

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067111.D
 Acq On : 06 Oct 2020 16:45
 Operator : VA/SY
 Sample : L4272-36
 Misc : 7.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-5-(6.5)

Quant Time: Oct 07 01:11:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	398385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	677919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	633694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	198018	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	7.91	113	222079	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.34	98	794062	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.64	95	260584	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

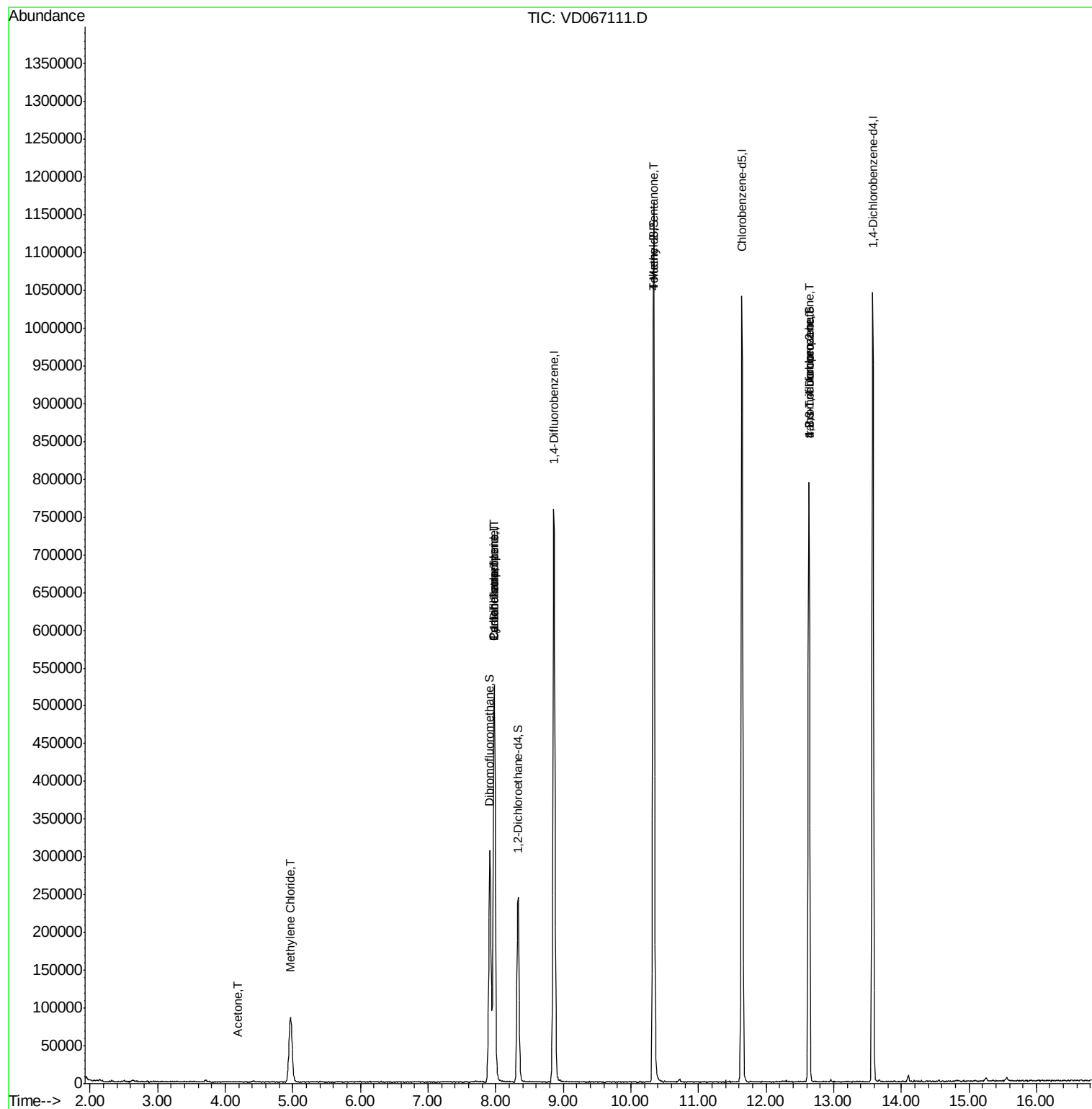
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	153	Below Cal	#	40
5) Bromomethane	2.79	94	65	Below Cal	#	1
16) Acetone	4.18	43	806	1.376	ug/l #	42
20) Methylene Chloride	4.97	84	76265	12.958	ug/l	93
31) Cyclohexane	7.98	56	8142	1.413	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	28212	4.465	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41606	6.085	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	2867	1.427	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	129203	50.961	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129203	127.051	ug/l #	12

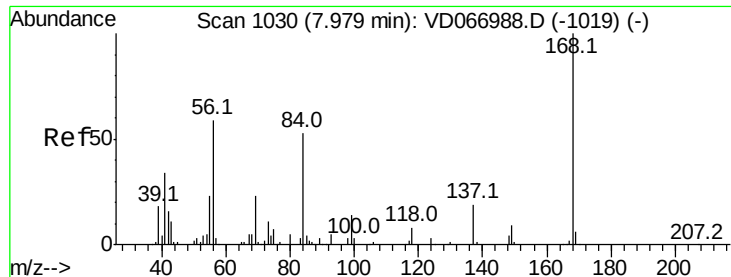
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
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QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

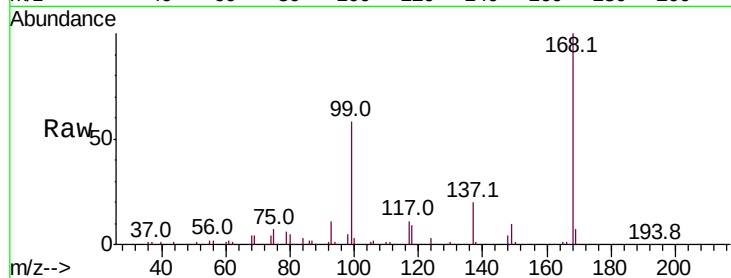
SC-5-(6.5)

