

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067136.D
 Acq On : 07 Oct 2020 05:31
 Operator : VA/SY
 Sample : L4273-09
 Misc : 4.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

Quant Time: Oct 07 06:19:08 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	427655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	692655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	646585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292714	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	212438	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	7.92	113	226690	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.34	98	813834	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.64	95	267511	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

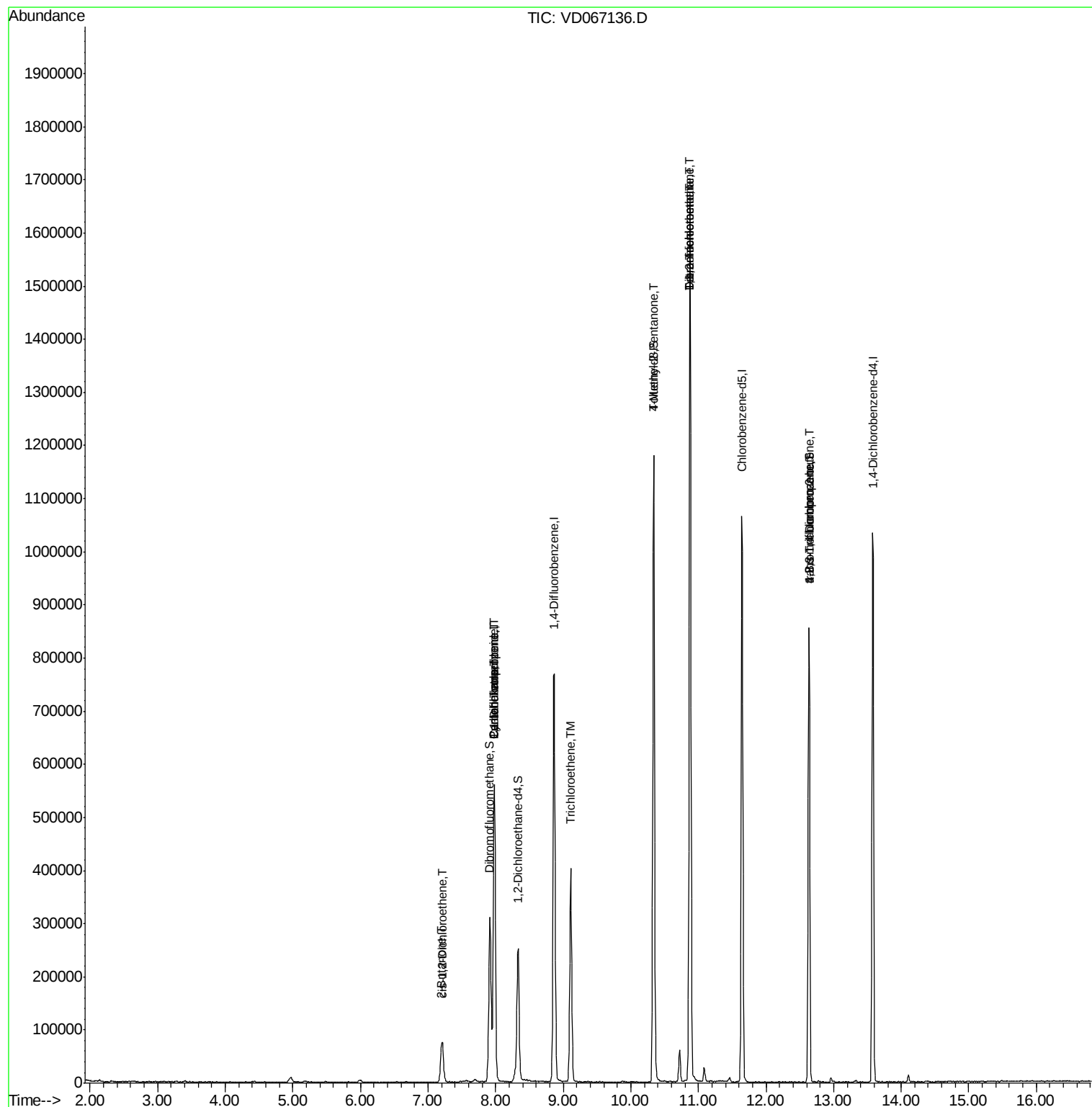
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	479	Below Cal	#	49
5) Bromomethane	3.02	94	55	Below Cal	#	3
11) Tert butyl alcohol	5.23	59	145	Below Cal	#	72
20) Methylene Chloride	4.96	84	7687	Below Cal	#	86
25) 2-Butanone	7.20	43	1259	1.412	ug/l #	84
26) 2,2-Dichloropropane	7.19	77	1217	Below Cal	#	53
27) cis-1,2-Dichloroethene	7.21	96	37592	7.672	ug/l	86
31) Cyclohexane	7.98	56	8101	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	32132	4.977	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42511	6.086	ug/l #	15
44) Trichloroethene	9.11	130	157955	29.497	ug/l	93
51) 4-Methyl-2-Pentanone	10.34	43	3209	1.564	ug/l #	1
55) 1,1,2-Trichloroethane	10.87	97	4791	1.423	ug/l #	33
60) Dibromochloromethane	10.87	129	370388	82.537	ug/l #	12
64) Tetrachloroethene	10.88	164	405577	86.281	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	134569	52.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134569	131.586	ug/l #	12

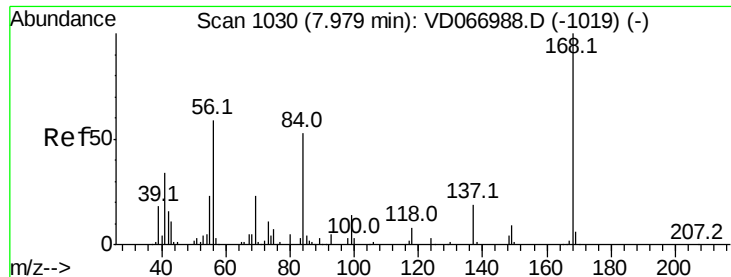
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
Data File : VD067136.D
Acq On : 07 Oct 2020 05:31
Operator : VA/SY
Sample : L4273-09
Misc : 4.76G/5.00ml/MSVOA D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-5

Quant Time: Oct 07 06:19:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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# 1030

Delta R.T. 0.00 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

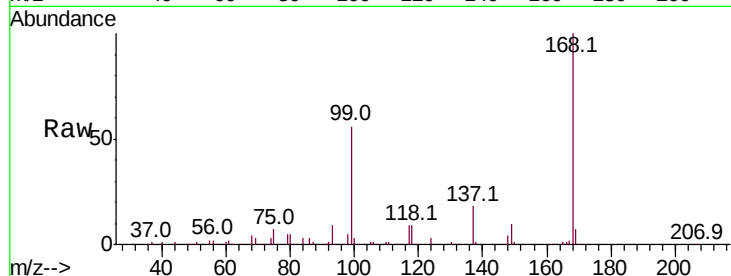
SB-5

Tot Ion:168 Resp: 427655

Ion Ratio Lower Upper

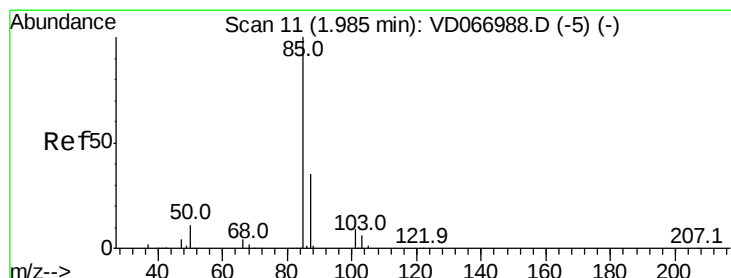
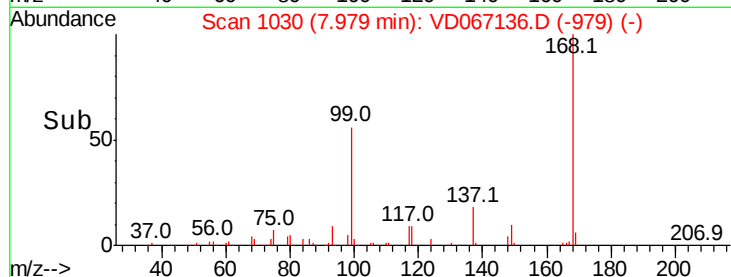
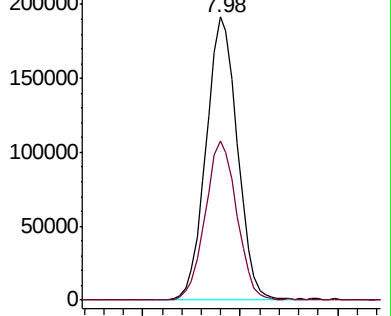
168 100

99 56.0 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: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067136.D

