

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065649.D
 Acq On : 17 Apr 2020 17:24
 Operator : VA/SY
 Sample : L2327-11
 Misc : 6.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-S2

Quant Time: Apr 20 07:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	220369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	358991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156236	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	118134	63.02	ug/l	0.00
Spiked Amount			Recovery	=	126.04%	
35) Dibromofluoromethane	7.92	113	121029	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	10.34	98	439647	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.64	95	129002	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

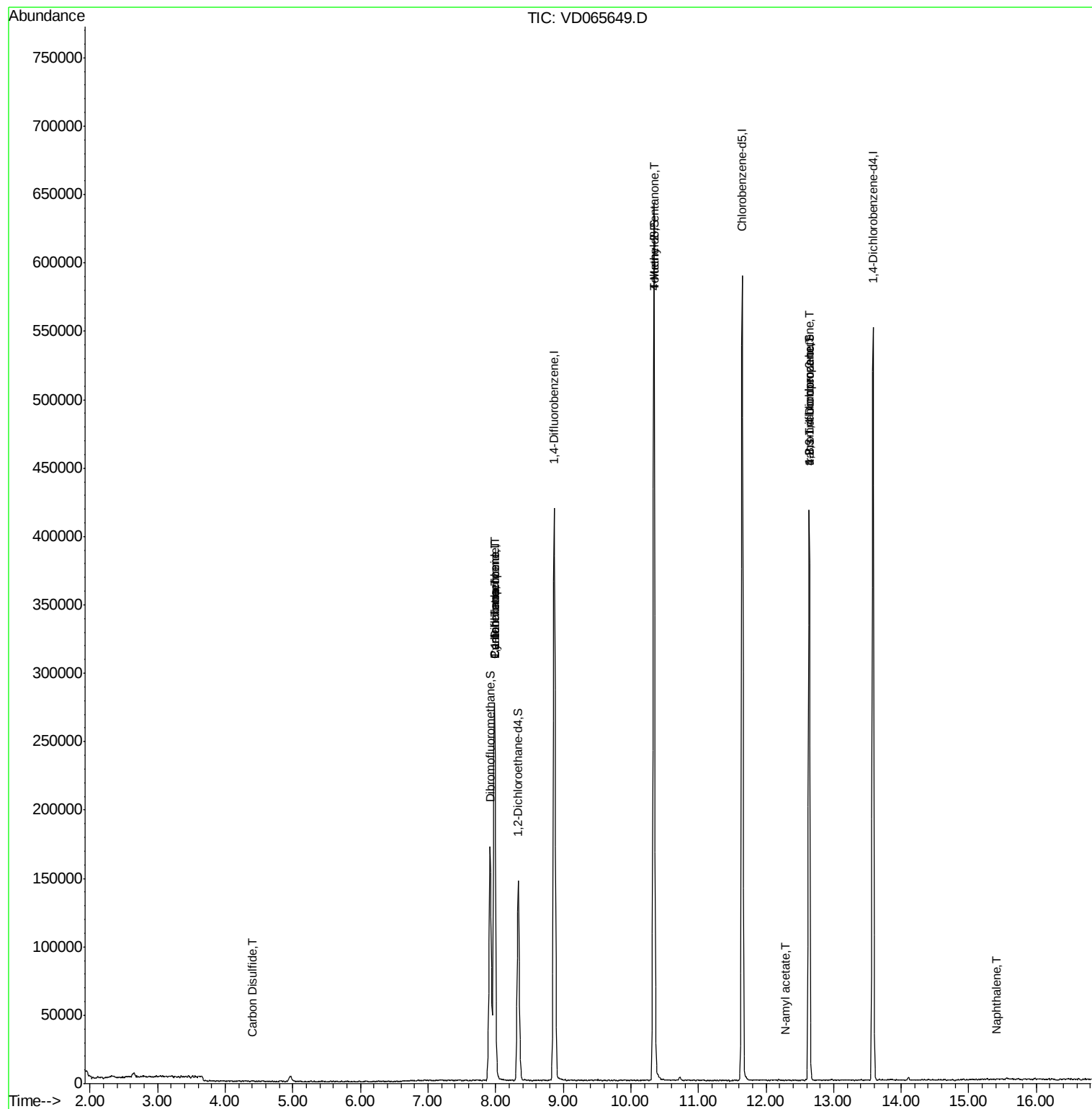
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.40	76	394	6.075	ug/l #	75
20) Methylene Chloride	4.97	84	3117	Below Cal	#	87
31) Cyclohexane	7.98	56	4066	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	15980	4.610	ug/l #	48
38) Carbon Tetrachloride	7.98	117	20311	5.470	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1710	10.860	ug/l #	1
74) N-amyl acetate	12.28	43	61	2.836	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	65025	51.764	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	65025	113.447	ug/l #	11
95) Naphthalene	15.41	128	248	4.151	ug/l #	69

