

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067240.D
 Acq On : 12 Oct 2020 18:38
 Operator : VA/SY
 Sample : L4369-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-1

Quant Time: Oct 13 00:18:02 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	7.99	168	321047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	520817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234061	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	165853	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.92	113	172077	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.34	98	628320	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.64	95	211784	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	

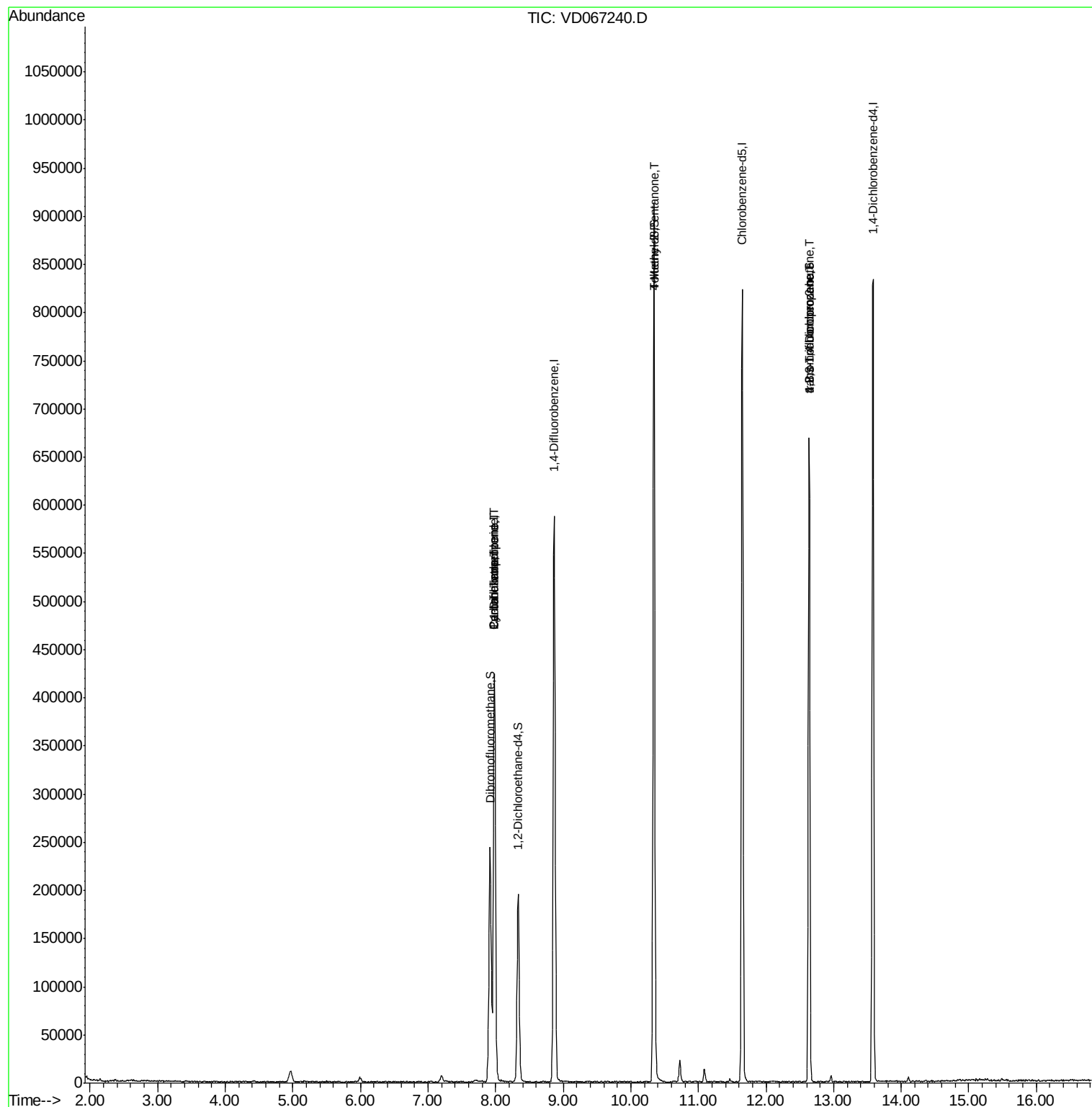
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	373	Below Cal	#	40
5) Bromomethane	2.78	94	137	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	116	Below Cal	#	72
20) Methylene Chloride	4.97	84	9921	Below Cal		87
26) 2,2-Dichloropropane	7.19	77	544	Below Cal	#	53
31) Cyclohexane	7.97	56	6152	1.325	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	22794	4.695	ug/l #	51
38) Carbon Tetrachloride	7.98	117	33612	6.399	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2699	1.749	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110682	54.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110682	135.350	ug/l #	12

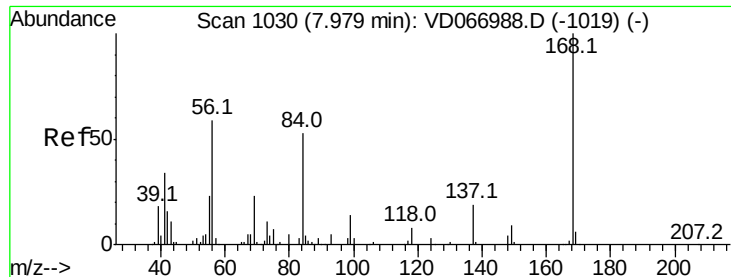
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101220\
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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: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

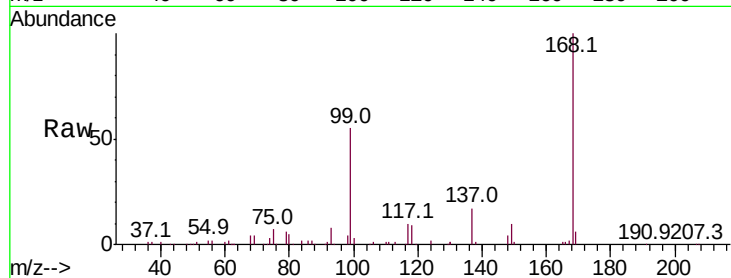
HD-1

Tot Ion:168 Resp: 321047

Ion Ratio Lower Upper

168 100

99 55.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

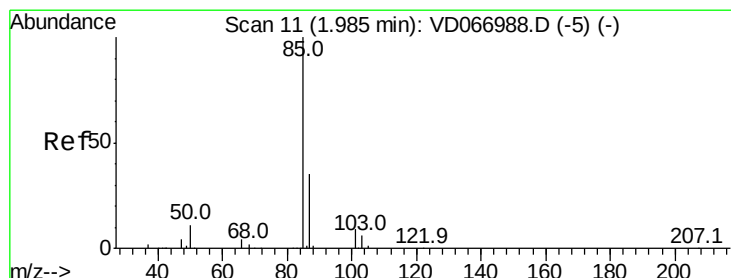
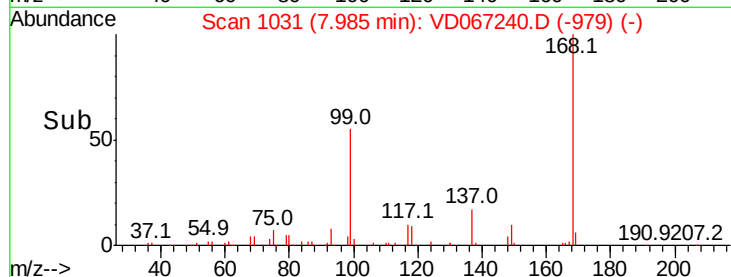
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067240.D