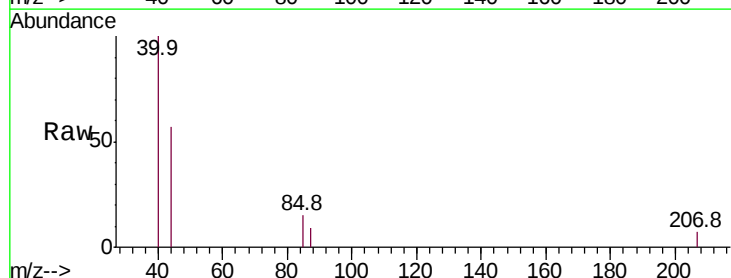
Acq: 07 Oct 2020 05:31

Tgt Ion: 85 Resp: 479

Ion Ratio Lower Upper

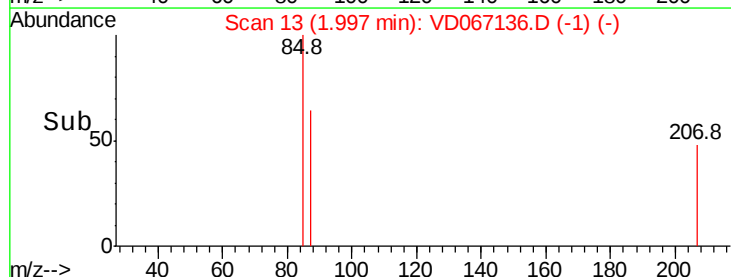
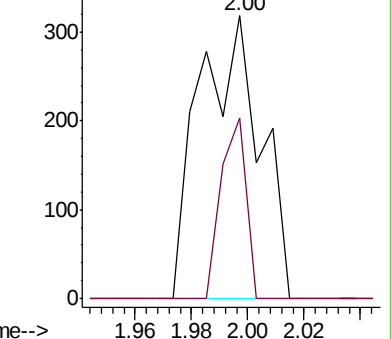
85 100

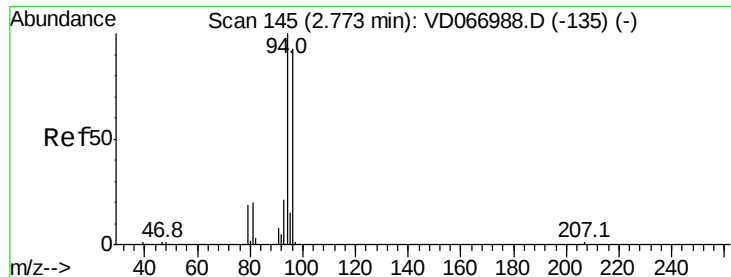
87 64.2 17.3 52.0#



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: 3.02 min Scan# 187

Delta R.T. 0.25 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

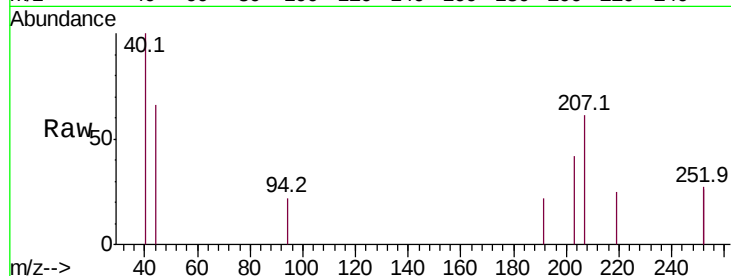
SB-5

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

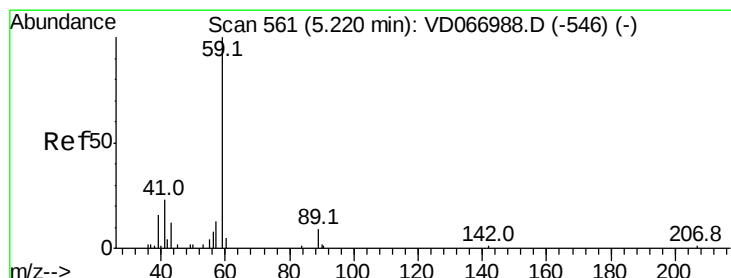
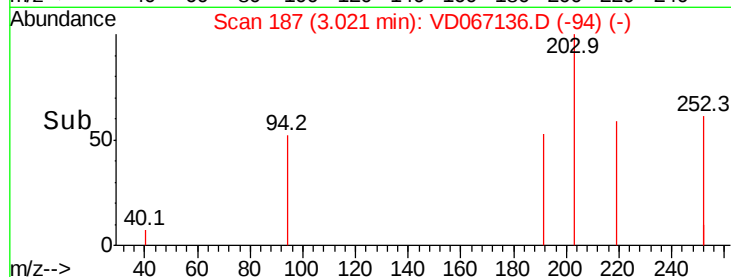
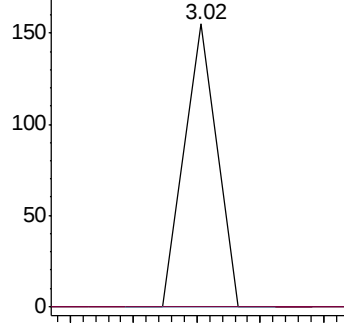
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067136.D

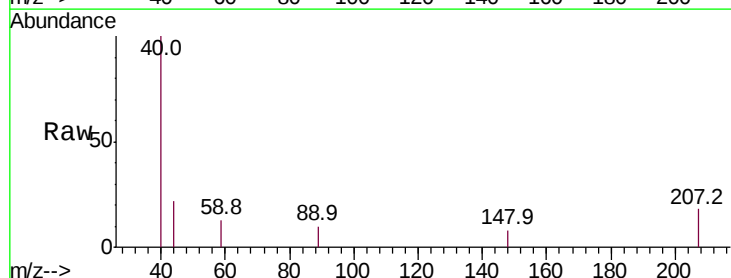
Acq: 07 Oct 2020 05:31

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

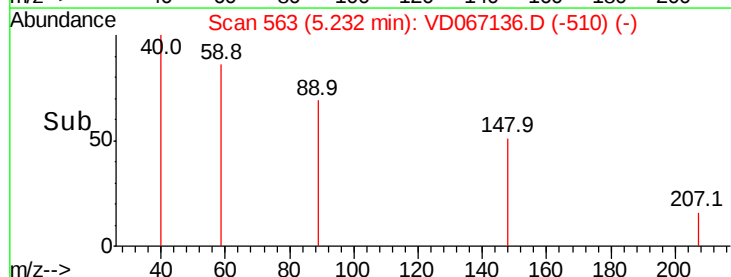
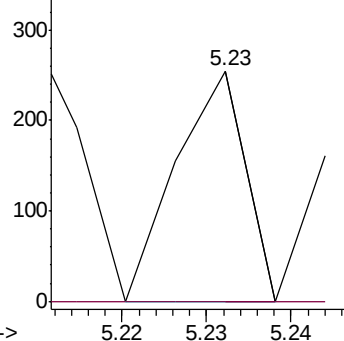
59 100

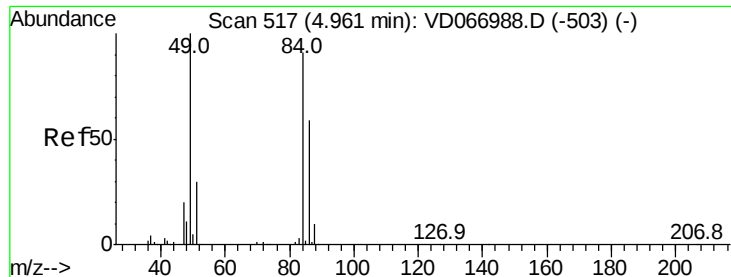
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

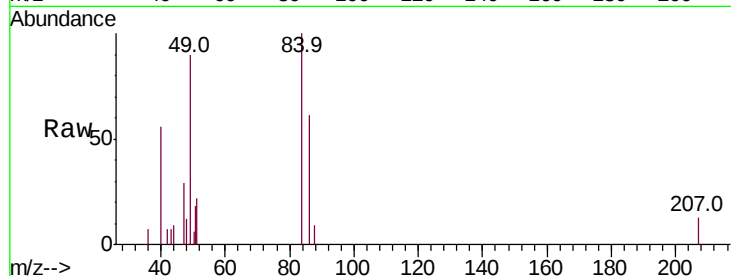




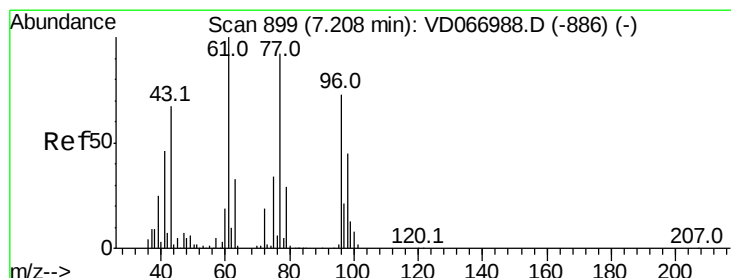
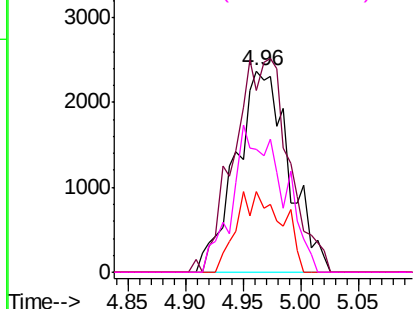
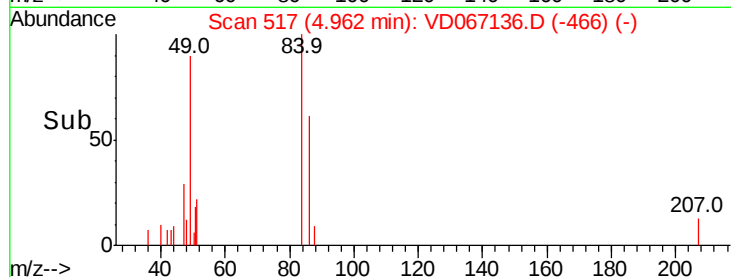
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