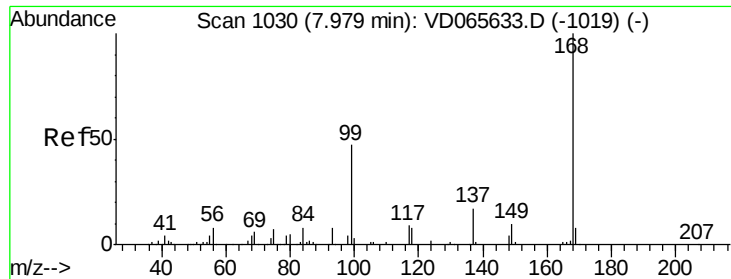
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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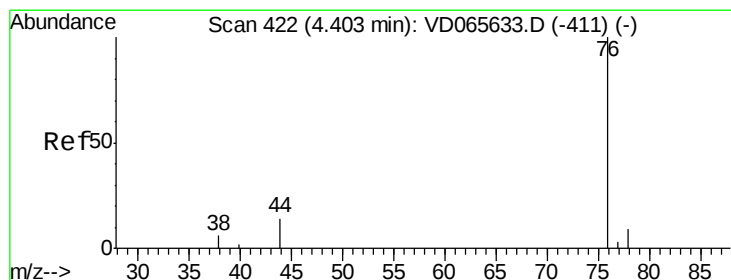
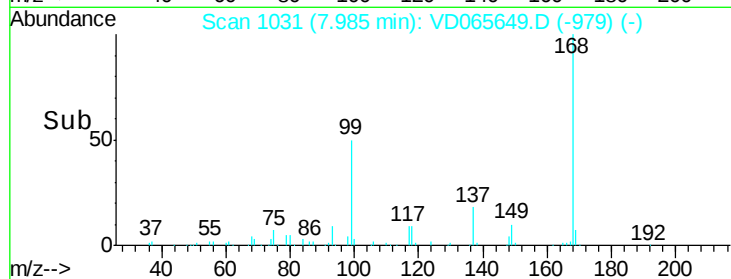
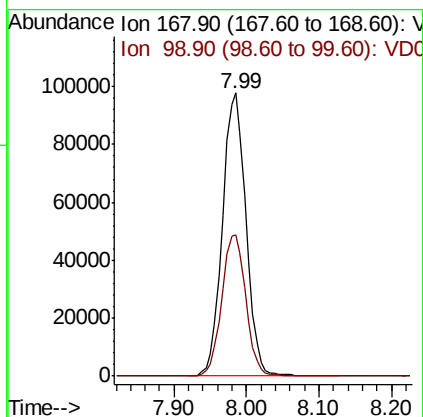
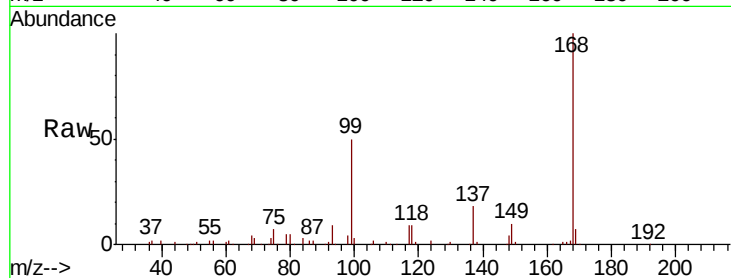




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

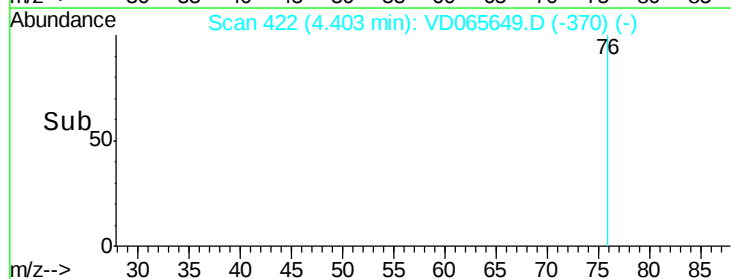
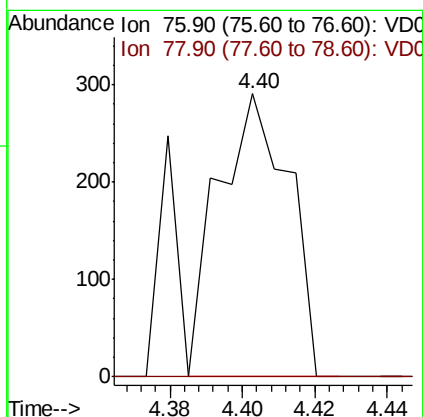
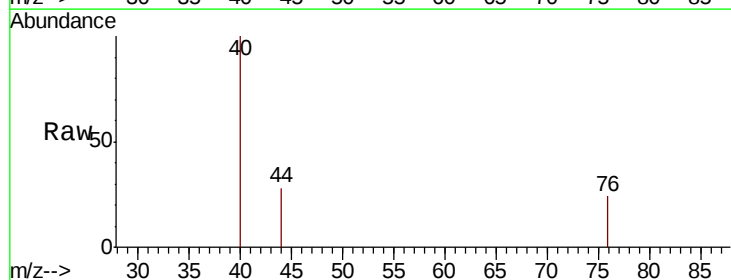
Instrument :
MSVOA_D
ClientSampleId :
TP-4-S2

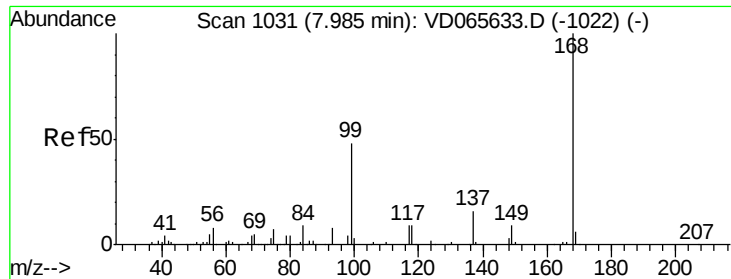
Tot Ion:168 Resp: 220369
Ion Ratio Lower Upper
168 100
99 49.8 40.3 60.5



#17
Carbon Disulfide
Concen: 6.075 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

