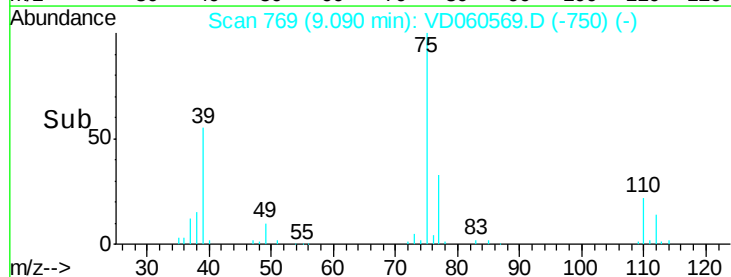
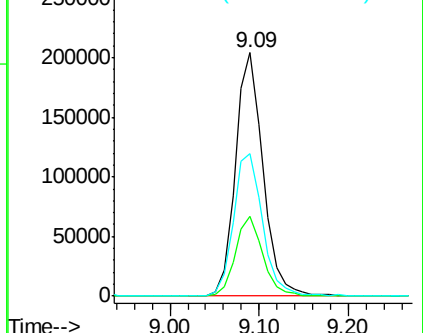
39 58.3 48.6 73.0

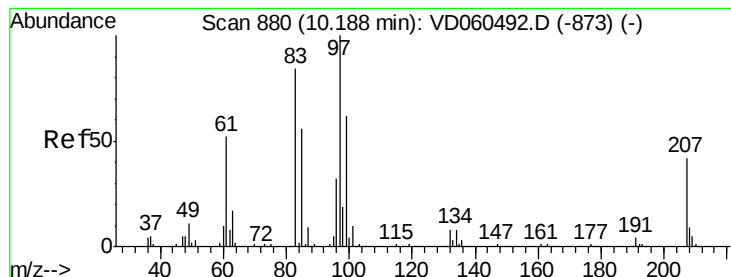


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.618 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

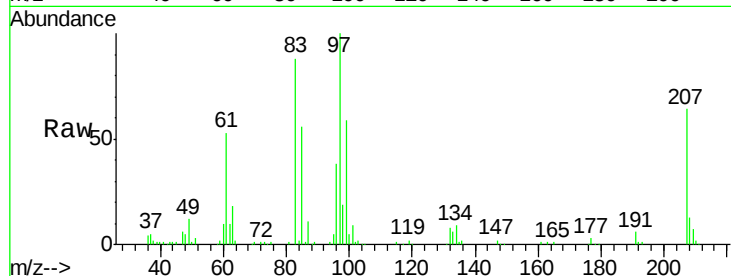
ClientSampleId :

VD1214SBS01

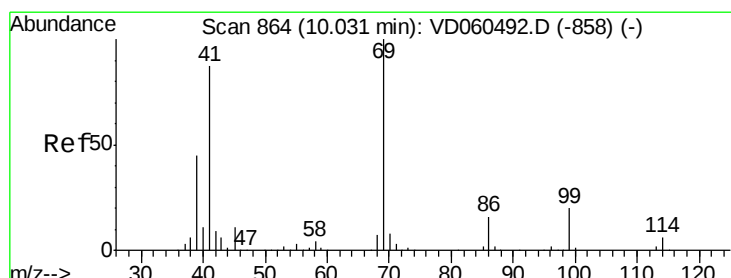
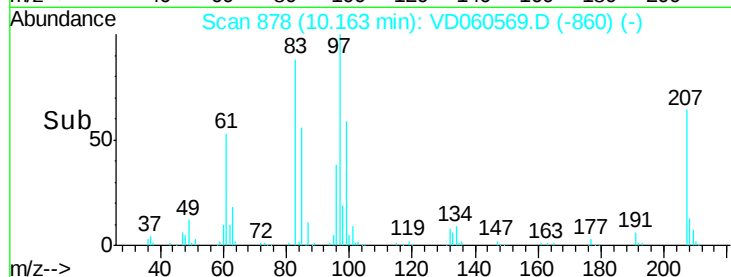
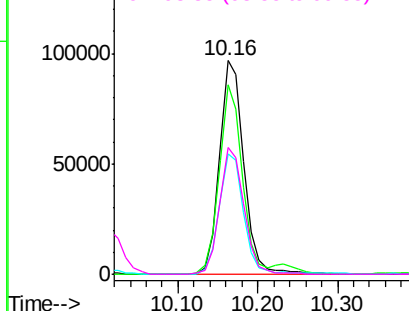
Tgt Ion:	97	Resp:	208611
Ion Ratio	Lower	Upper	
97	100		
83	88.4	67.2	100.8
85	56.4	44.5	66.7
99	59.2	49.3	73.9

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



#56

Ethyl methacrylate

Concen: 21.034 ug/l

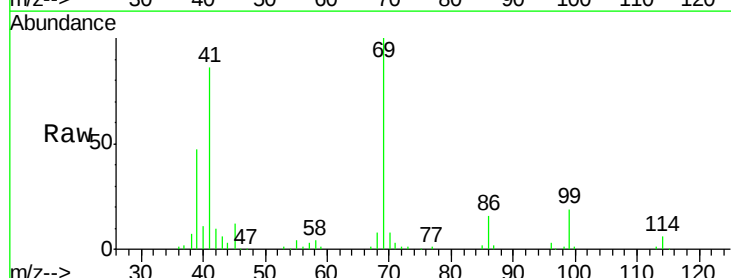
RT: 10.02 min Scan# 863

Delta R.T. -0.02 min

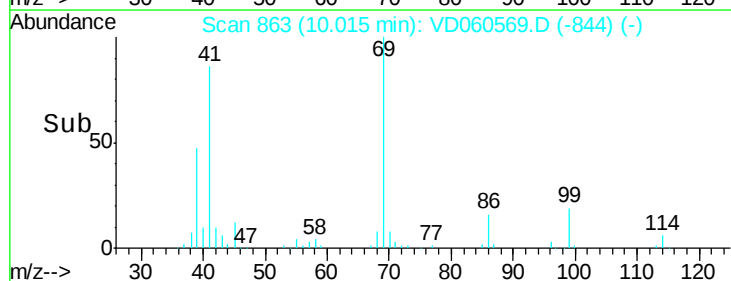
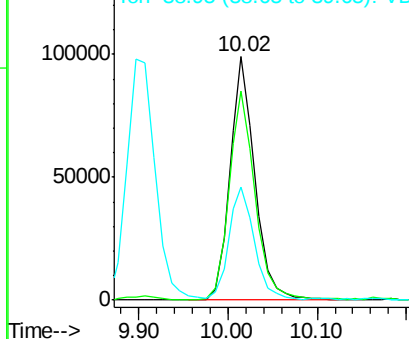
Lab File: VD060569.D

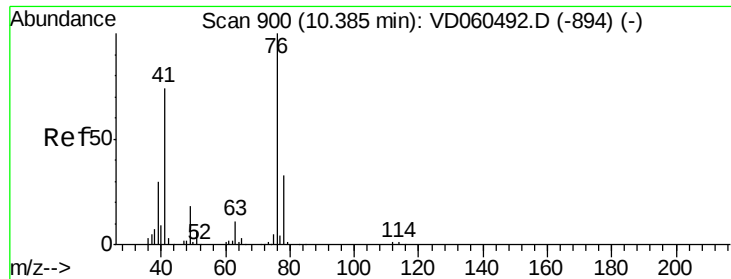
Acq: 14 Dec 2018 13:16

Tgt Ion:	69	Resp:	192604
Ion Ratio	Lower	Upper	
69	100		
41	85.8	69.8	104.8
39	46.6	37.5	56.3



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





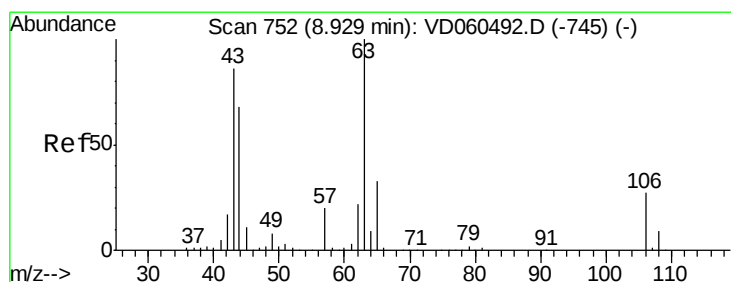
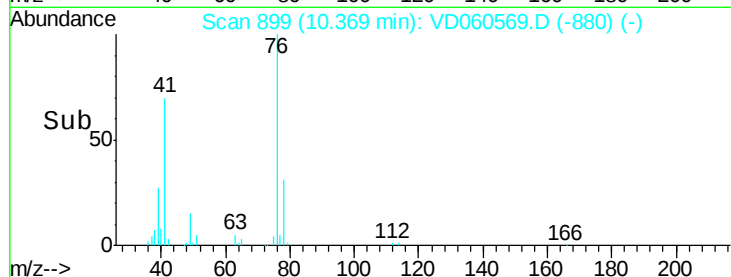
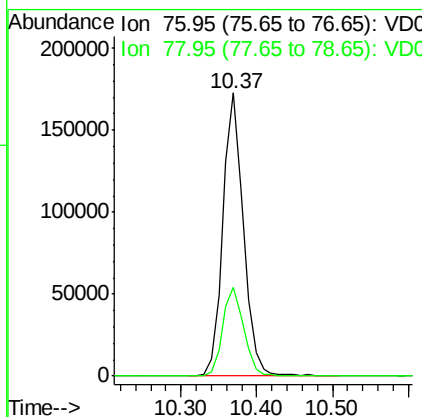
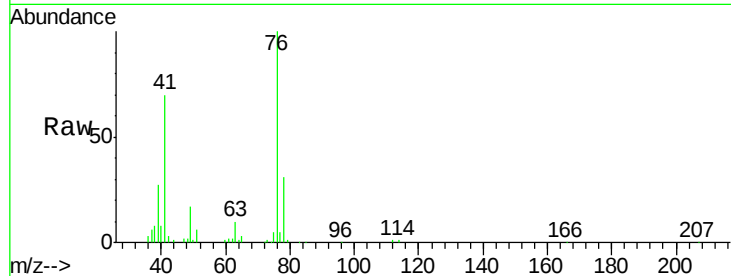
#57
 1,3-Dichloropropane
 Concen: 20.845 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion: 76 Resp: 326030
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.1 39.1

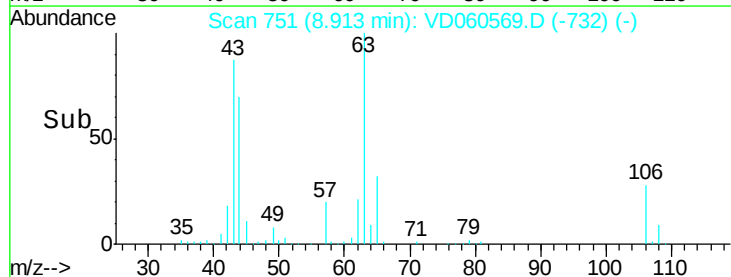
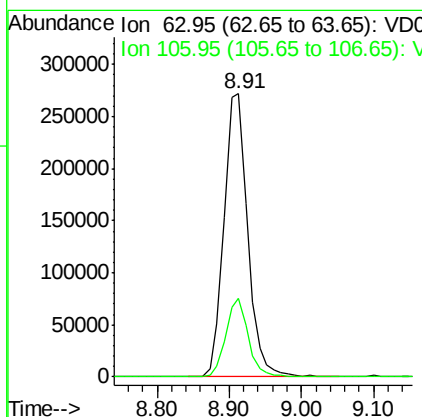
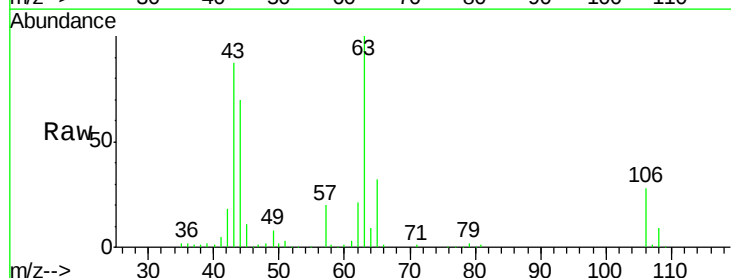
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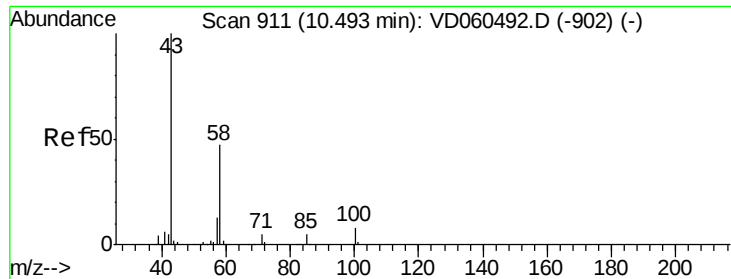
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.009 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 63 Resp: 619173
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.6 32.4