Instrument :
MSVOA_D
ClientSampleId :
SB-5

Tot Ion: 84 Resp: 7687
Ion Ratio Lower Upper
84 100
49 90.4 88.2 132.2
51 40.2 26.6 39.8#
86 60.9 52.1 78.1

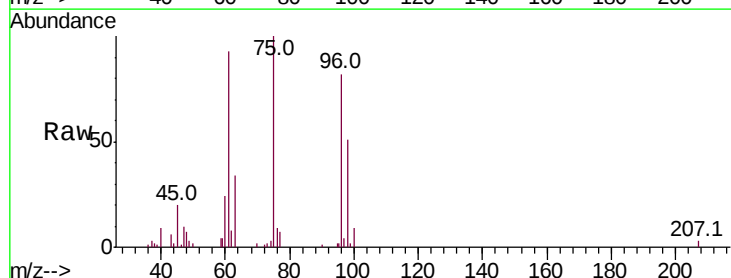


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

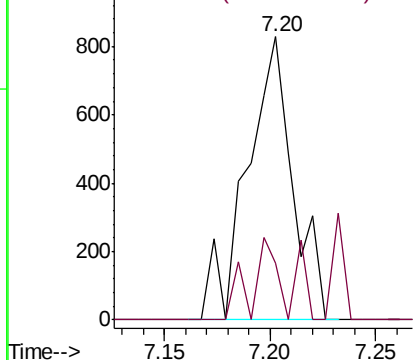
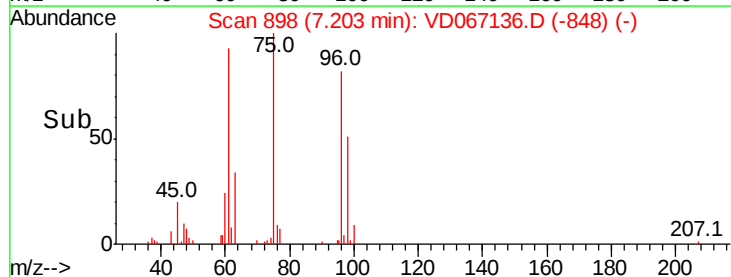


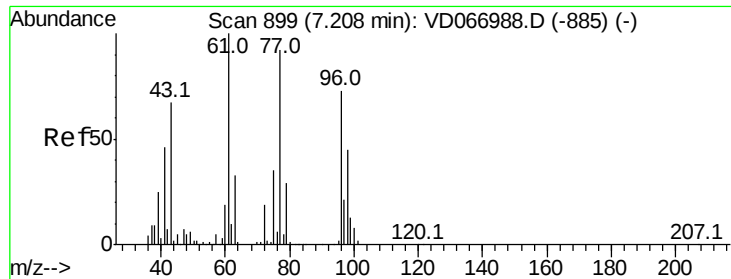
#25
2-Butanone
Concen: 1.412 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
72 20.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

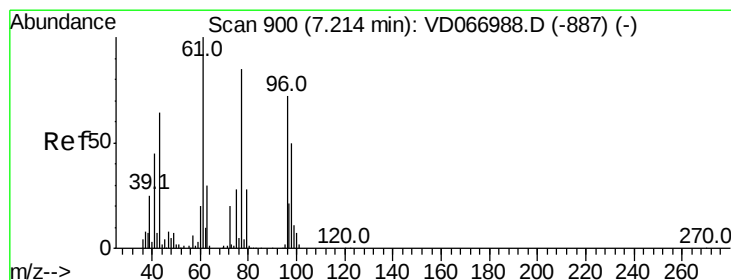
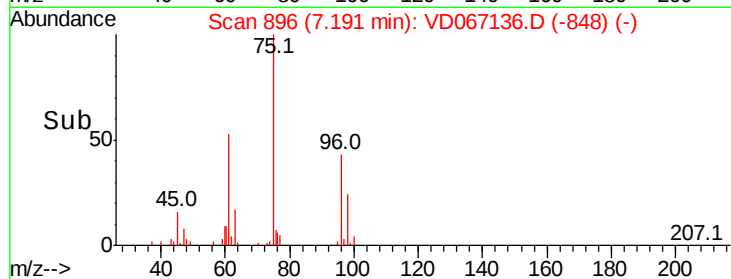
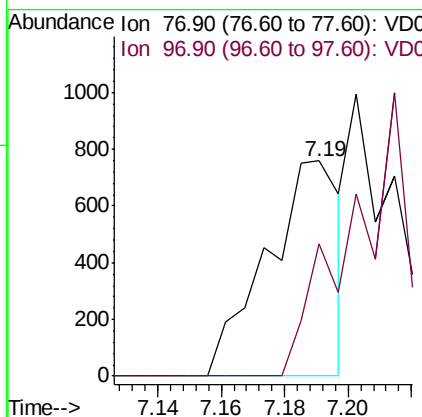
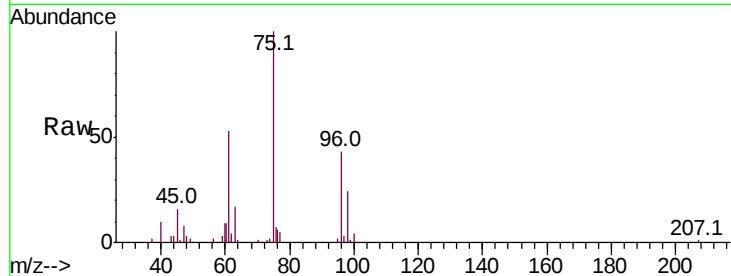




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

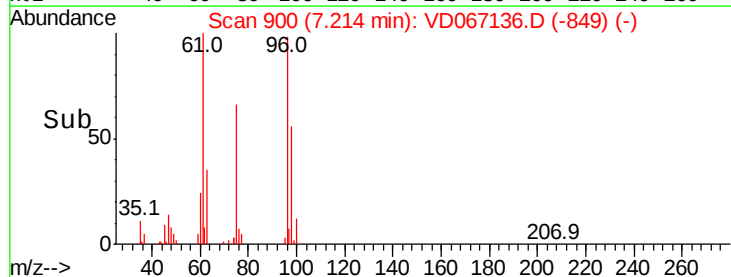
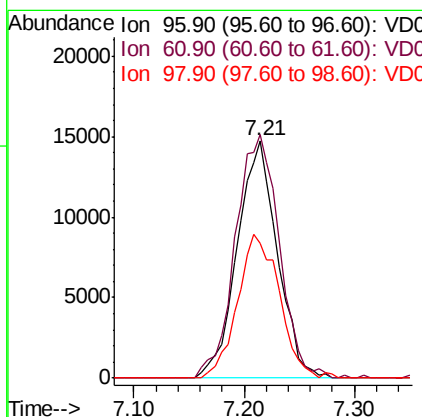
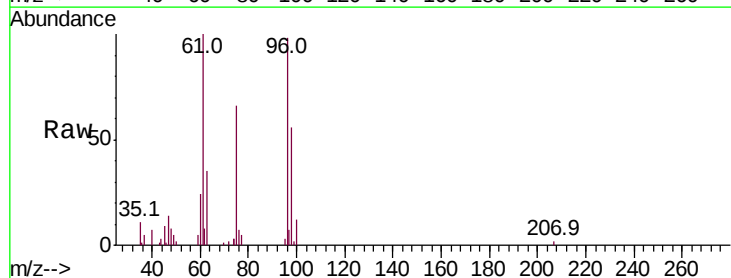
Instrument :
MSVOA_D
ClientSampled :
SB-5

