

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067235.D
 Acq On : 12 Oct 2020 16:20
 Operator : VA/SY
 Sample : L4369-03
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-2

Quant Time: Oct 13 00:17:09 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	342261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	554127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224741	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	169929	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	7.91	113	183948	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.34	98	638757	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.64	95	208733	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

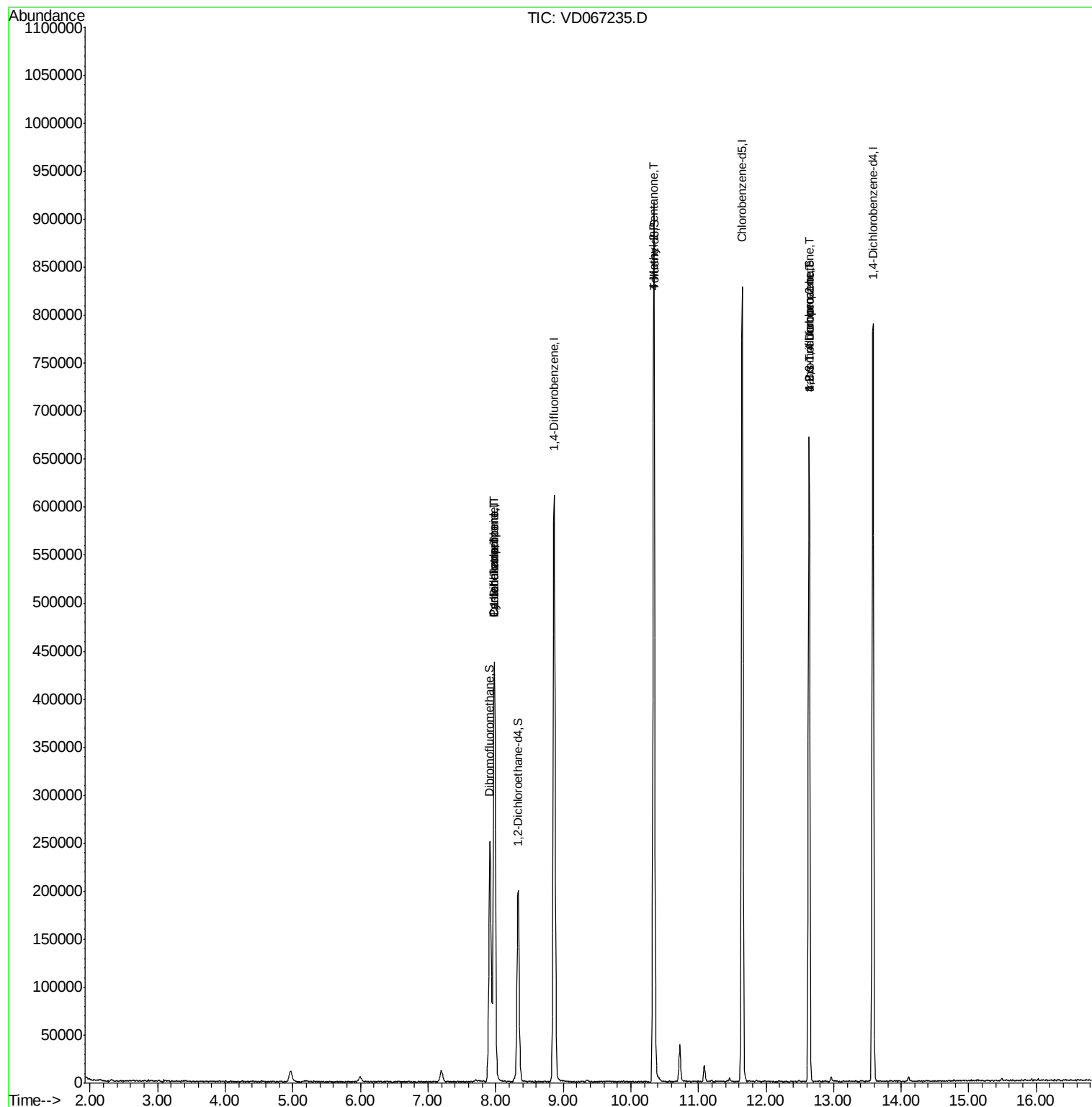
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	225	Below Cal	#	40
5) Bromomethane	2.79	94	316	Below Cal	#	3
11) Tert butyl alcohol	5.20	59	227	Below Cal	#	72
20) Methylene Chloride	4.97	84	9719	Below Cal	#	73
26) 2,2-Dichloropropane	7.19	77	790	Below Cal	#	53
31) Cyclohexane	7.98	56	6779	1.369	ug/l #	40
36) 1,1-Dichloropropene	7.97	75	25368	4.911	ug/l #	50
38) Carbon Tetrachloride	7.98	117	34958	6.255	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	2535	1.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	106401	54.354	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106401	135.511	ug/l #	12

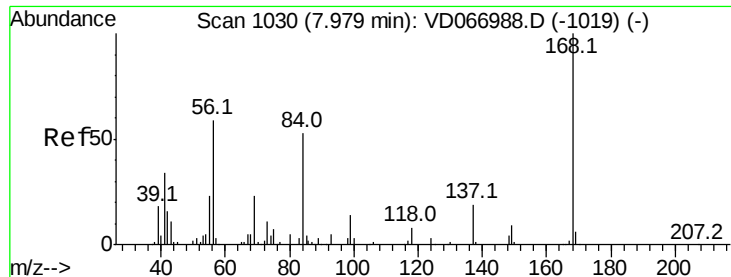
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD067235.D

Acq: 12 Oct 2020 16:20

Instrument :

MSVOA_D

ClientSampled :