Tgt Ion: 76 Resp: 394
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

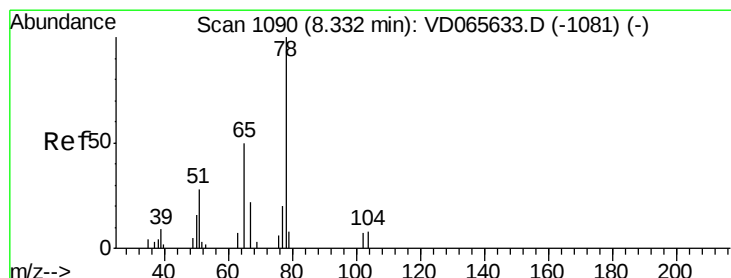
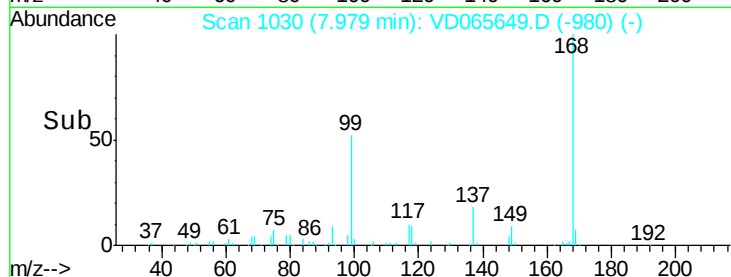
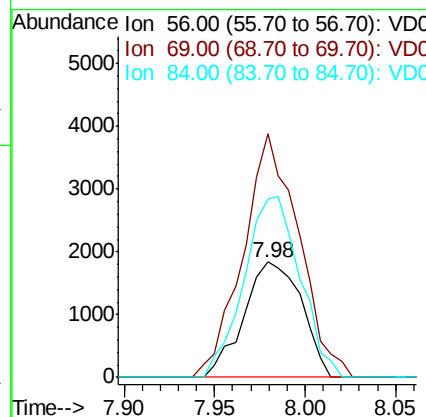
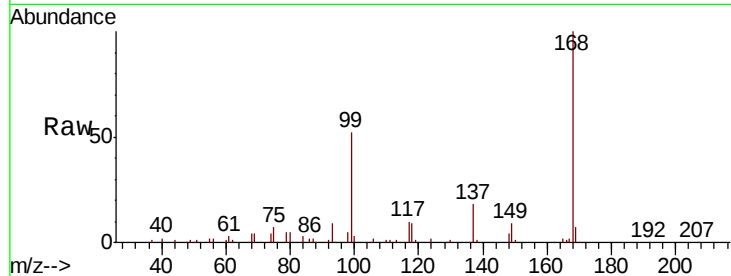




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

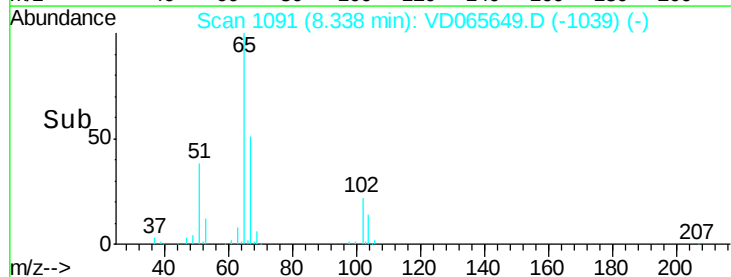
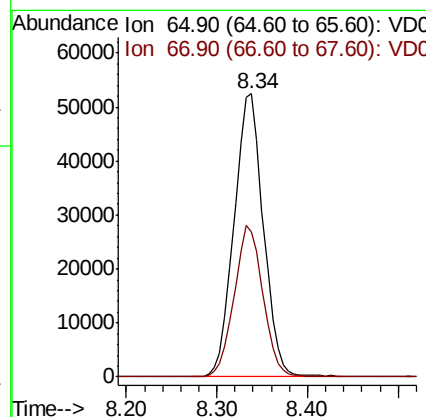
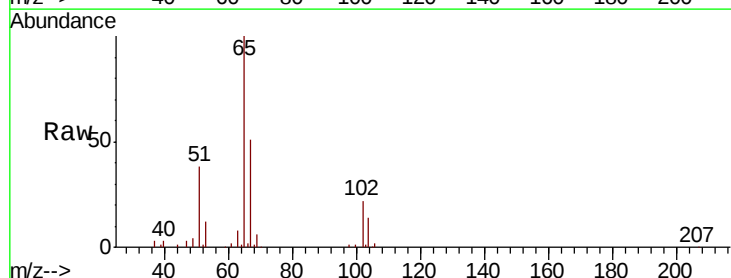
Instrument :
MSVOA_D
ClientSampleId :
TP-4-S2

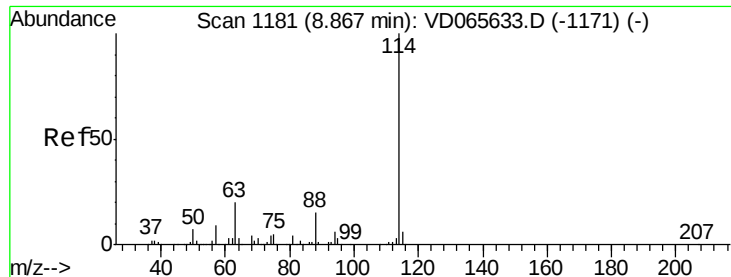
Tot Ion: 56 Resp: 4066
Ion Ratio Lower Upper
56 100
69 211.5 26.6 40.0#
84 154.5 75.3 112.9#



#33
1,2-Dichloroethane-d4
Concen: 63.017 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