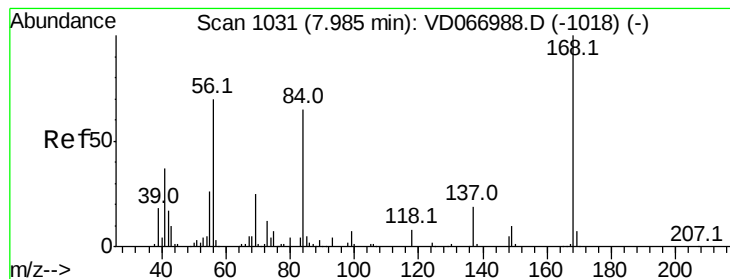
Tot Ion: 77 Resp: 1217
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#27
cis-1,2-Dichloroethene
Concen: 7.672 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

Tgt Ion: 96 Resp: 37592
Ion Ratio Lower Upper
96 100
61 111.8 0.0 269.2
98 62.6 0.0 129.4





#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

SB-5

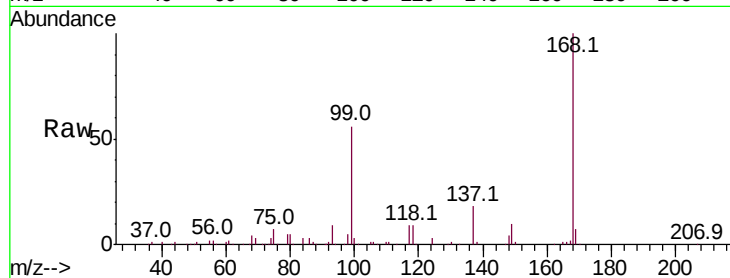
Tot Ion: 56 Resp: 8101

Ion Ratio Lower Upper

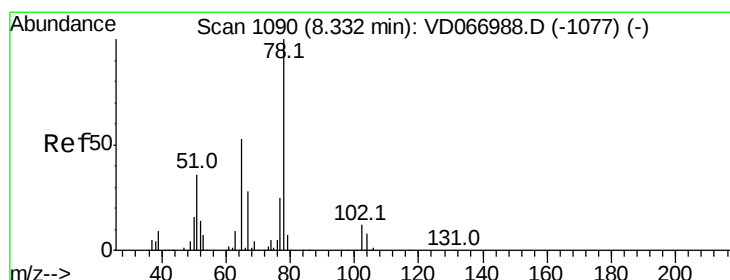
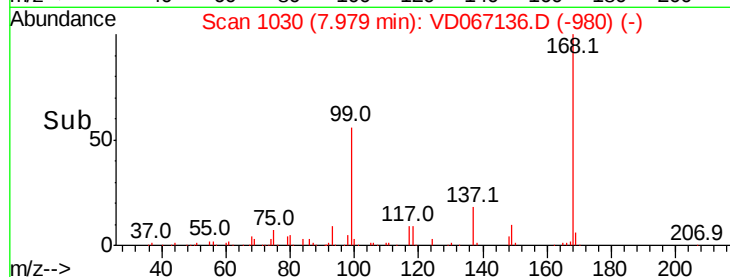
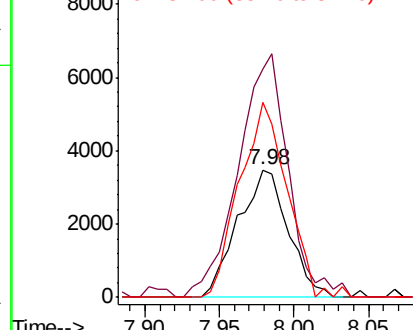
56 100

69 170.8 29.0 43.6#

84 153.2 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: 51.573 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067136.D

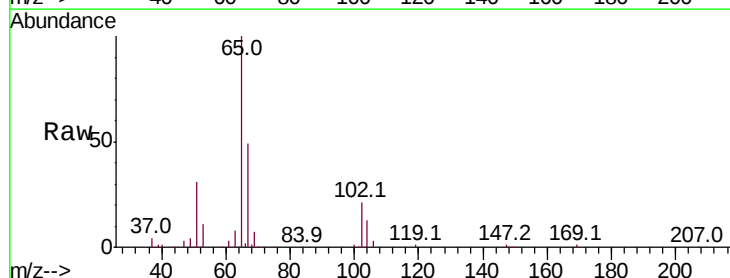
Acq: 07 Oct 2020 05:31

Tgt Ion: 65 Resp: 212438

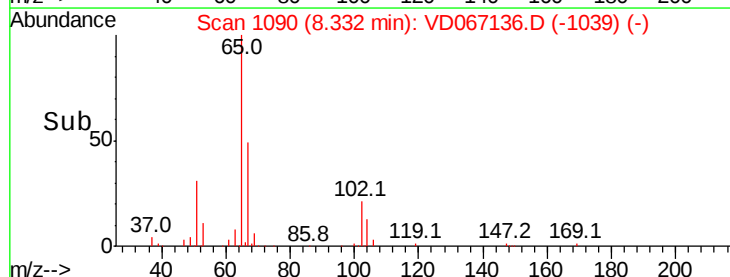
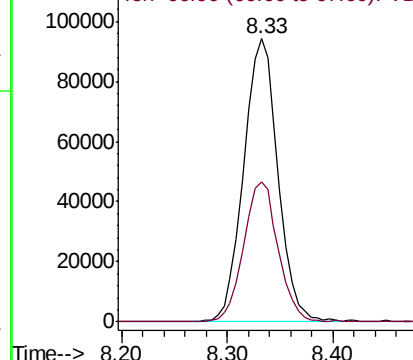
Ion Ratio Lower Upper

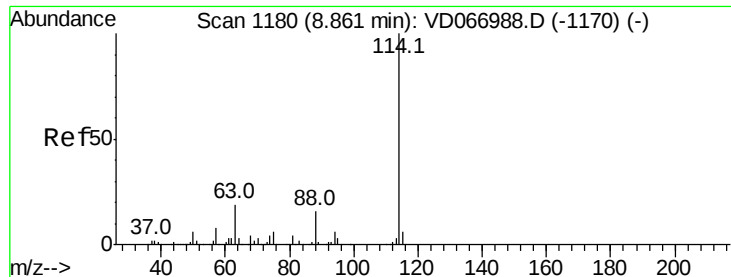
65 100

67 49.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

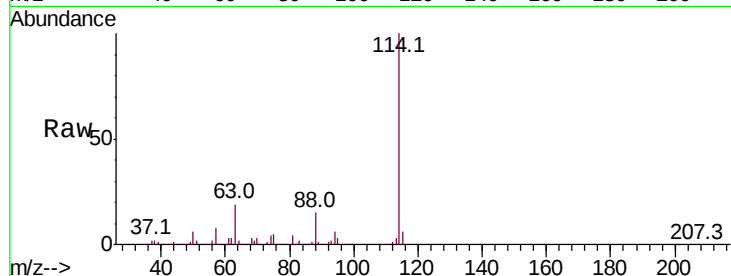




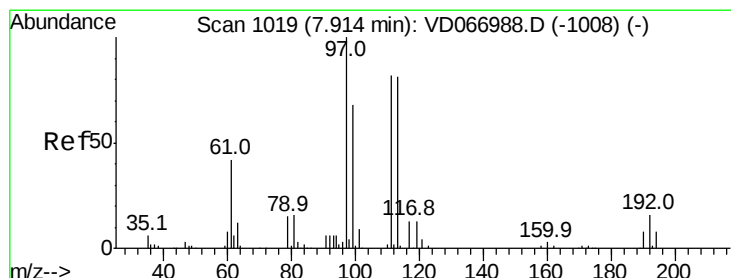
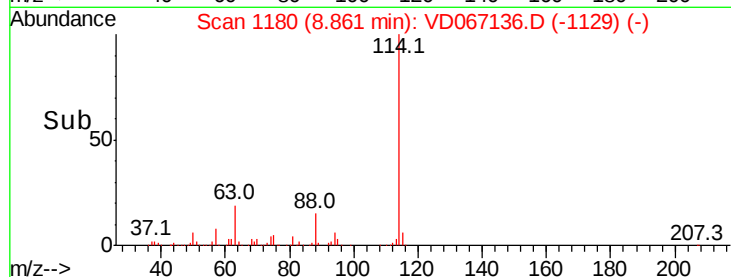
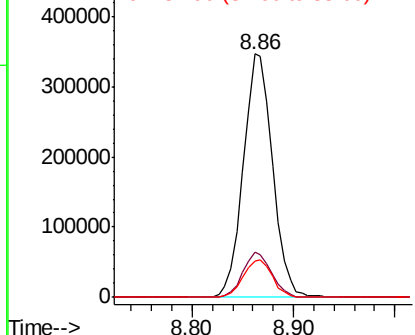
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067136.D
 Acq: 07 Oct 2020 05:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	14.9	0.0	31.2