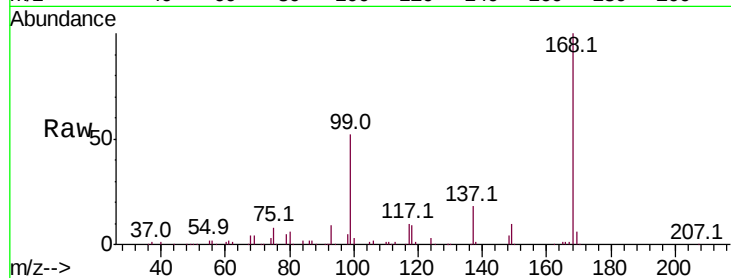
HD-2

Tot Ion:168 Resp: 342261

Ion Ratio Lower Upper

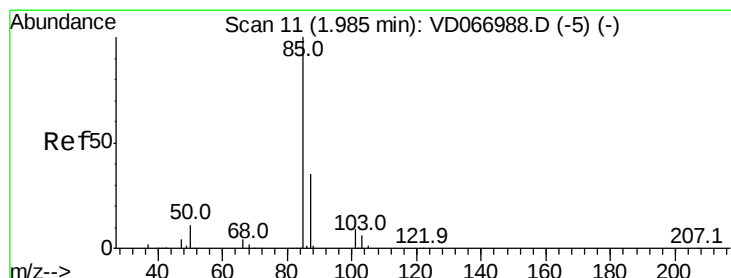
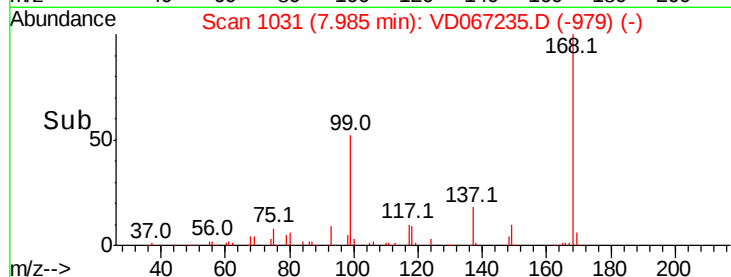
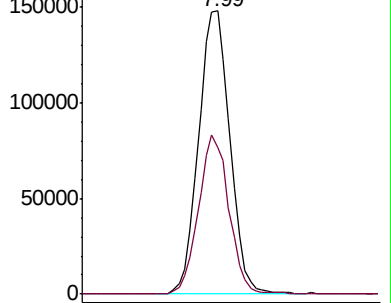
168 100

99 51.7 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: VD067235.D

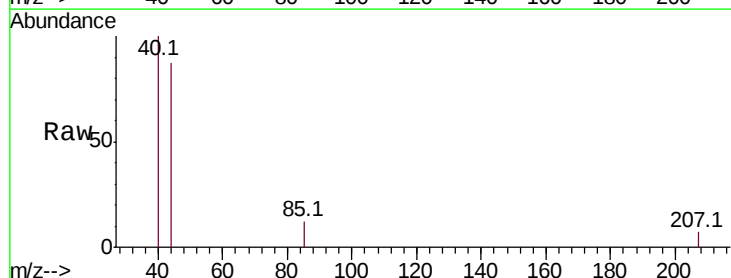
Acq: 12 Oct 2020 16:20

Tgt Ion: 85 Resp: 225

Ion Ratio Lower Upper

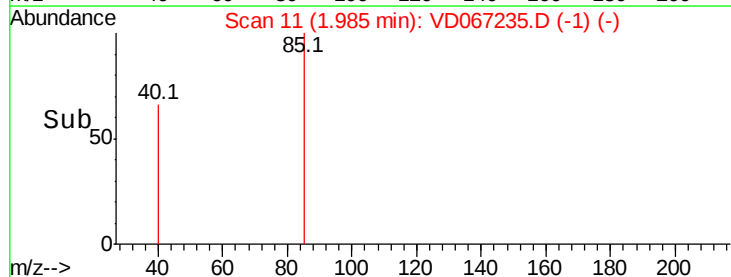
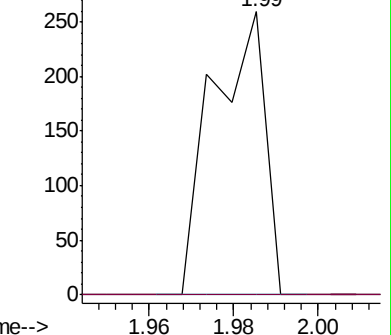
85 100

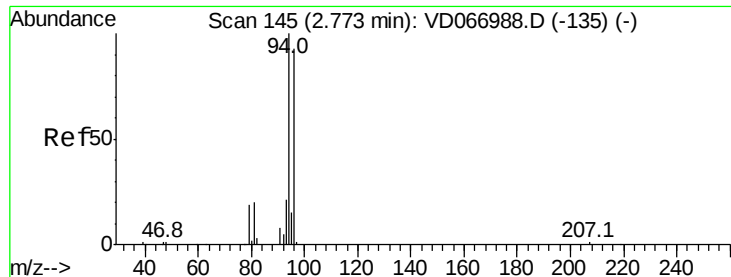
87 0.0 17.3 52.0#



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067235.D

Acq: 12 Oct 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

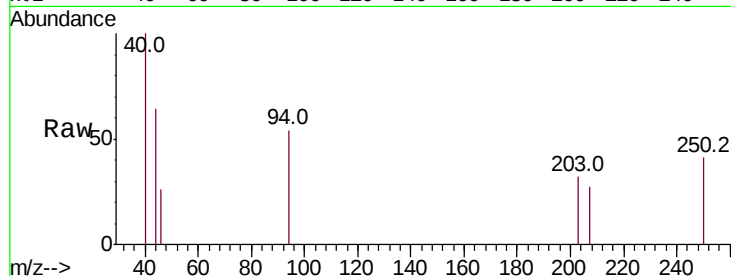
HD-2

Tot Ion: 94 Resp: 316

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

2.79

300

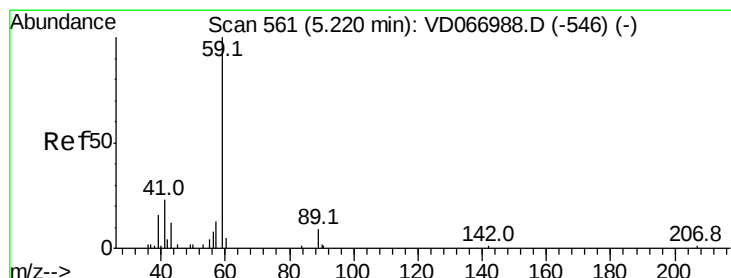
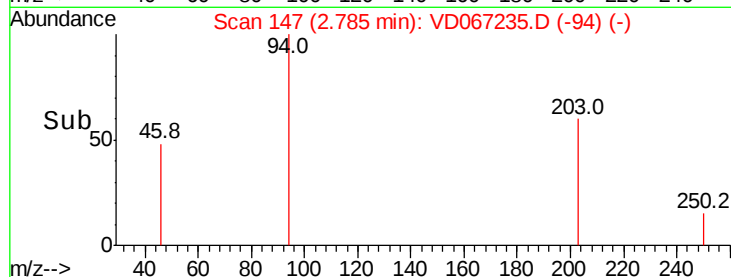
200