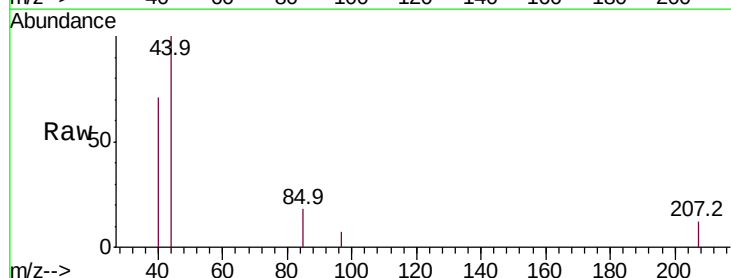
Acq: 12 Oct 2020 18:38

Tgt Ion: 85 Resp: 373

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

500

400

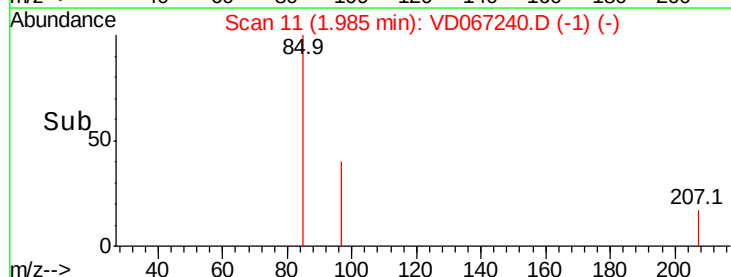
300

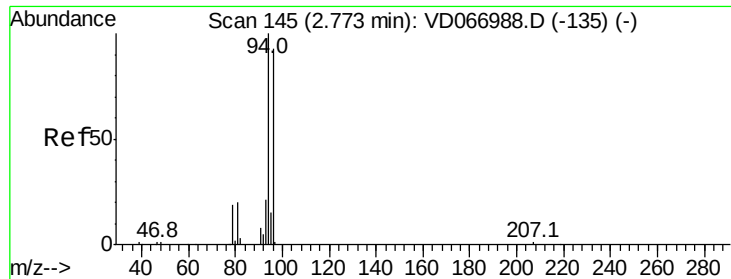
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

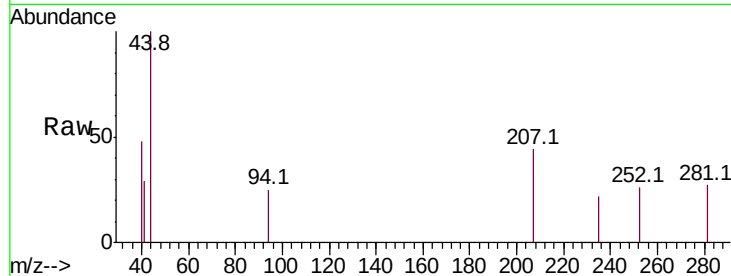
HD-1

Tot Ion: 94 Resp: 137

Ion Ratio Lower Upper

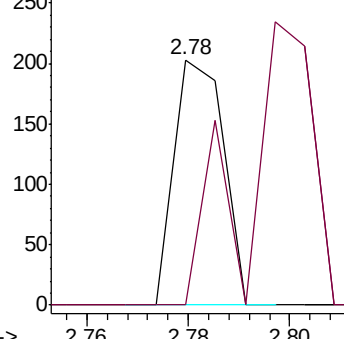
94 100

96 0.0 74.6 112.0#

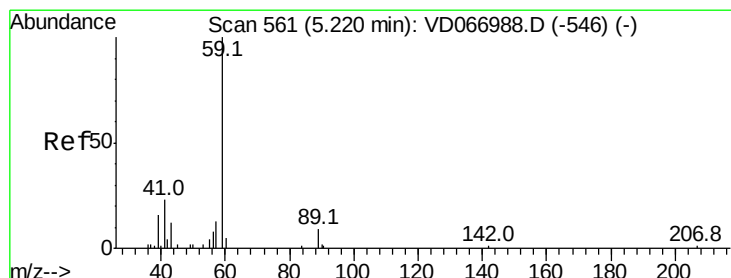
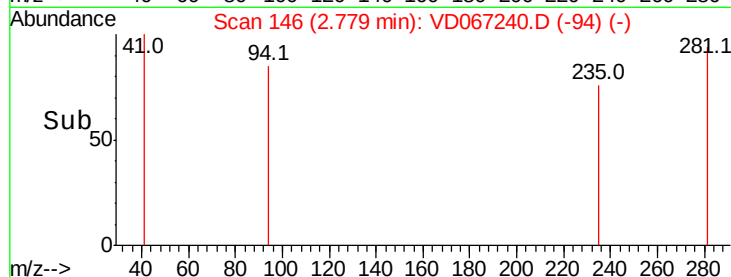