Tot Ion:168 Resp: 398385

Ion Ratio Lower Upper

168 100

99 57.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

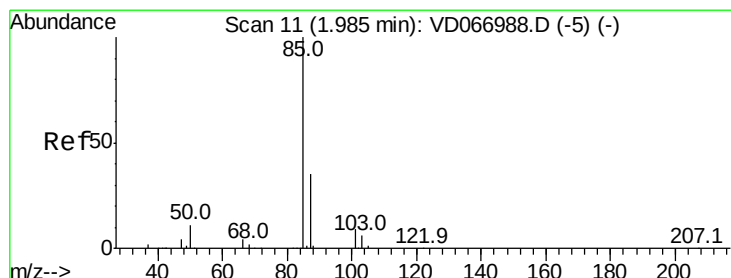
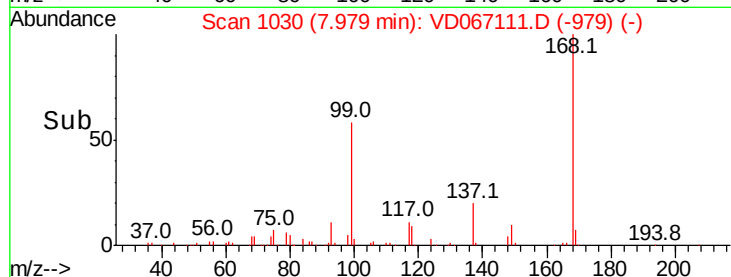
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067111.D

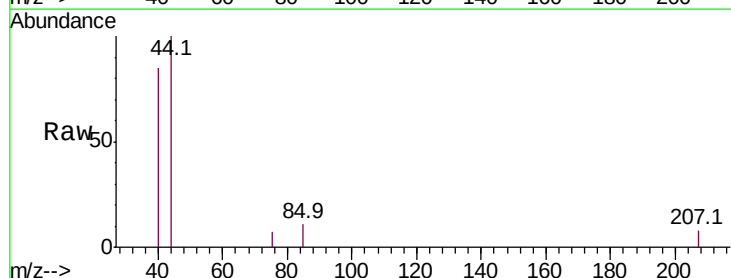
Acq: 06 Oct 2020 16:45

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

150

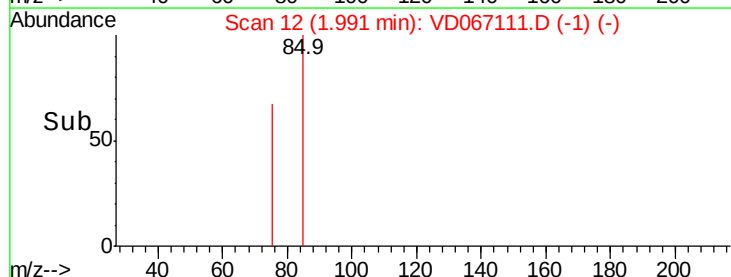
100

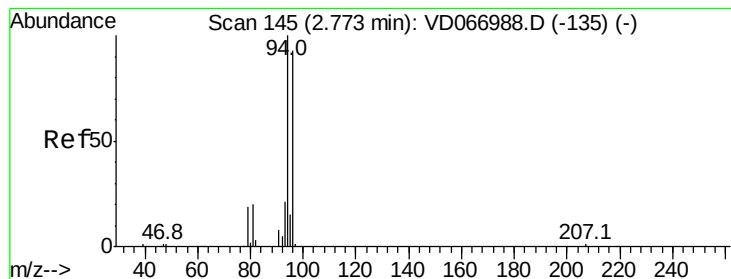
50

0

Time-->

1.96 1.98 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

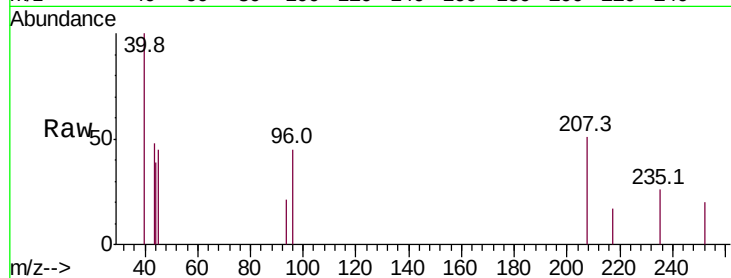
SC-5-(6.5)

Tot Ion: 94 Resp: 65

Ion Ratio Lower Upper

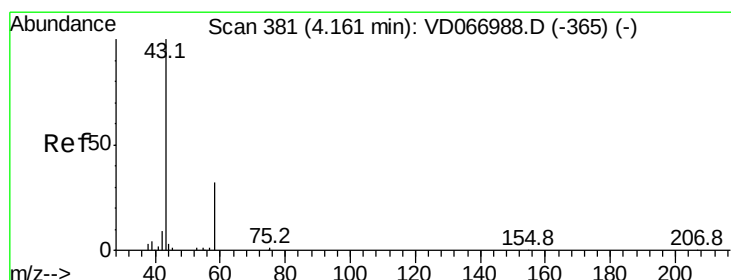
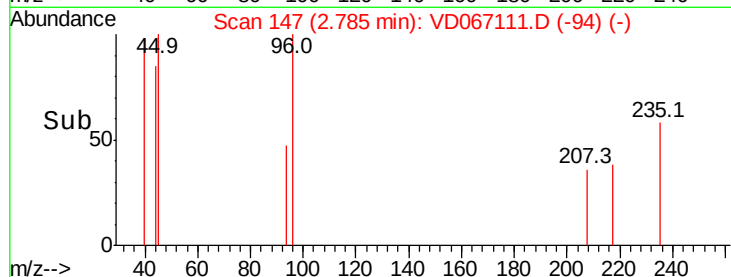
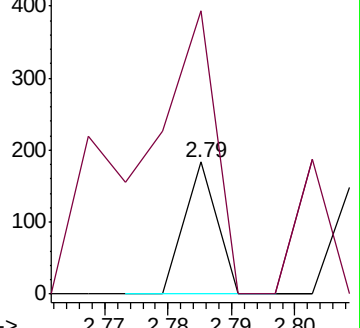
94 100