100

0

2.76 2.78 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067235.D

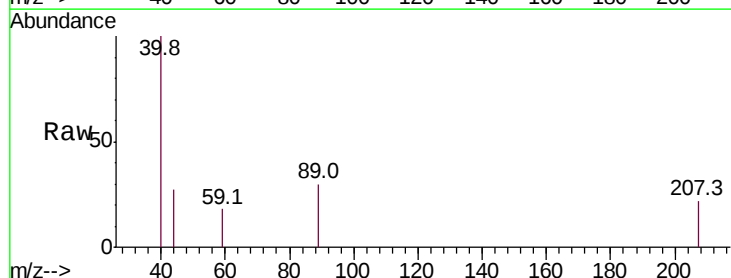
Acq: 12 Oct 2020 16:20

Tgt Ion: 59 Resp: 227

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

300

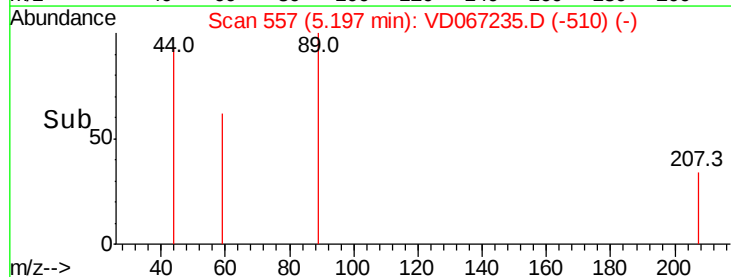
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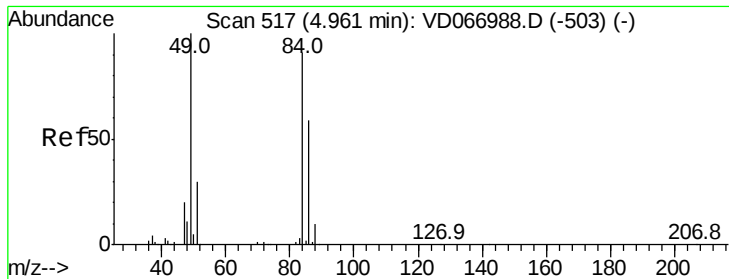
100

0

5.18 5.20 5.22

Time-->

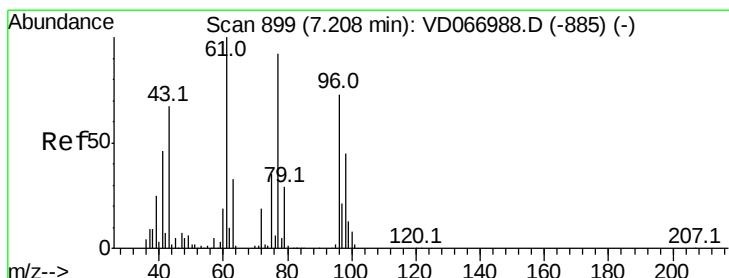
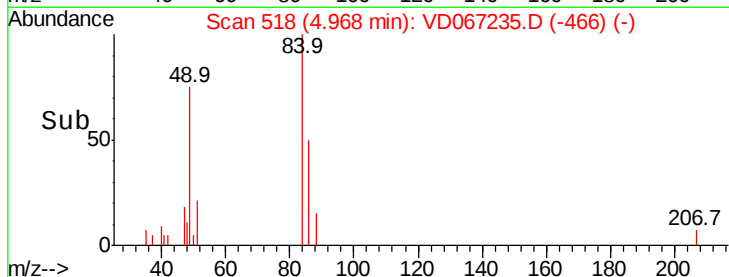
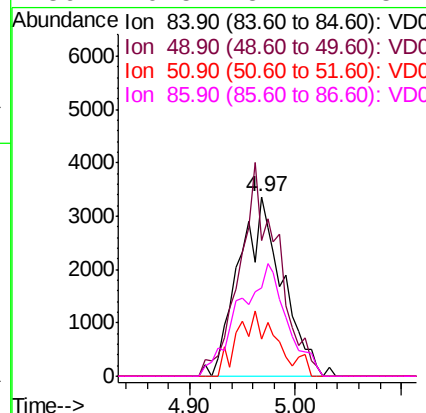
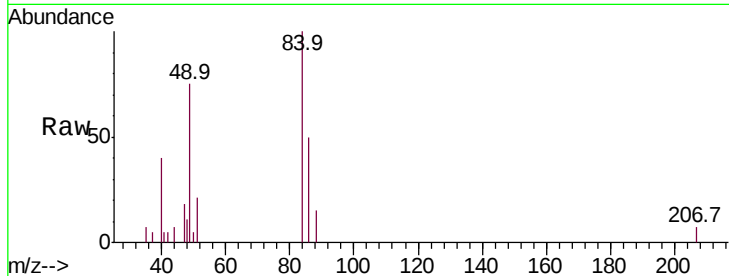




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

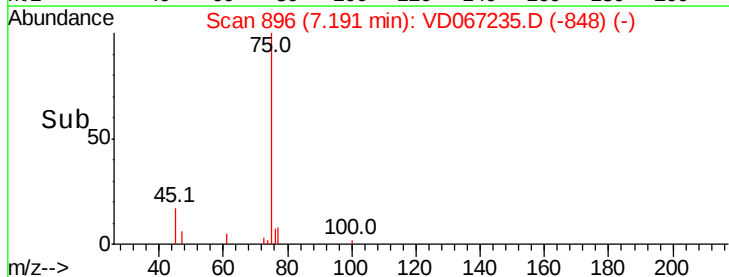
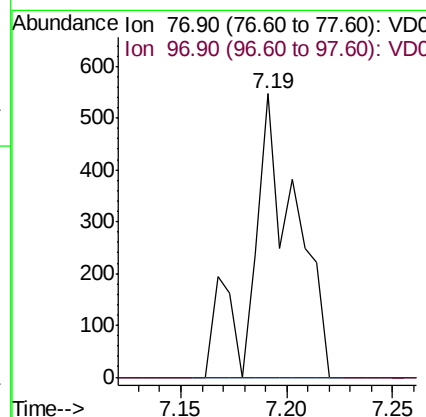
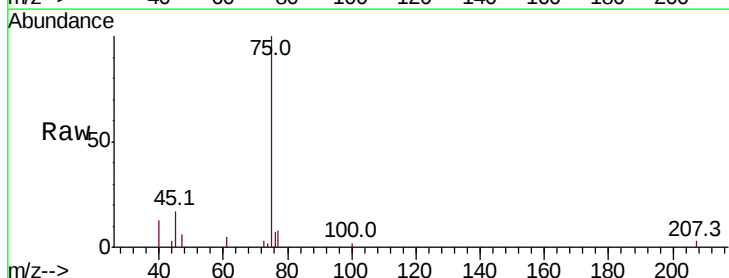
Instrument :
MSVOA_D
ClientSampleId :
HD-2

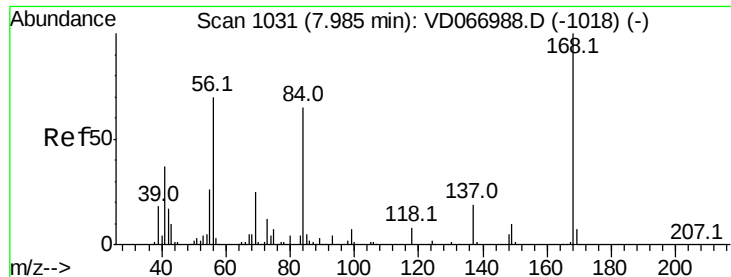
Tot Ion: 84 Resp: 9719
Ion Ratio Lower Upper
84 100
49 75.3 88.2 132.2#
51 21.0 26.6 39.8#
86 49.5 52.1 78.1#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