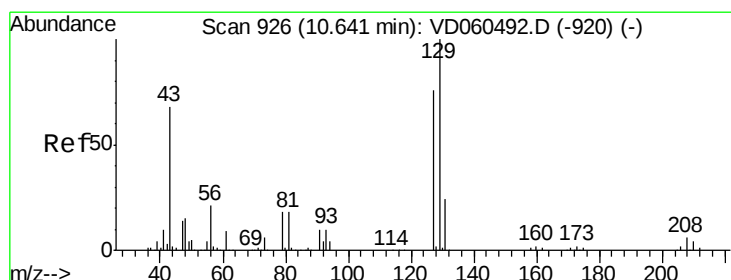
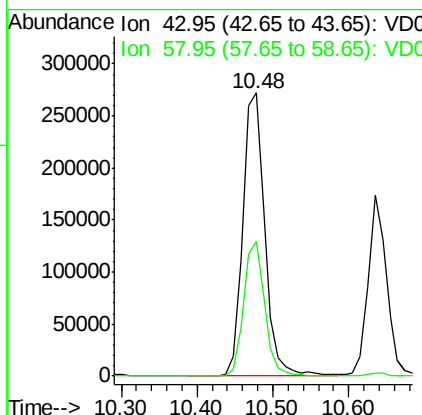
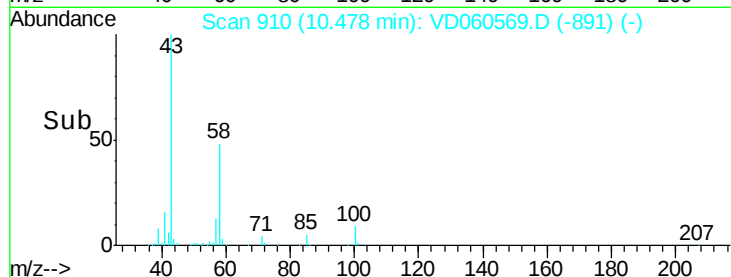
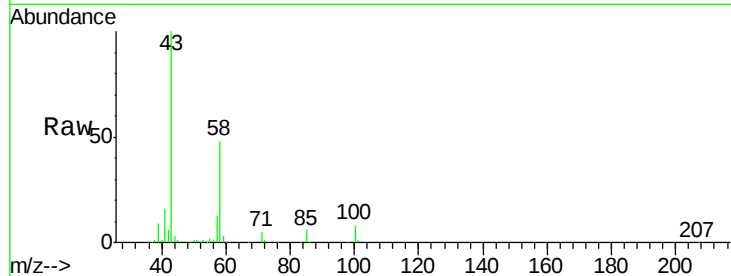
#59
2-Hexanone
Concen: 103.114 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion: 43 Resp: 545915
Ion Ratio Lower Upper
43 100
58 47.6 23.4 70.2

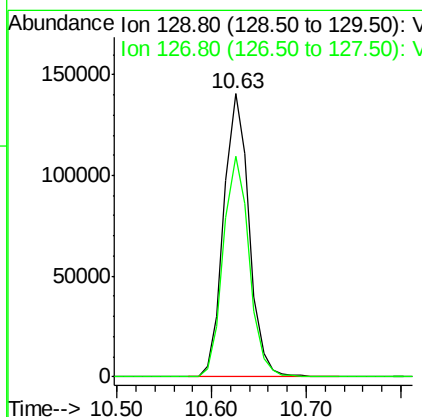
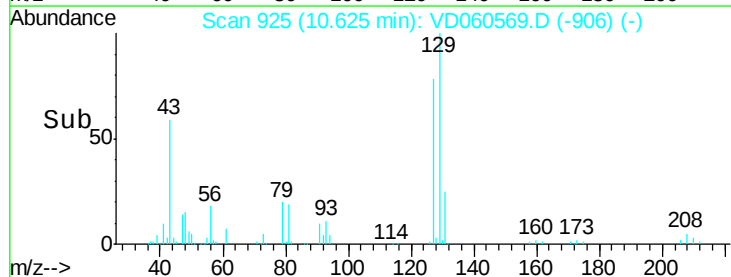
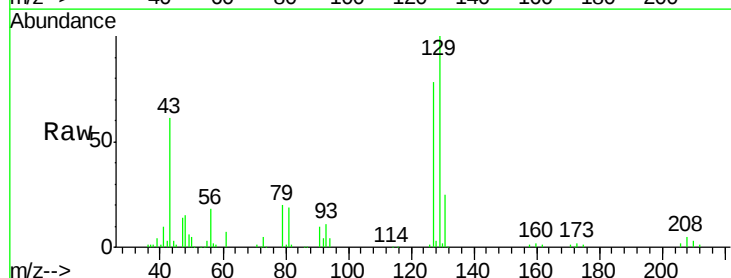
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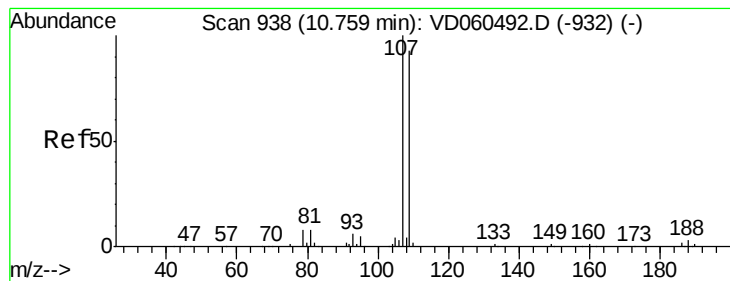
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#60
Dibromochloromethane
Concen: 20.660 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 129 Resp: 261354
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.858 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 107 Resp: 215071

Ion Ratio Lower Upper

107 100

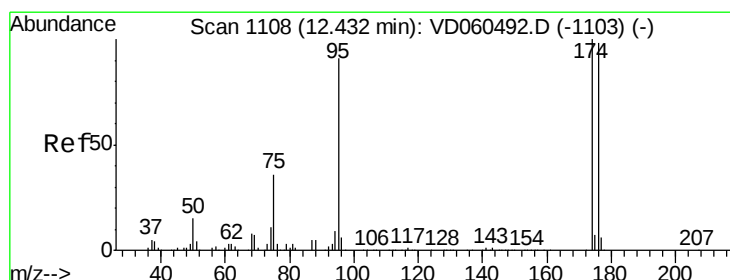
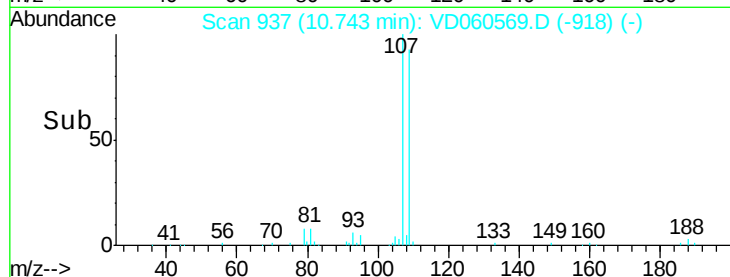
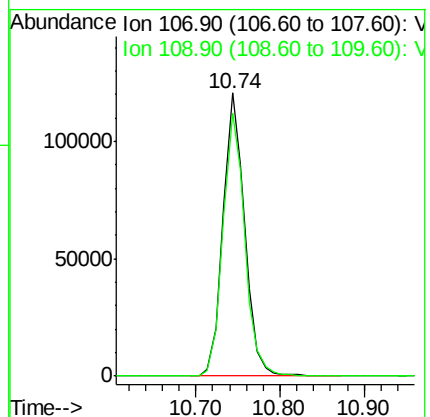
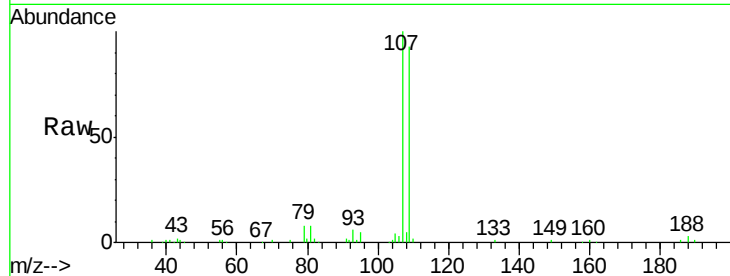
109 93.0 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 20.858 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

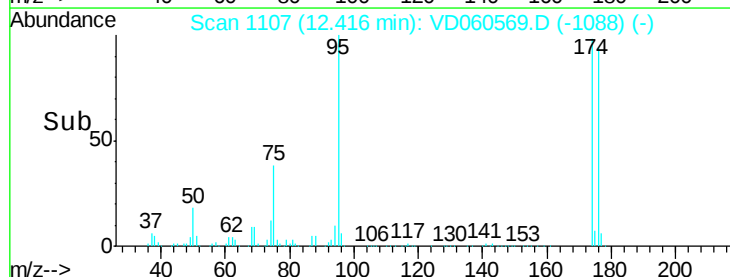
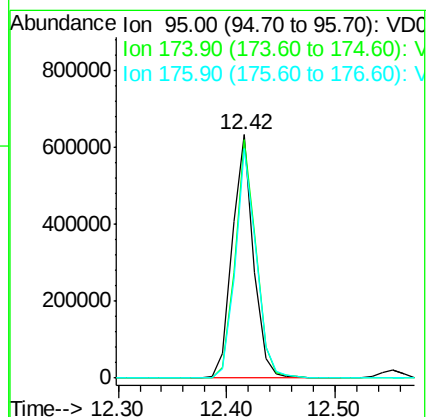
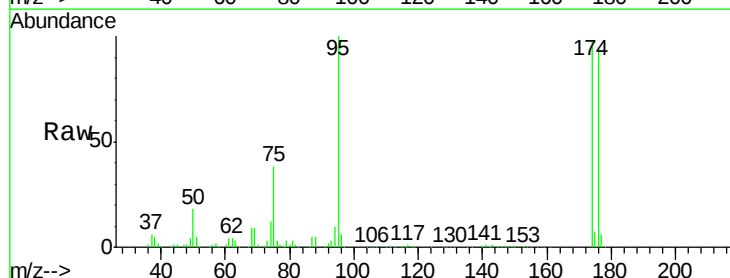
Tgt Ion: 95 Resp: 861063

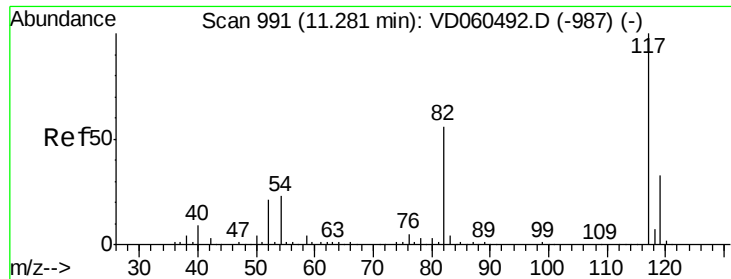
Ion Ratio Lower Upper

95 100

174 97.8 0.0 219.4

176 94.3 0.0 214.6





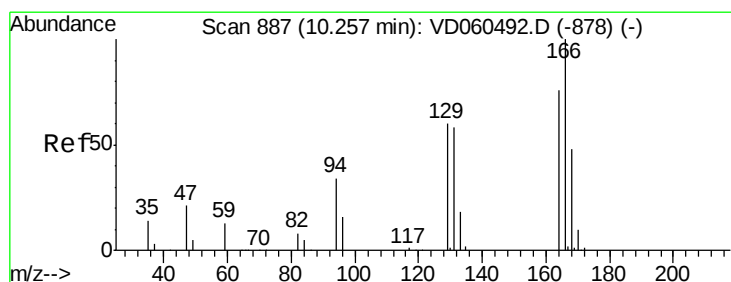
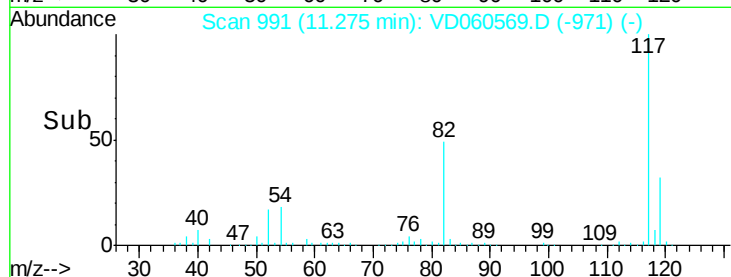
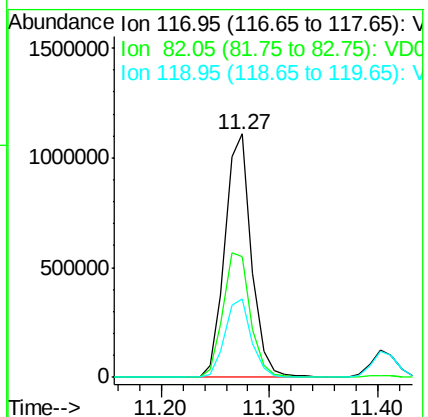
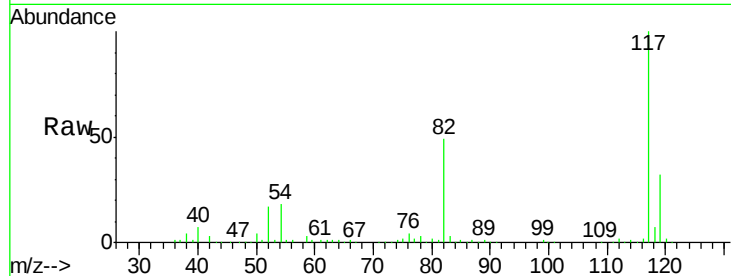
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion:117 Resp: 1883895
Ion Ratio Lower Upper
117 100
82 49.4 45.2 67.8
119 32.2 26.1 39.1

