

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067067.D
 Acq On : 03 Oct 2020 07:01
 Operator : VA/SY
 Sample : L4231-01
 Misc : 7.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 337

Quant Time: Oct 03 07:51:01 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

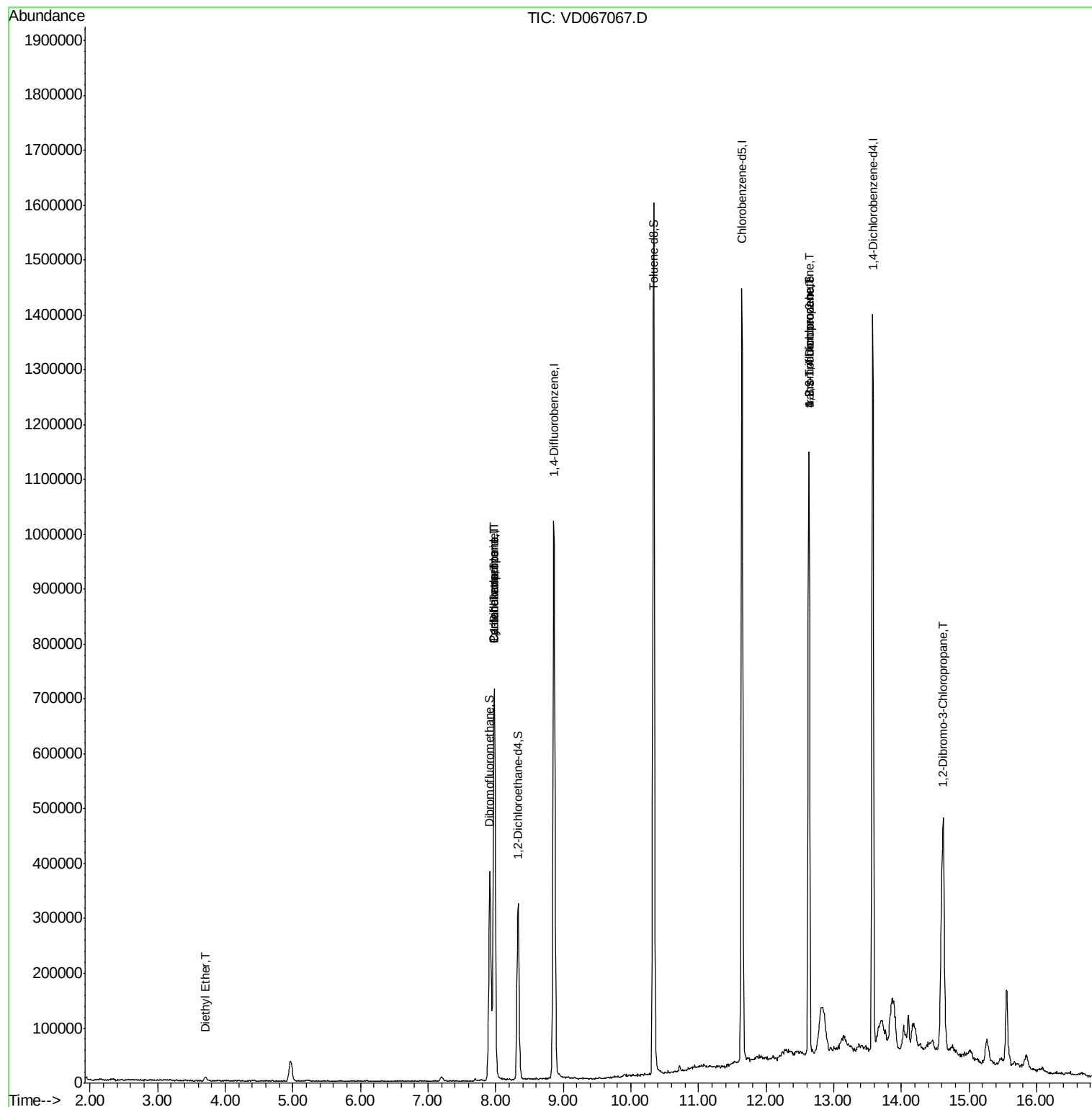
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	552438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	912568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	857637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	249838	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.91	113	278961	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	10.34	98	1086513	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.63	95	372126	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.99	85	333	Below Cal	#	40
5) Bromomethane	2.77	94	90	Below Cal		99
8) Diethyl Ether	3.71	74	3937	1.620	ug/l	79
11) Tert butyl alcohol	5.20	59	1416	Below Cal	#	72
20) Methylene Chloride	4.96	84	31149	Below Cal		97
26) 2,2-Dichloropropane	7.19	77	383	Below Cal		83
31) Cyclohexane	7.97	56	10122	1.267	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	38866	4.569	ug/l #	51
38) Carbon Tetrachloride	7.98	117	54452	5.916	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	180966	55.030	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	180966	137.197	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.61	75	7753	11.135	ug/l #	3

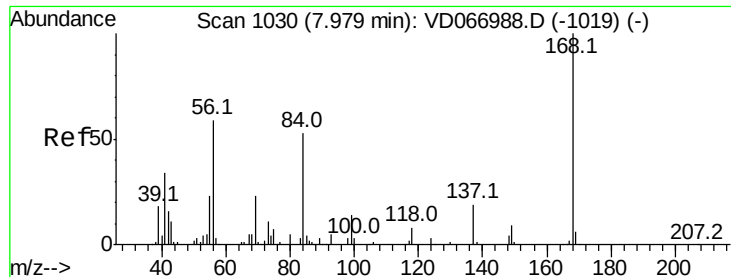
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067067.D
Acq On : 03 Oct 2020 07:01
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Quant Title : SW846 8260
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# 1031

Delta R.T. 0.01 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

Instrument :

MSVOA_D

ClientSampleId :

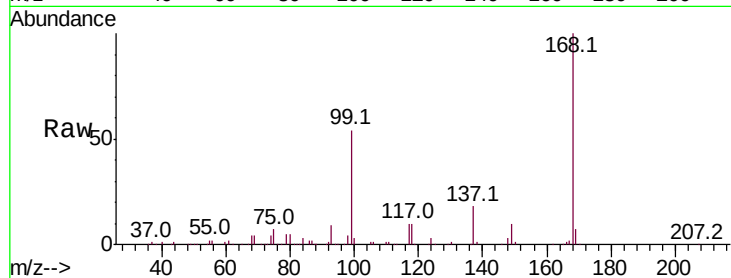
337

Tot Ion:168 Resp: 552438

Ion Ratio Lower Upper

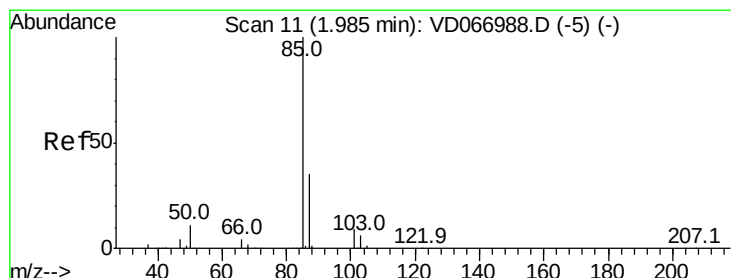
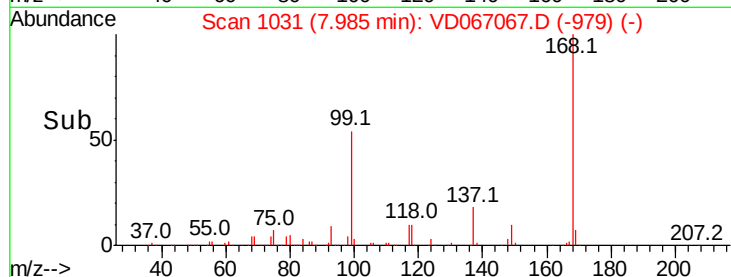
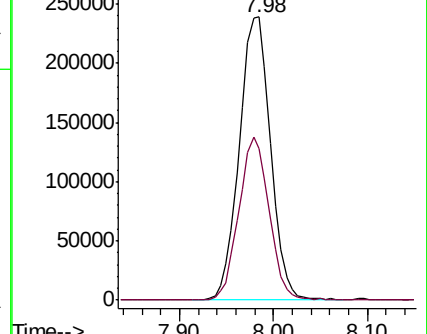
168 100