Tgt Ion: 65 Resp: 118134
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8

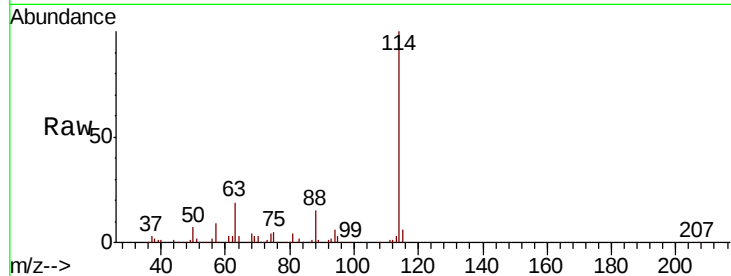




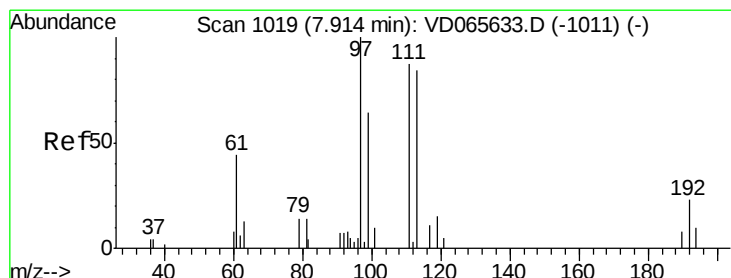
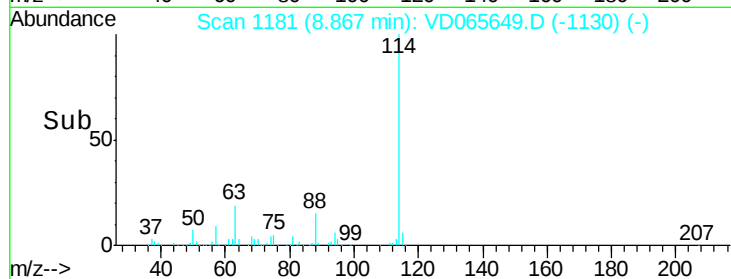
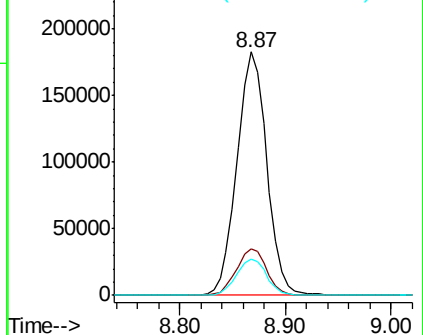
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-S2

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.8
88	15.0	0.0	31.6

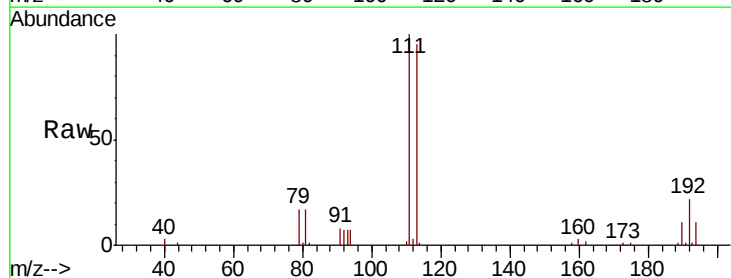


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

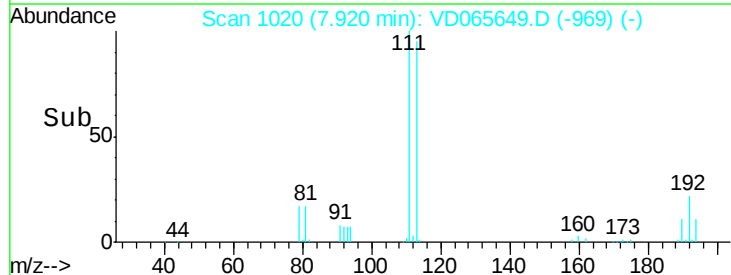
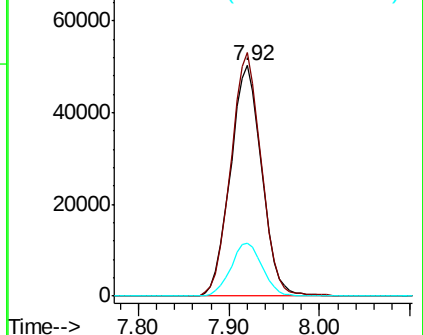


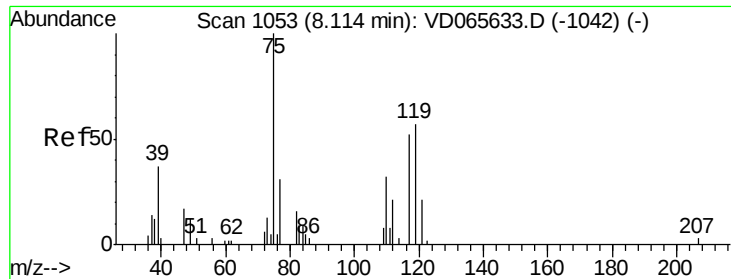
#35
 Dibromofluoromethane
 Concen: 54.170 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	23.2	18.9	28.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

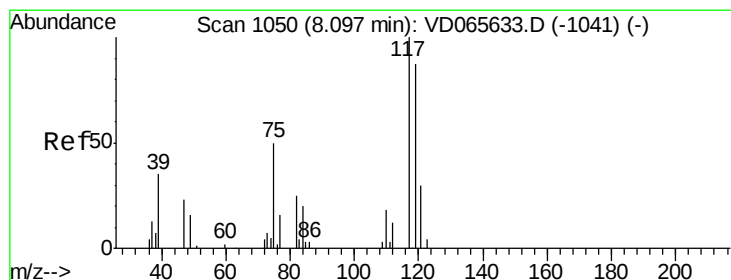
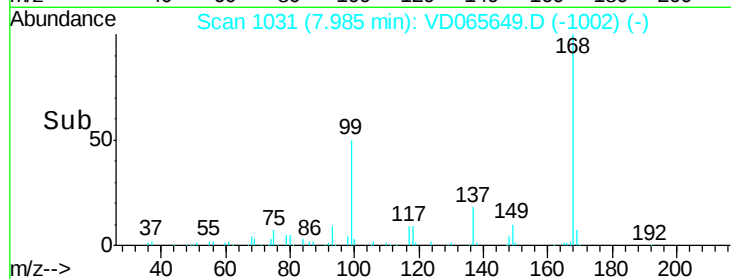
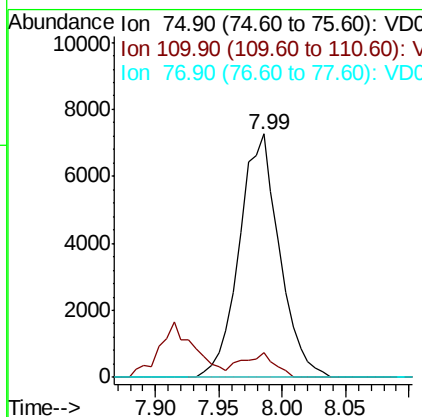
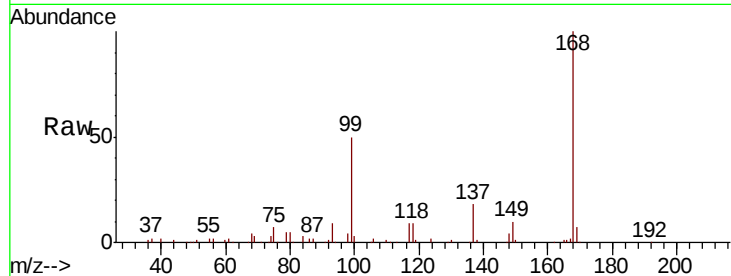