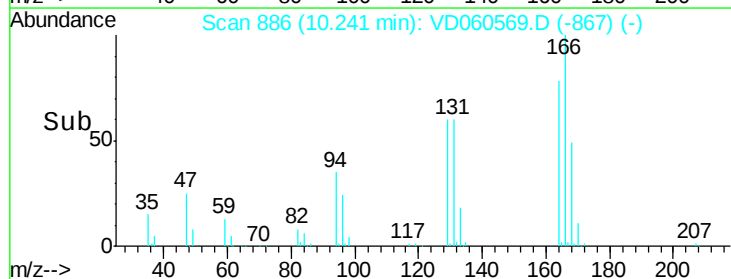
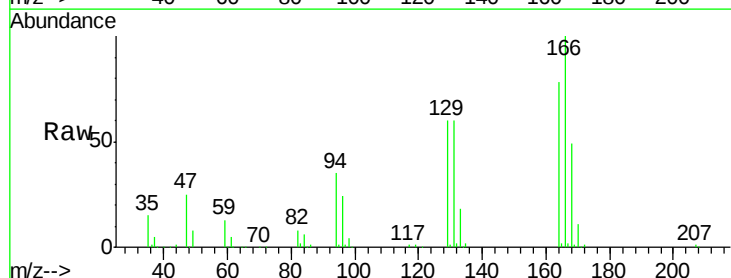
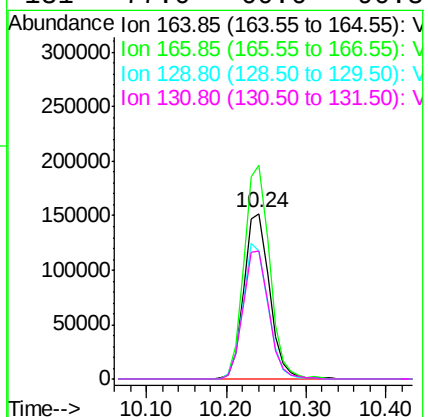
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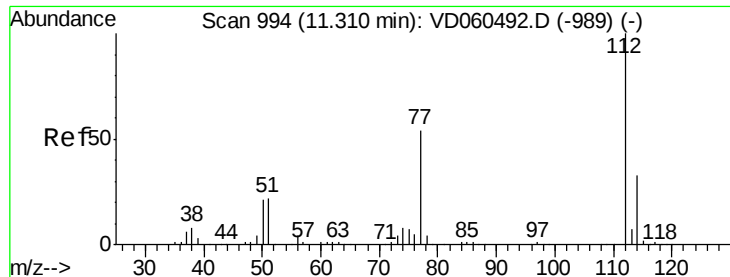
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#64
Tetrachloroethene
Concen: 20.122 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:164 Resp: 335662
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 76.9 63.0 94.4
131 77.0 60.6 90.8





#65

Chlorobenzene

Concen: 20.510 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion:112 Resp: 817444

Ion Ratio Lower Upper

112 100

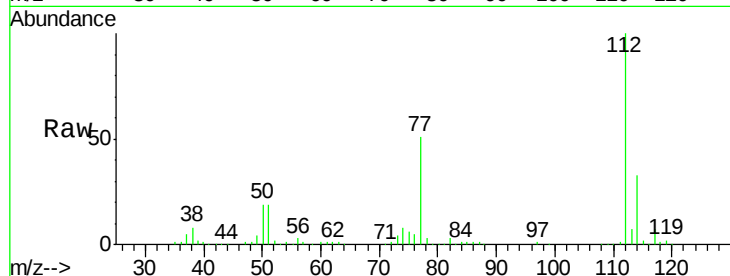
114 32.8 26.2 39.4

Manual Integrations

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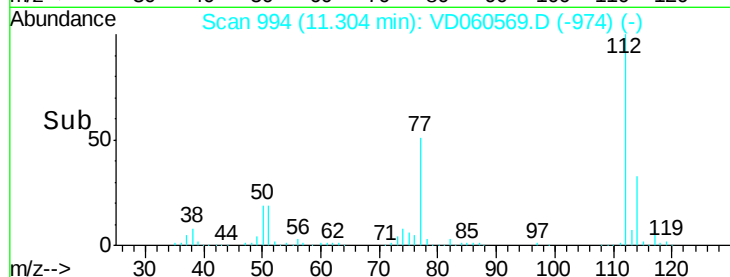
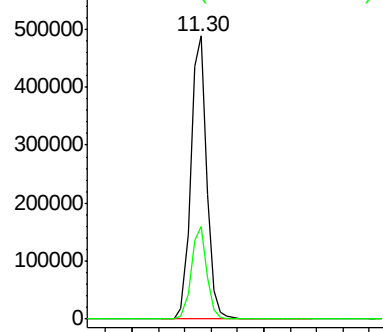
apatel

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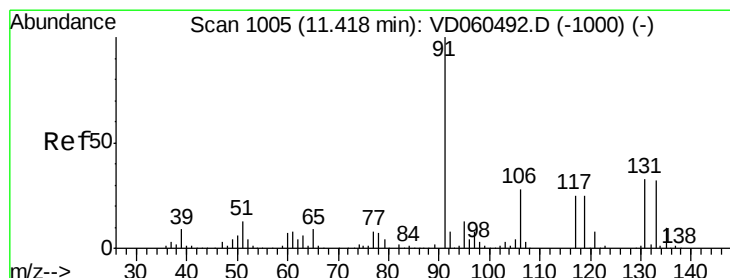


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.243 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

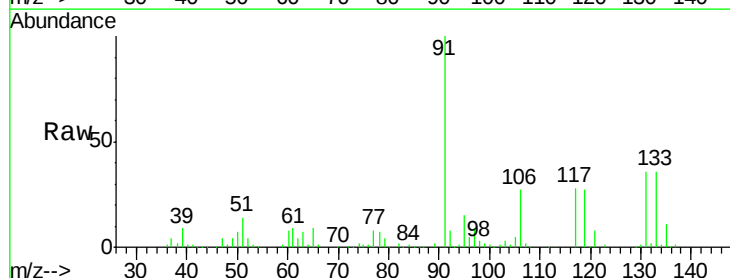
Tgt Ion:131 Resp: 272887

Ion Ratio Lower Upper

131 100

133 98.0 49.1 147.3

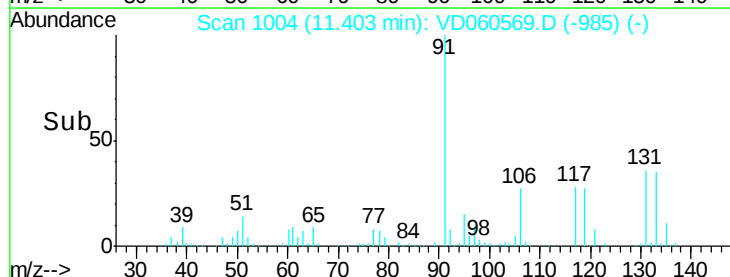
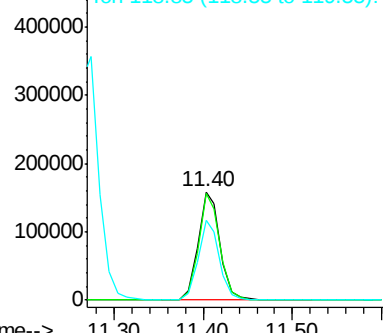
119 73.6 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->



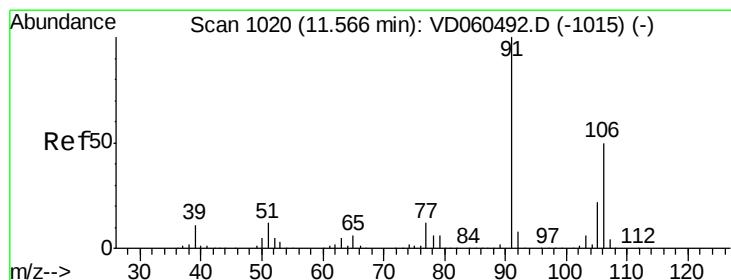
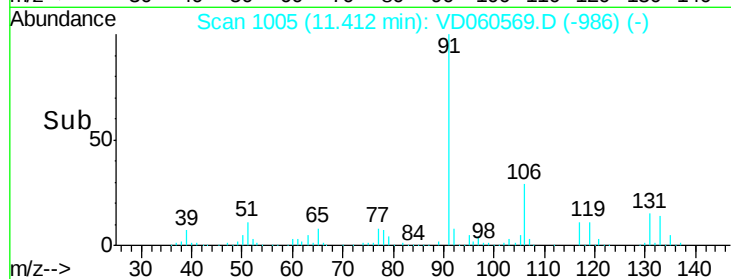
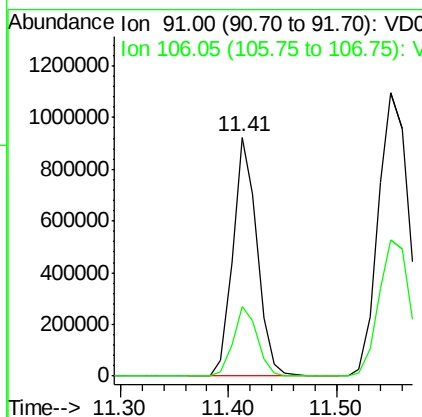
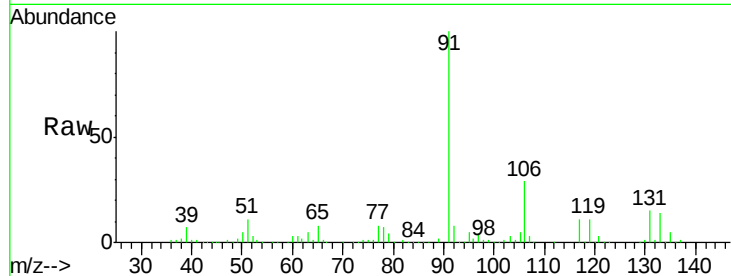
#67
Ethyl Benzene
Concen: 21.083 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion: 91 Resp: 1433267
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0

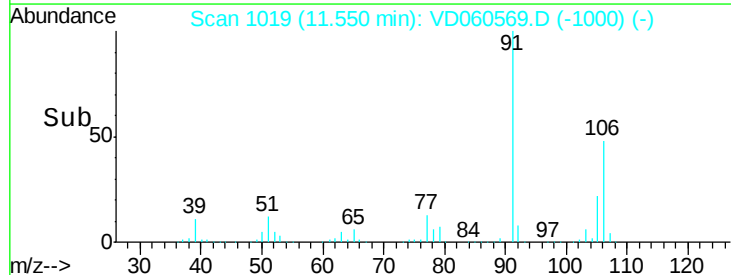
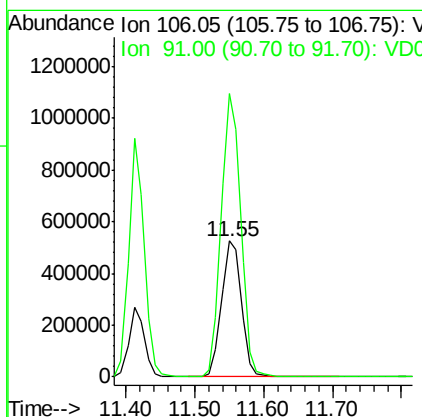
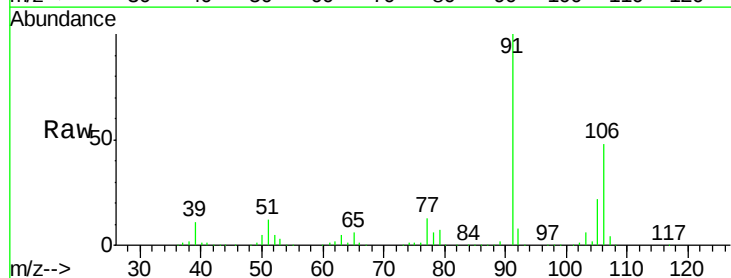
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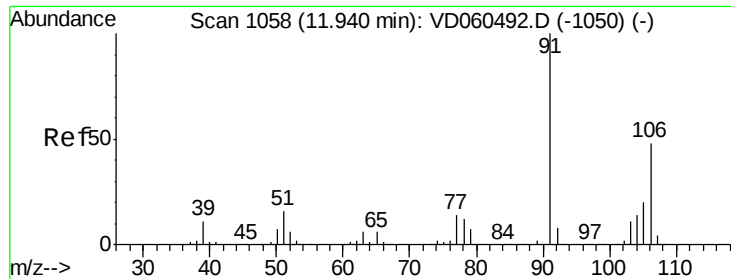
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#68
m/p-Xylenes
Concen: 41.638 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 106 Resp: 1047178
Ion Ratio Lower Upper
106 100
91 208.4 160.5 240.7





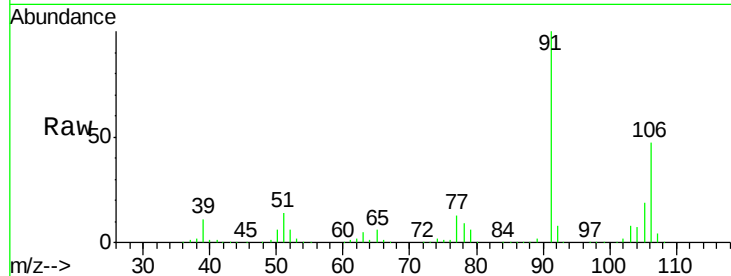
#69
o-Xylene
Concen: 20.529 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

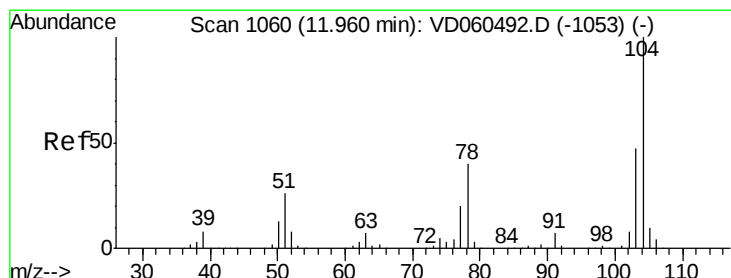
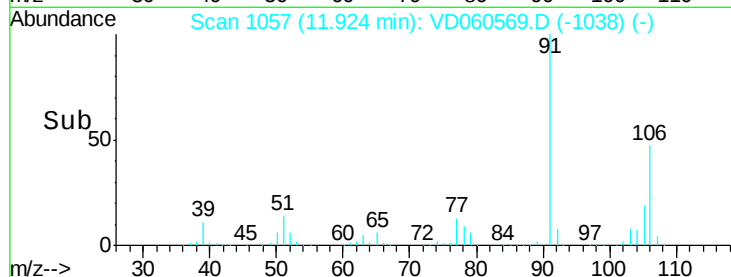
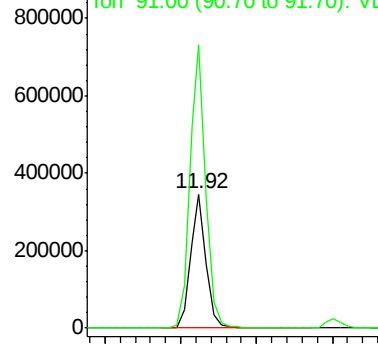
Tgt Ion:106 Resp: 492029
Ion Ratio Lower Upper
106 100
91 211.8 103.4 310.1