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067240.D

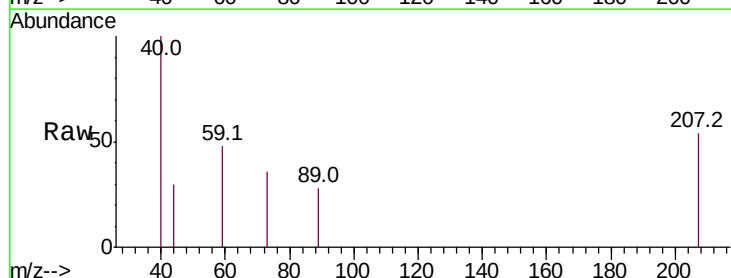
Acq: 12 Oct 2020 18:38

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

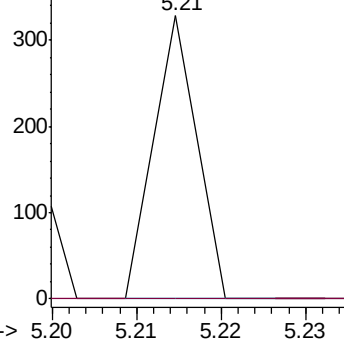
59 100

57 0.0 8.2 12.4#

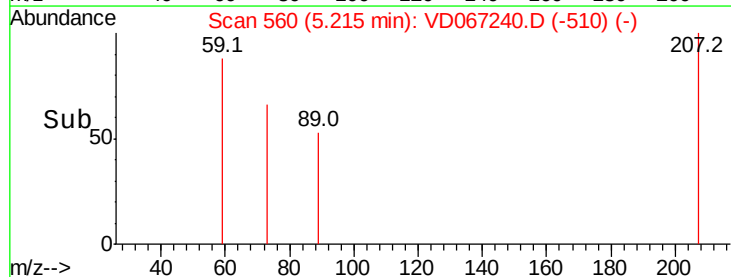


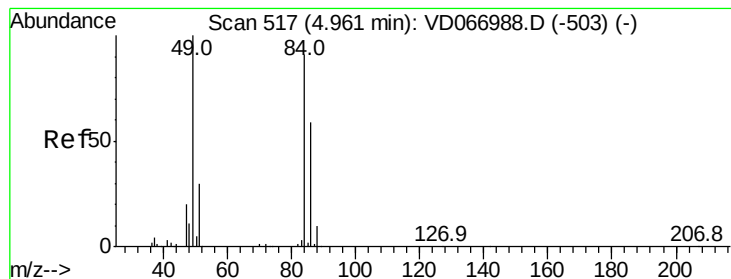
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

HD-1

Tot Ion: 84 Resp: 9921

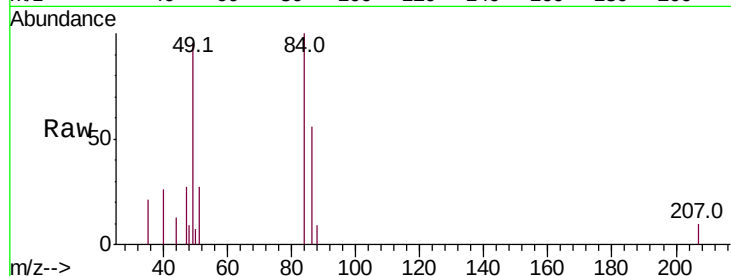
Ion Ratio Lower Upper

84 100

49 95.1 88.2 132.2

51 26.8 26.6 39.8

86 56.4 52.1 78.1



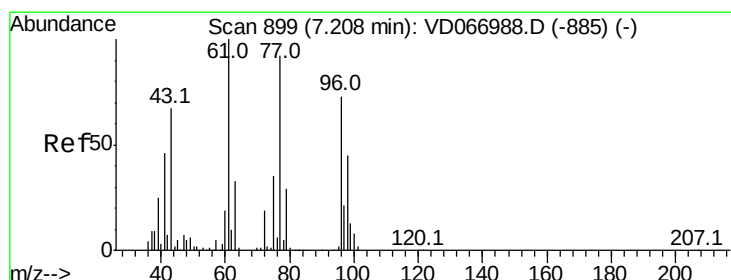
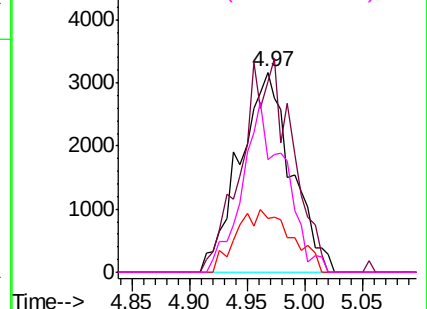
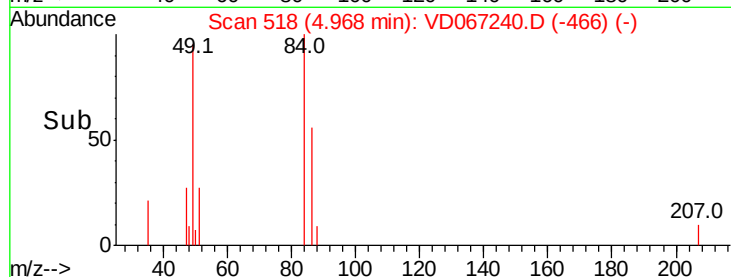
Abundance

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067240.D

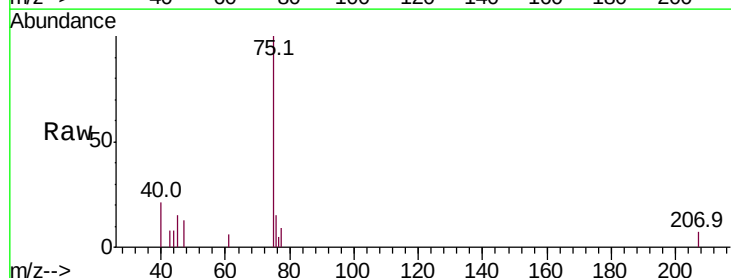
Acq: 12 Oct 2020 18:38

Tgt Ion: 77 Resp: 544

Ion Ratio Lower Upper

77 100

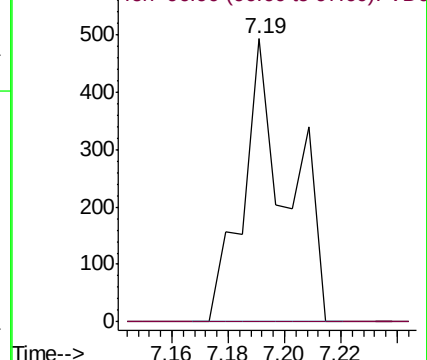
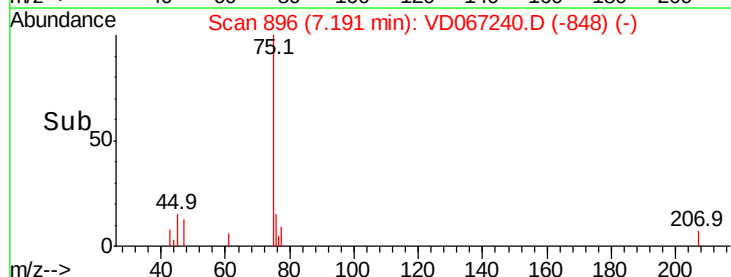
97 0.0 11.4 34.2#