Tgt Ion: 77 Resp: 790
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

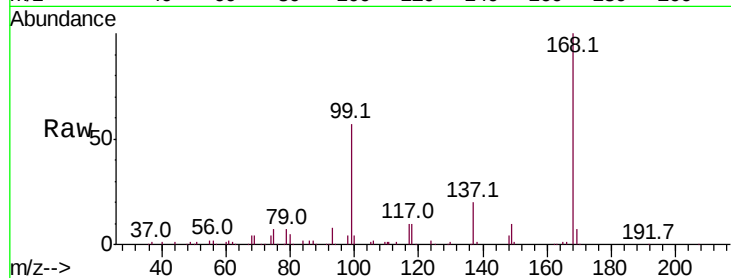




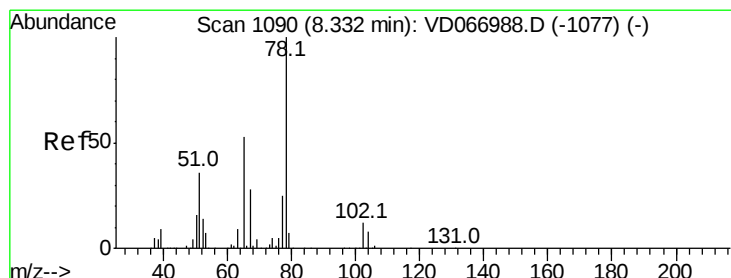
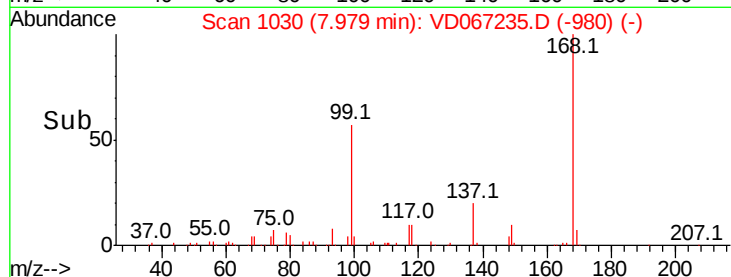
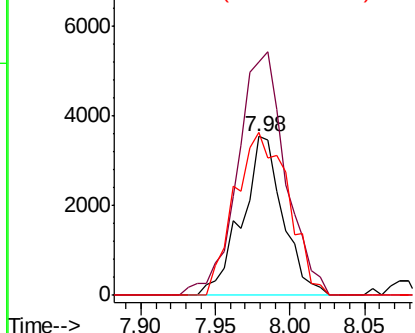
#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

Instrument :
MSVOA_D
ClientSampled :
HD-2

Tot Ion: 56 Resp: 6779
Ion Ratio Lower Upper
56 100
69 146.7 29.0 43.6#
84 102.6 74.2 111.2

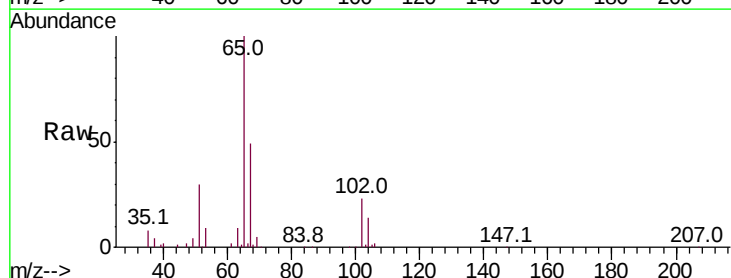


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

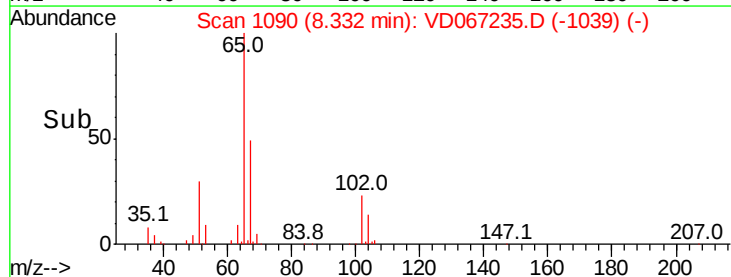
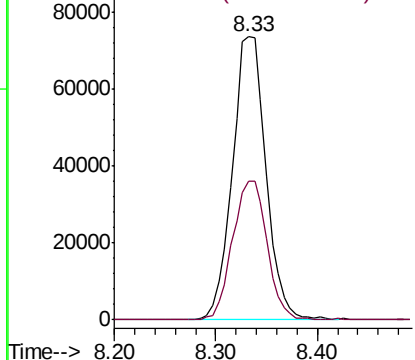


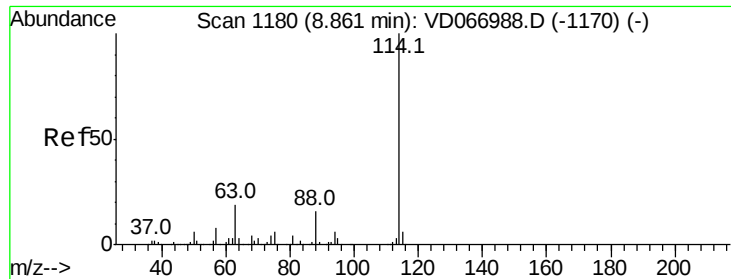
#33
1,2-Dichloroethane-d4
Concen: 51.546 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