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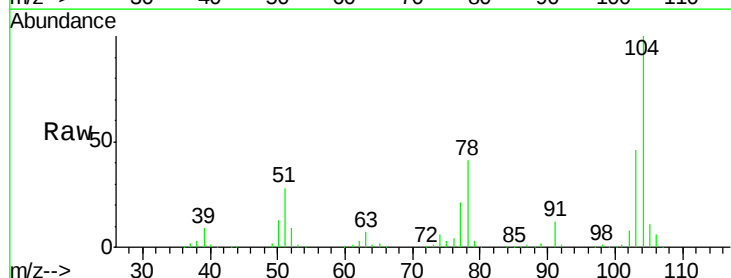


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

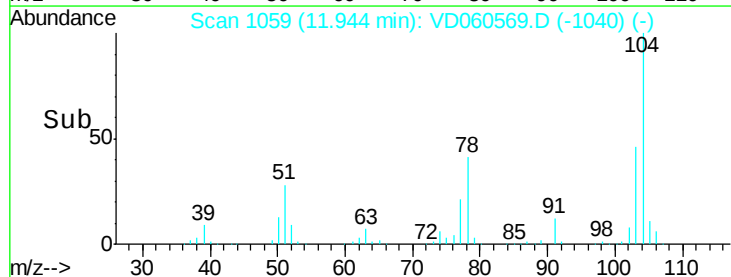
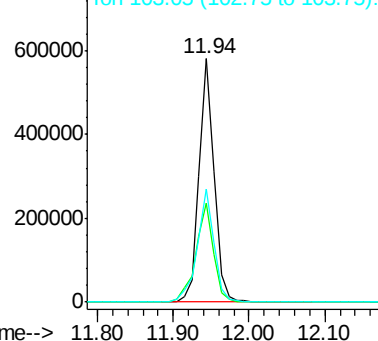


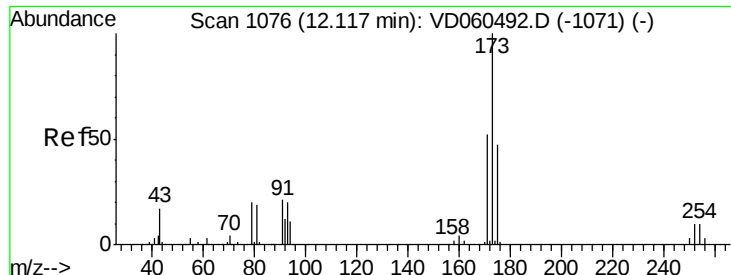
#70
Styrene
Concen: 20.776 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion:104 Resp: 799274
Ion Ratio Lower Upper
104 100
78 40.5 32.1 48.1
103 46.4 37.2 55.8



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





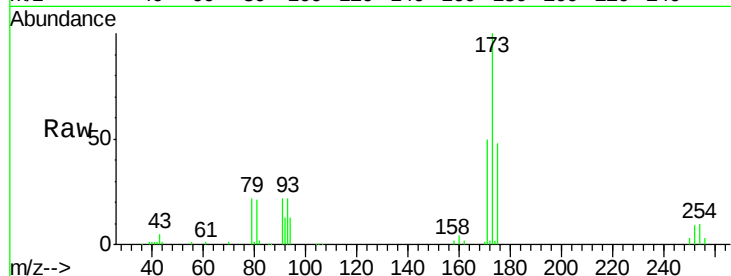
#71
Bromoform
Concen: 19.661 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

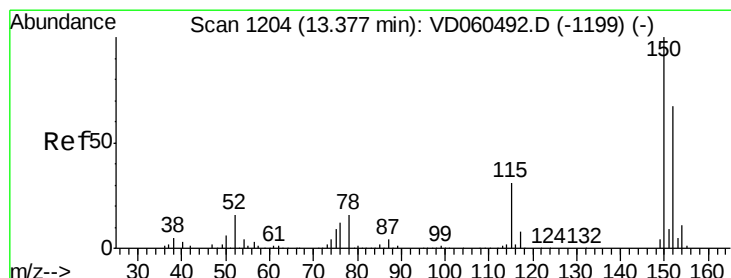
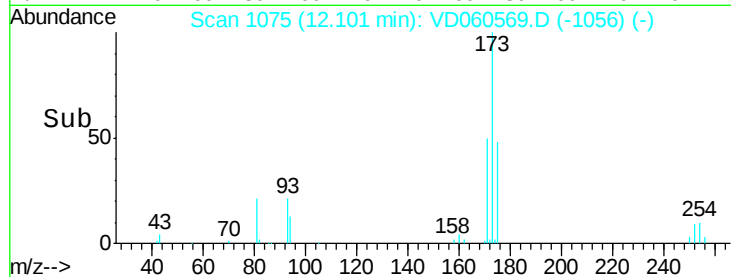
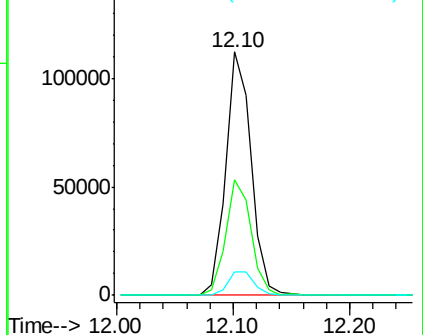
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	9.6	7.8	11.8

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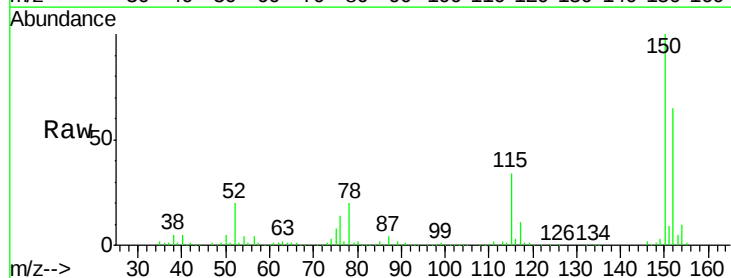


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

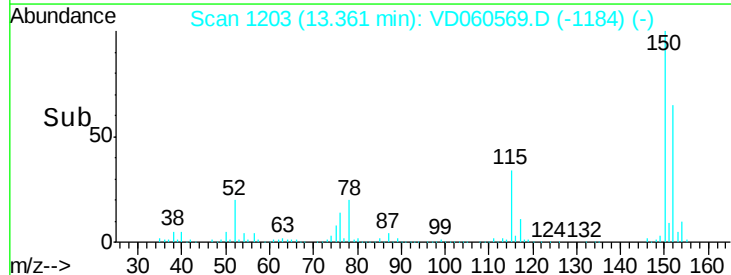
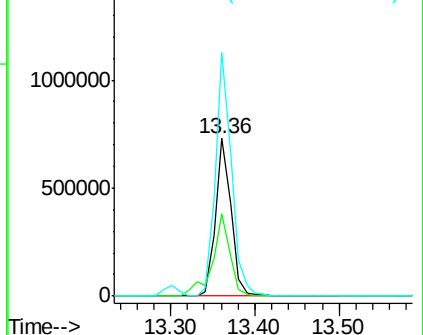


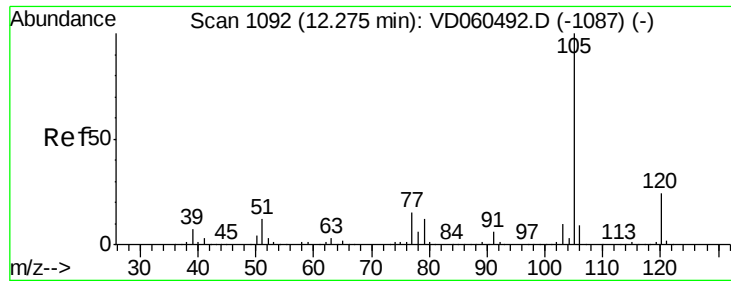
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	24.6	74.0
150	154.4	0.0	309.0



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





#73

Isopropylbenzene

Concen: 21.150 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion:105 Resp: 1391024

Ion Ratio Lower Upper

105 100

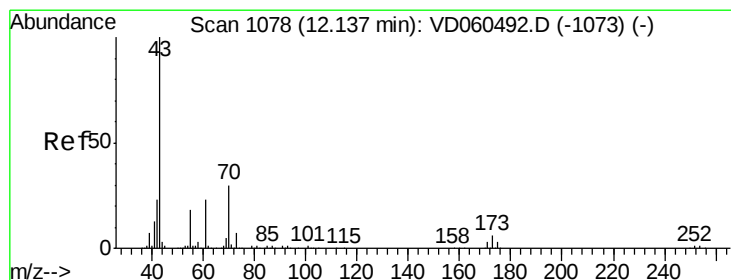
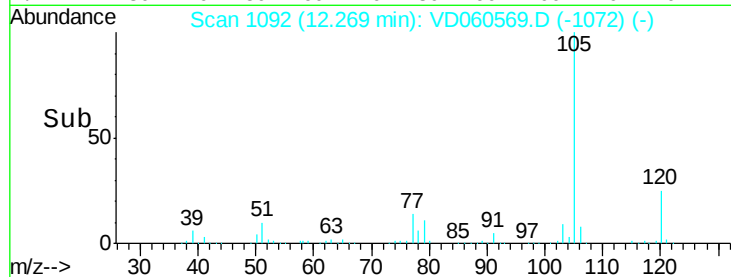
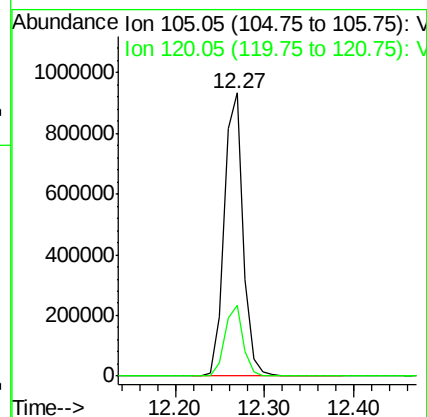
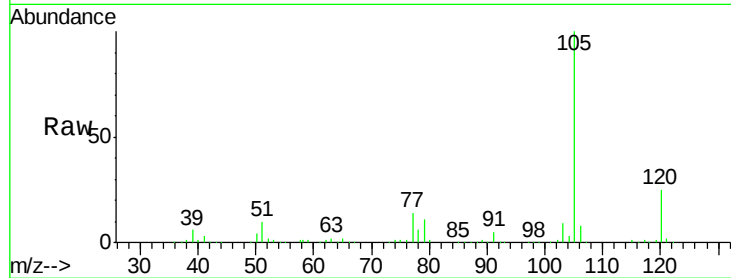
120 24.9 11.9 35.9

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#74

N-ethyl acetate

Concen: 19.800 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion: 43 Resp: 314730

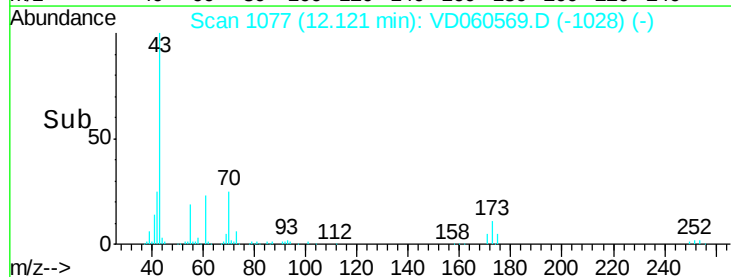
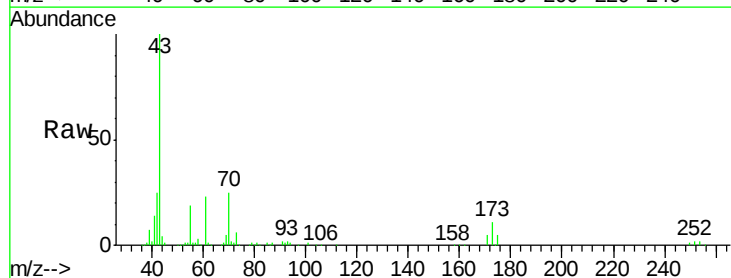
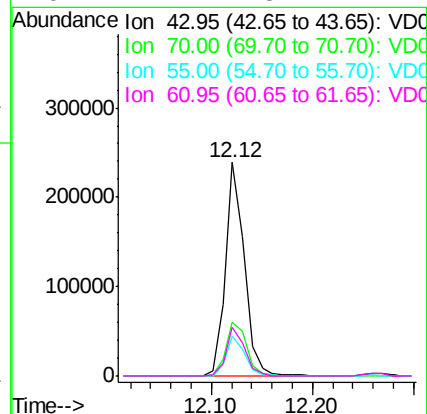
Ion Ratio Lower Upper

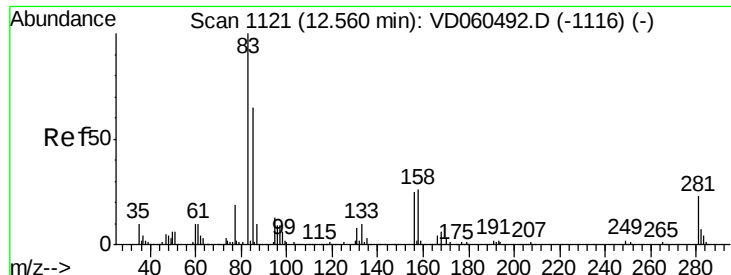
43 100

70 25.4 23.8 35.8

55 18.8 14.2 21.2

61 22.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.497 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion: 83 Resp: 215825