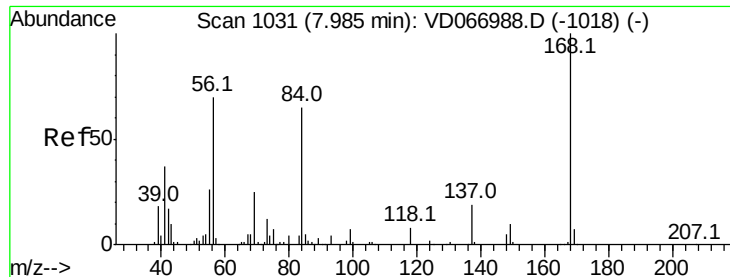


Abundance

Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

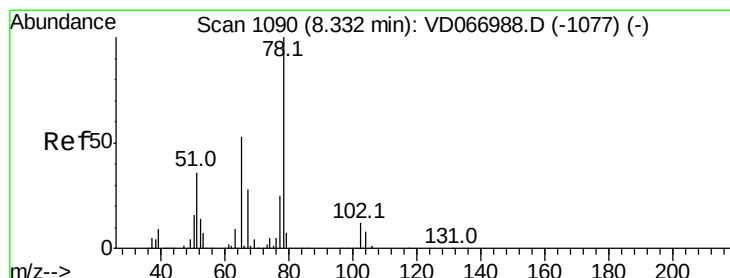
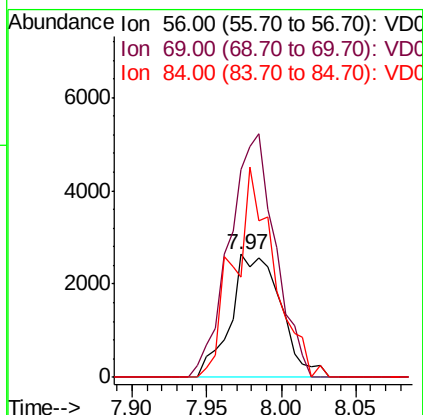
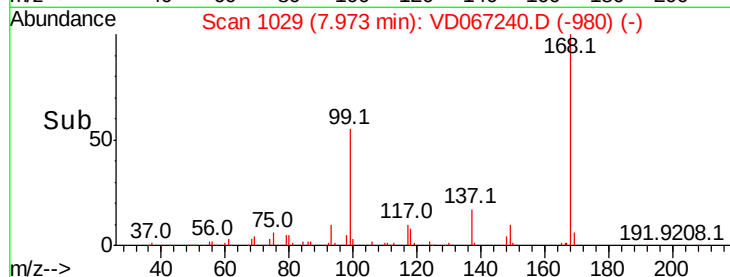
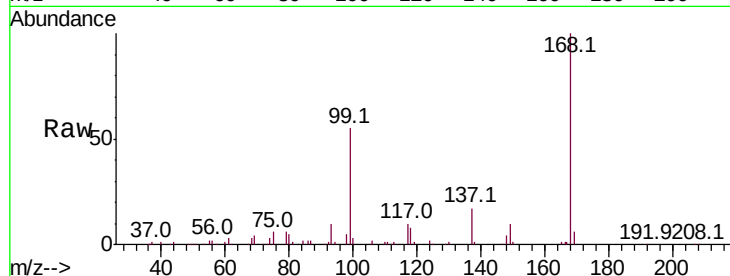




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

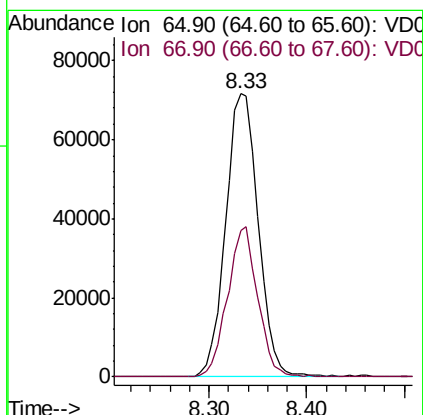
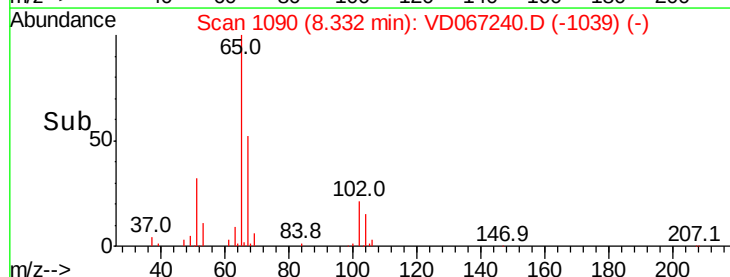
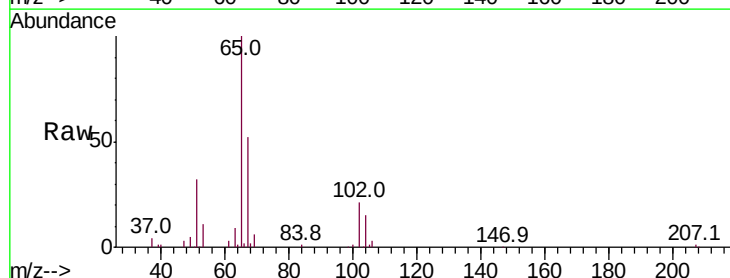
Instrument :
MSVOA_D
ClientSampled :
HD-1

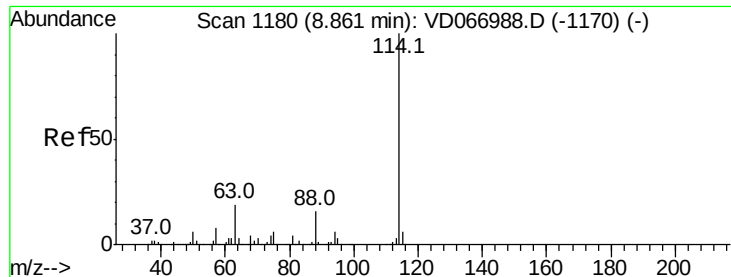
Tot Ion: 56 Resp: 6152
Ion Ratio Lower Upper
56 100
69 168.8 29.0 43.6#
84 81.2 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 53.634 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Tgt Ion: 65 Resp: 165853
Ion Ratio Lower Upper
65 100
67 49.3 0.0 106.8