99 53.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067067.D

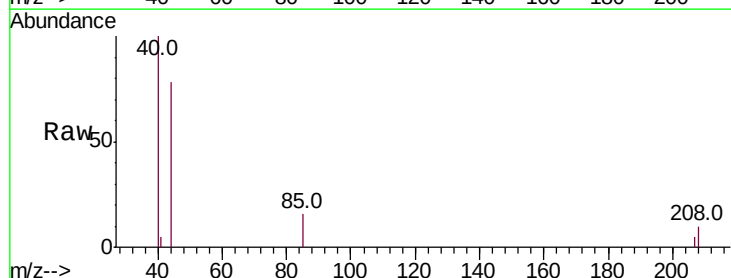
Acq: 03 Oct 2020 07:01

Tgt Ion: 85 Resp: 333

Ion Ratio Lower Upper

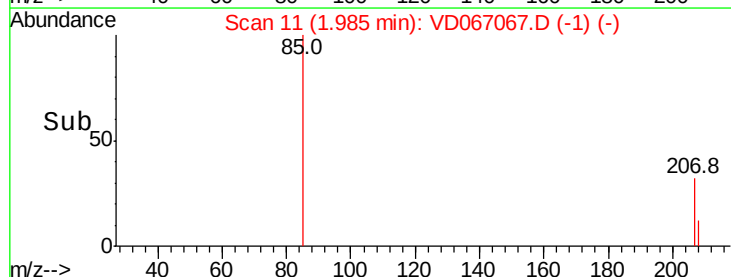
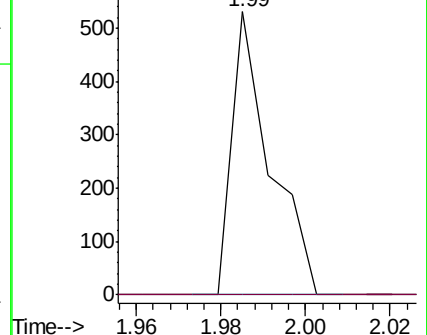
85 100

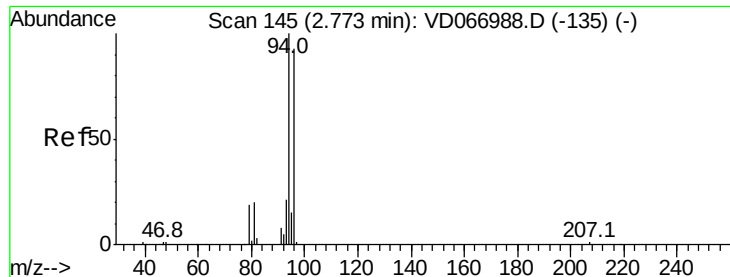
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

Instrument :

MSVOA_D

ClientSampleId :

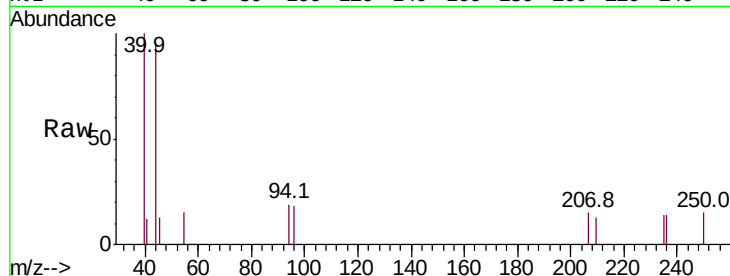
337

Tot Ion: 94 Resp: 90

Ion Ratio Lower Upper

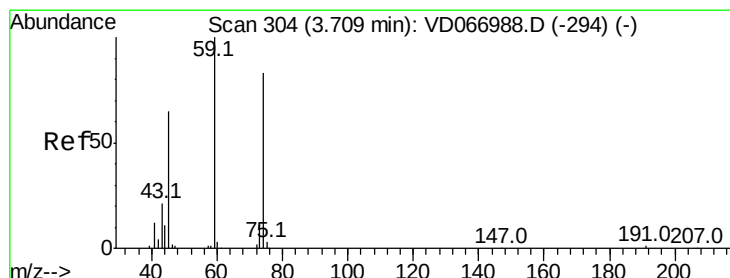
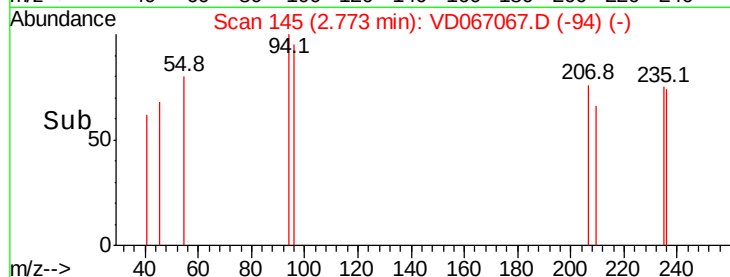
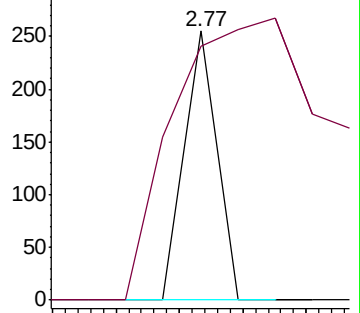
94 100

96 94.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.620 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067067.D

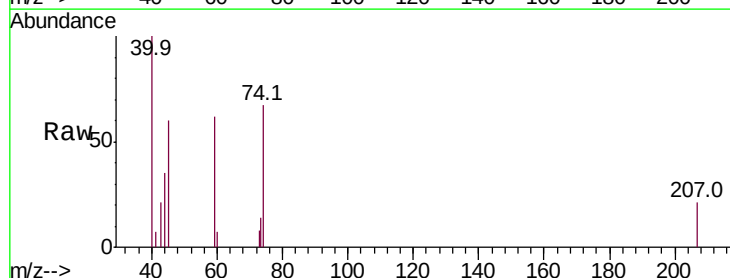
Acq: 03 Oct 2020 07:01

Tgt Ion: 74 Resp: 3937

Ion Ratio Lower Upper

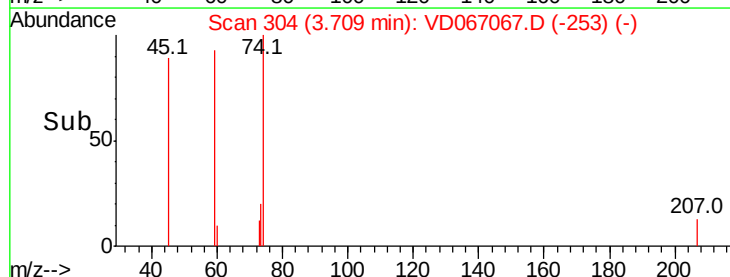
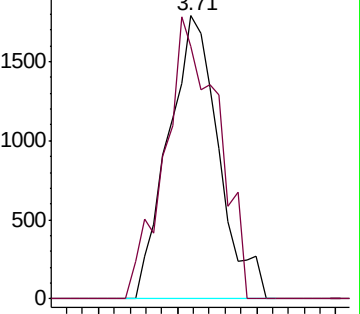
74 100