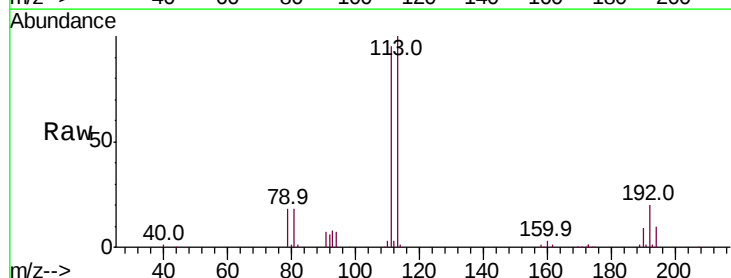


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

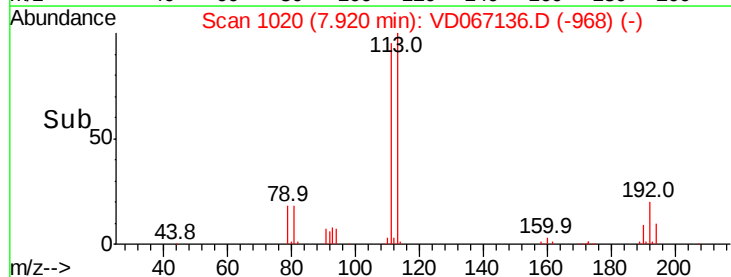
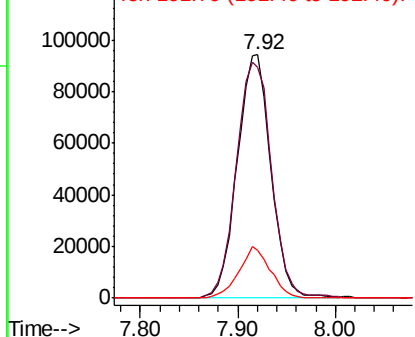


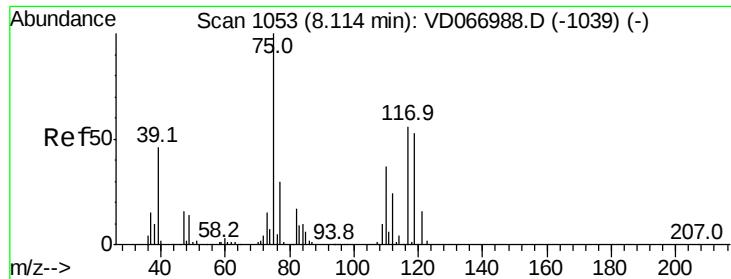
#35
 Dibromofluoromethane
 Concen: 49.990 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067136.D
 Acq: 07 Oct 2020 05:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	19.8	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

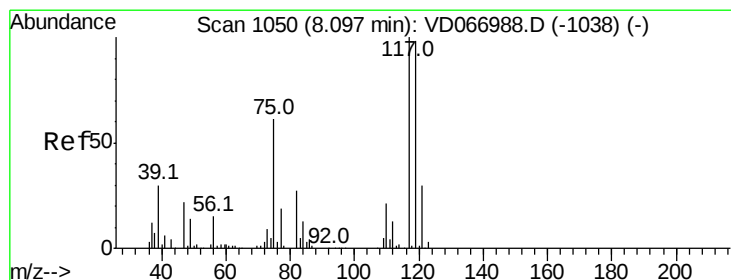
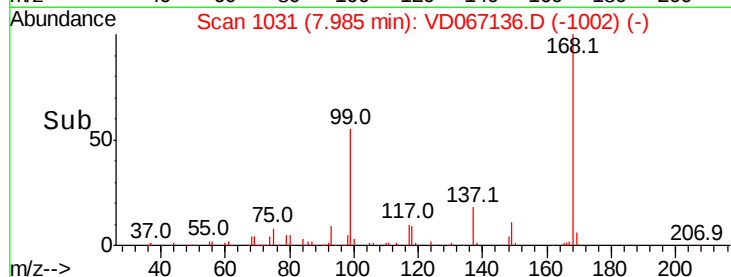
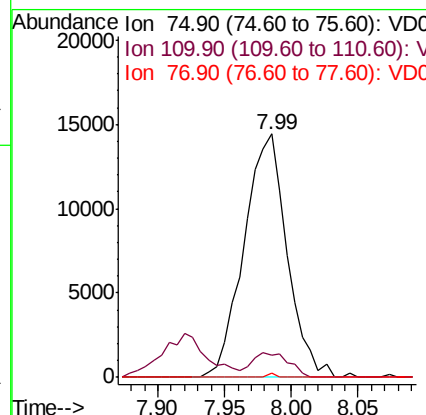
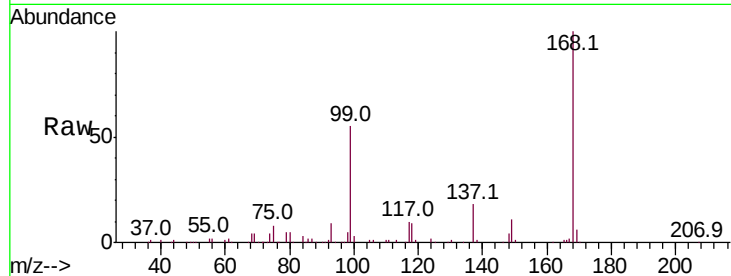




#36
 1,1-Dichloropropene
 Concen: 4.977 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067136.D
 Acq: 07 Oct 2020 05:31

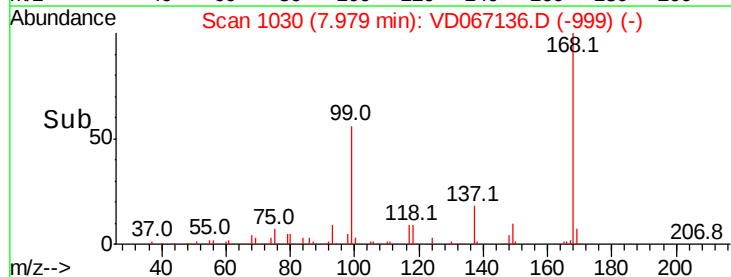
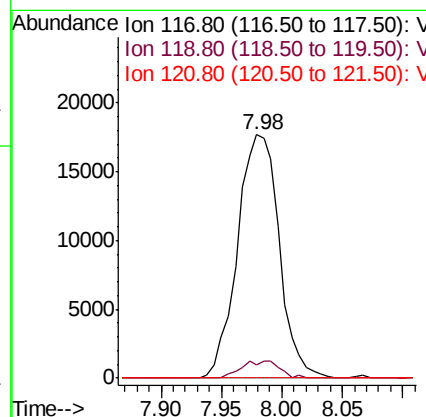
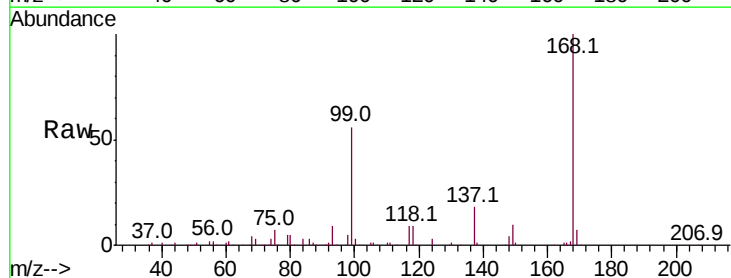
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

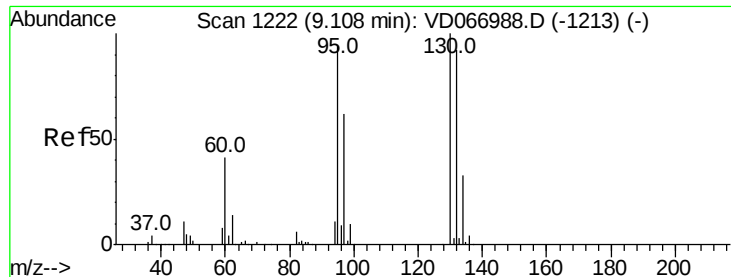
Tot Ion	75	Resp	32132
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.4	55.0#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.086 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067136.D
 Acq: 07 Oct 2020 05:31

Tgt Ion	117	Resp	42511
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.3	78.7	118.1#
121	0.0	24.2	36.2#