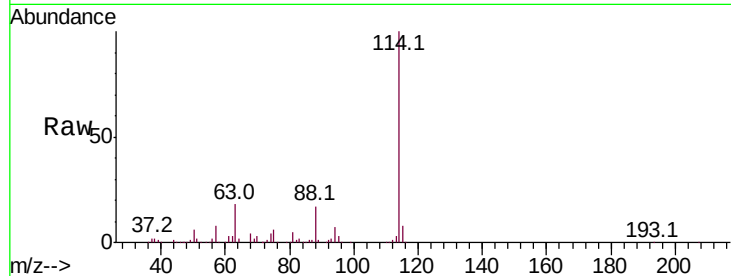




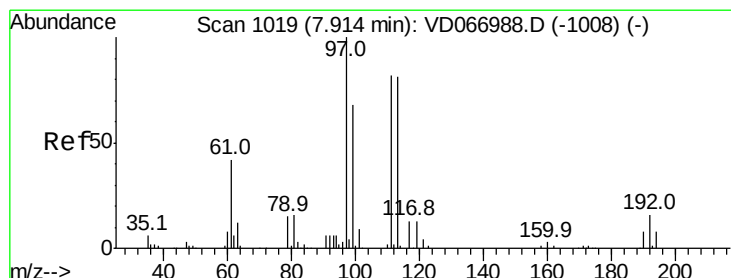
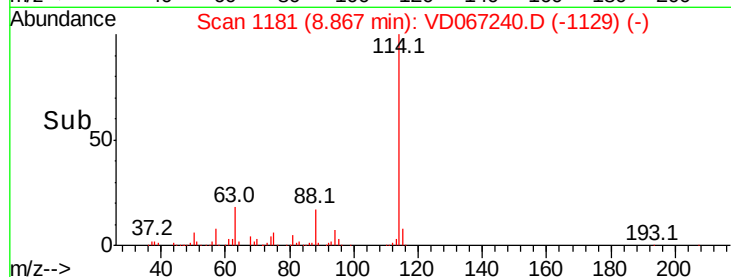
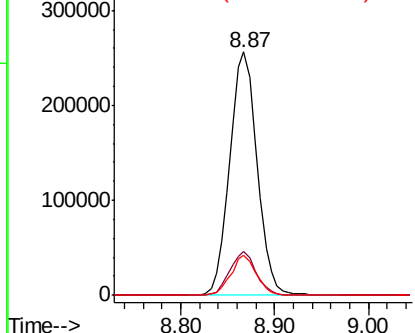
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
HD-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	16.6	0.0	31.2

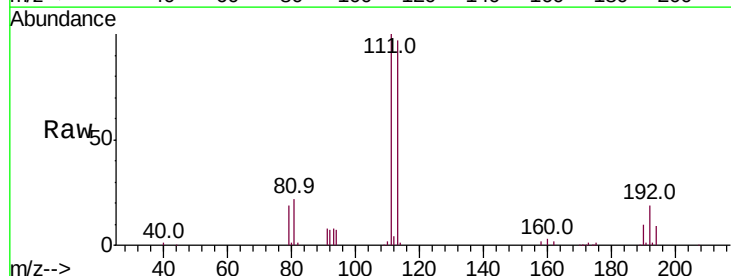


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

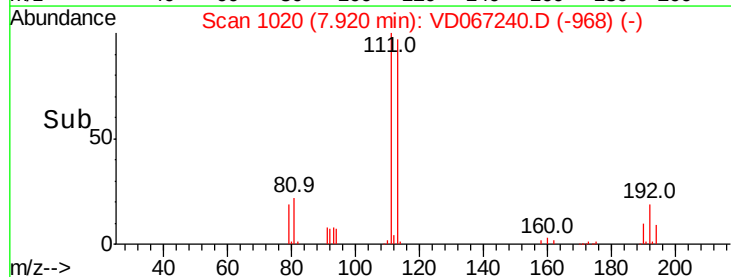
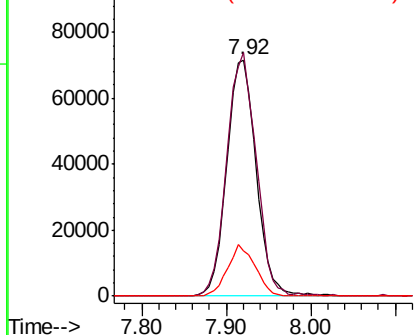


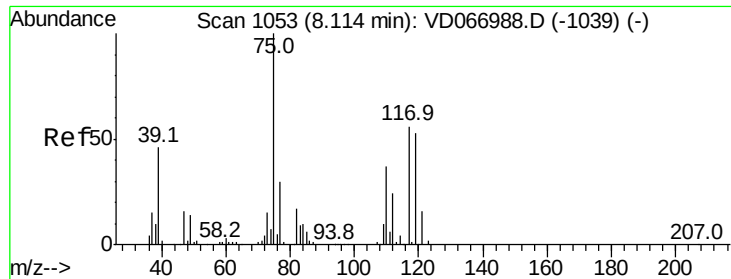
#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.0	124.4
192	20.4	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: 4.695 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

HD-1

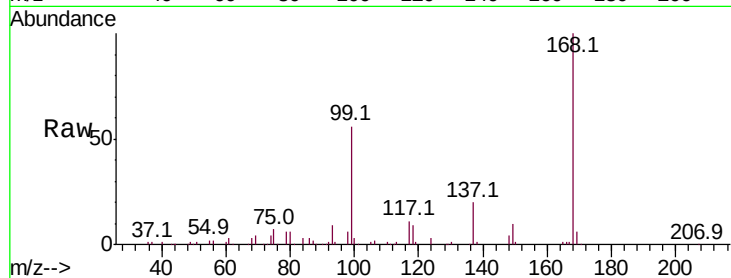
Tot Ion: 75 Resp: 22794

Ion Ratio Lower Upper

75 100

110 10.9 18.4 55.0#

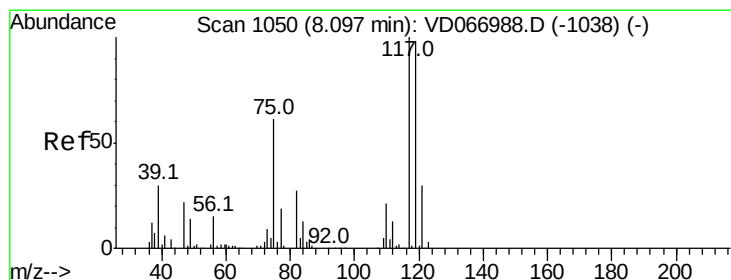
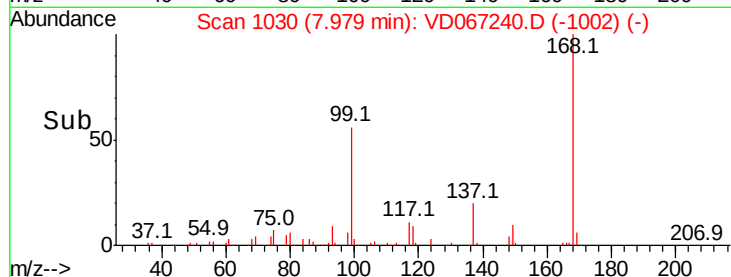
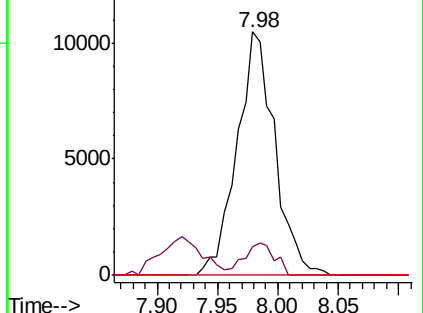
77 0.0 24.8 37.2#