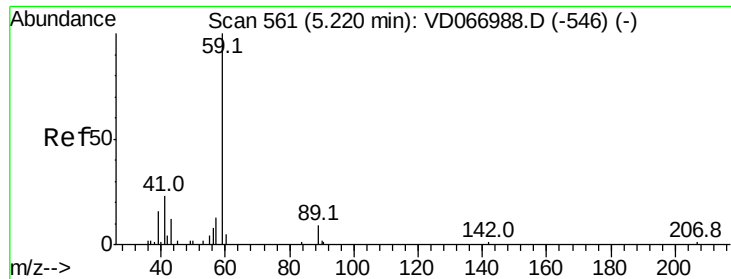
45 105.4 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



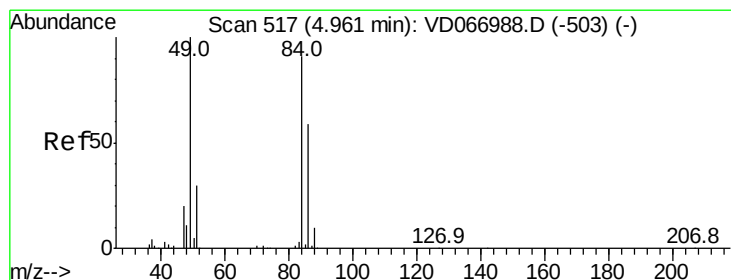
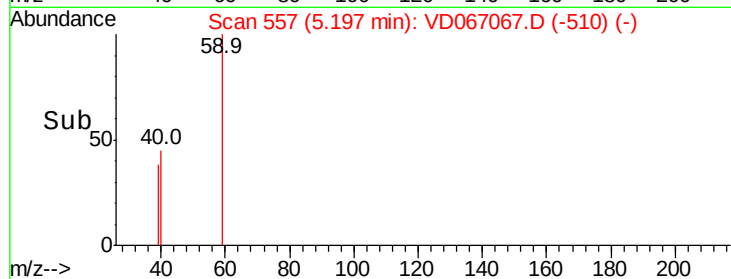
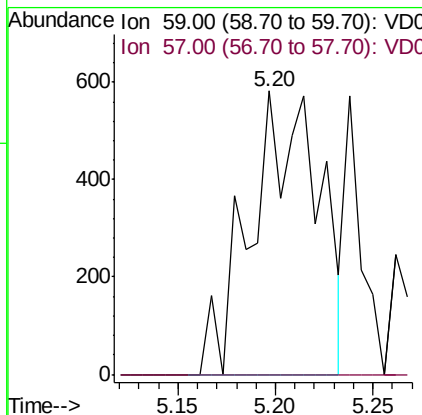
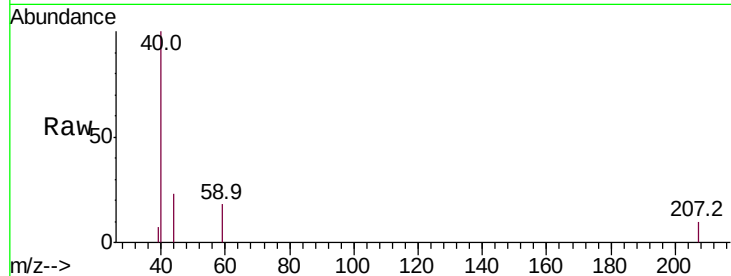


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Instrument :
MSVOA_D
ClientSampleId :
337

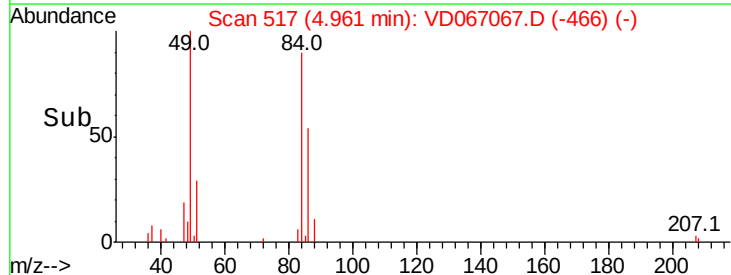
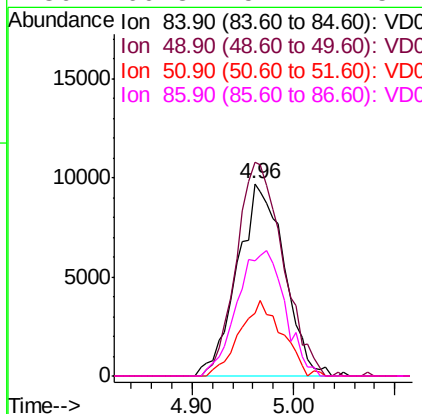
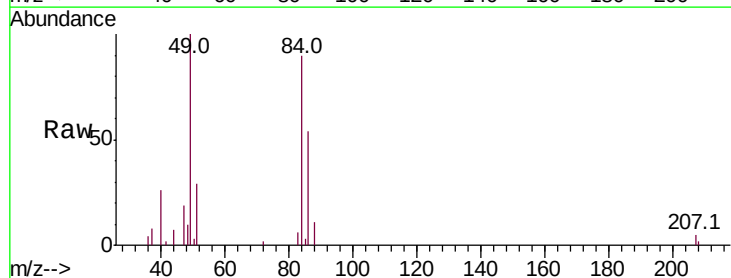
Tot Ion: 59 Resp: 1416
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

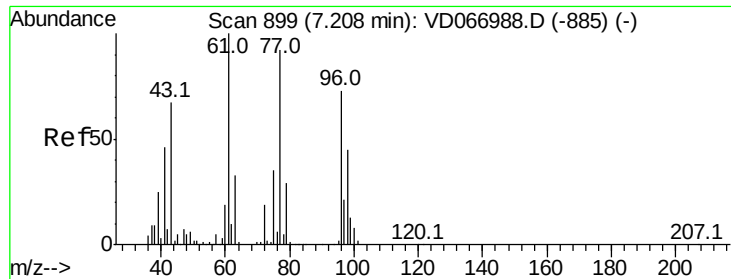


#20

Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Tgt Ion: 84 Resp: 31149
Ion Ratio Lower Upper
84 100
49 111.1 88.2 132.2
51 32.6 26.6 39.8
86 60.3 52.1 78.1