Ion Ratio Lower Upper

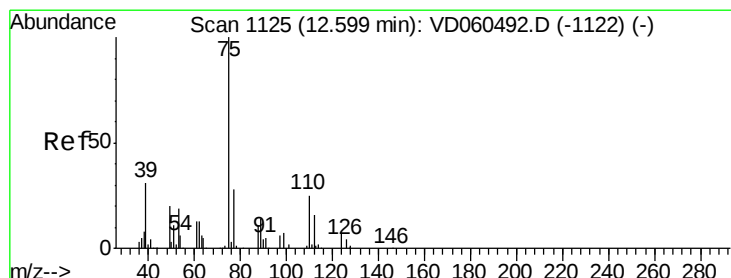
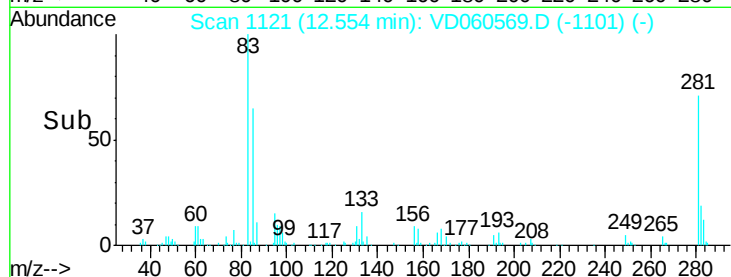
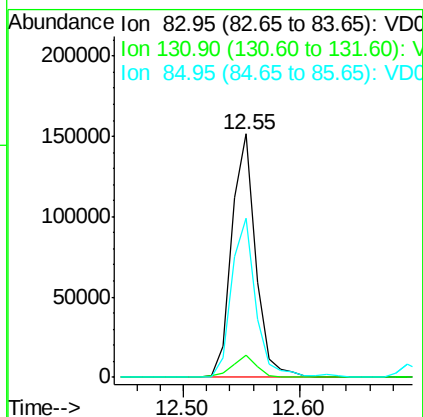
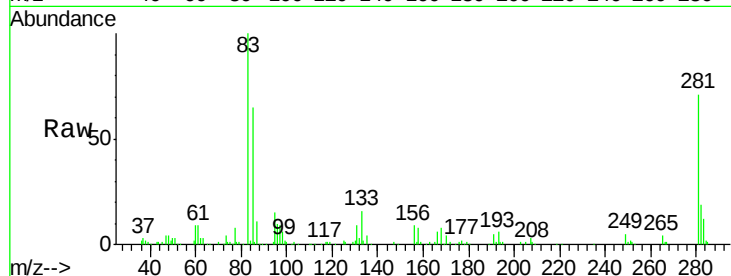
83 100

131 9.1 3.8 11.4

85 65.4 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 20.903 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060569.D

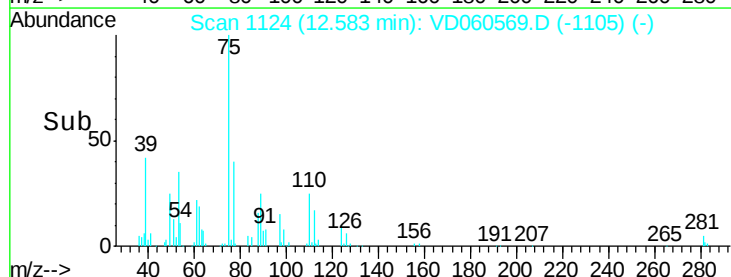
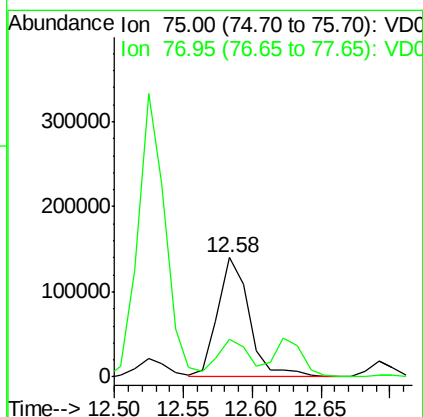
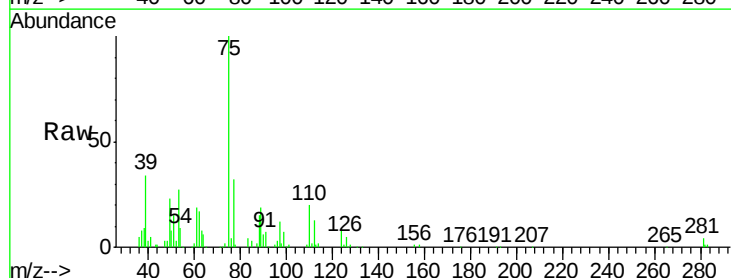
Acq: 14 Dec 2018 13:16

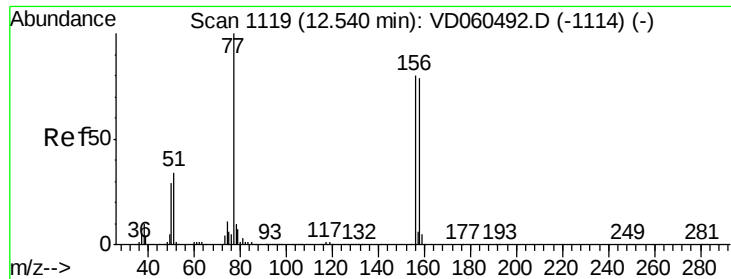
Tgt Ion: 75 Resp: 220130

Ion Ratio Lower Upper

75 100

77 31.9 16.4 49.4





#77

Bromobenzene

Concen: 21.119 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

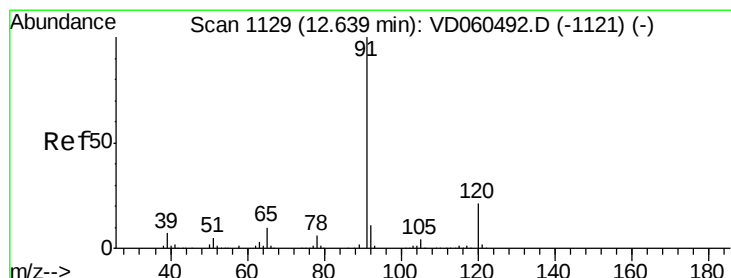
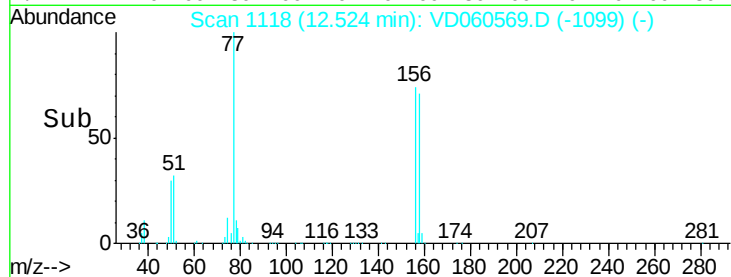
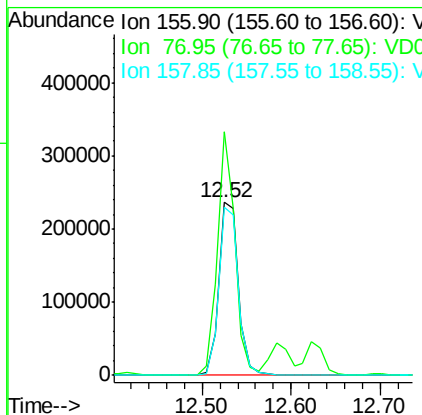
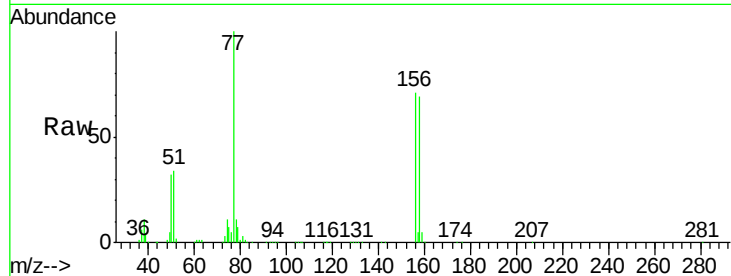
ClientSampleId :

VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	365111		
77	140.7	62.5	187.6	
158	97.0	49.4	148.2	

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#78

n-propylbenzene

Concen: 21.079 ug/l

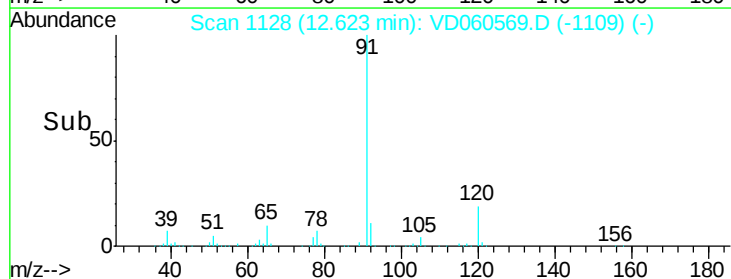
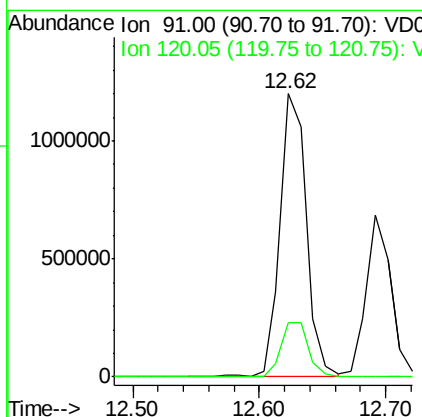
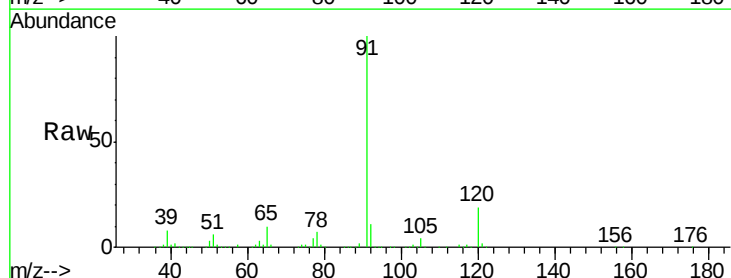
RT: 12.62 min Scan# 1128

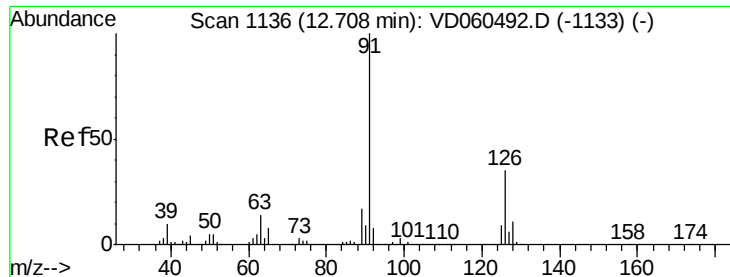
Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1752481		
120	19.1	10.4	31.1	





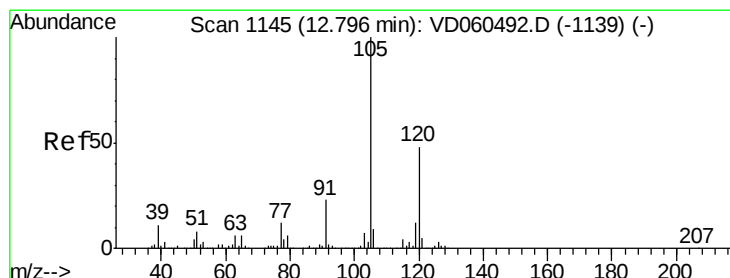
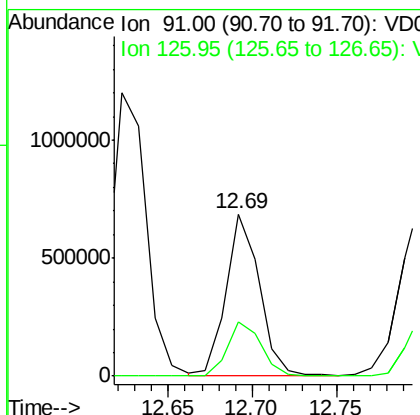
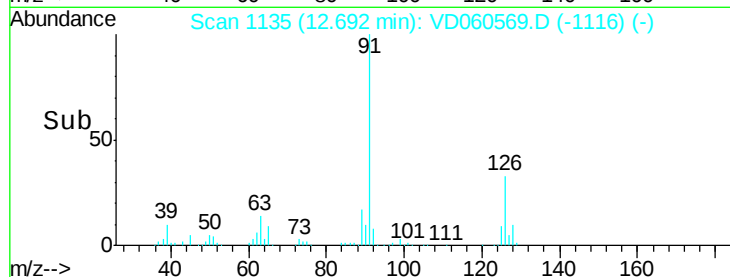
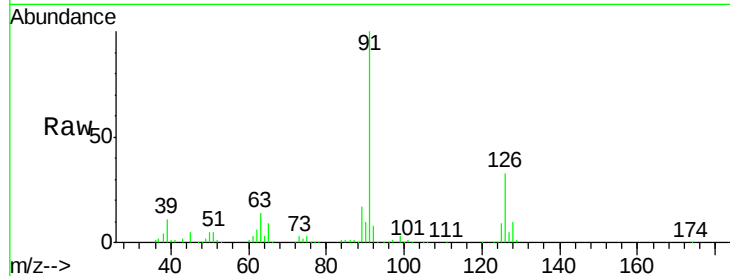
#79
 2-Chlorotoluene
 Concen: 20.912 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion: 91 Resp: 943438
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.3 52.0