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: 6.399 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

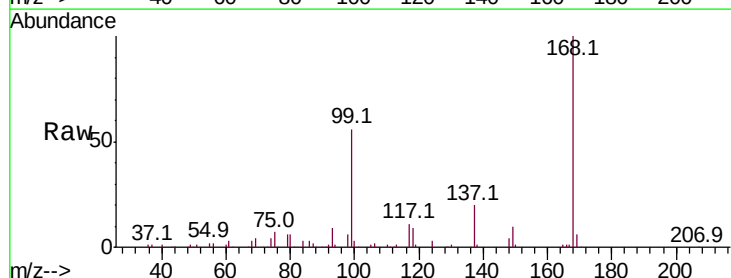
Tgt Ion: 117 Resp: 33612

Ion Ratio Lower Upper

117 100

119 6.6 78.7 118.1#

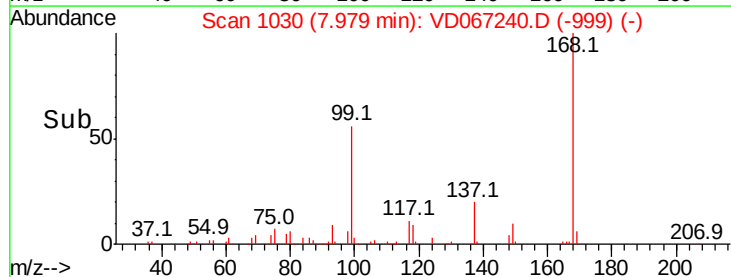
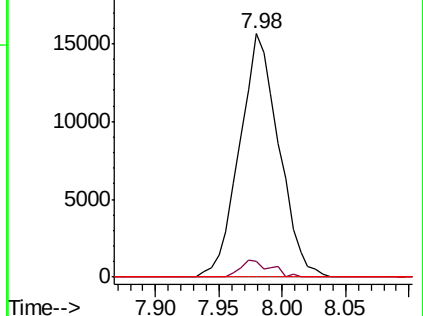
121 0.0 24.2 36.2#

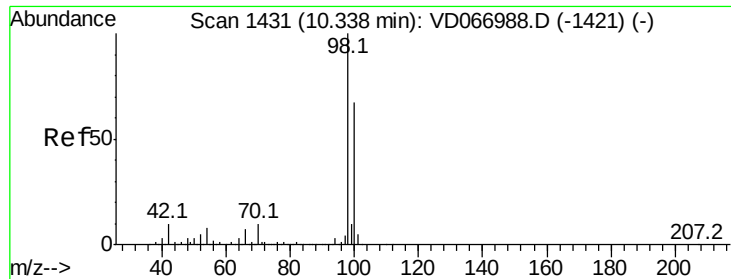


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

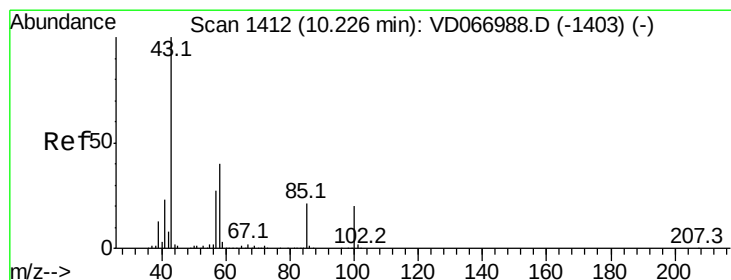
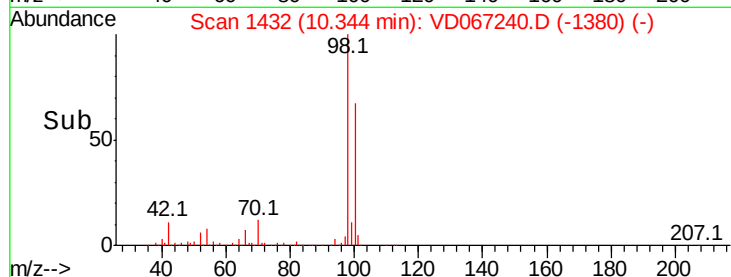
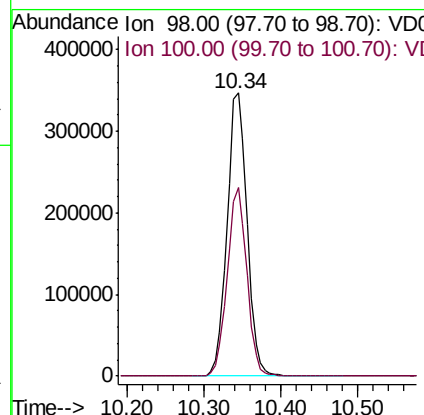
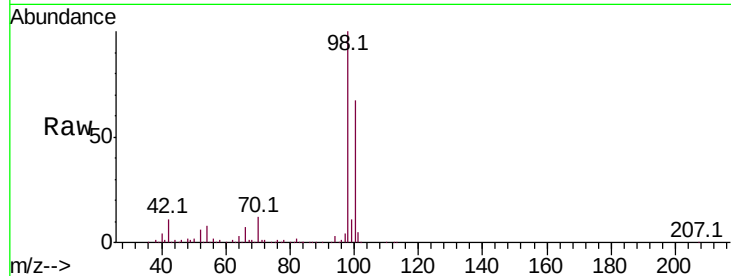




#50
Toluene-d8
Concen: 50.571 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