96 214.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.376 ug/l

RT: 4.18 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD067111.D

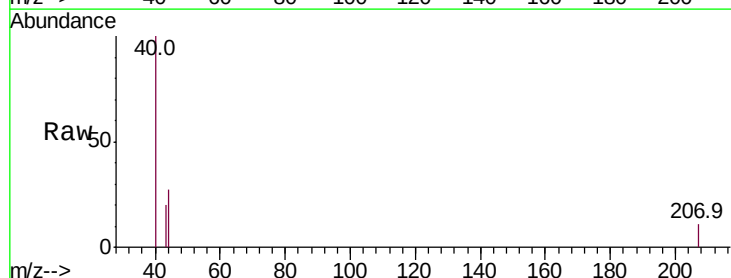
Acq: 06 Oct 2020 16:45

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

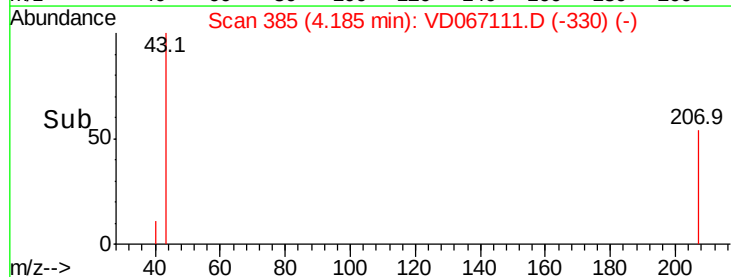
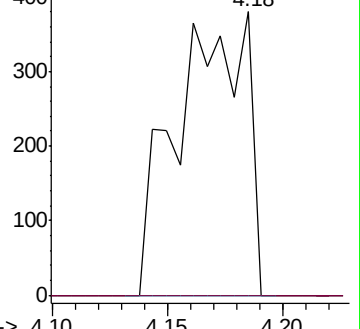
43 100

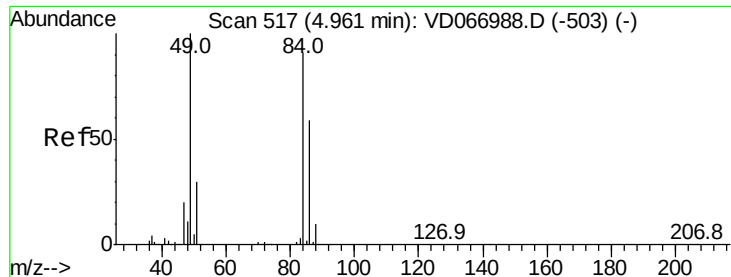
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

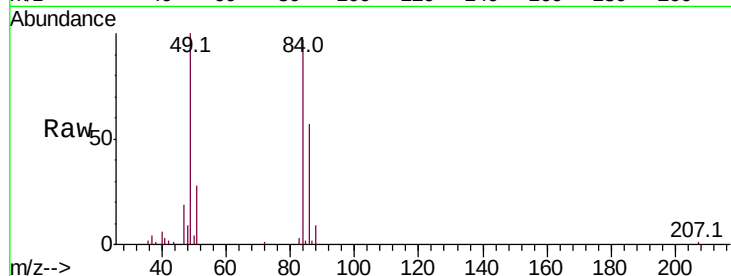




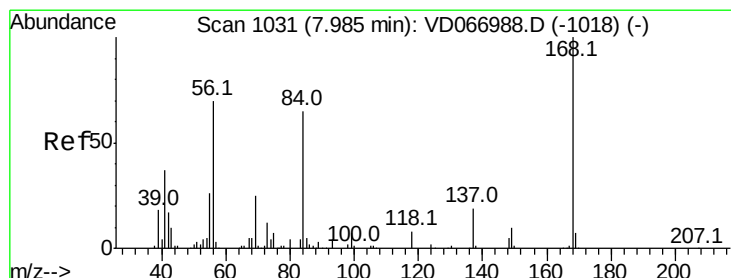
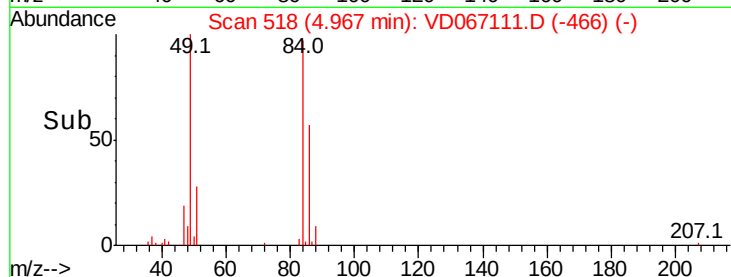
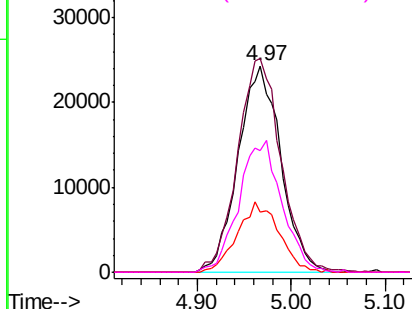
#20
Methylene Chloride
Concen: 12.958 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
SC-5-(6.5)

Tot Ion: 84 Resp: 76265
Ion Ratio Lower Upper
84 100
49 103.6 88.2 132.2
51 29.4 26.6 39.8
86 58.7 52.1 78.1

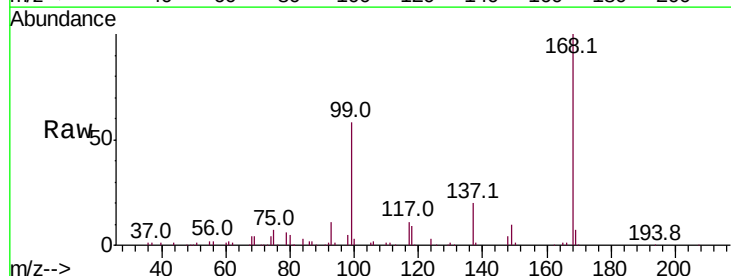


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

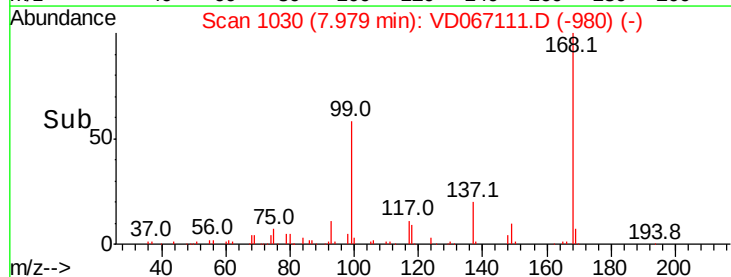
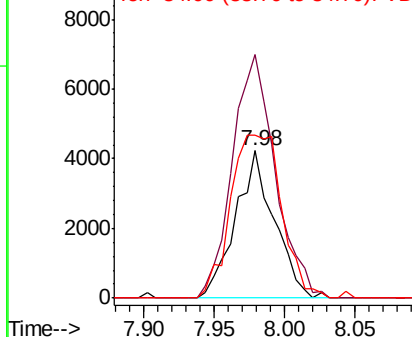