#44

Trichloroethene

Concen: 29.497 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

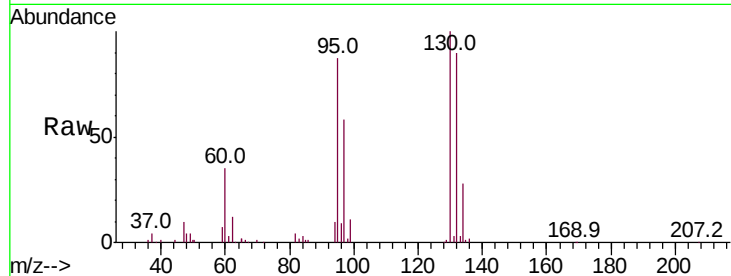
SB-5

Tot Ion:130 Resp: 157955

Ion Ratio Lower Upper

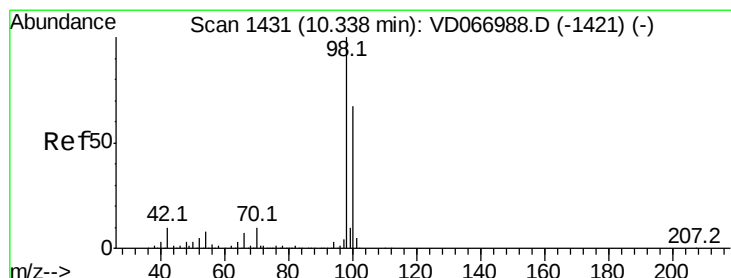
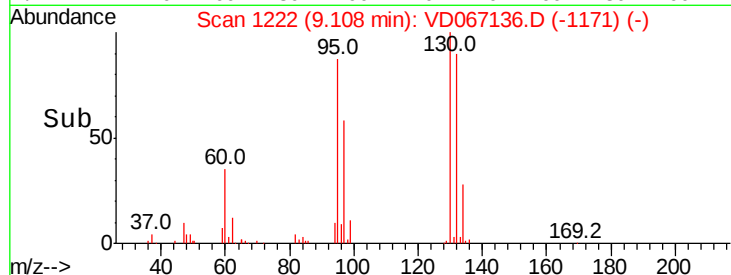
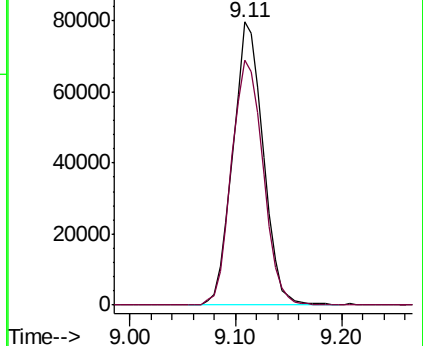
130 100

95 86.7 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 49.252 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067136.D

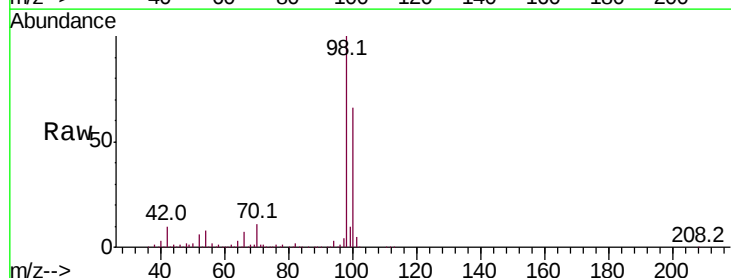
Acq: 07 Oct 2020 05:31

Tgt Ion: 98 Resp: 813834

Ion Ratio Lower Upper

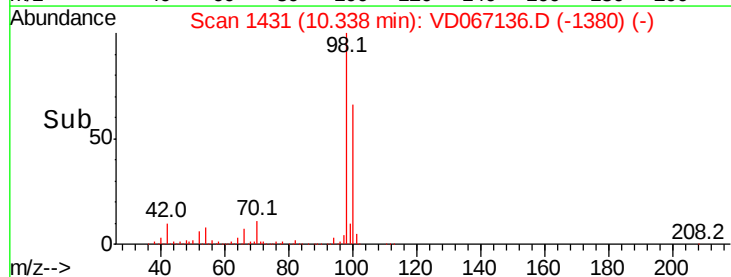
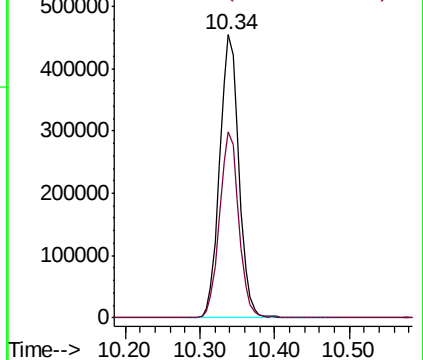
98 100

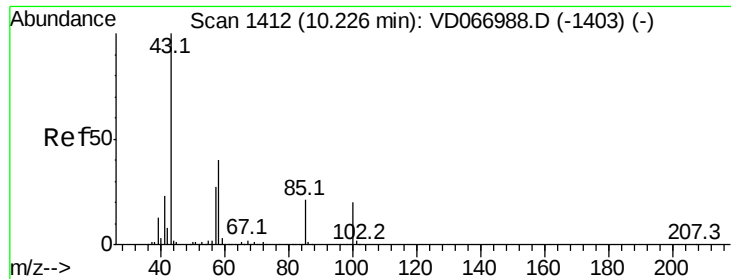
100 65.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.564 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

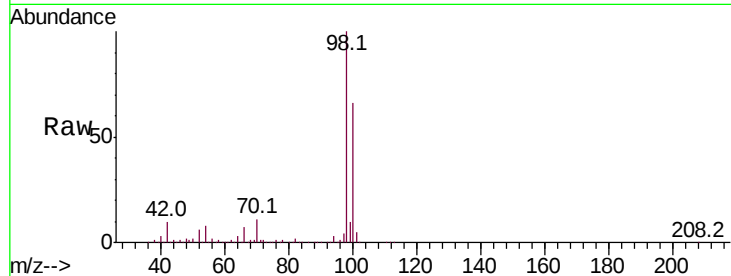
SB-5

Tot Ion: 43 Resp: 3209

Ion Ratio Lower Upper

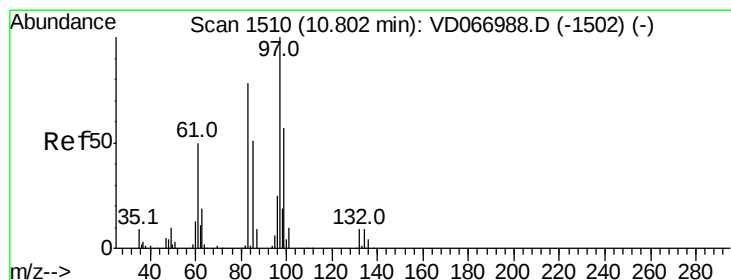
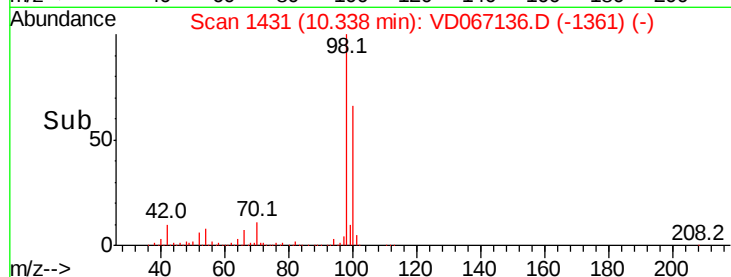
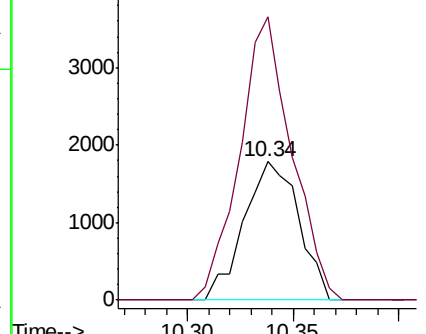
43 100

58 195.0 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#55

1,1,2-Trichloroethane

Concen: 1.423 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.07 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Tgt Ion: 97 Resp: 4791

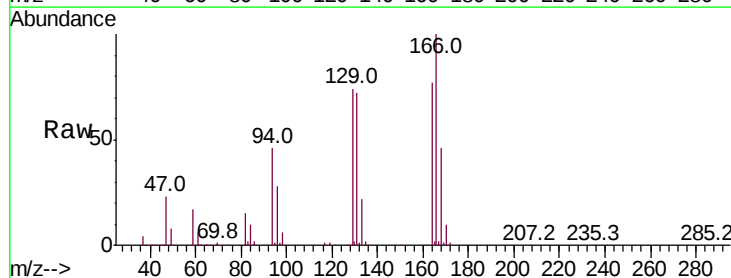
Ion Ratio Lower Upper

97 100

83 172.9 62.4 93.6#

85 45.6 41.0 61.4

99 12.4 45.9 68.9#

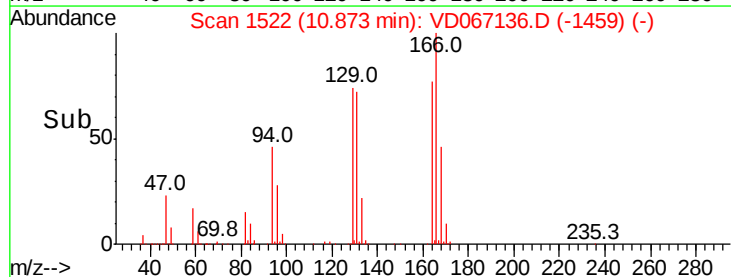
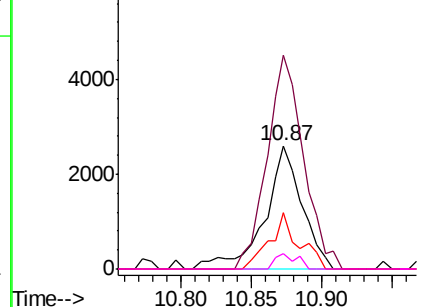