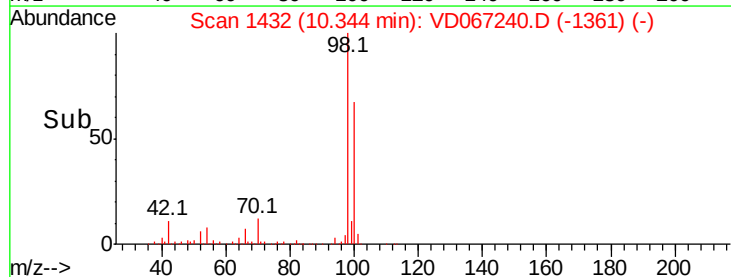
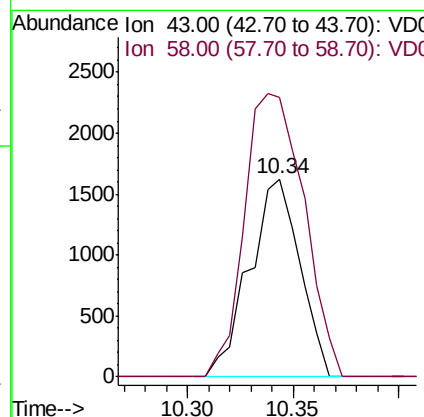
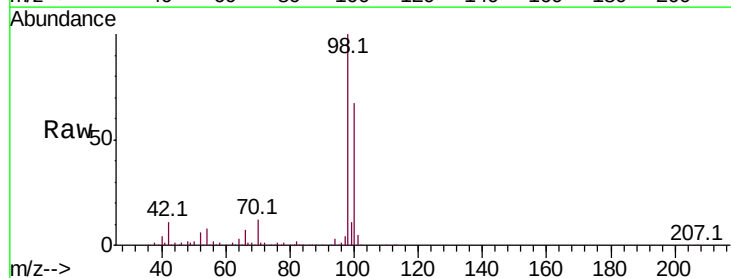
Instrument :
MSVOA_D
ClientSampleId :
HD-1

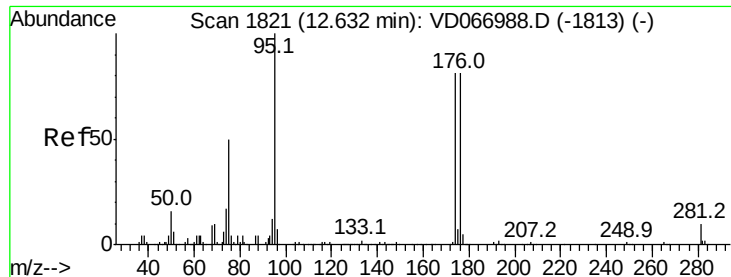
Tot Ion: 98 Resp: 628320
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.749 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.12 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 168.4 33.8 50.8#

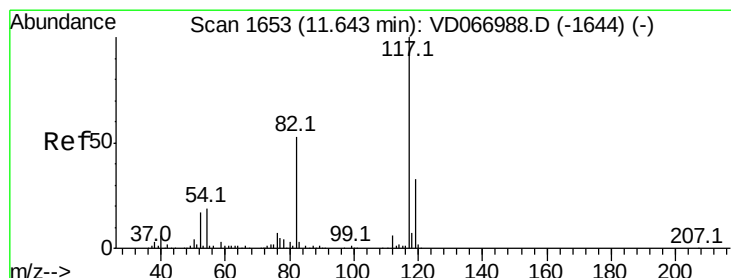
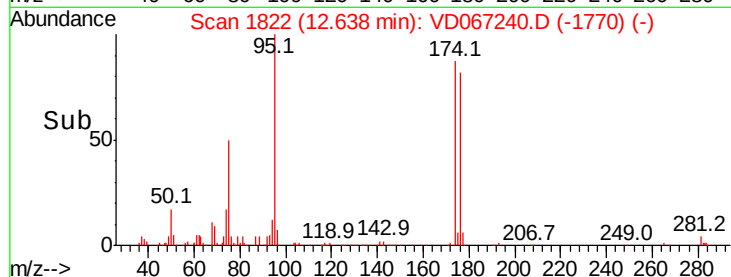
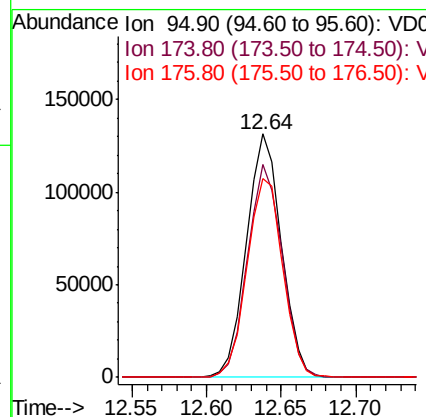
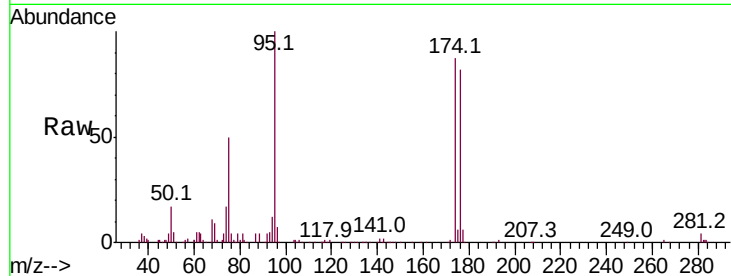




#62
4-Bromofluorobenzene
Concen: 50.212 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

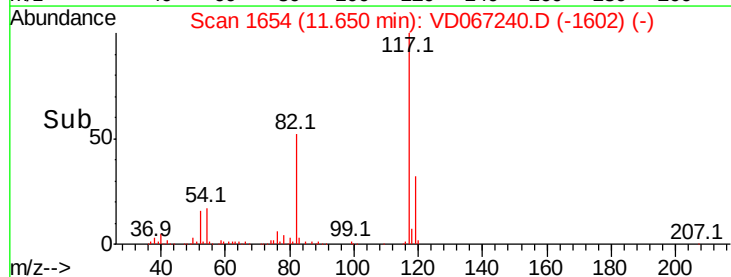
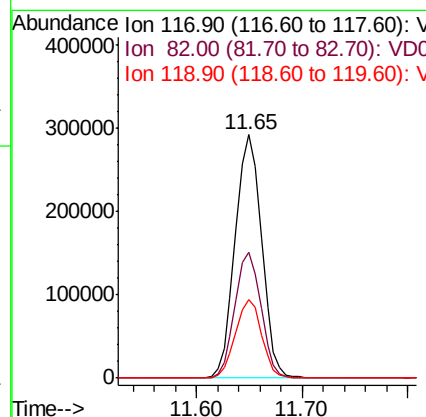
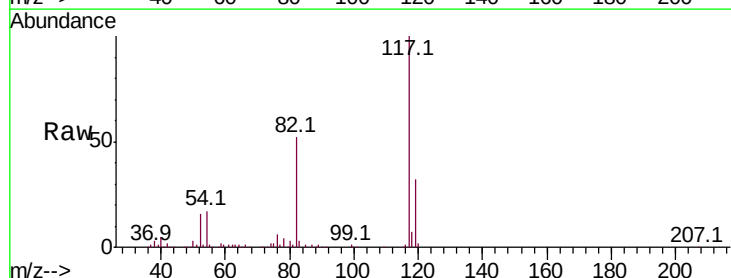
Instrument :
MSVOA_D
ClientSampleId :
HD-1