#36
 1,1-Dichloropropene
 Concen: 4.610 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

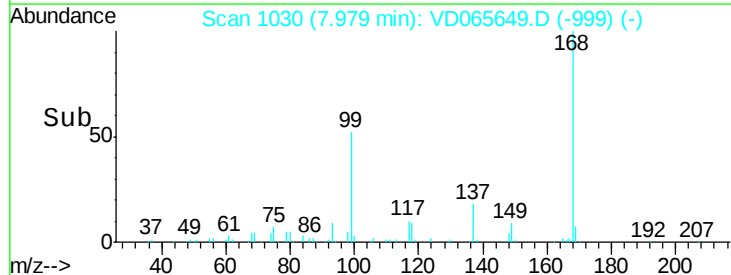
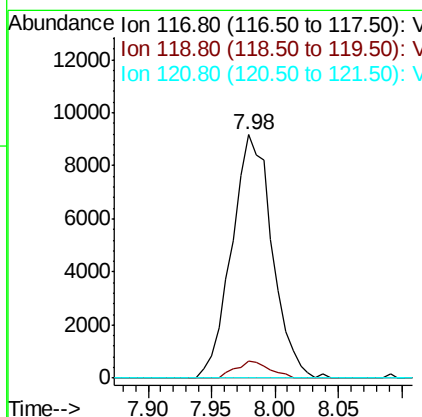
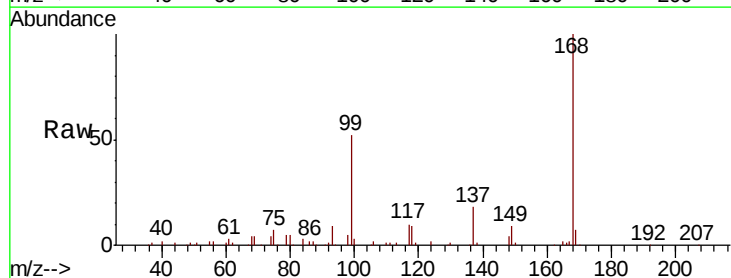
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4-S2

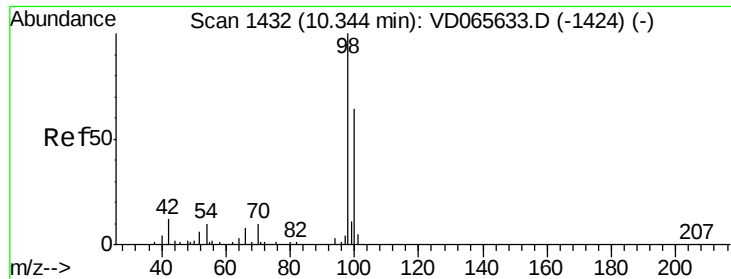
Tot Ion	75	110	77	Resp	15980	Lower	Upper
Ion Ratio	100	8.3	0.0				
		18.3	24.6				
		54.8#	37.0#				



#38
 Carbon Tetrachloride
 Concen: 5.470 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

Tgt Ion	117	119	121	Resp	20311	Lower	Upper
Ion Ratio	100	7.2	0.0				
		75.3	24.9				
		112.9#	37.3#				

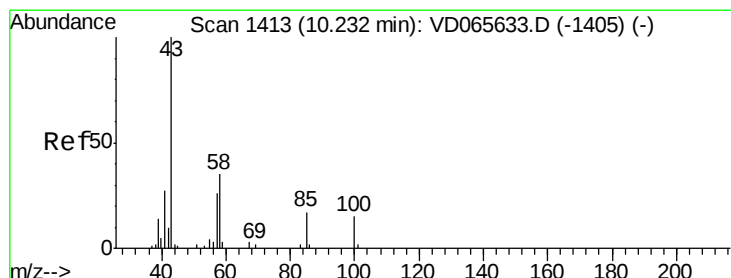
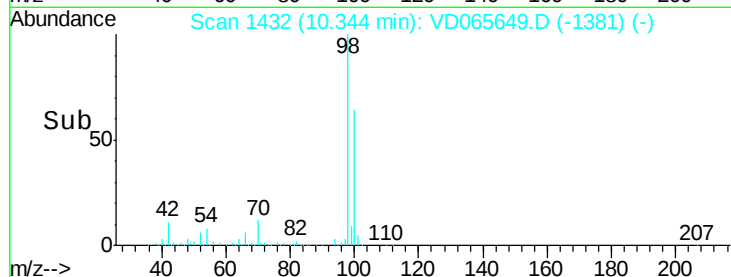
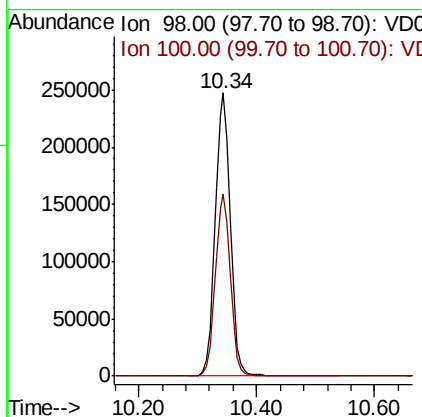
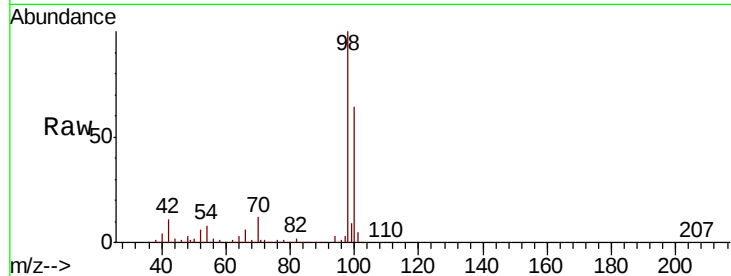




#50
Toluene-d8
Concen: 53.379 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