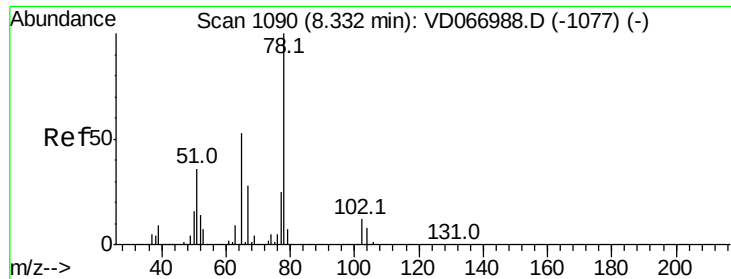
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Tgt Ion: 56 Resp: 8142
Ion Ratio Lower Upper
56 100
69 165.1 29.0 43.6#
84 110.8 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

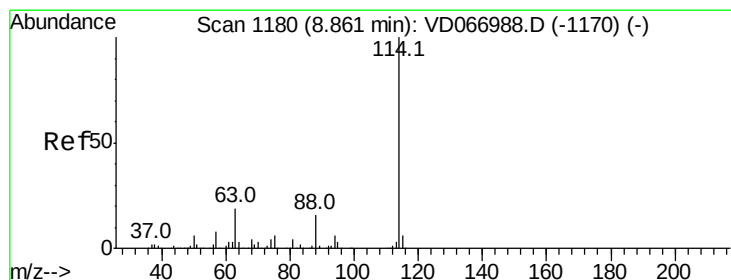
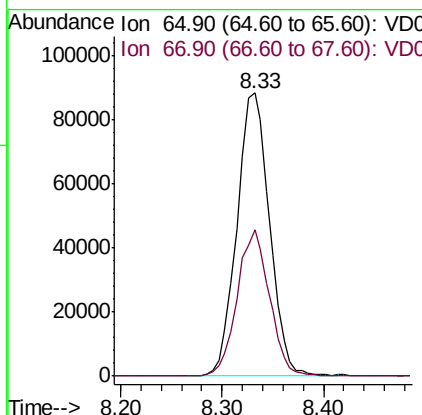
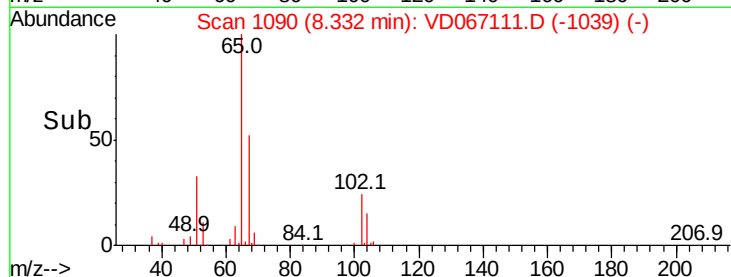
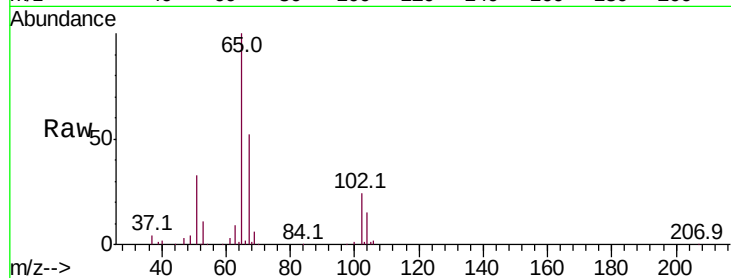




#33
 1,2-Dichloroethane-d4
 Concen: 51.604 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067111.D
 Acq: 06 Oct 2020 16:45

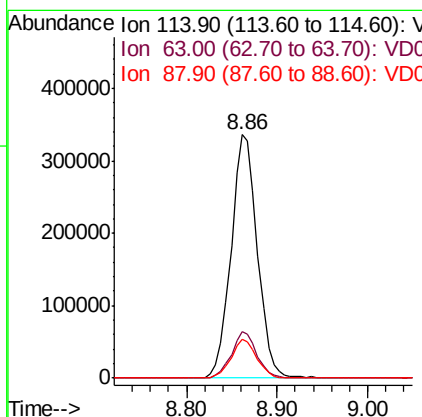
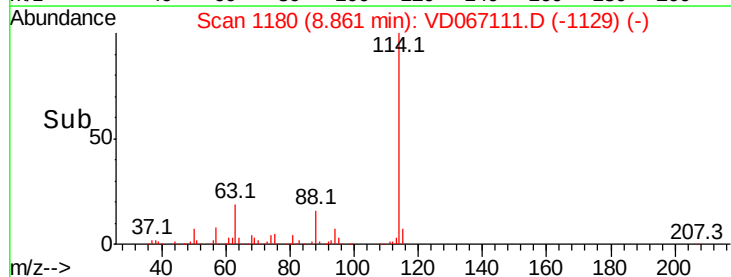
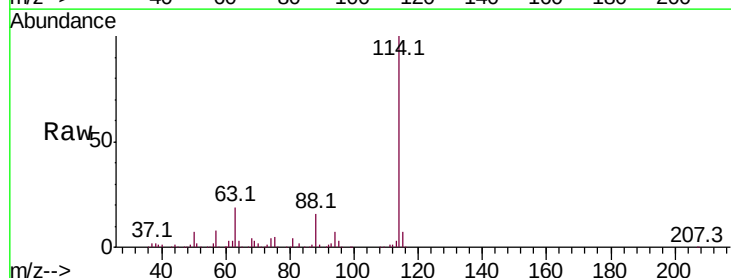
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-5-(6.5)