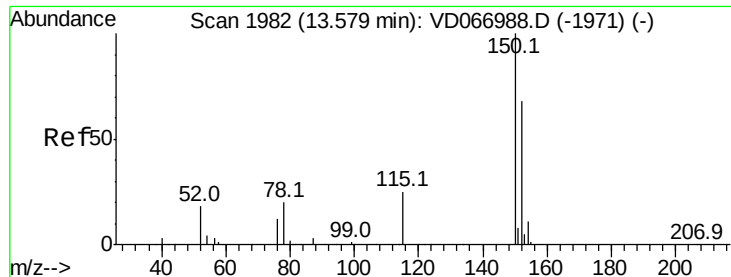
Tot Ion: 95 Resp: 211784
Ion Ratio Lower Upper
95 100
174 87.1 0.0 167.6
176 83.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Tgt Ion: 117 Resp: 505762
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 32.0 26.3 39.5



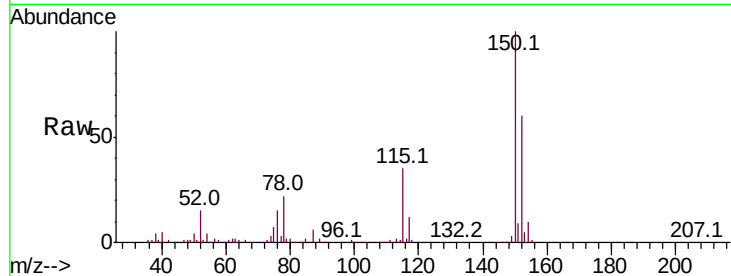


#72

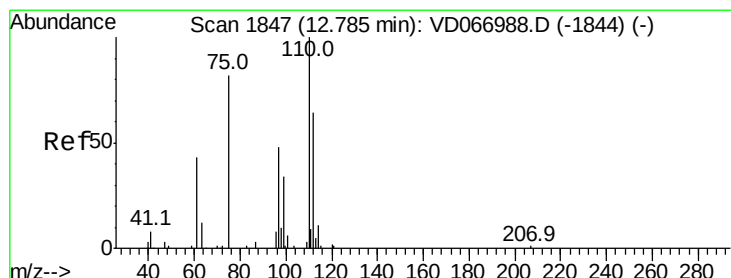
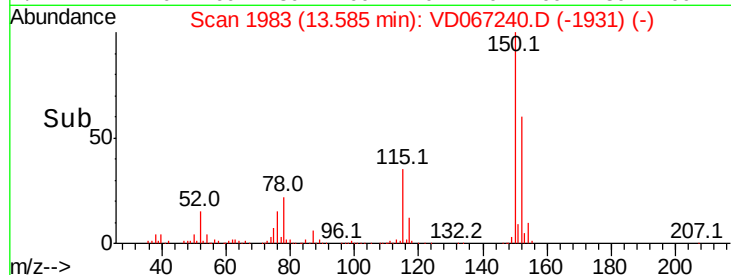
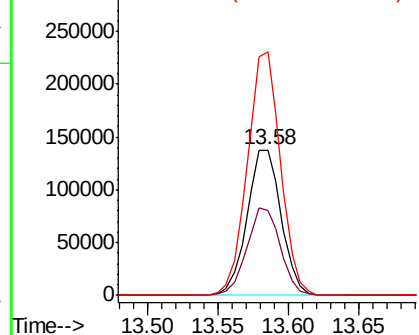
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
HD-1

Tot Ion:152 Resp: 234061
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 162.0 0.0 344.8



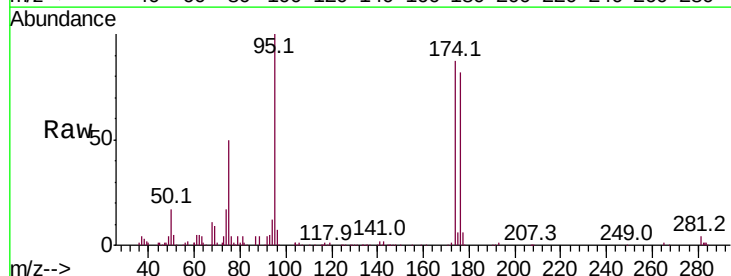
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



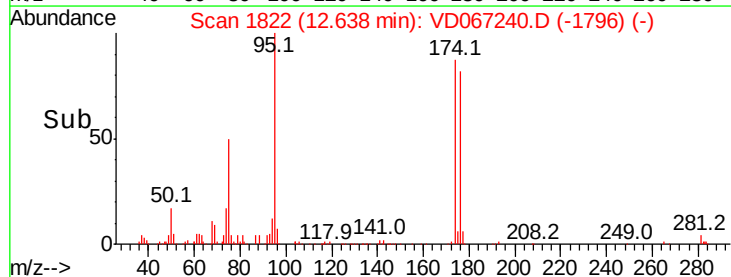
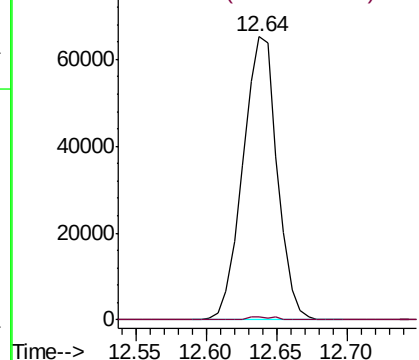
#76

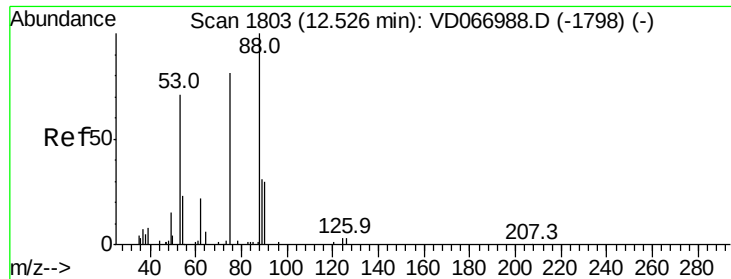
1,2,3-Trichloropropane
Concen: 54.289 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067240.D
Acq: 12 Oct 2020 18:38

Tgt Ion: 75 Resp: 110682
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 135.350 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067240.D

Acq: 12 Oct 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

HD-1

Tot Ion: 75 Resp: 110682

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.3 38.9 58.3#