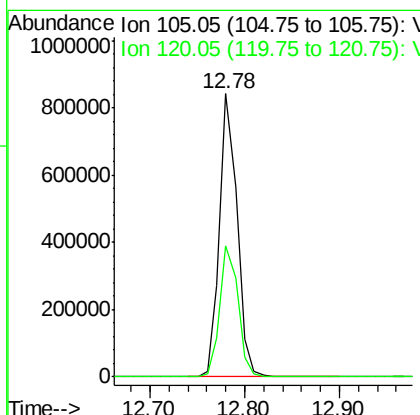
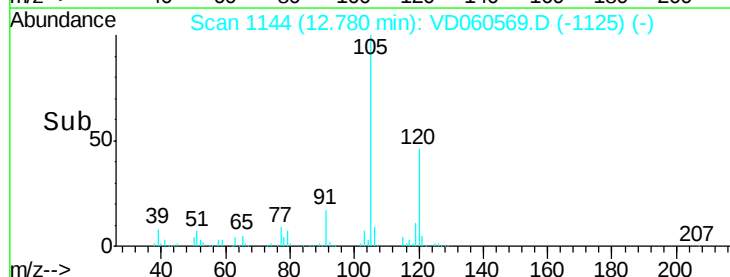
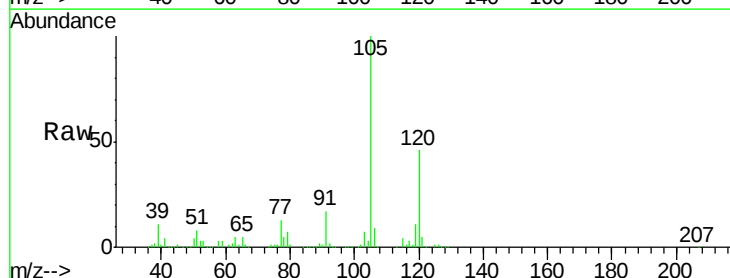
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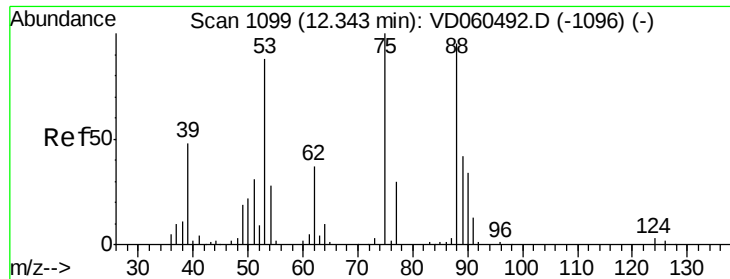
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.526 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion: 105 Resp: 1081846
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.2 72.6





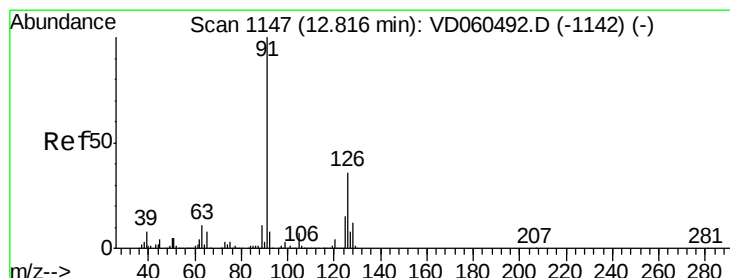
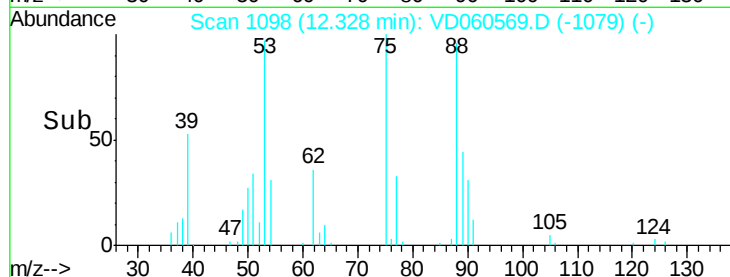
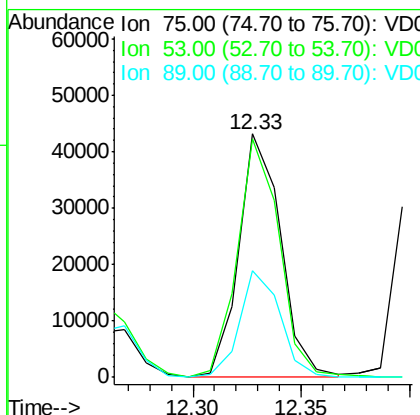
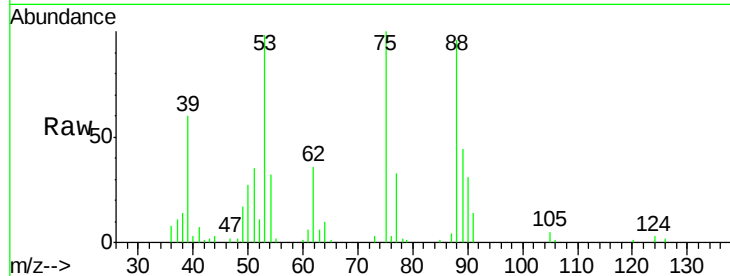
#81
trans-1,4-Dichloro-2-butene
Concen: 20.041 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.2	70.5	105.7
89	43.7	33.6	50.4

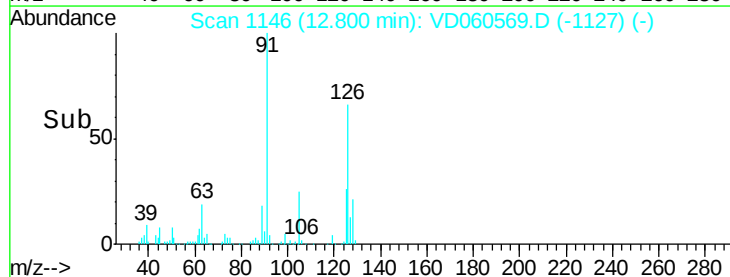
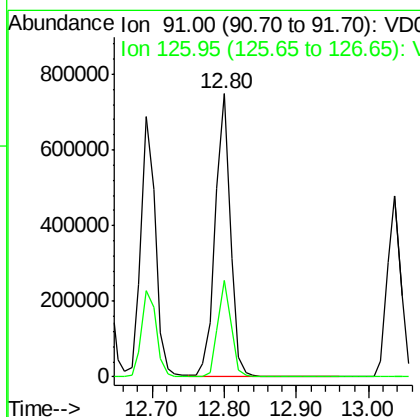
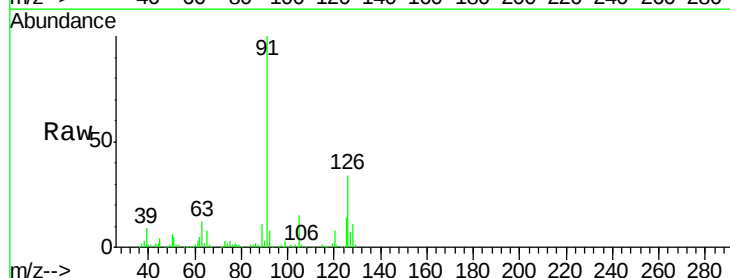
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#82
4-Chlorotoluene
Concen: 21.188 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.8	53.4





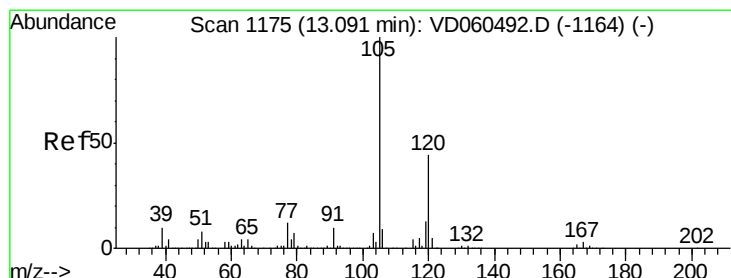
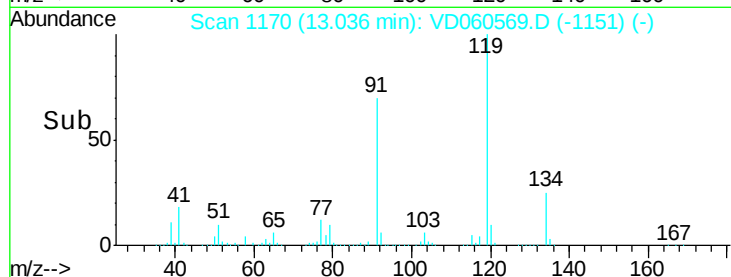
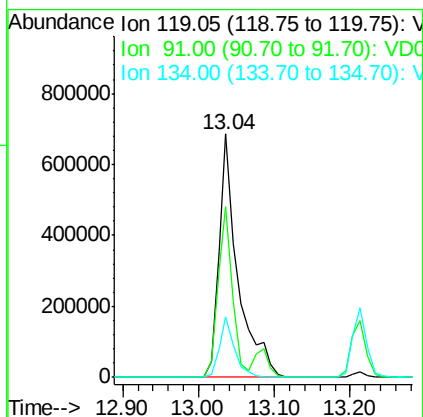
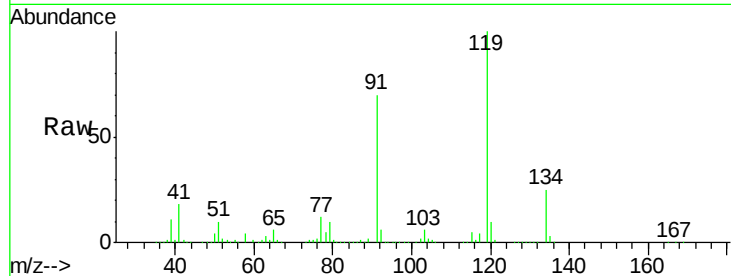
#83
 tert-Butylbenzene
 Concen: 21.462 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion:119 Resp: 1209389
 Ion Ratio Lower Upper
 119 100
 91 69.9 33.1 99.2
 134 24.9 12.0 36.0

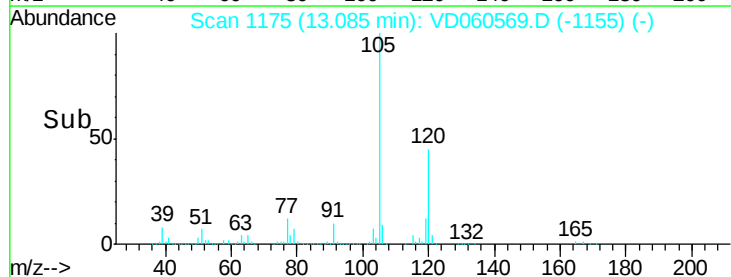
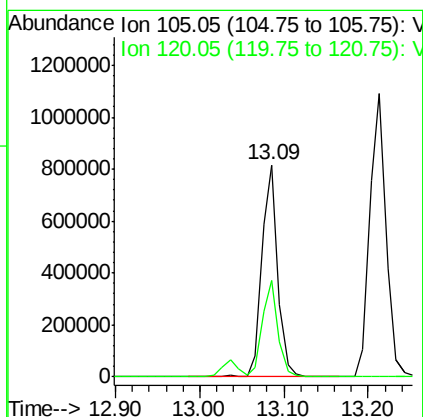
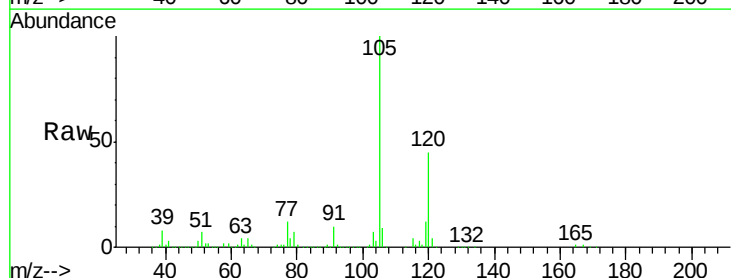
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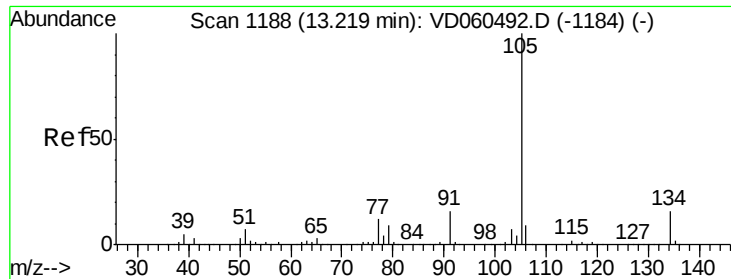
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.966 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion:105 Resp: 1091037
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.632 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD1214SBS01

Tgt Ion:105 Resp: 1449053

Ion Ratio Lower Upper

105 100

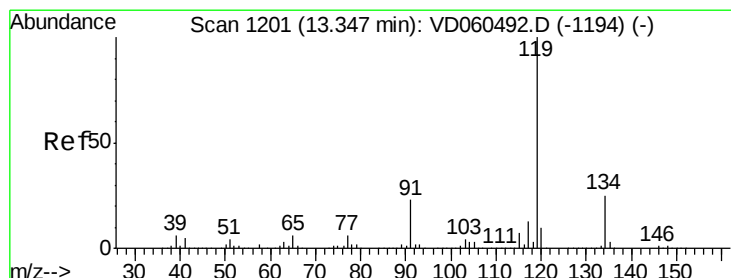
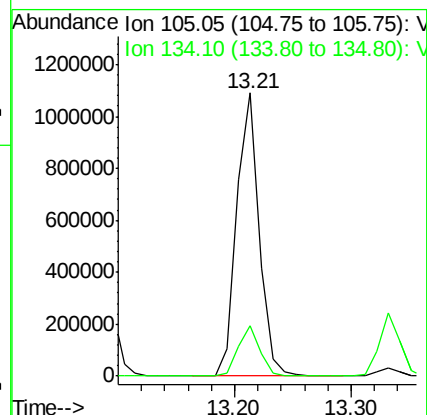
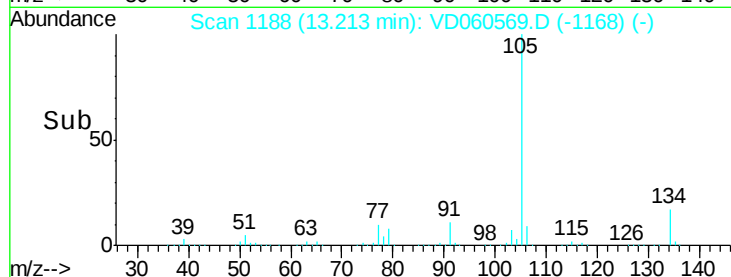
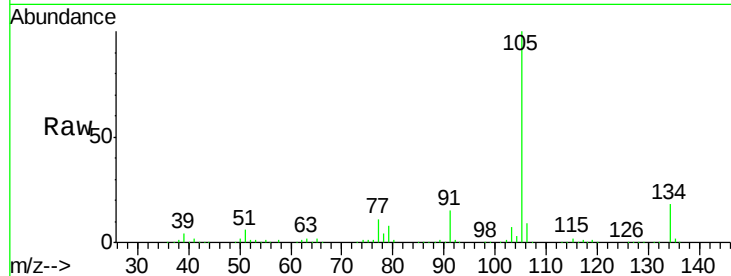
134 18.0 7.9 23.7