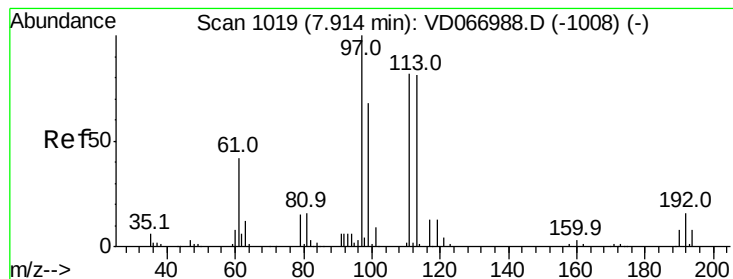
Tot Ion: 65 Resp: 198018
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067111.D
 Acq: 06 Oct 2020 16:45

Tgt Ion: 114 Resp: 677919
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.038 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

SC-5-(6.5)

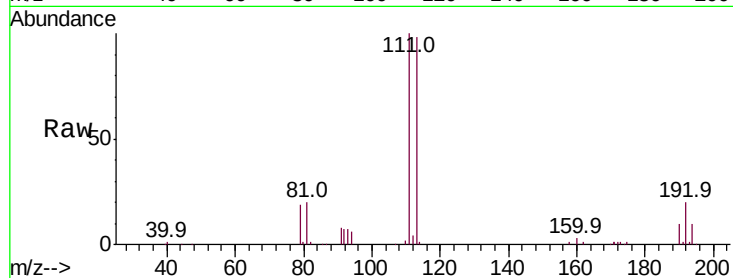
Tot Ion:113 Resp: 222079

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.4

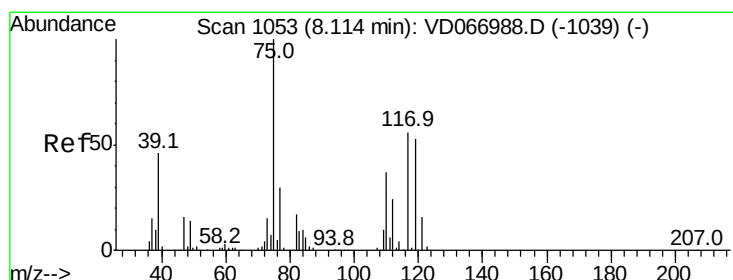
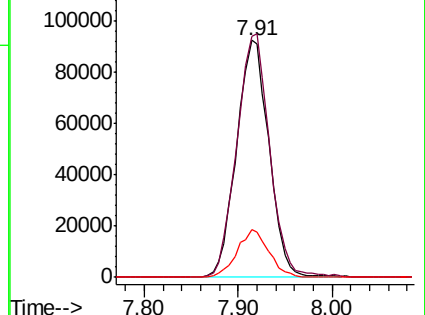
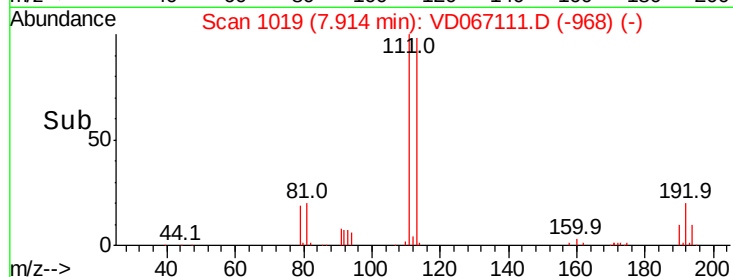
192 19.6 15.5 23.3



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: 4.465 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

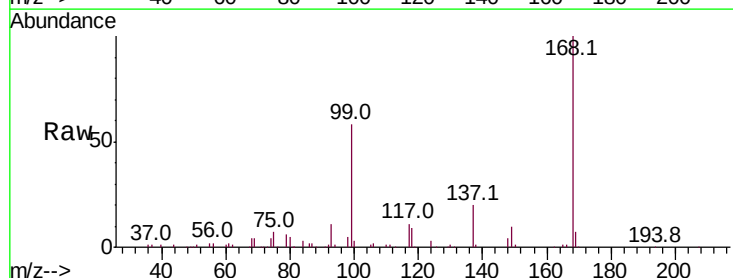
Tgt Ion: 75 Resp: 28212

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

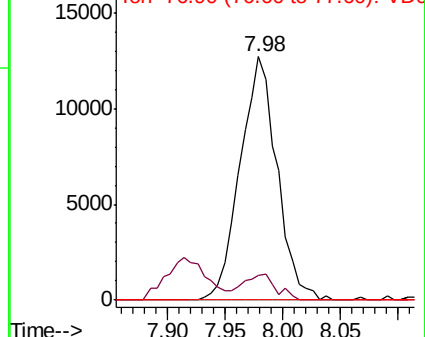
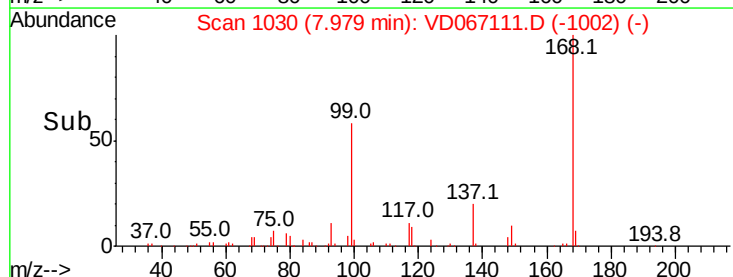
77 0.0 24.8 37.2#