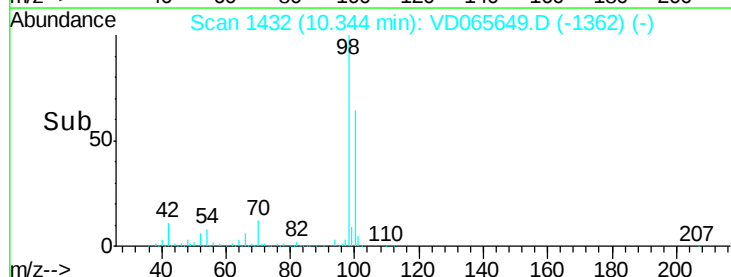
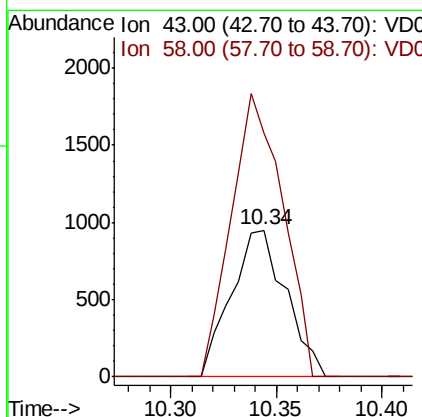
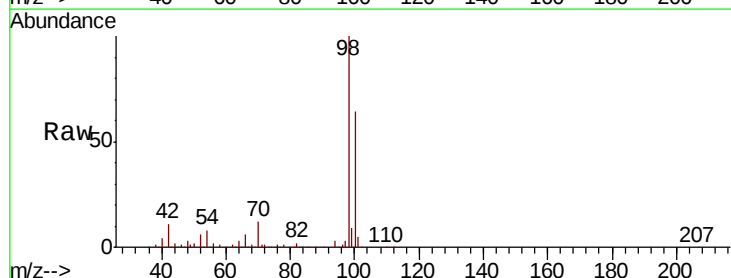
Instrument :
MSVOA_D
ClientSampled :
TP-4-S2

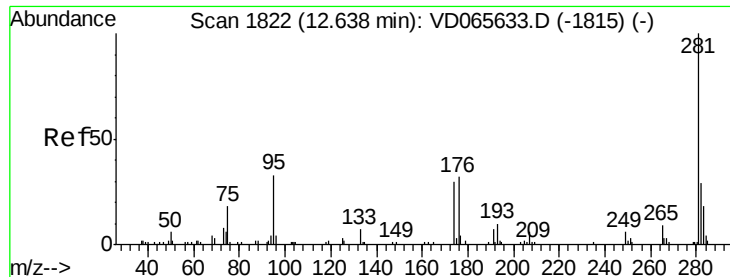
Tot Ion: 98 Resp: 439647
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 10.860 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 182.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 47.071 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065649.D

Acq: 17 Apr 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-4-S2

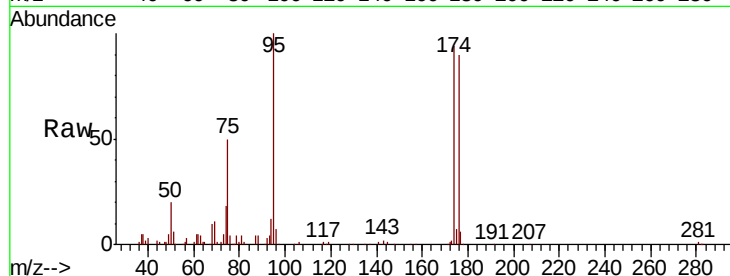
Tot Ion: 95 Resp: 129002

Ion Ratio Lower Upper

95 100

174 91.3 0.0 183.8

176 89.5 0.0 181.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

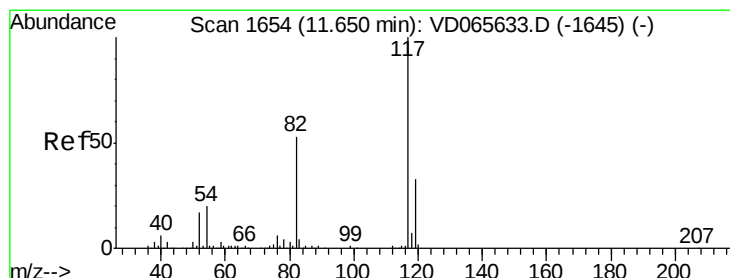
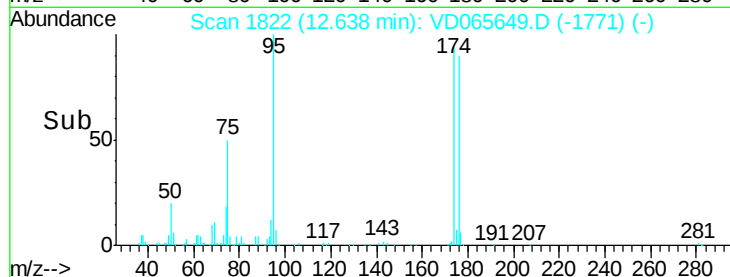
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065649.D