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#86

p-Isopropyltoluene

Concen: 21.744 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060569.D

Acq: 14 Dec 2018 13:16

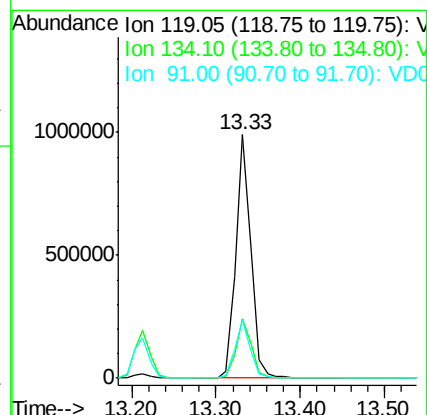
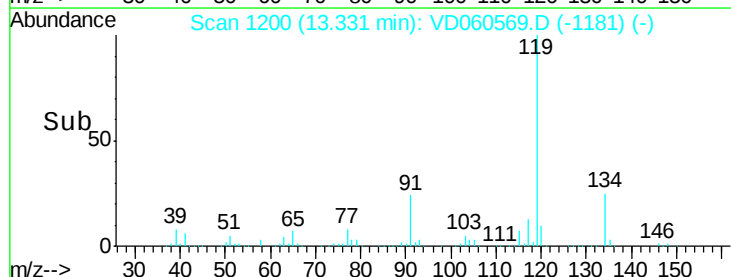
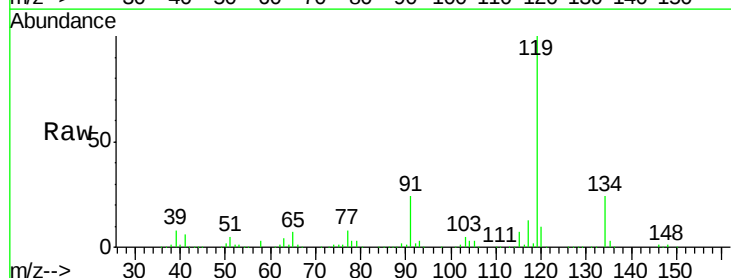
Tgt Ion:119 Resp: 1210595

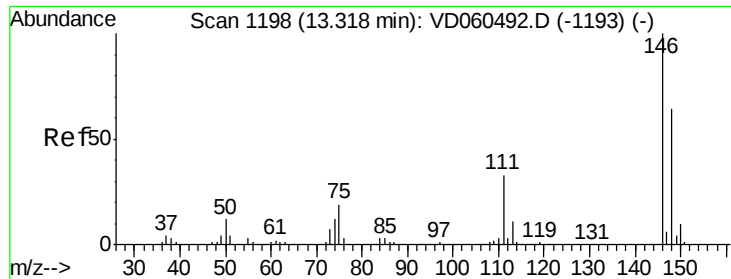
Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 23.8 11.5 34.4





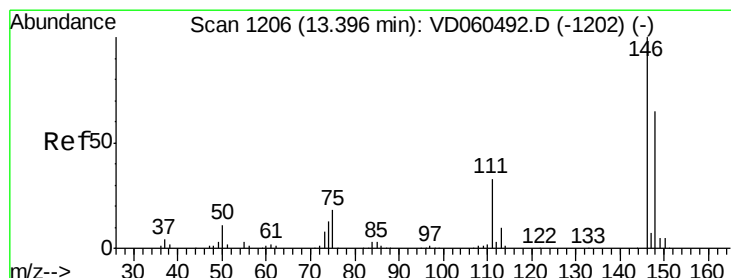
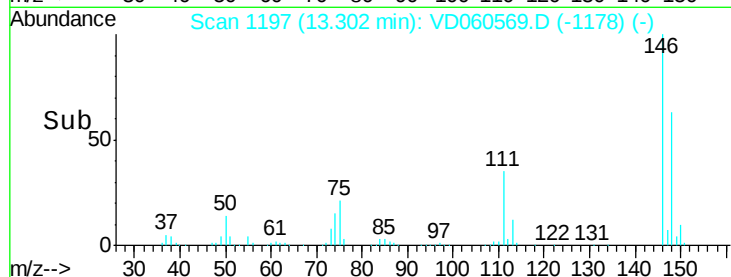
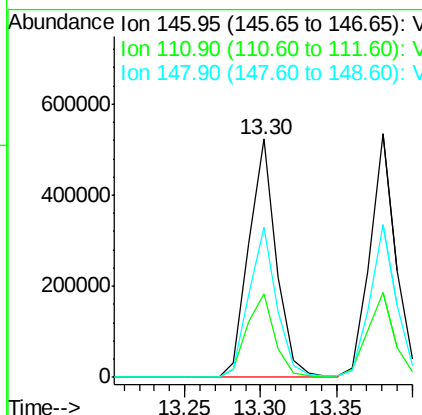
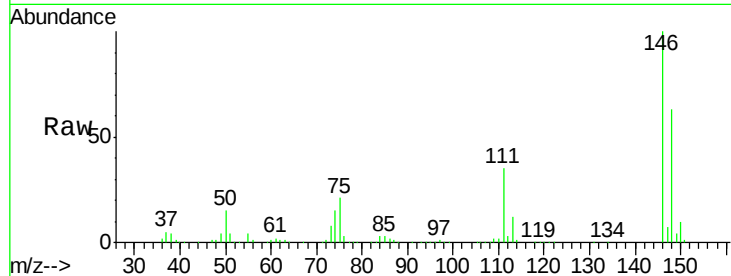
#87
 1,3-Dichlorobenzene
 Concen: 21.143 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	661824		
111	35.0	16.5	49.5	
148	62.8	32.3	96.8	

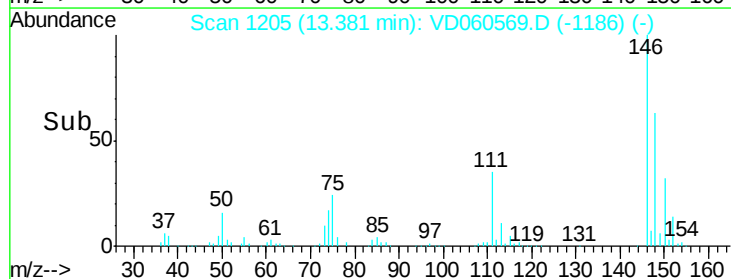
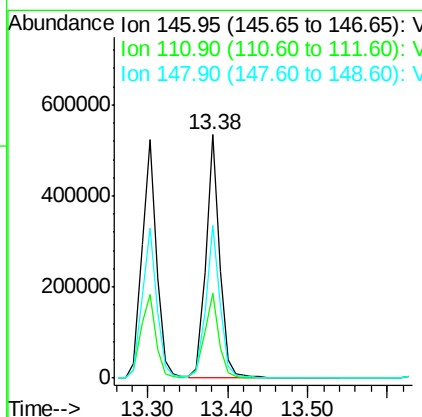
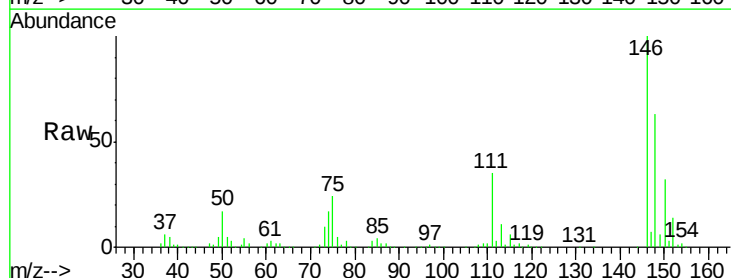
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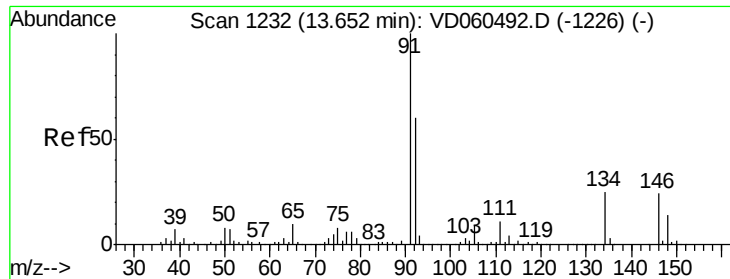
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#88
 1,4-Dichlorobenzene
 Concen: 20.912 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	642165		
111	34.7	16.4	49.1	
148	62.8	32.6	98.0	





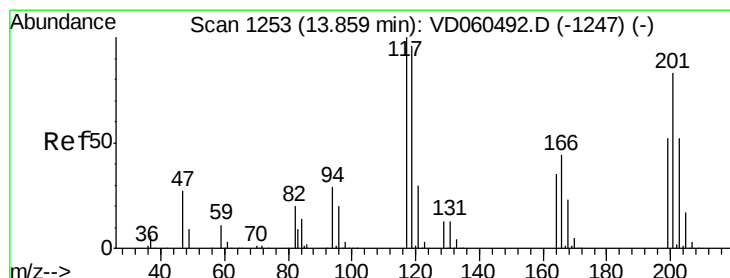
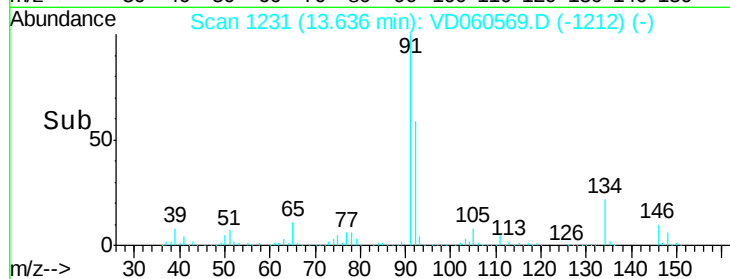
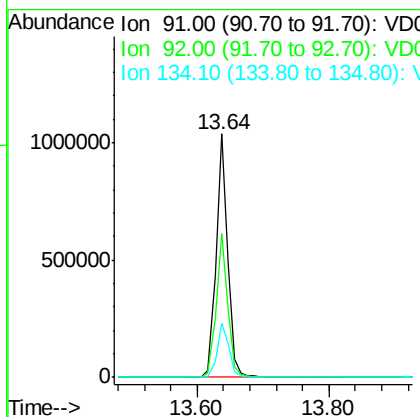
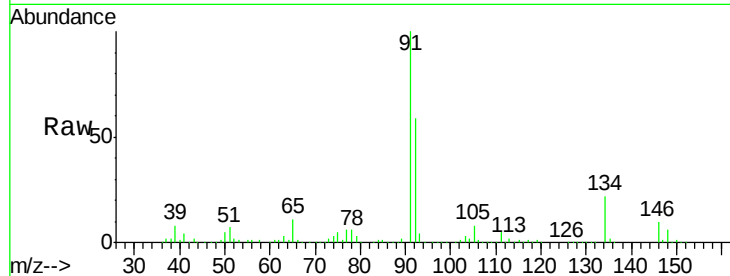
#89
n-Butylbenzene
Concen: 20.020 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion: 91 Resp: 1241273
Ion Ratio Lower Upper
91 100
92 59.0 30.0 90.1
134 22.1 12.5 37.5

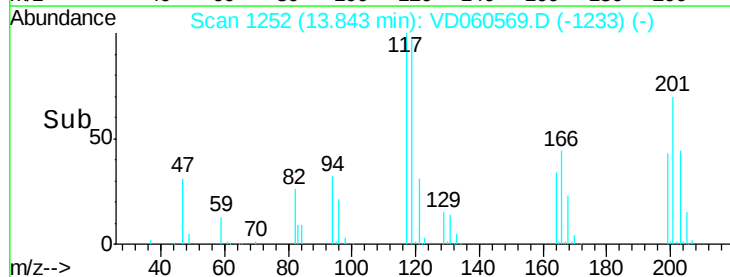
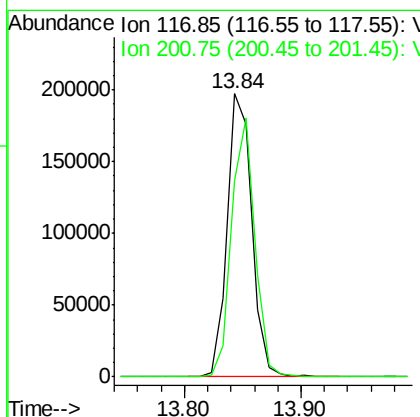
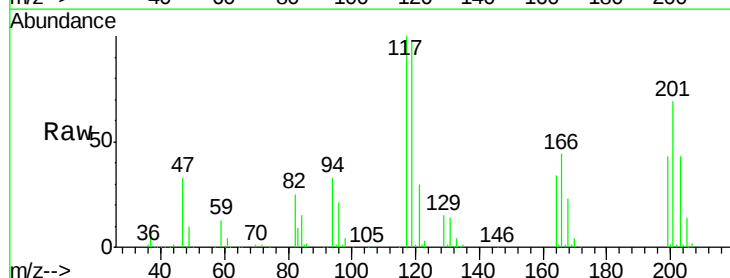
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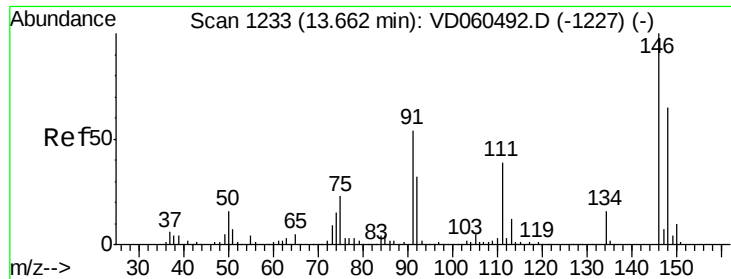
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#90
Hexachloroethane
Concen: 20.672 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion: 117 Resp: 288557
Ion Ratio Lower Upper
117 100
201 69.5 41.3 123.9