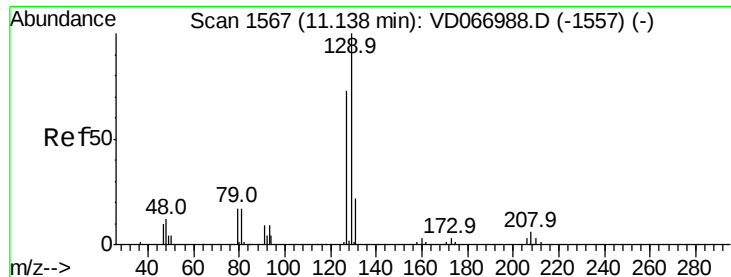
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC





#60

Dibromochloromethane

Concen: 82.537 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.26 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

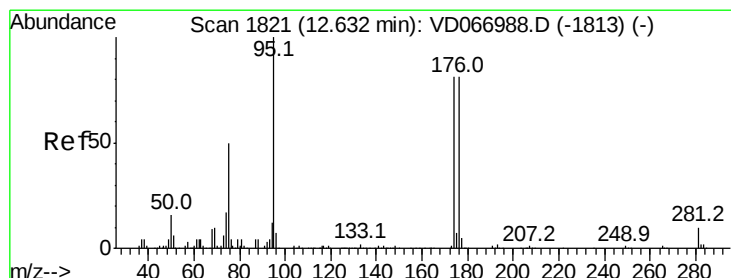
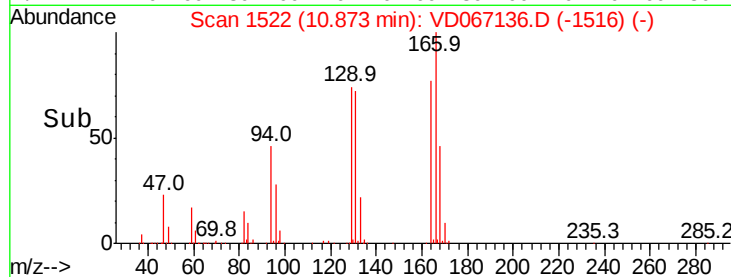
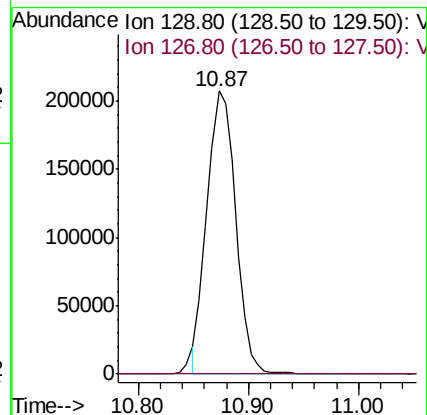
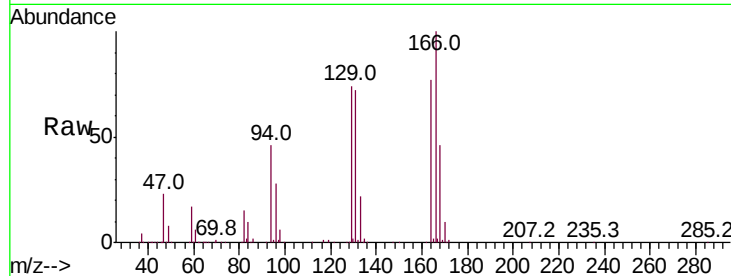
SB-5

Tot Ion:129 Resp: 370388

Ion Ratio Lower Upper

129 100

127 0.1 37.4 112.1#



#62

4-Bromofluorobenzene

Concen: 47.689 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

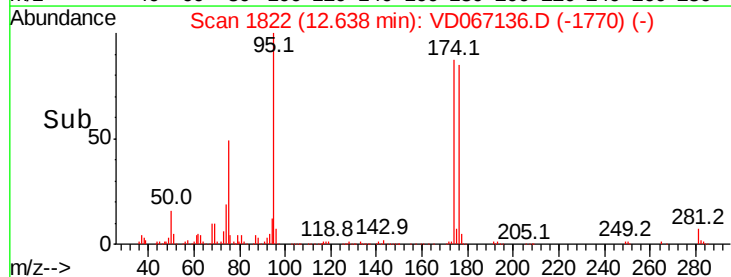
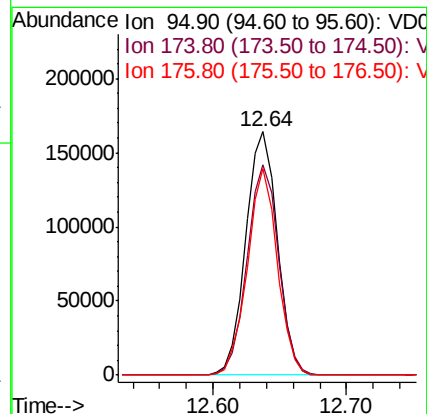
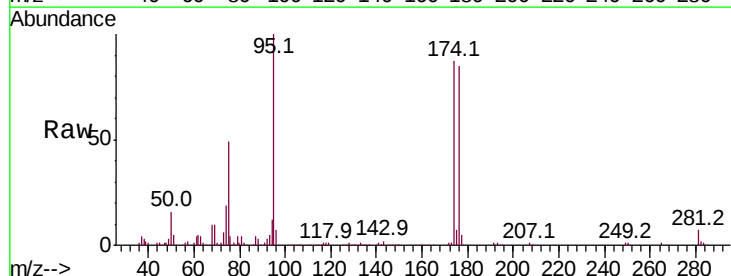
Tgt Ion: 95 Resp: 267511

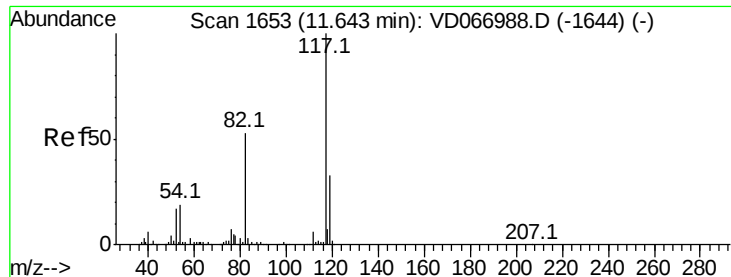
Ion Ratio Lower Upper

95 100

174 86.3 0.0 167.6

176 80.3 0.0 162.4

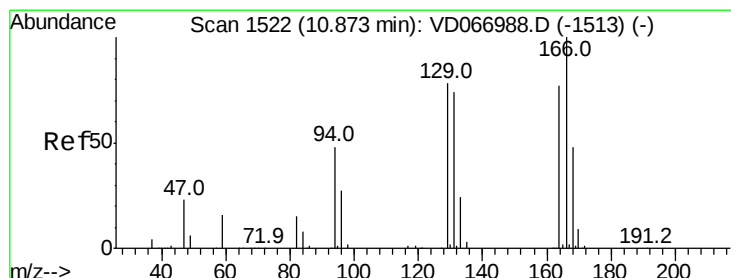
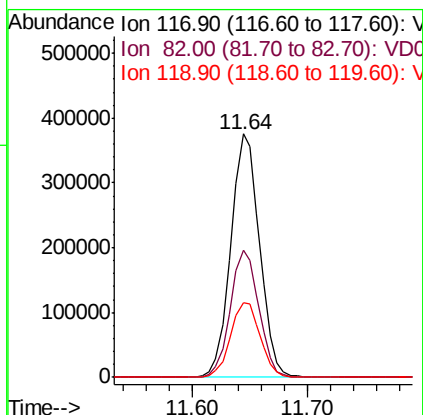
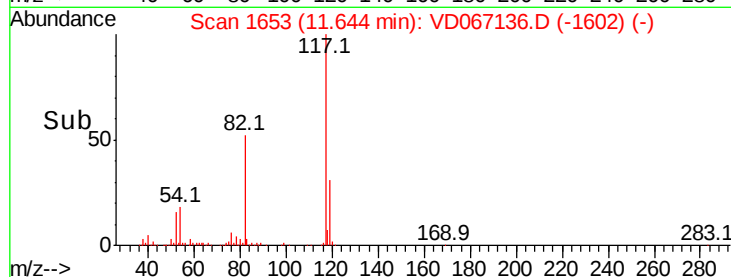
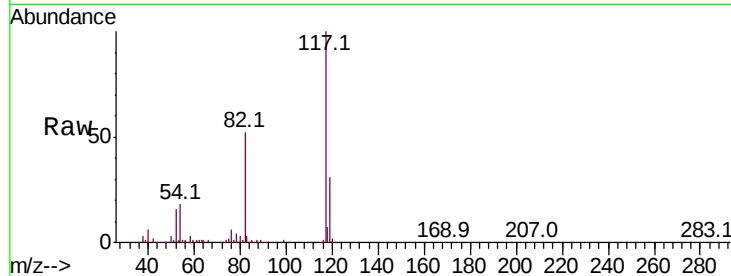