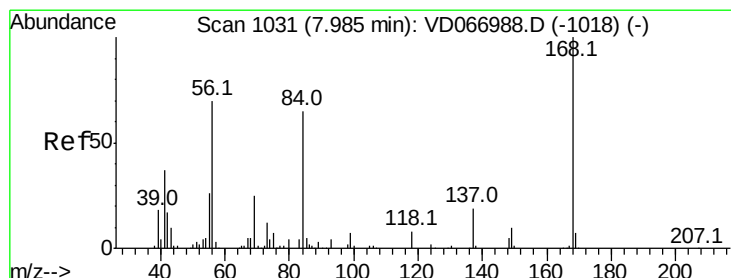
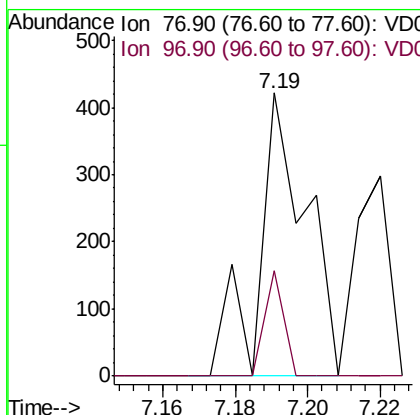
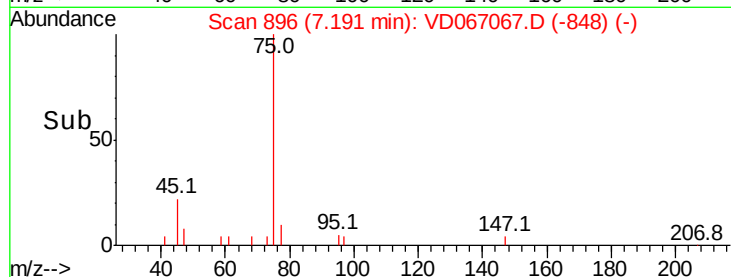
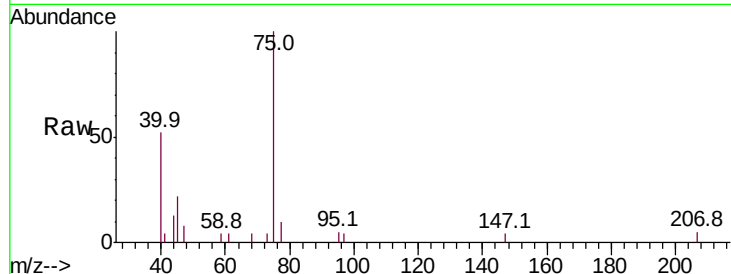




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

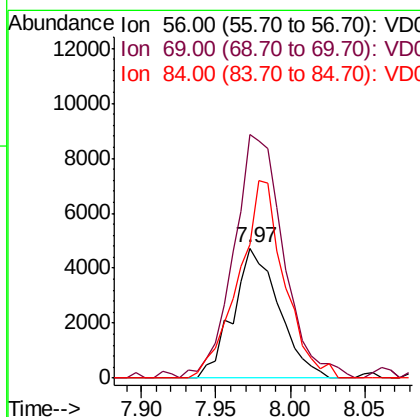
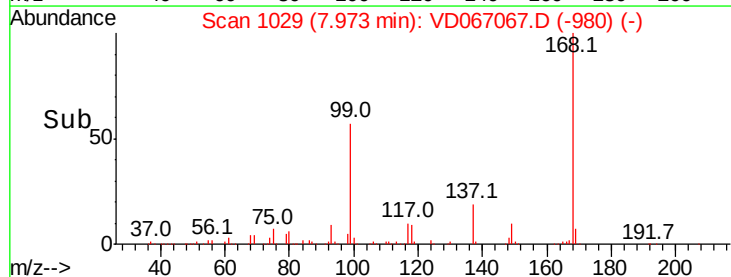
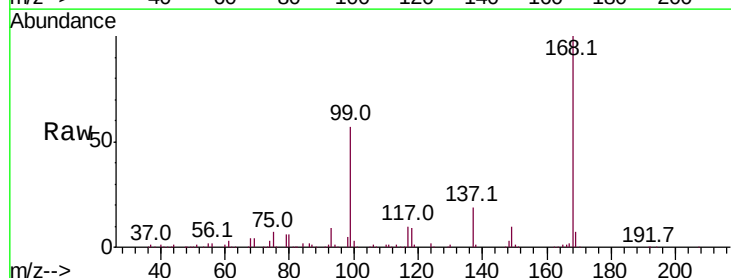
Instrument :
MSVOA_D
ClientSampleId :
337

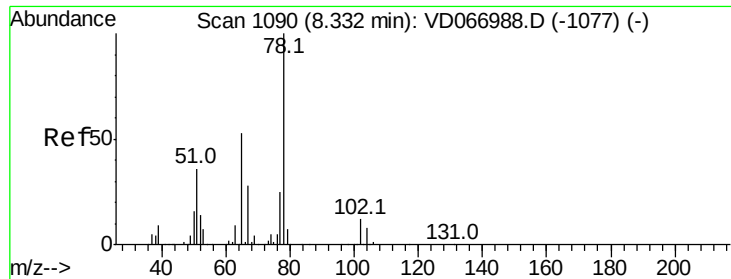
Tot Ion: 77 Resp: 383
Ion Ratio Lower Upper
77 100
97 14.4 11.4 34.2



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Tgt Ion: 56 Resp: 10122
Ion Ratio Lower Upper
56 100
69 181.4 29.0 43.6#
84 103.0 74.2 111.2

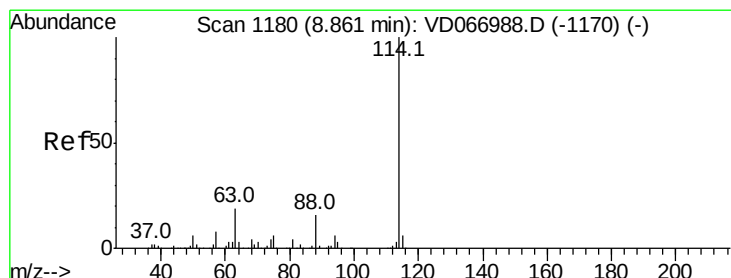
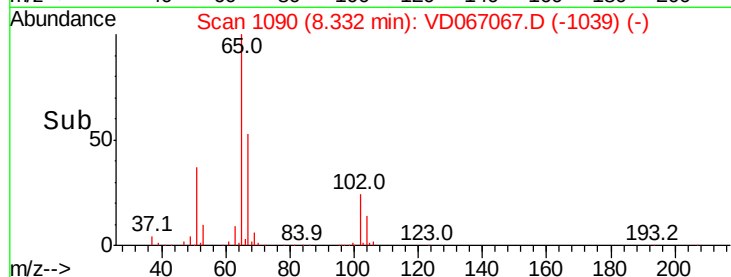
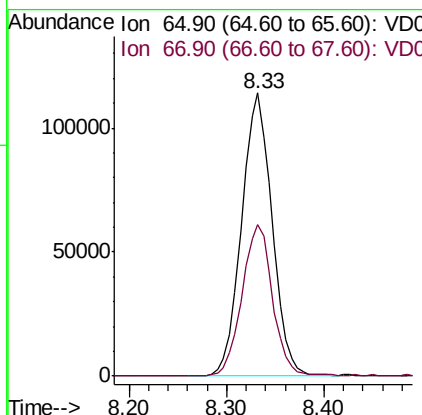
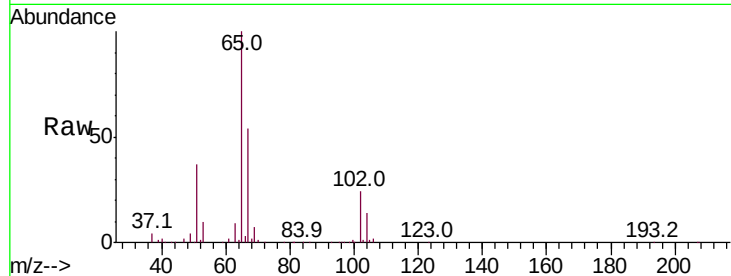