Acq: 17 Apr 2020 17:24

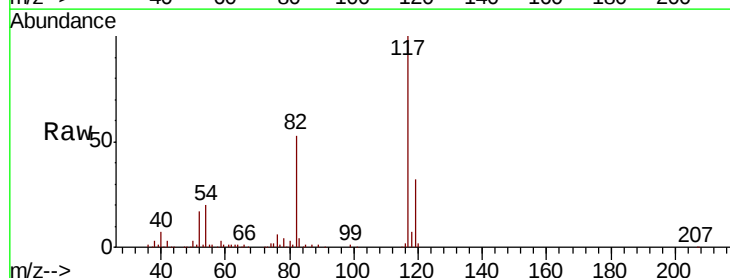
Tgt Ion: 117 Resp: 342241

Ion Ratio Lower Upper

117 100

82 53.4 43.2 64.8

119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

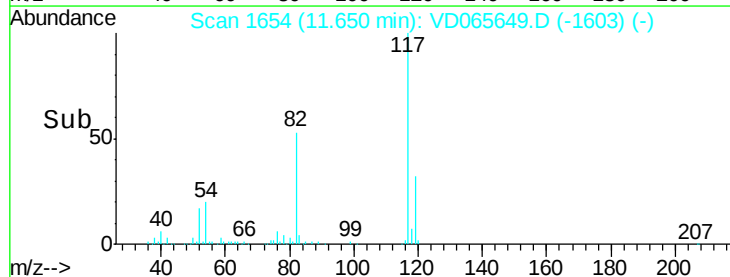
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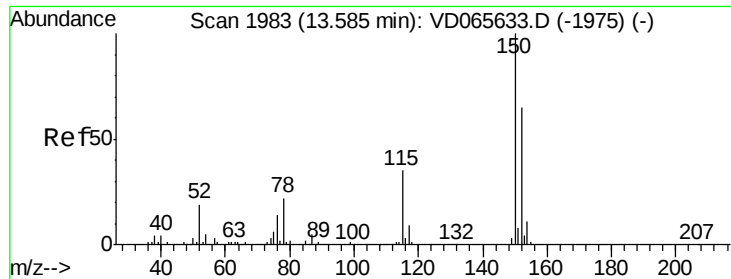
50000

0

11.60 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065649.D

Acq: 17 Apr 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-4-S2

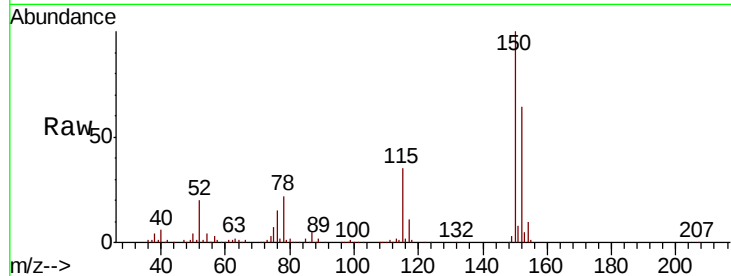
Tot Ion:152 Resp: 156236

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.7

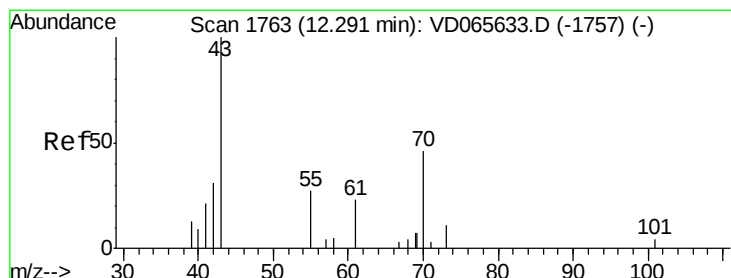
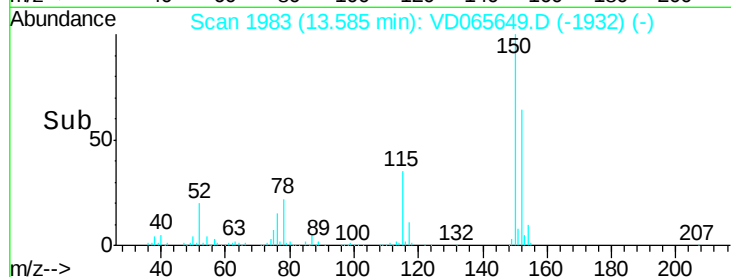
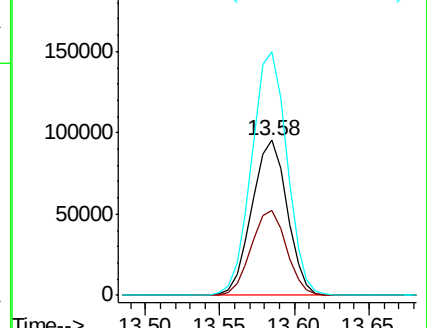
150 157.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.836 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD065649.D

Acq: 17 Apr 2020 17:24

Tgt Ion: 43 Resp: 61

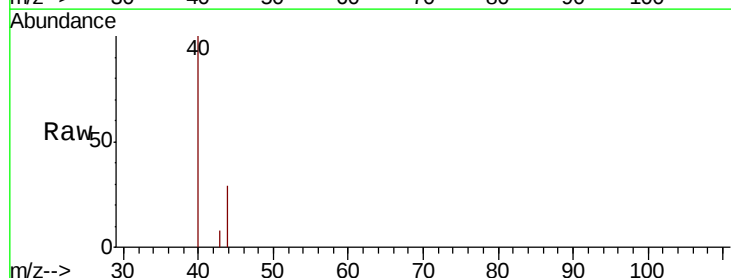
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.0#

55 0.0 22.2 33.2#

61 0.0 19.3 28.9#

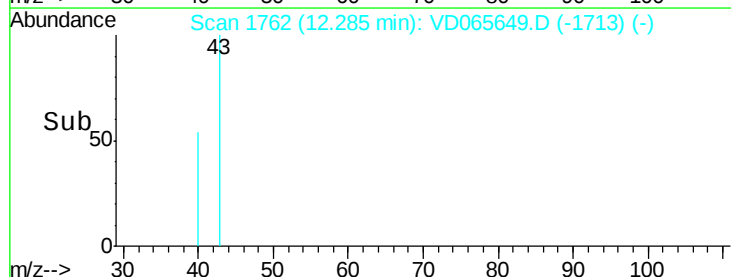
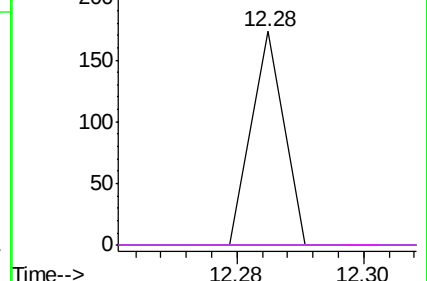