Tgt Ion: 65 Resp: 169929
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.8



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

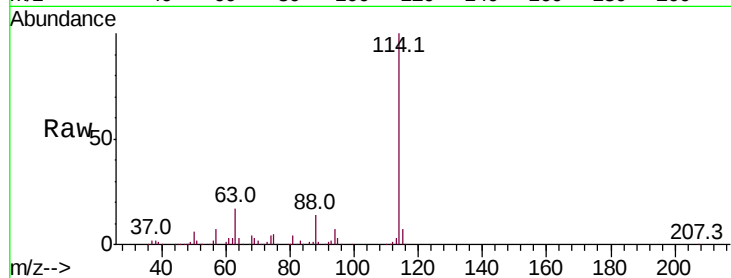




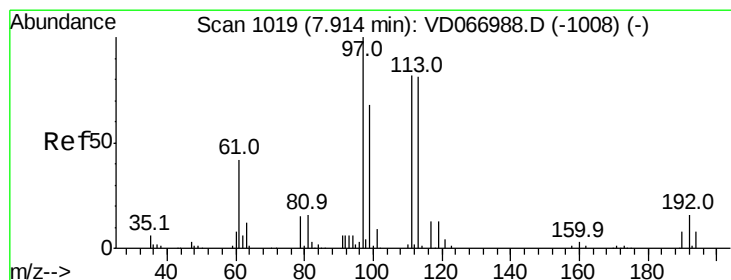
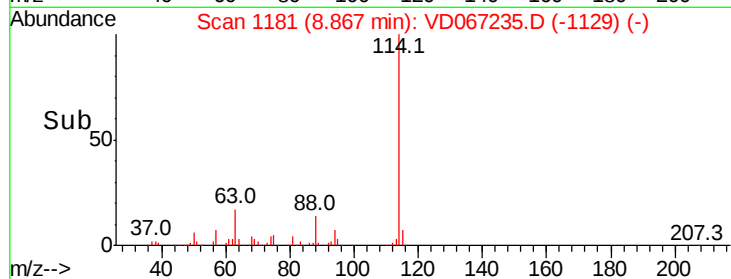
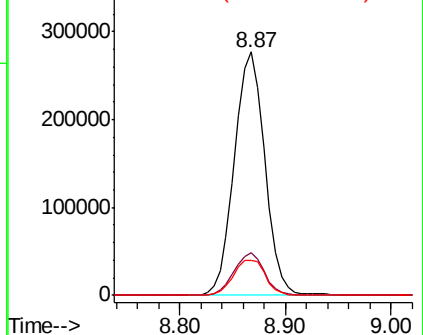
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067235.D
 Acq: 12 Oct 2020 16:20

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-2

Tot Ion:114 Resp: 554127
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 38.4
 88 14.3 0.0 31.2

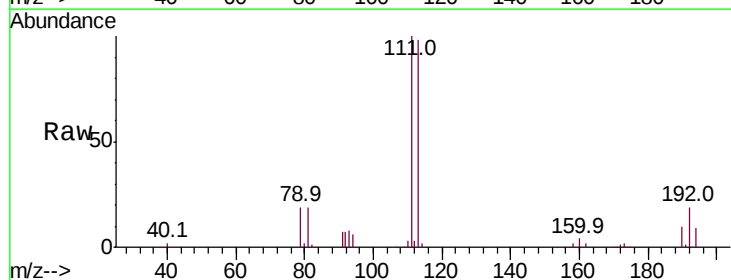


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

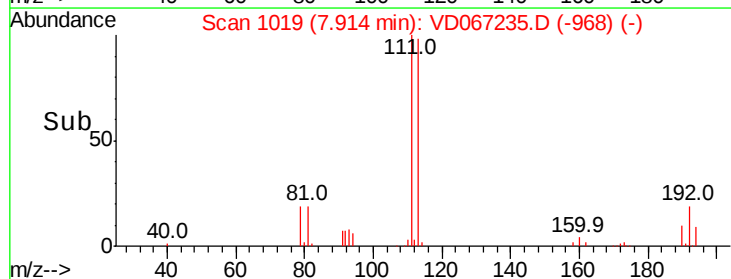
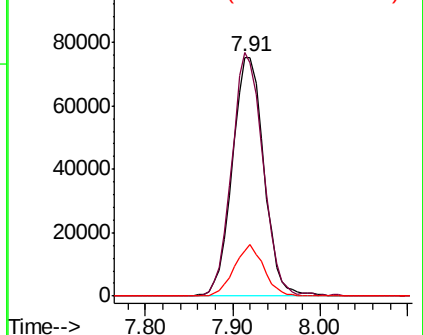


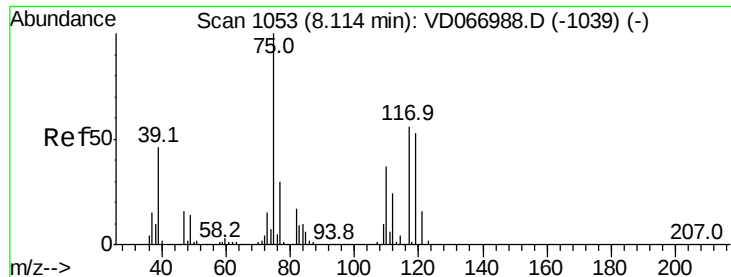
#35
 Dibromofluoromethane
 Concen: 50.706 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067235.D
 Acq: 12 Oct 2020 16:20

Tgt Ion:113 Resp: 183948
 Ion Ratio Lower Upper
 113 100
 111 100.3 83.0 124.4
 192 20.1 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: 4.911 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067235.D

Acq: 12 Oct 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

HD-2

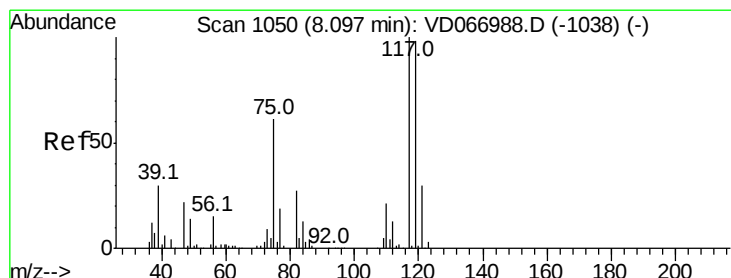
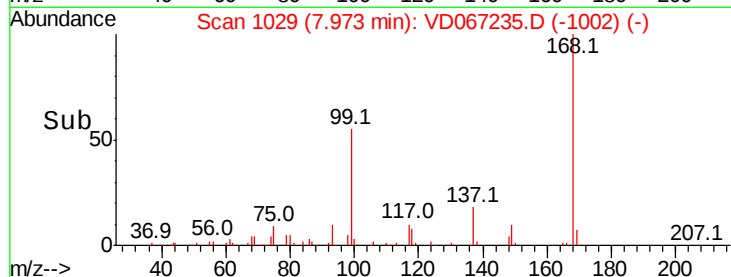
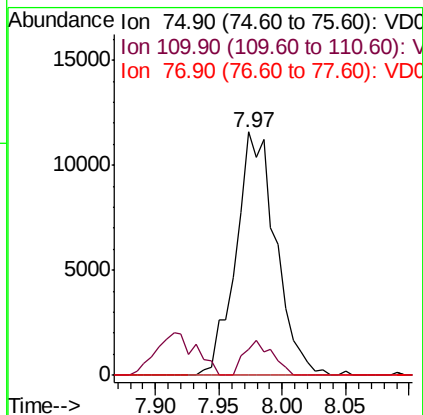
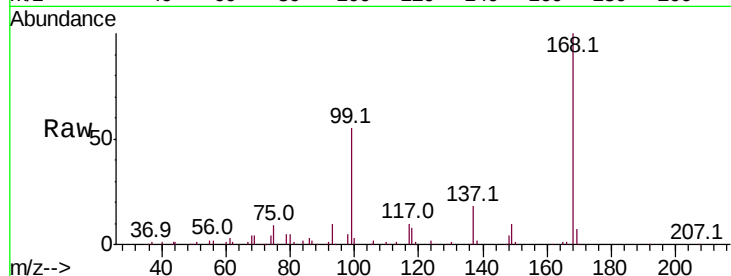
Tot Ion: 75 Resp: 25368