#33
 1,2-Dichloroethane-d4
 Concen: 46.953 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067067.D
 Acq: 03 Oct 2020 07:01

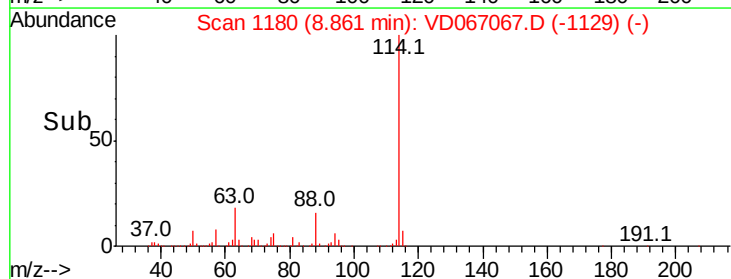
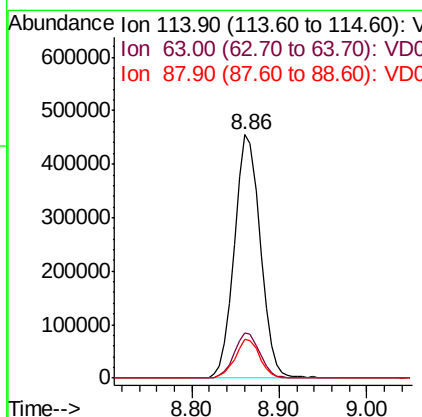
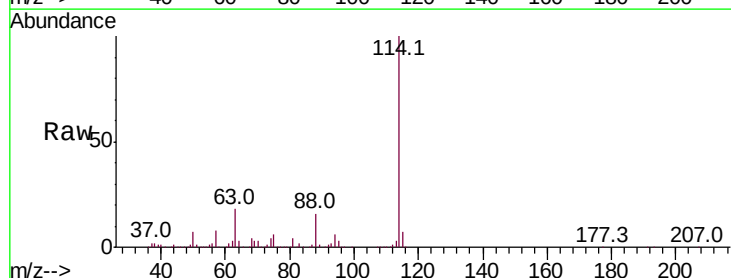
Instrument :
 MSVOA_D
 ClientSampled :
 337

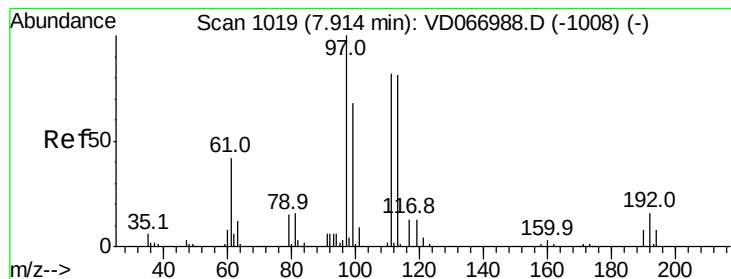
Tot Ion: 65 Resp: 249838
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067067.D
 Acq: 03 Oct 2020 07:01

Tgt Ion: 114 Resp: 912568
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.693 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

Instrument :

MSVOA_D

ClientSampled :

337

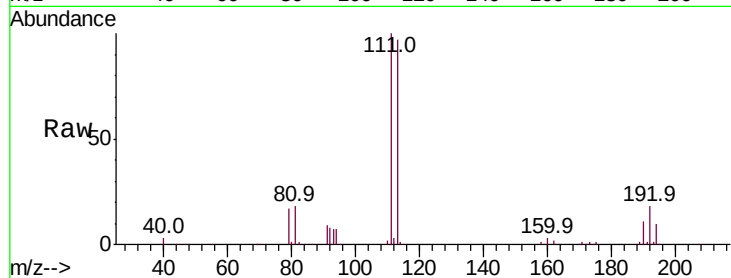
Tot Ion:113 Resp: 278961

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

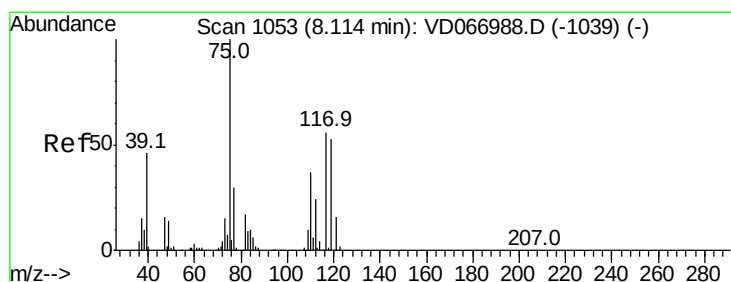
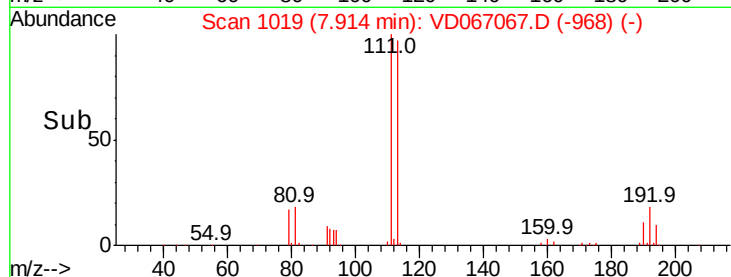
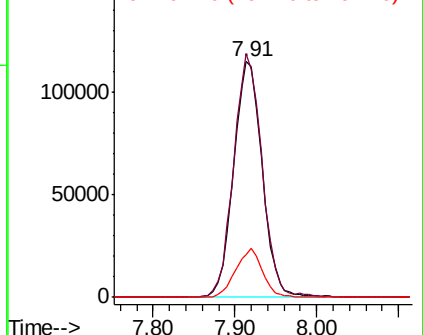
192 19.4 15.5 23.3



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: 4.569 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