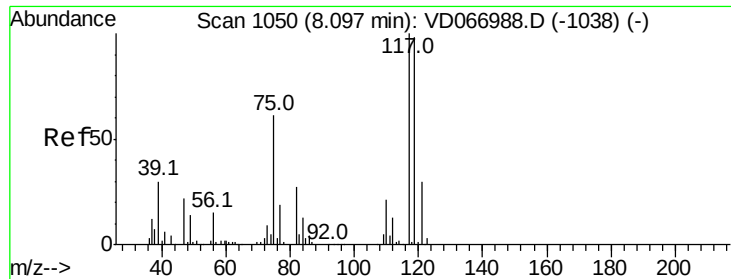


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

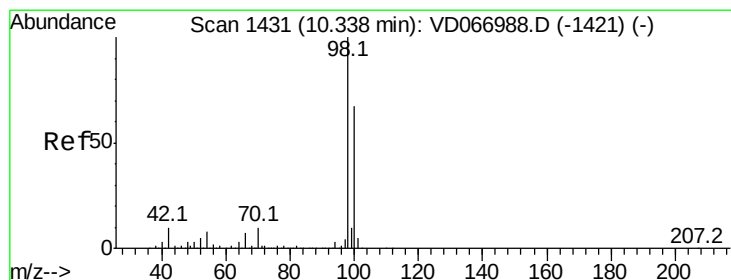
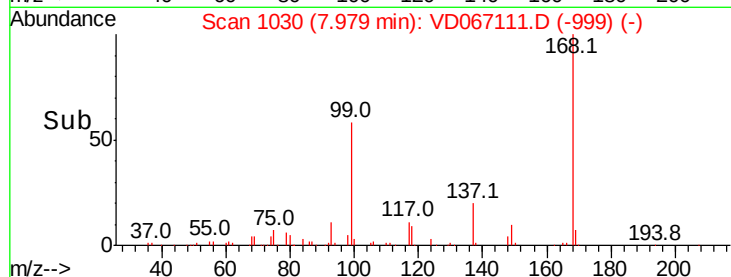
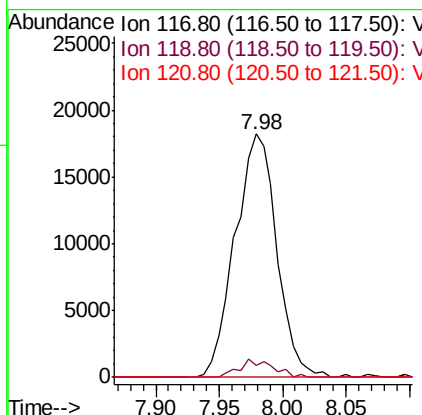
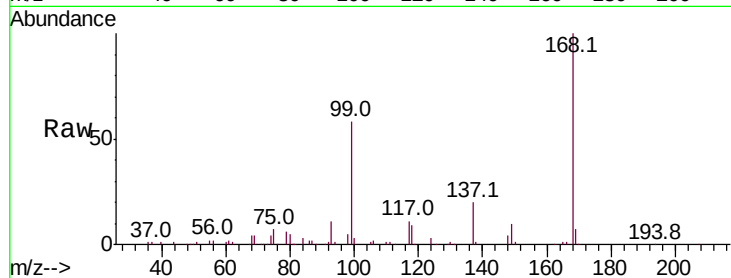




#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

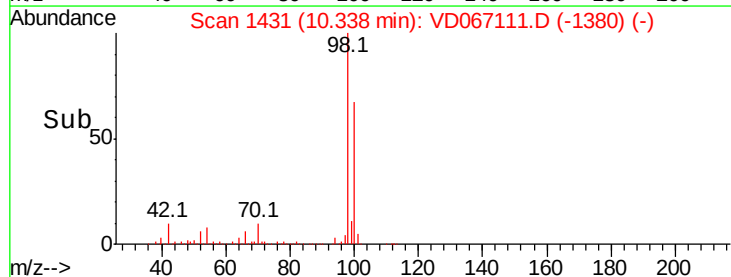
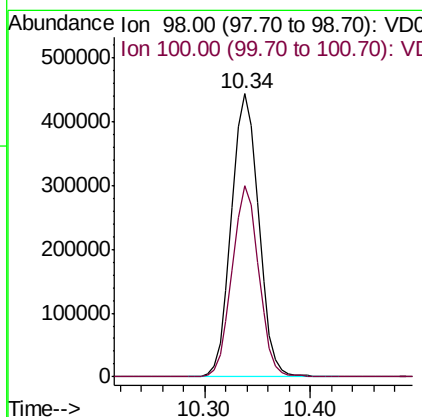
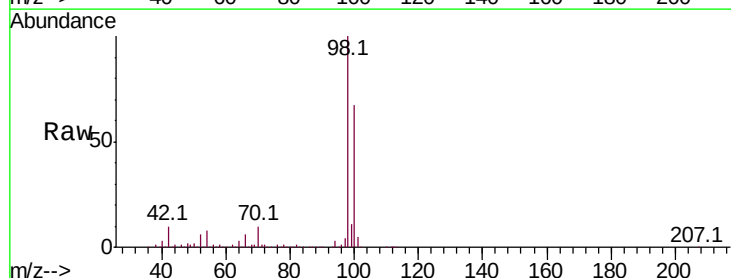
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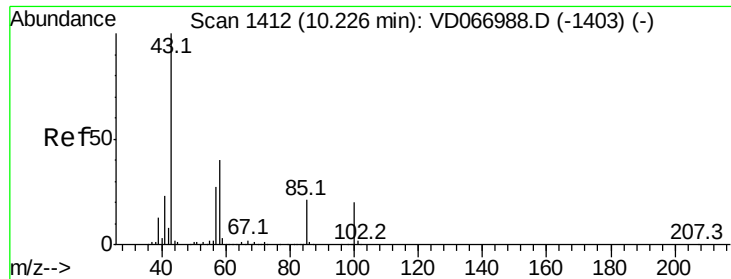
Tot Ion:117 Resp: 41606
Ion Ratio Lower Upper
117 100
119 4.8 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Tgt Ion: 98 Resp: 794062
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