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.255 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067235.D

Acq: 12 Oct 2020 16:20

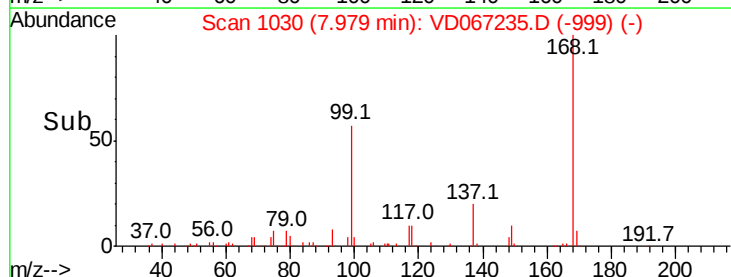
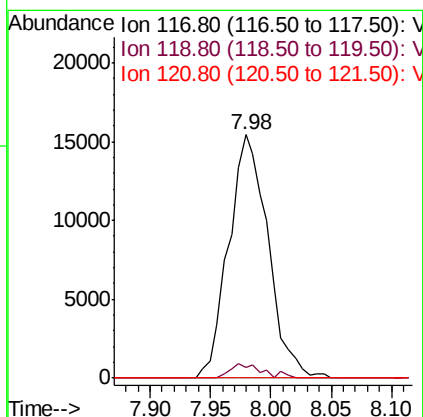
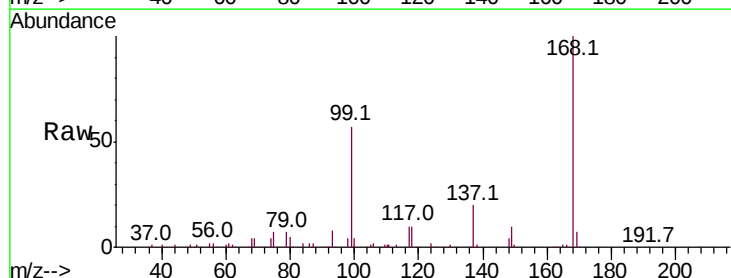
Tgt Ion: 117 Resp: 34958

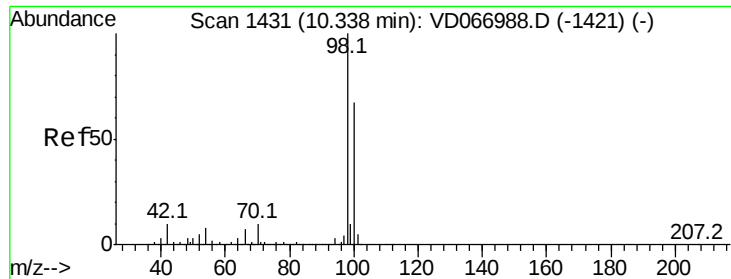
Ion Ratio Lower Upper

117 100

119 4.6 78.7 118.1#

121 0.0 24.2 36.2#

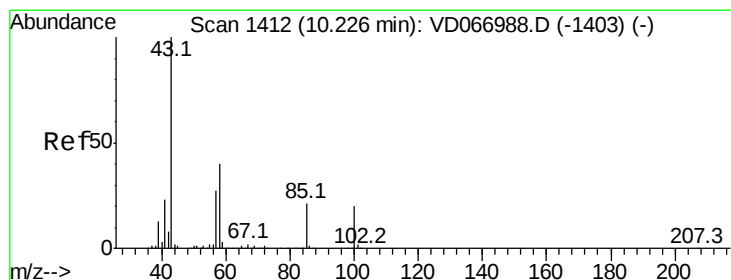
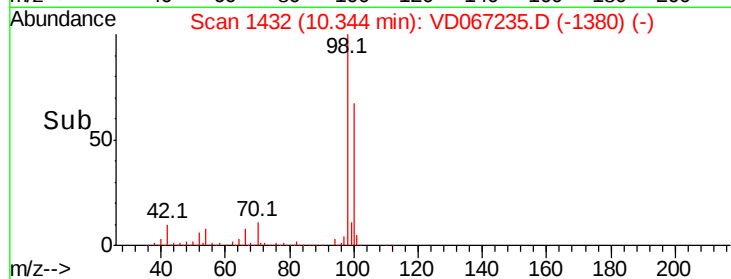
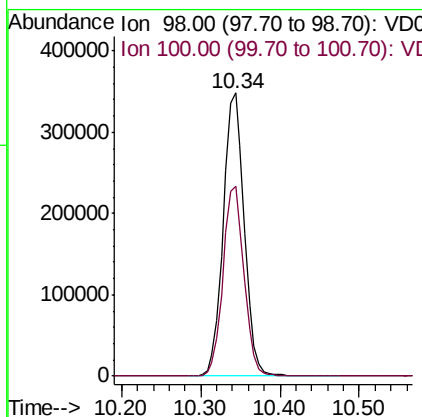
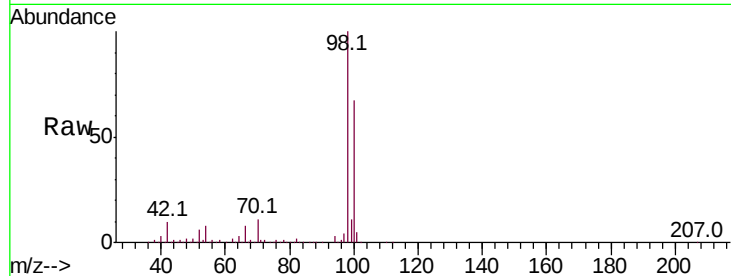




#50
Toluene-d8
Concen: 48.321 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