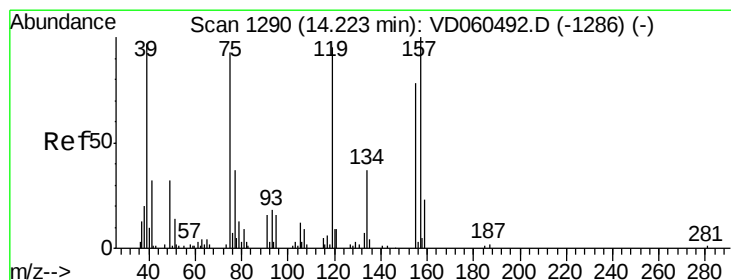
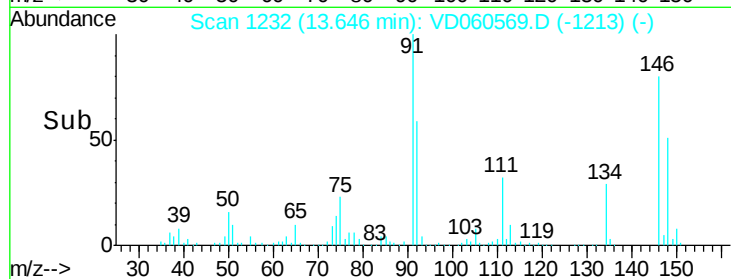
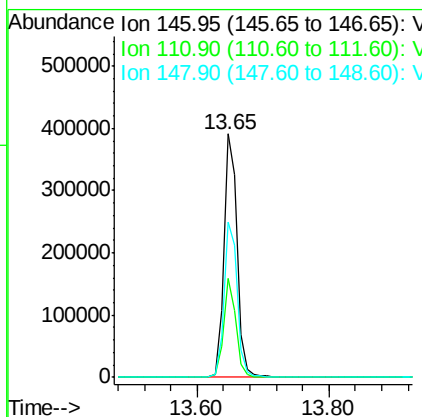
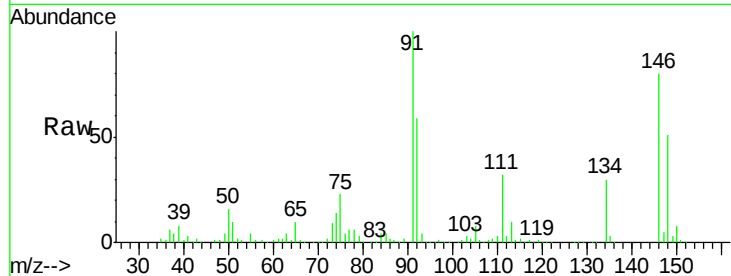
#91
 1,2-Dichlorobenzene
 Concen: 21.535 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	550876		
111	40.5	19.3	57.8	
148	63.8	32.3	96.8	

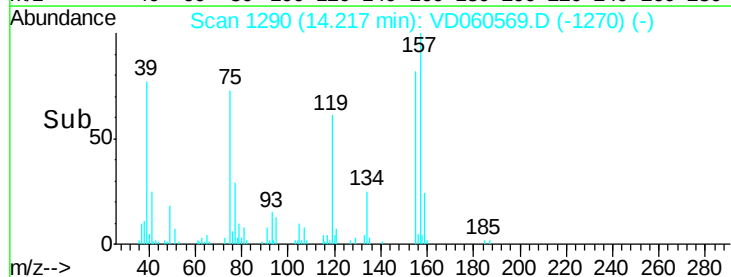
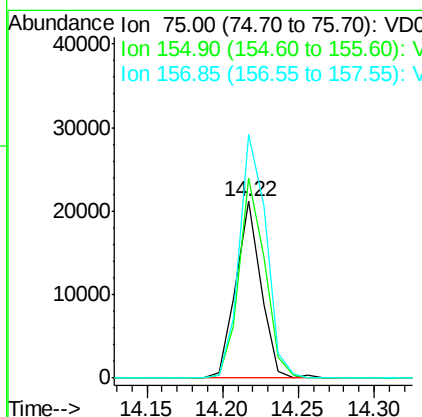
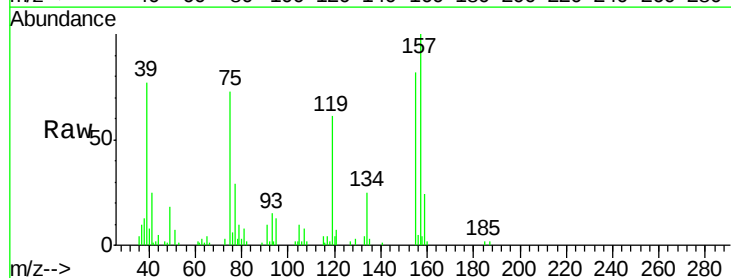
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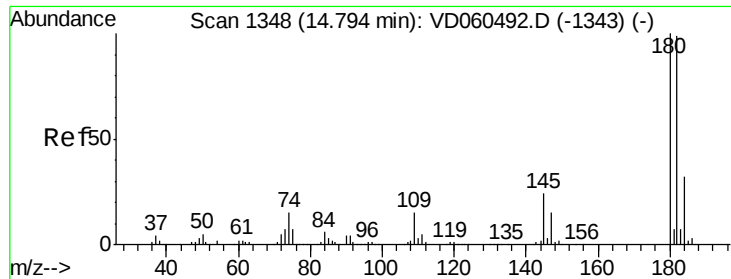
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.980 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24215		
155	113.5	41.6	124.9	
157	137.8	53.6	160.8	





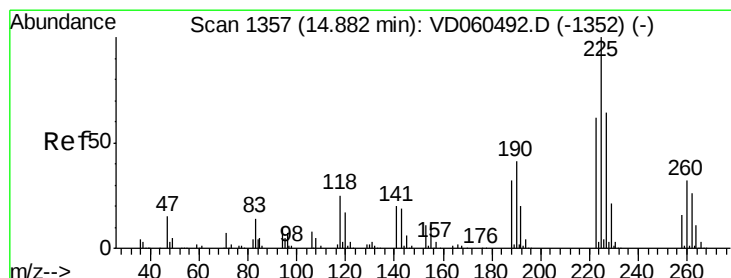
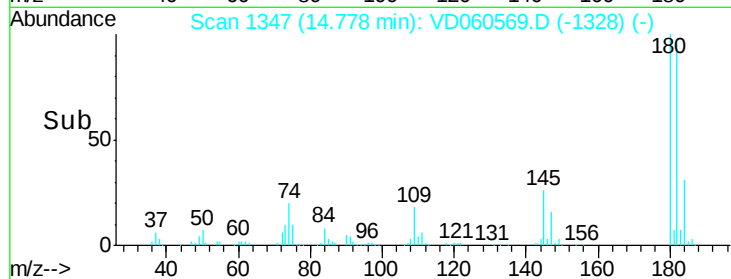
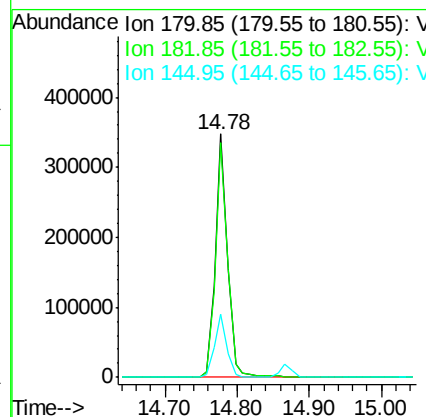
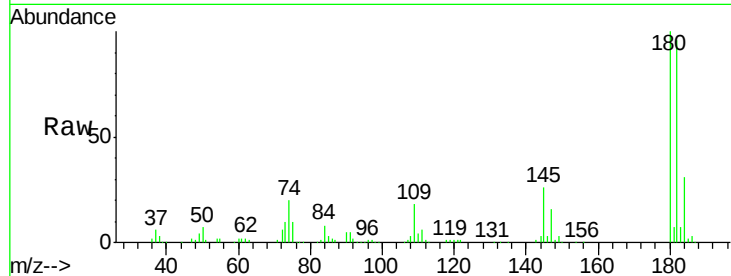
#93
 1,2,4-Trichlorobenzene
 Concen: 20.203 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	404005		
182	96.3	49.4	148.0	
145	26.2	11.9	35.9	

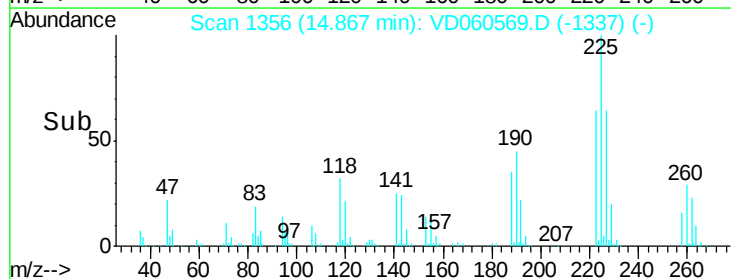
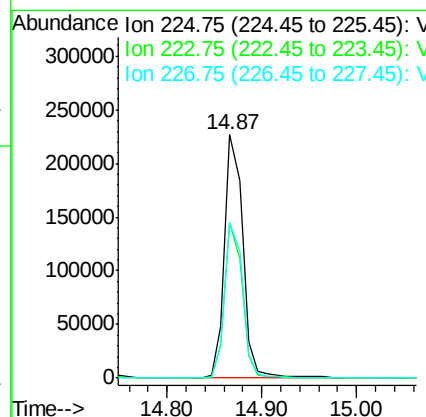
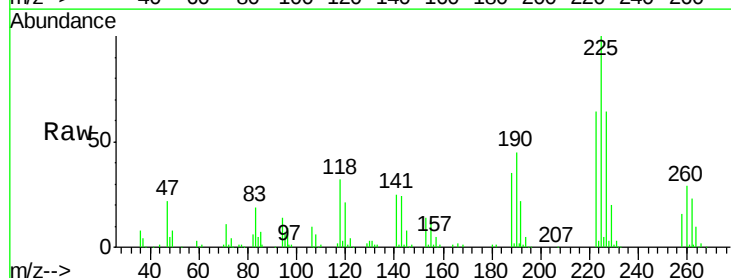
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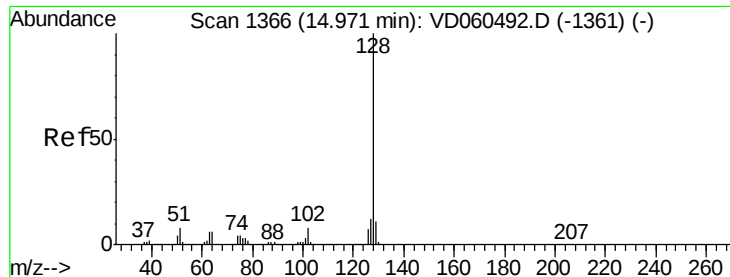
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#94
 Hexachlorobutadiene
 Concen: 20.636 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060569.D
 Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	304470		
223	63.5	31.2	93.6	
227	64.0	32.0	96.0	





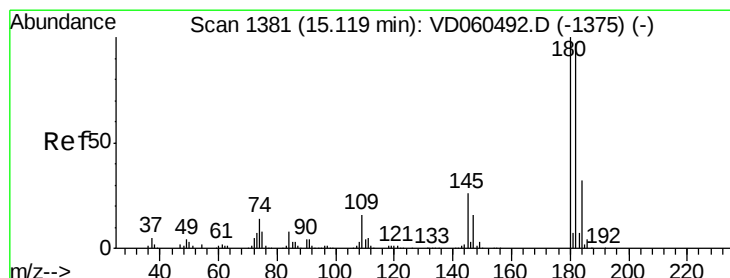
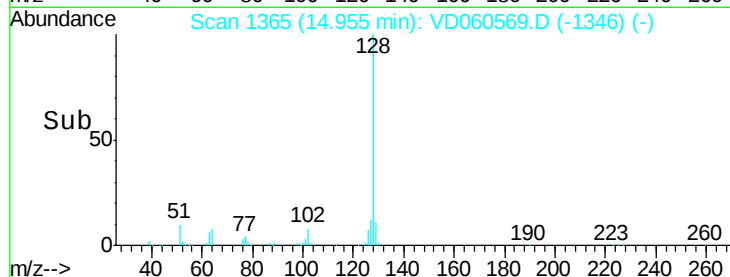
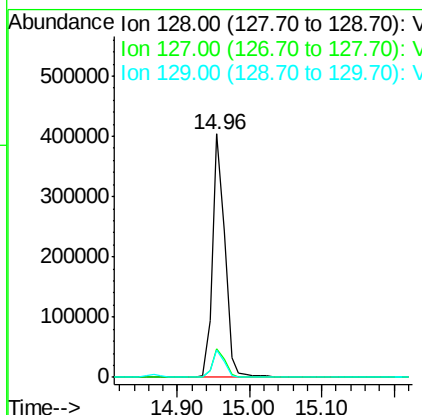
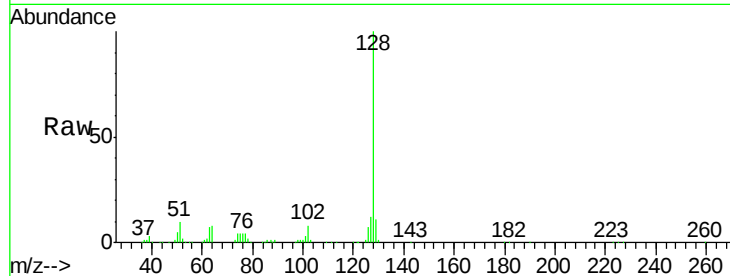
#95
Naphthalene
Concen: 20.061 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD1214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	477252		
127	11.9	9.8	14.8	
129	11.1	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.514 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060569.D
Acq: 14 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	326869		
182	98.0	48.5	145.5	
145	28.3	12.9	38.7	