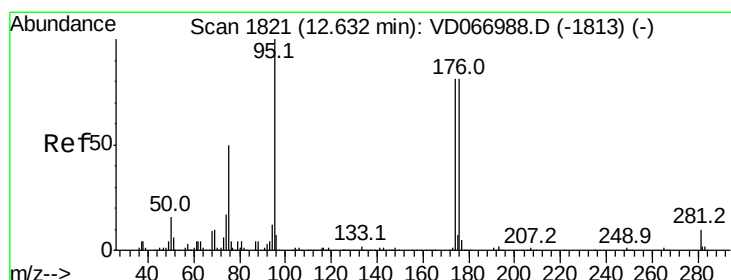
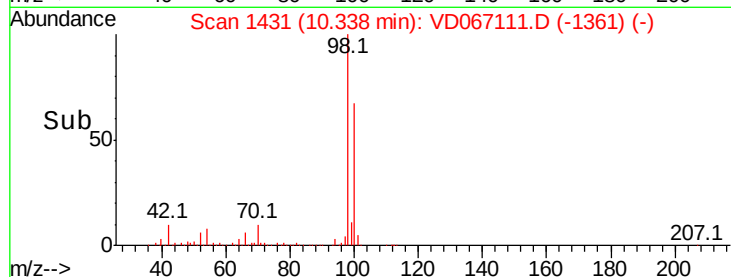
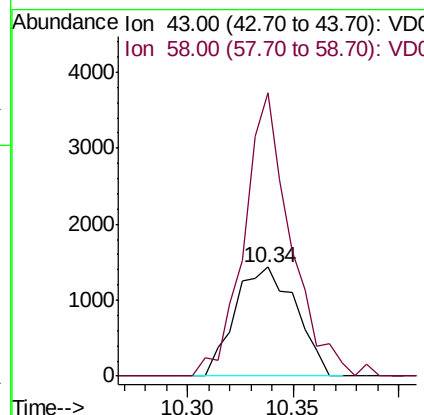
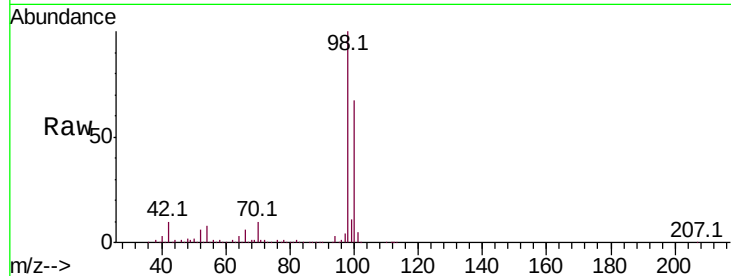




#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

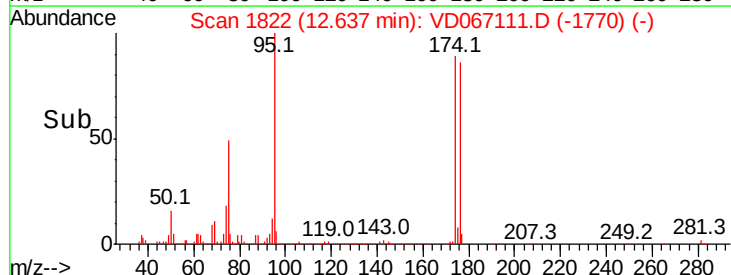
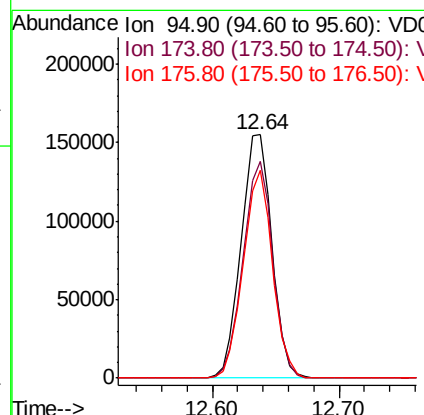
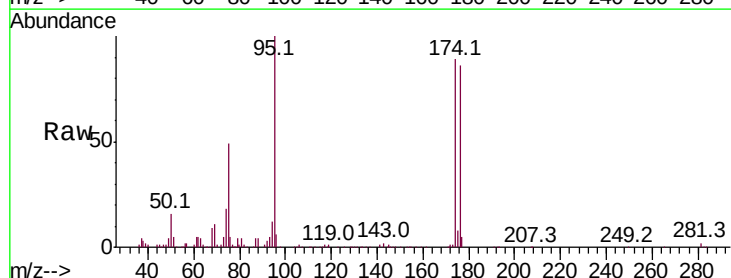
Instrument :
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SC-5-(6.5)

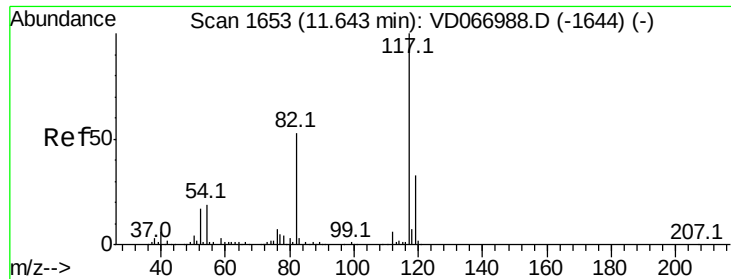
Tot Ion: 43 Resp: 2867
Ion Ratio Lower Upper
43 100
58 200.9 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 47.464 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Tgt Ion: 95 Resp: 260584
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 81.5 0.0 162.4

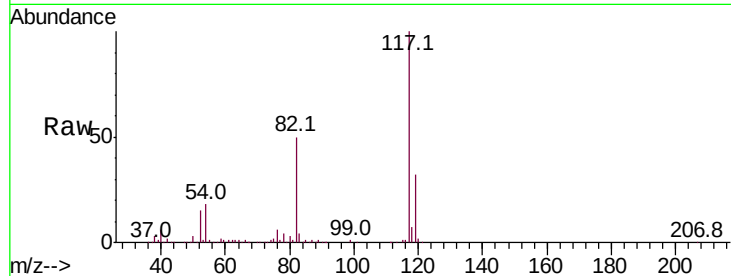




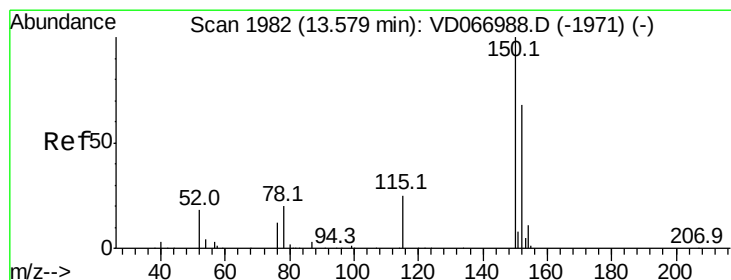
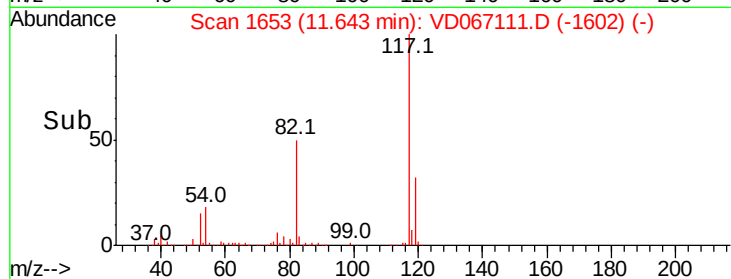
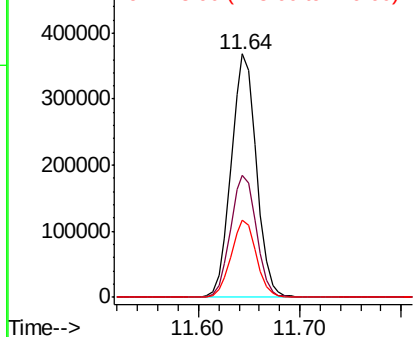
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampled :
SC-5-(6.5)