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

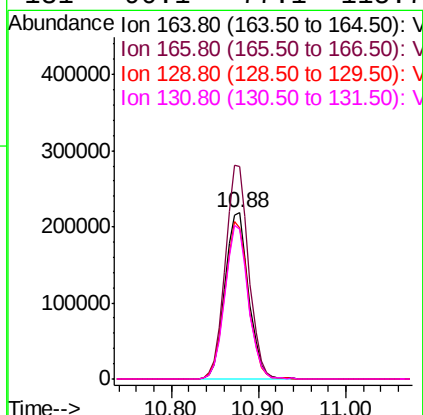
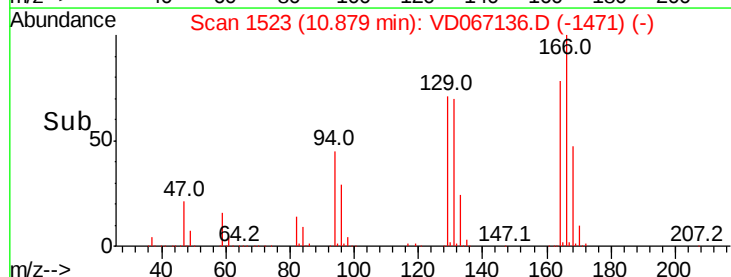
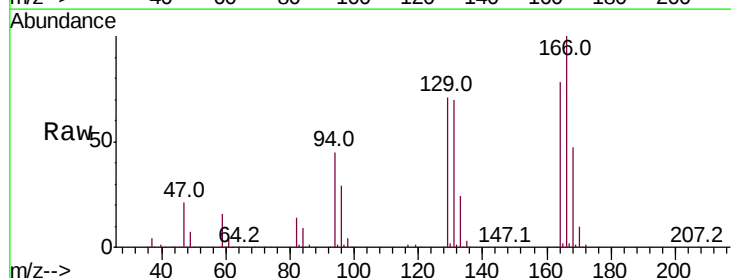
Instrument :
MSVOA_D
ClientSampled :
SB-5

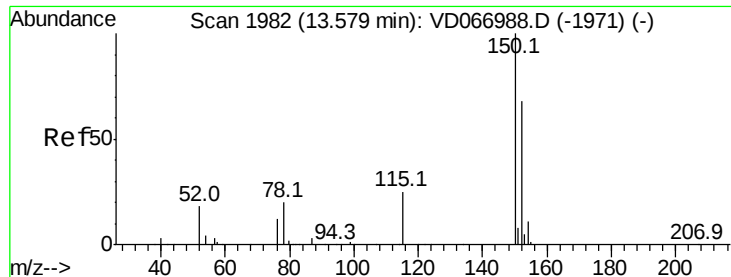
Tot Ion:117 Resp: 646585
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 30.7 26.3 39.5



#64
Tetrachloroethene
Concen: 86.281 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067136.D
Acq: 07 Oct 2020 05:31

Tgt Ion:164 Resp: 405577
Ion Ratio Lower Upper
164 100
166 128.3 104.4 156.6
129 90.8 81.3 121.9
131 90.1 77.1 115.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

SB-5

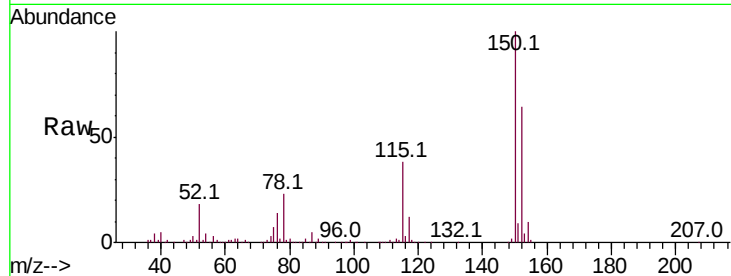
Tot Ion:152 Resp: 292714

Ion Ratio Lower Upper

152 100

115 59.2 29.6 88.8

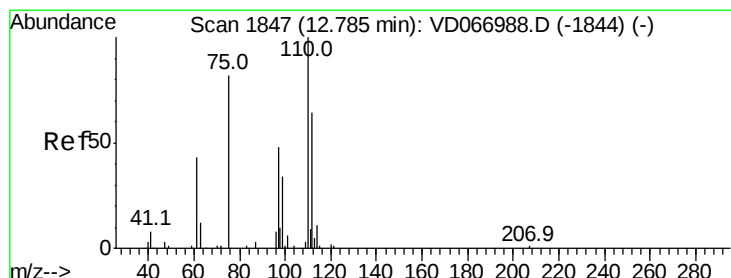
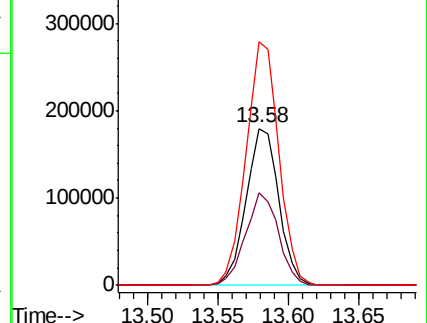
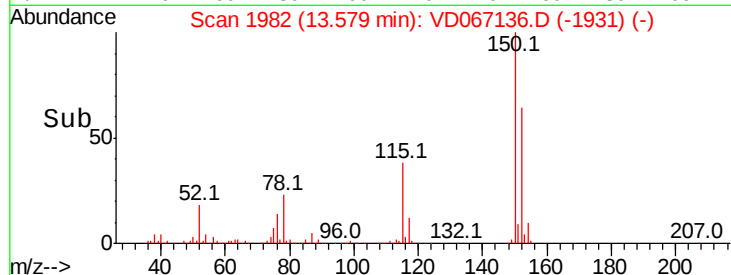
150 155.6 0.0 344.8



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: 52.780 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067136.D

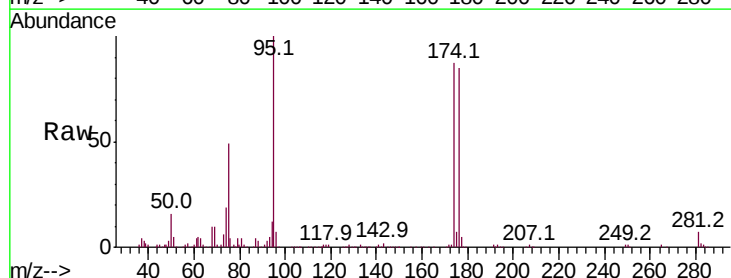
Acq: 07 Oct 2020 05:31

Tgt Ion: 75 Resp: 134569

Ion Ratio Lower Upper

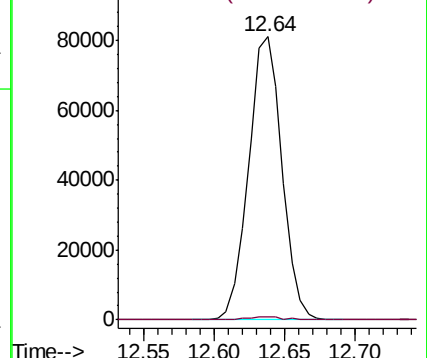
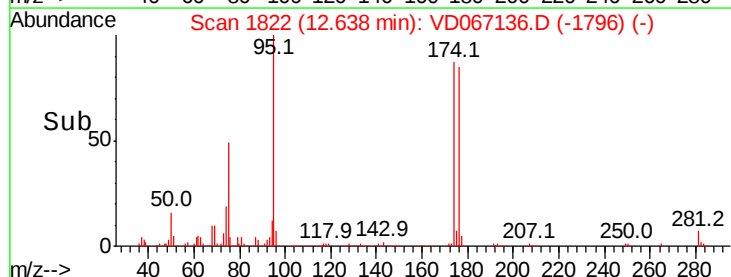
75 100

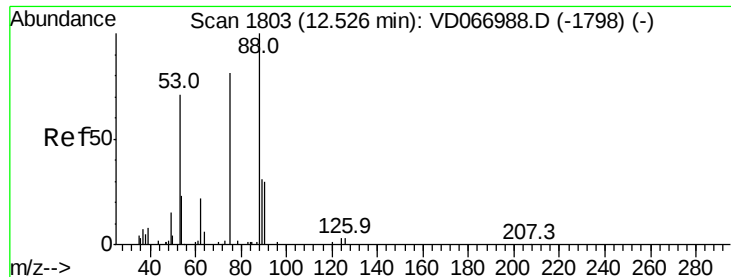
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.586 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067136.D

Acq: 07 Oct 2020 05:31

Instrument :

MSVOA_D

ClientSampleId :

SB-5

Tot Ion: 75 Resp: 134569

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