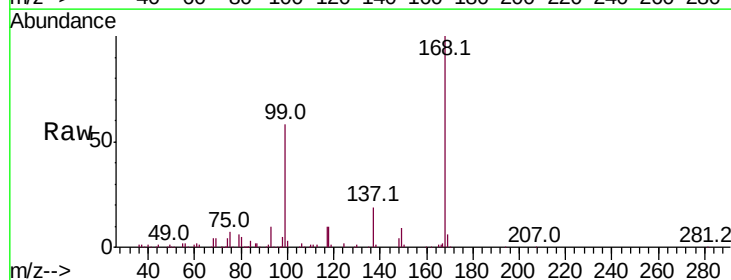
Tgt Ion: 75 Resp: 38866

Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.0#

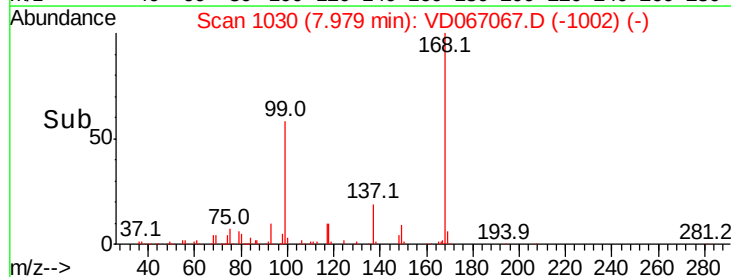
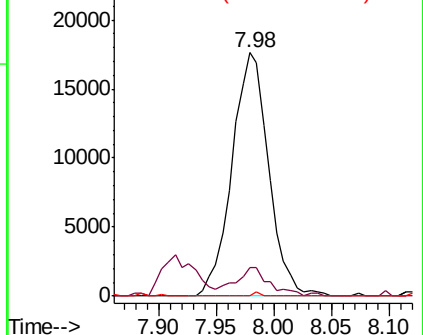
77 0.2 24.8 37.2#

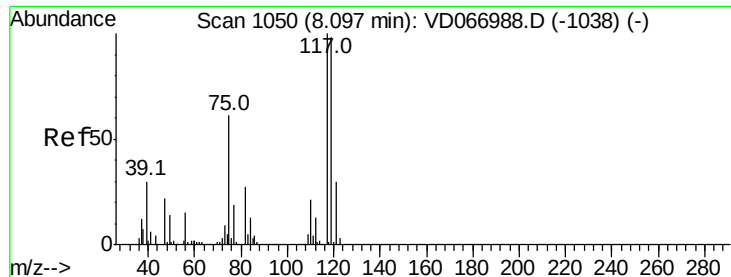


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

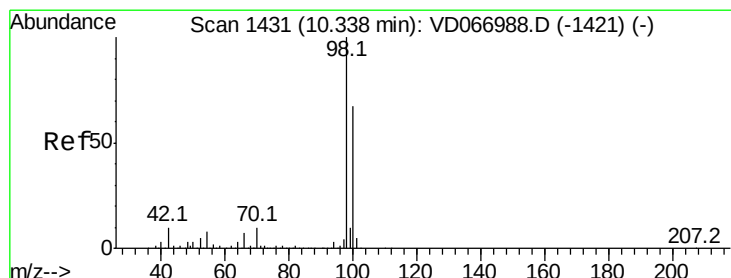
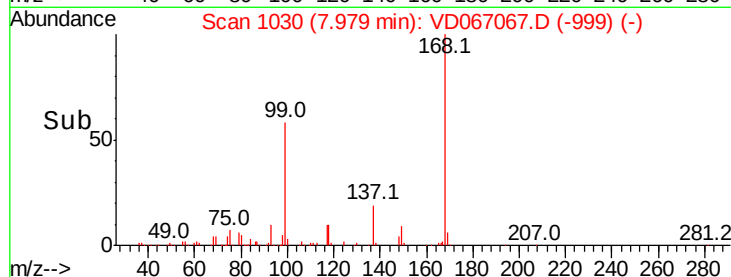
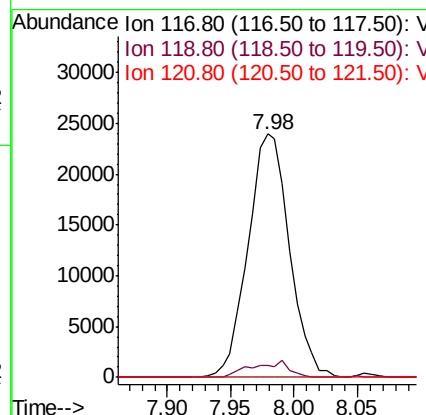
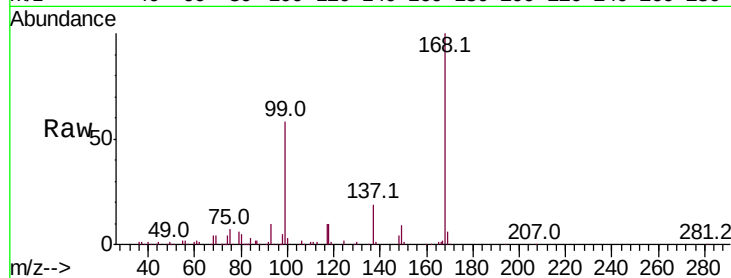




#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

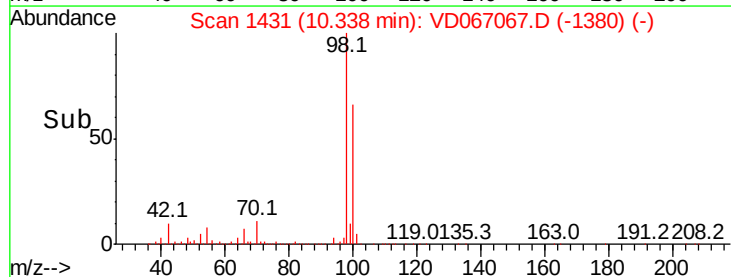
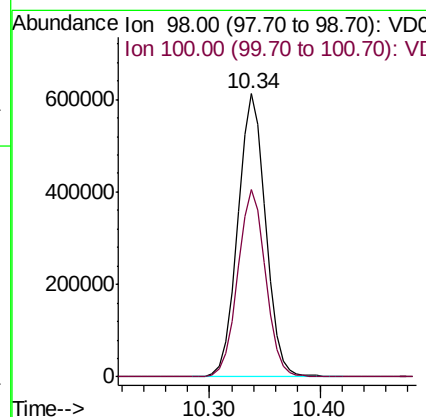
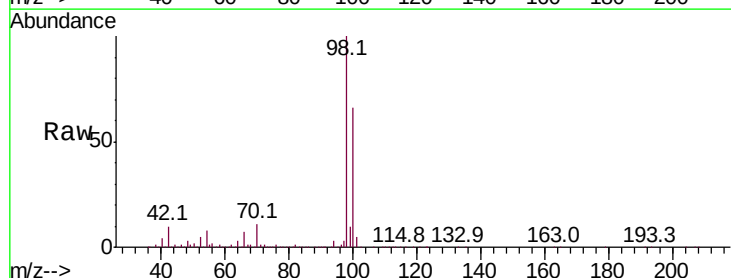
Instrument :
MSVOA_D
ClientSampleId :
337

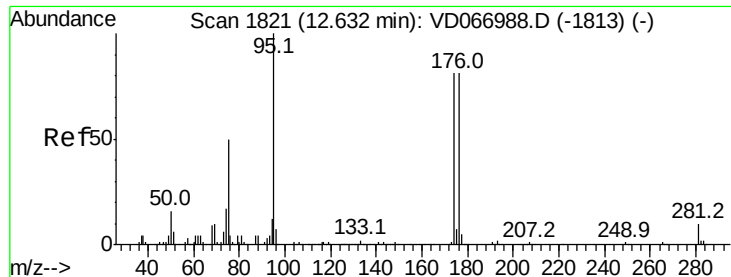
Tot Ion:117 Resp: 54452
Ion Ratio Lower Upper
117 100
119 5.0 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.909 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Tgt Ion: 98 Resp: 1086513
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2