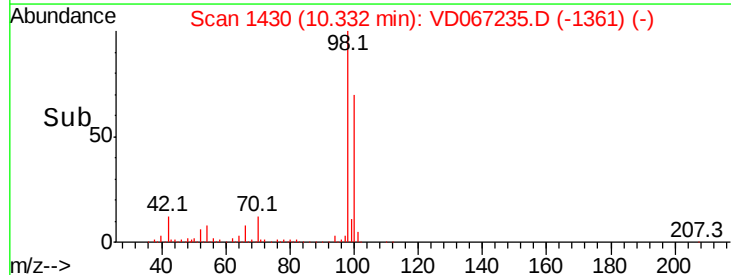
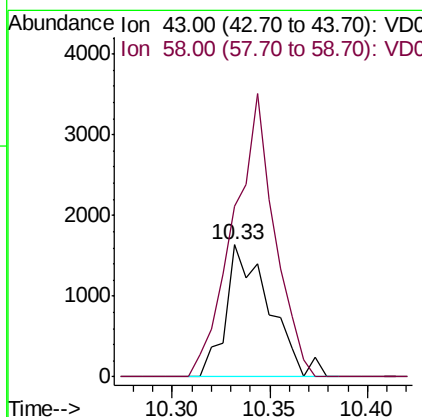
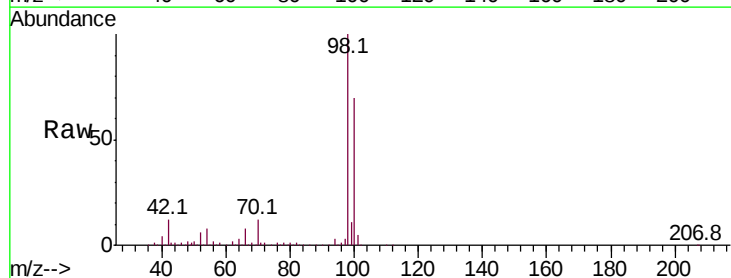
Instrument :
MSVOA_D
ClientSampled :
HD-2

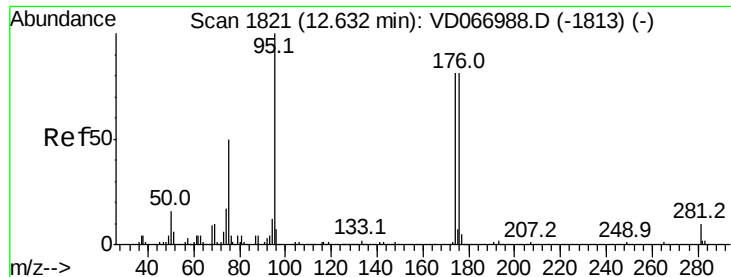
Tot Ion: 98 Resp: 638757
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.544 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

Tgt Ion: 43 Resp: 2535
Ion Ratio Lower Upper
43 100
58 203.7 33.8 50.8#

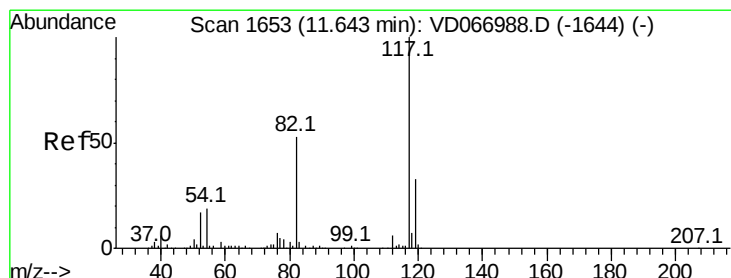
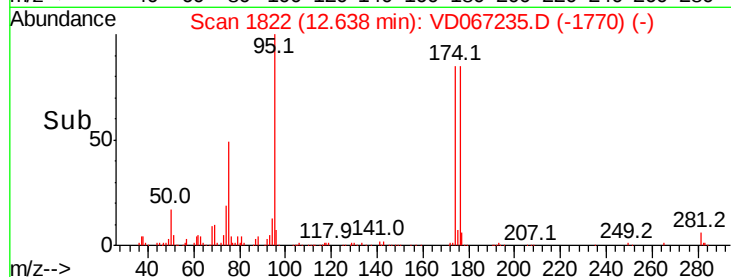
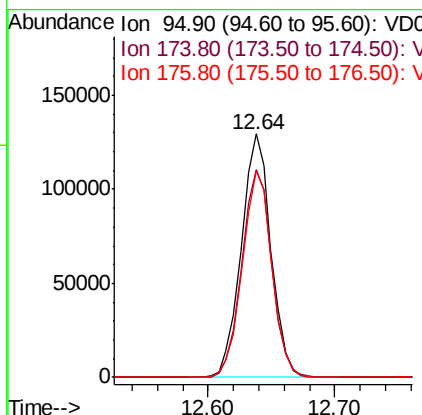
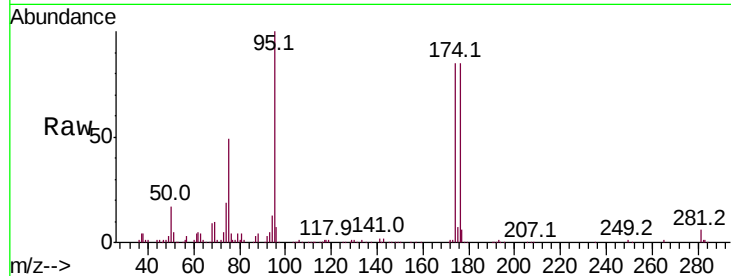




#62
4-Bromofluorobenzene
Concen: 46.513 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

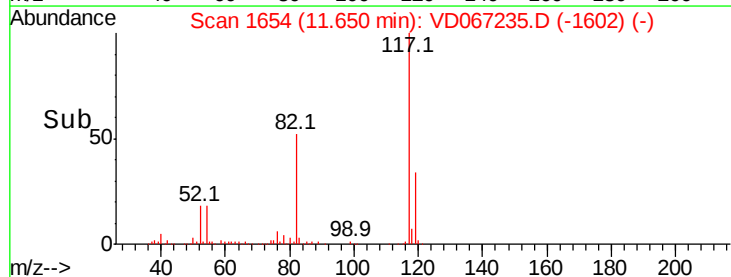
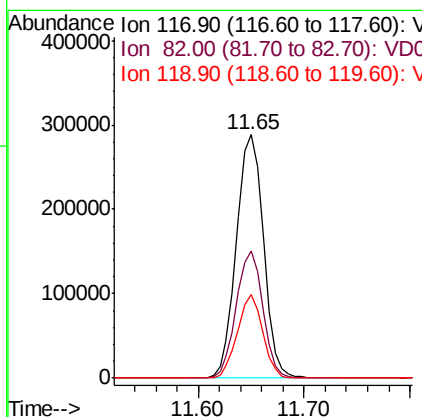
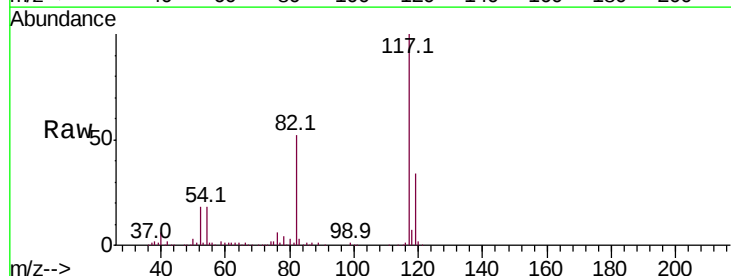
Instrument :
MSVOA_D
ClientSampleId :
HD-2