Tot Ion:117 Resp: 633694
Ion Ratio Lower Upper
117 100
82 50.3 42.6 63.8
119 31.7 26.3 39.5

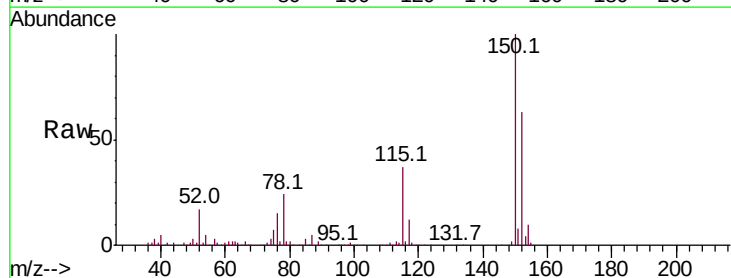


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

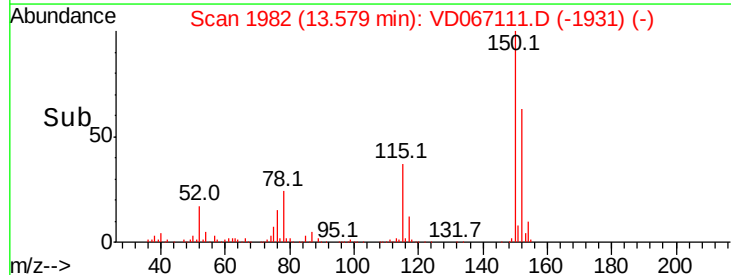
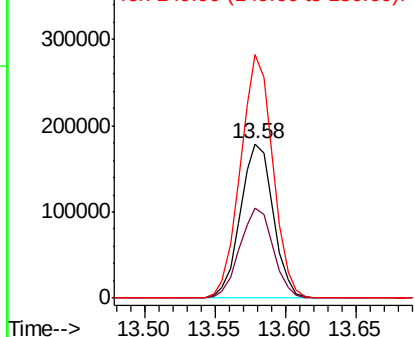


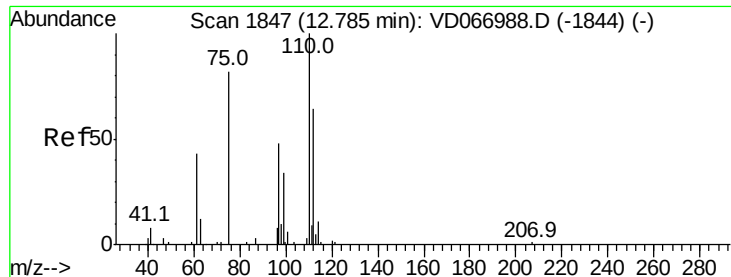
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067111.D
Acq: 06 Oct 2020 16:45

Tgt Ion:152 Resp: 291074
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.8
150 155.8 0.0 344.8



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





#76

1,2,3-Trichloropropane

Concen: 50.961 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

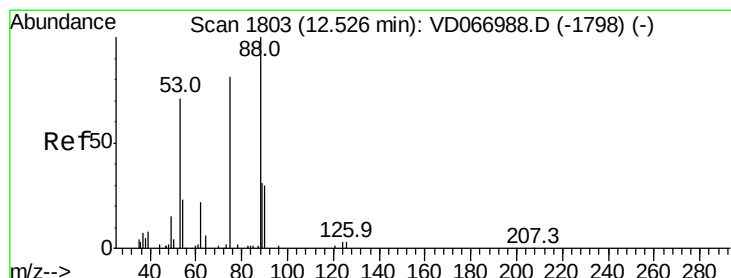
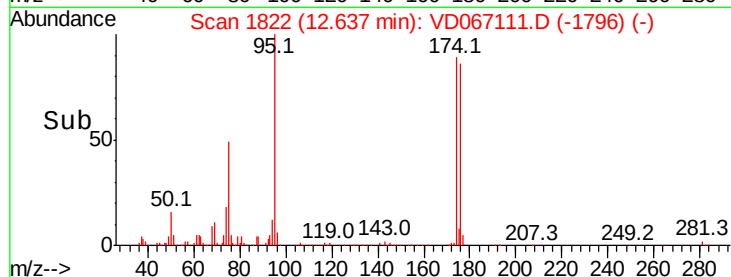
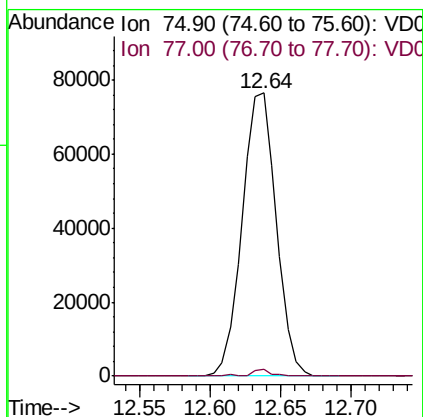
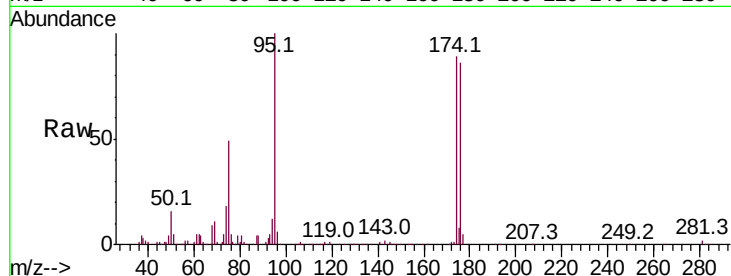
SC-5-(6.5)

Tot Ion: 75 Resp: 129203

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.051 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067111.D

Acq: 06 Oct 2020 16:45

Tgt Ion: 75 Resp: 129203

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