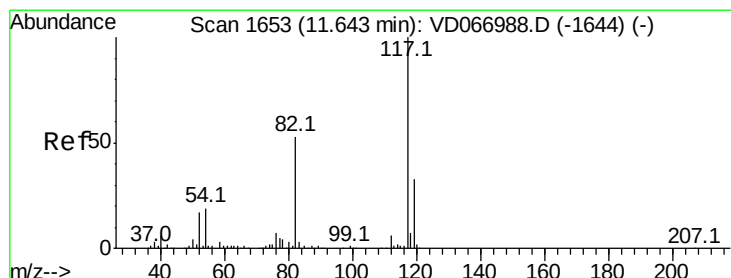
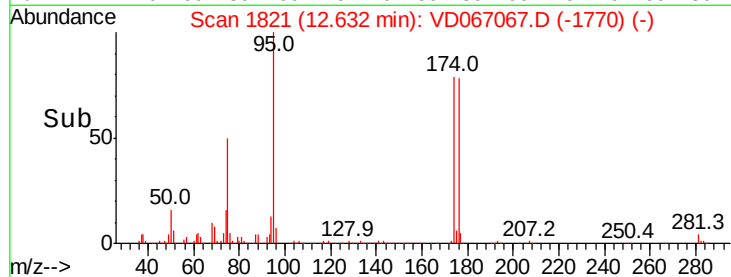
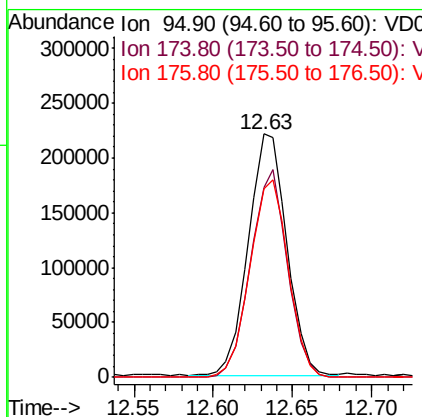
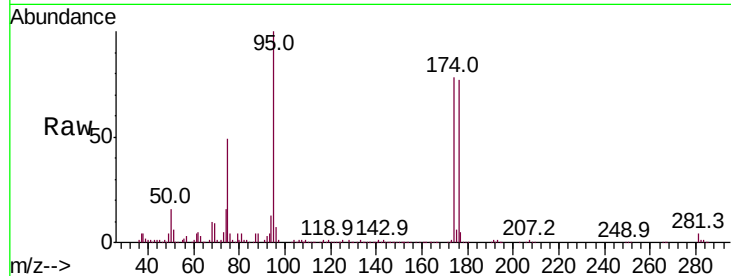




#62
4-Bromofluorobenzene
Concen: 50.353 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

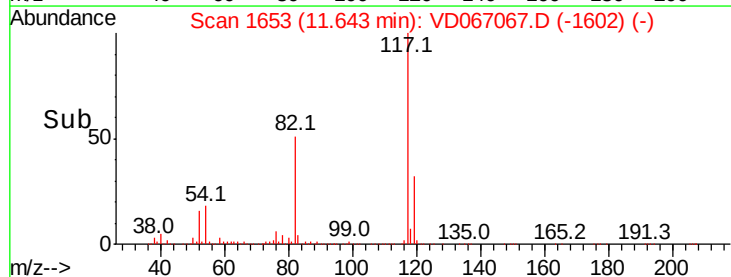
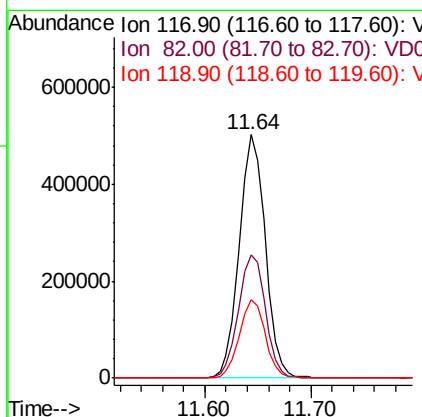
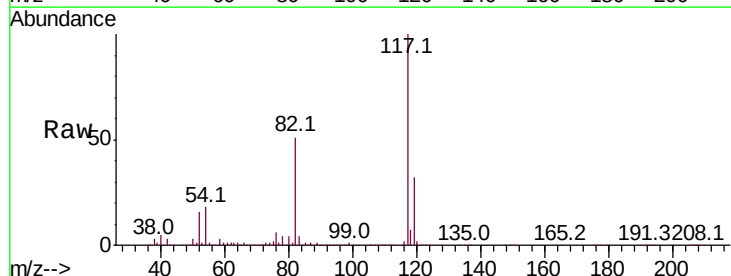
Instrument :
MSVOA_D
ClientSampleId :
337

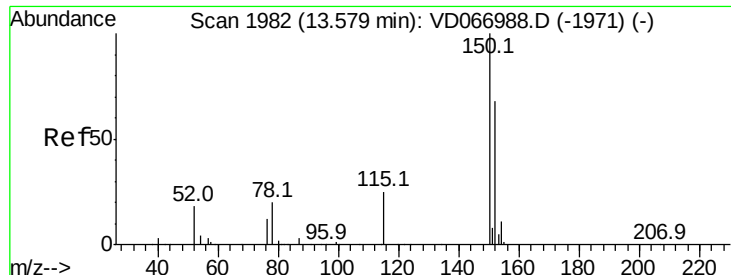
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	167.6
176	81.7	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.6	63.8
119	32.0	26.3	39.5



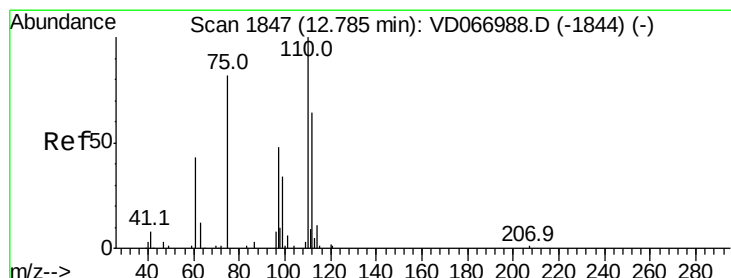
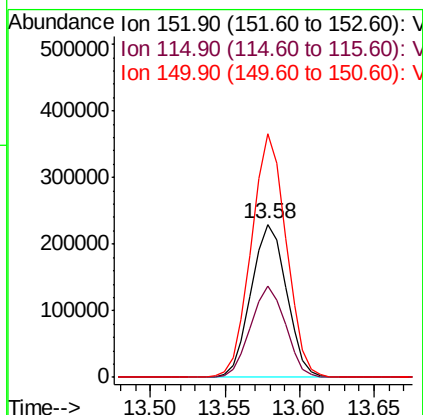
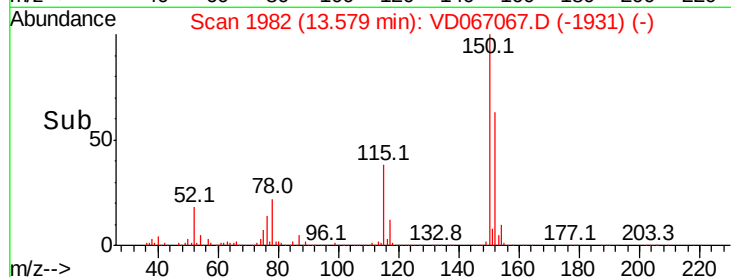
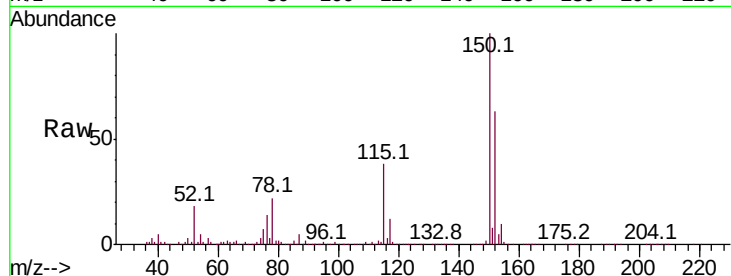