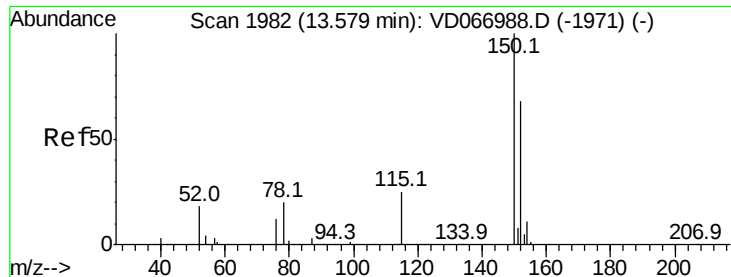
Tot Ion: 95 Resp: 208733
Ion Ratio Lower Upper
95 100
174 86.4 0.0 167.6
176 84.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067235.D
Acq: 12 Oct 2020 16:20

Tgt Ion: 117 Resp: 511571
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 34.2 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: VD067235.D

Acq: 12 Oct 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

HD-2

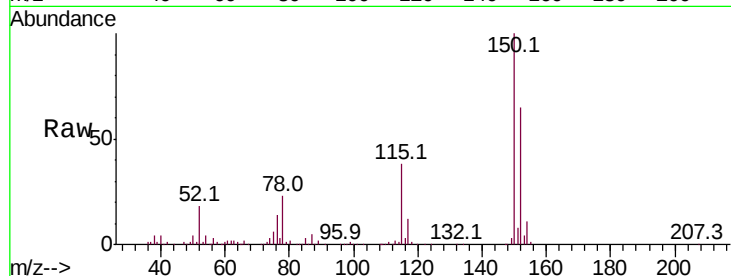
Tot Ion:152 Resp: 224741

Ion Ratio Lower Upper

152 100

115 58.9 29.6 88.8

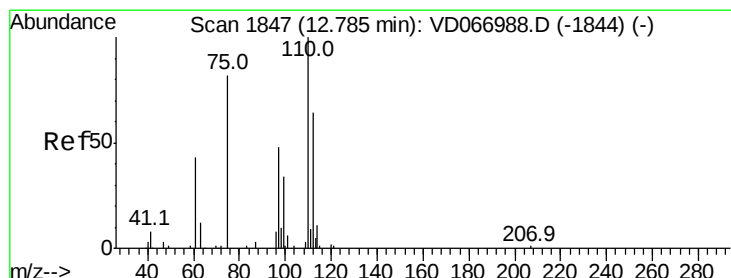
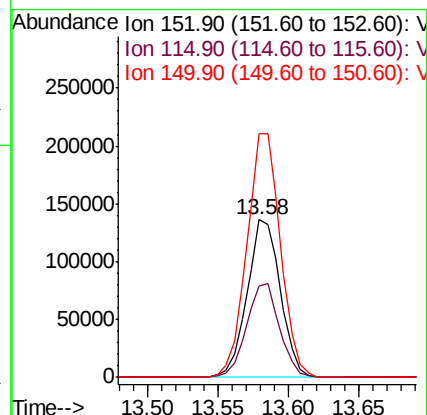
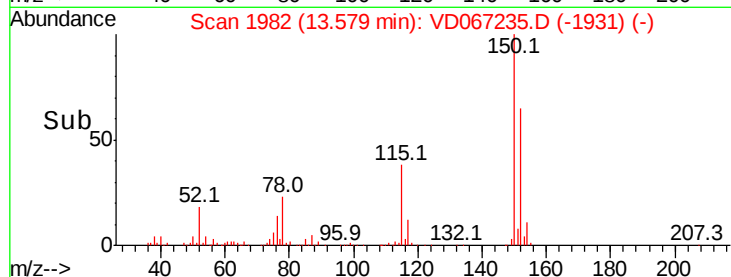
150 156.2 0.0 344.8



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: 54.354 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067235.D

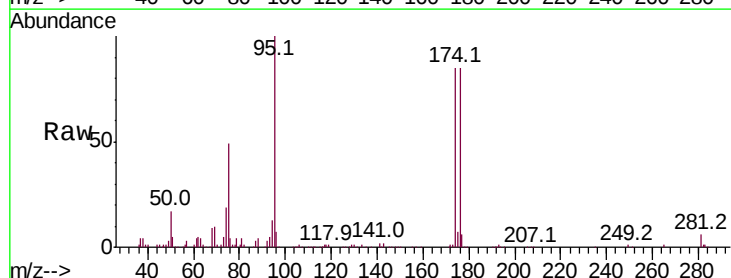
Acq: 12 Oct 2020 16:20

Tgt Ion: 75 Resp: 106401

Ion Ratio Lower Upper

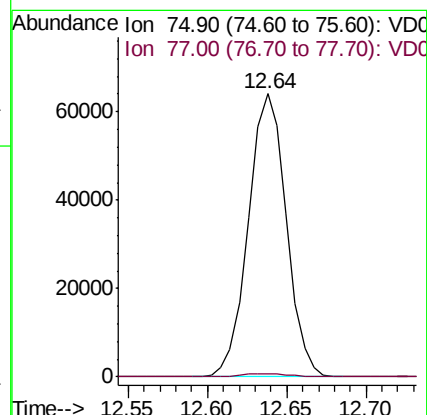
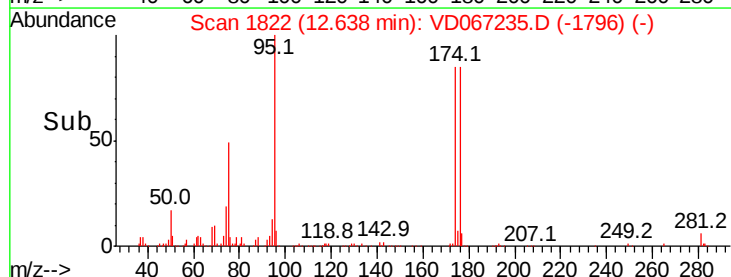
75 100

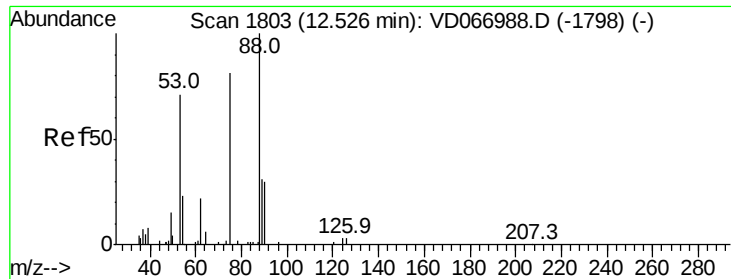
77 1.2 0.0 0.0#



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: 135.511 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067235.D

Acq: 12 Oct 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

HD-2

Tot Ion: 75 Resp: 106401

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 38.9 58.3#