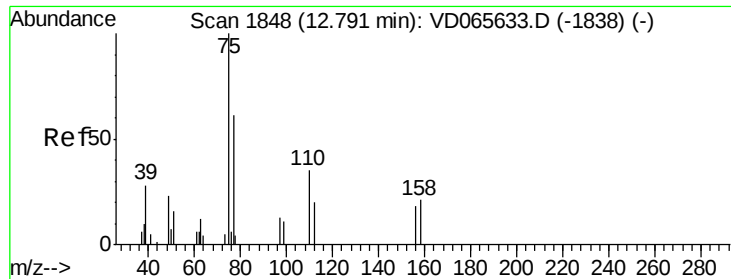
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

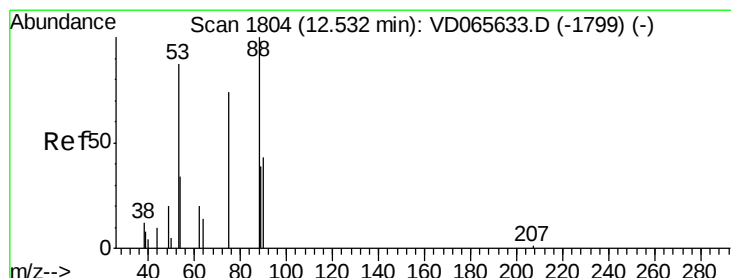
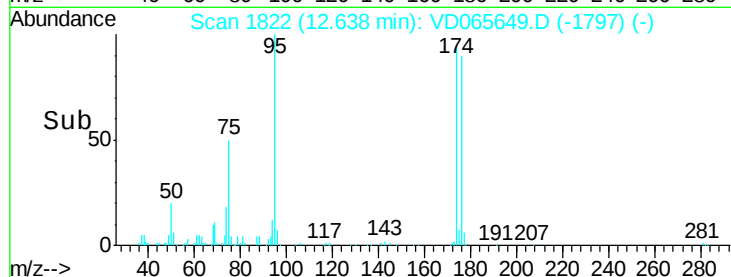
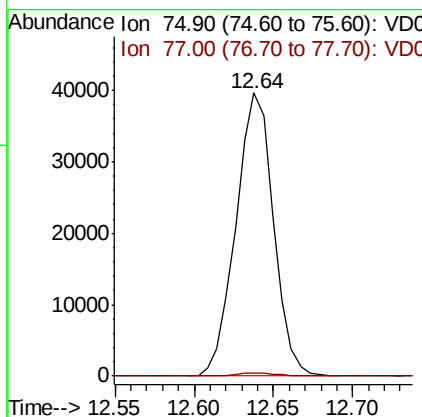
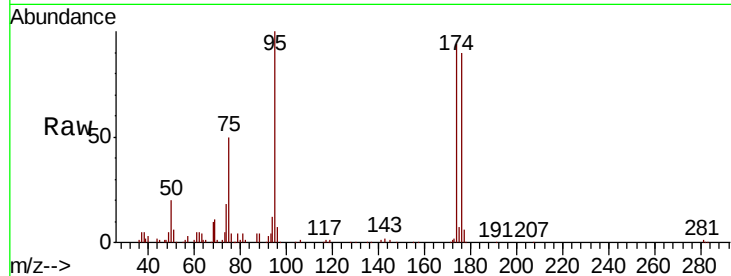




#76
 1,2,3-Trichloropropane
 Concen: 51.764 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

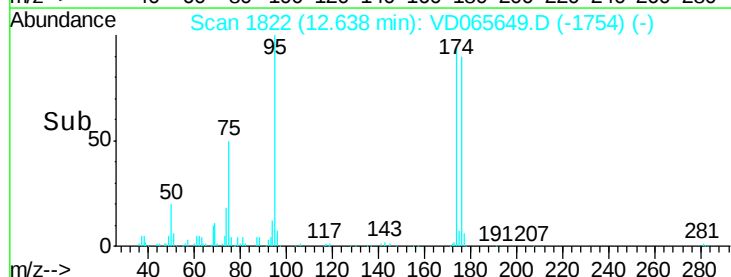
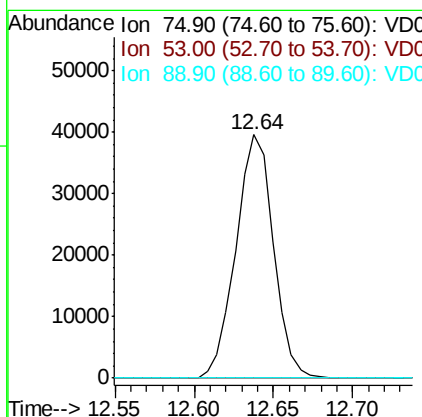
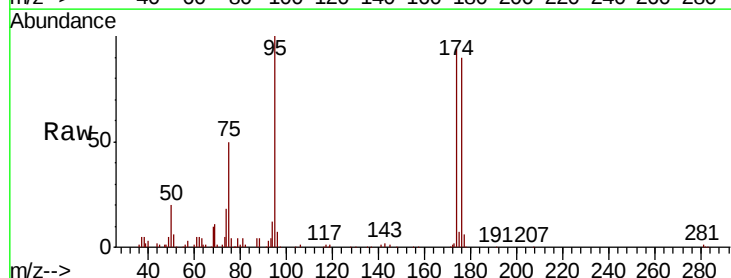
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-S2

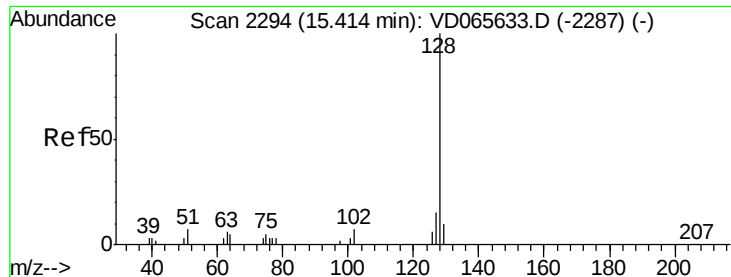
Tot Ion: 75 Resp: 65025
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.447 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065649.D
 Acq: 17 Apr 2020 17:24

Tgt Ion: 75 Resp: 65025
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 36.1 54.1#





#95
Naphthalene
Concen: 4.151 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065649.D
Acq: 17 Apr 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
TP-4-S2

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.8	13.2#