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Instrument :
MSVOA_D
ClientSampleId :
337

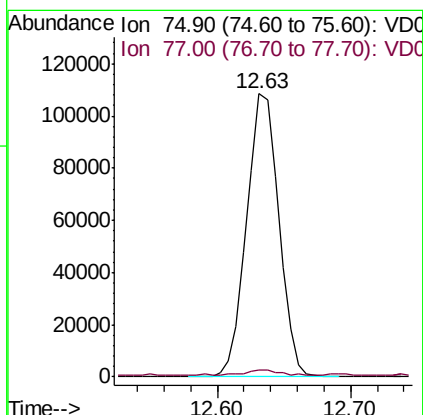
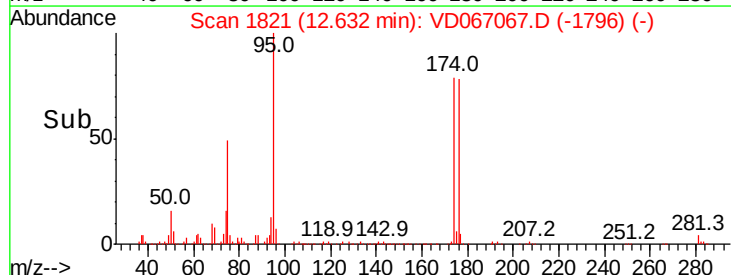
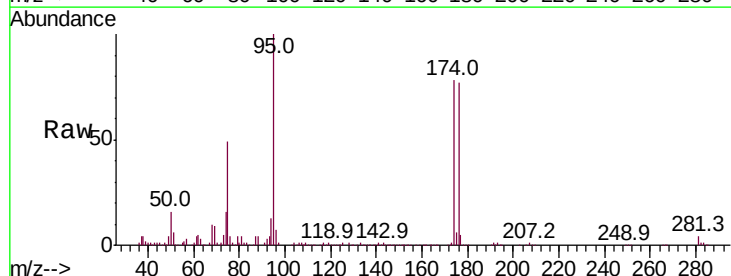
Tot Ion:152 Resp: 377538
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 155.7 0.0 344.8

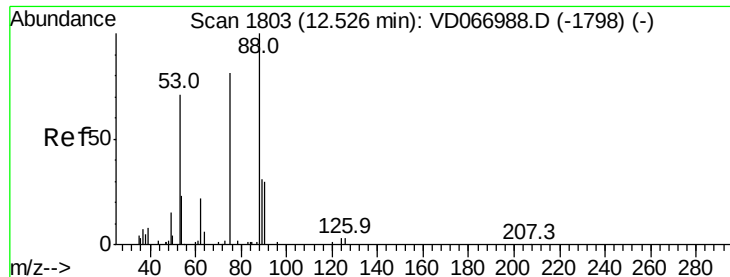


#76

1,2,3-Trichloropropane
Concen: 55.030 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD067067.D
Acq: 03 Oct 2020 07:01

Tgt Ion: 75 Resp: 180966
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.197 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

Instrument :

MSVOA_D

ClientSampleId :

337

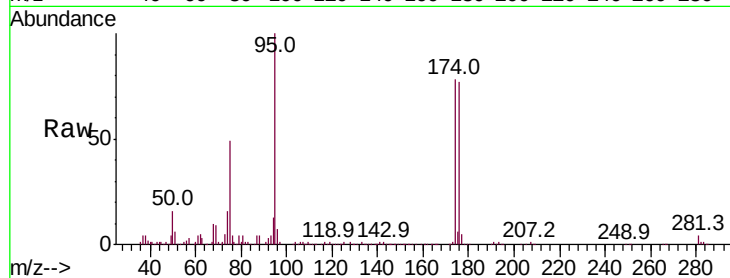
Tot Ion: 75 Resp: 180966

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.6#

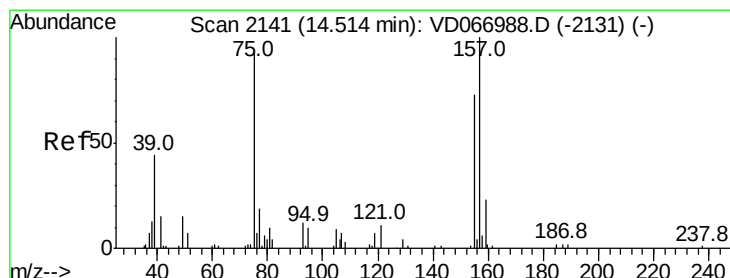
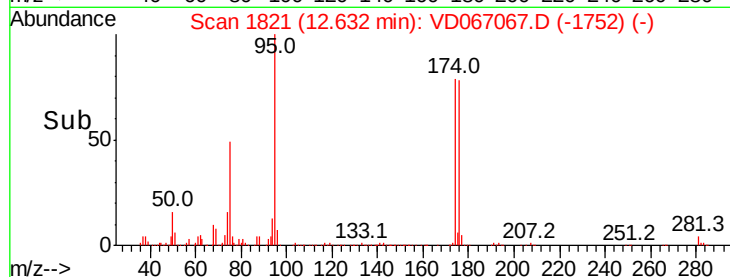
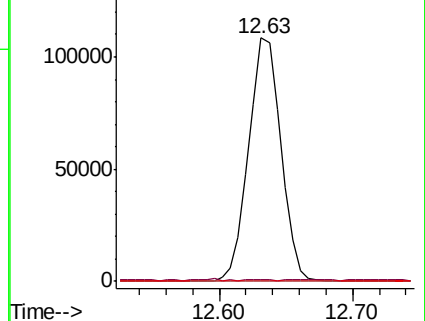
89 0.1 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.135 ug/l

RT: 14.61 min Scan# 2157

Delta R.T. 0.09 min

Lab File: VD067067.D

Acq: 03 Oct 2020 07:01

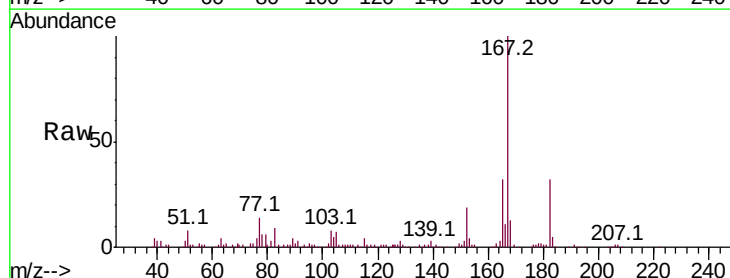
Tgt Ion: 75 Resp: 7753

Ion Ratio Lower Upper

75 100

155 7.9 45.2 135.6#

157 0.7 56.3 168.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

