

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067238.D
 Acq On : 12 Oct 2020 17:43
 Operator : VA/SY
 Sample : L4369-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-5

Quant Time: Oct 13 00:17:41 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

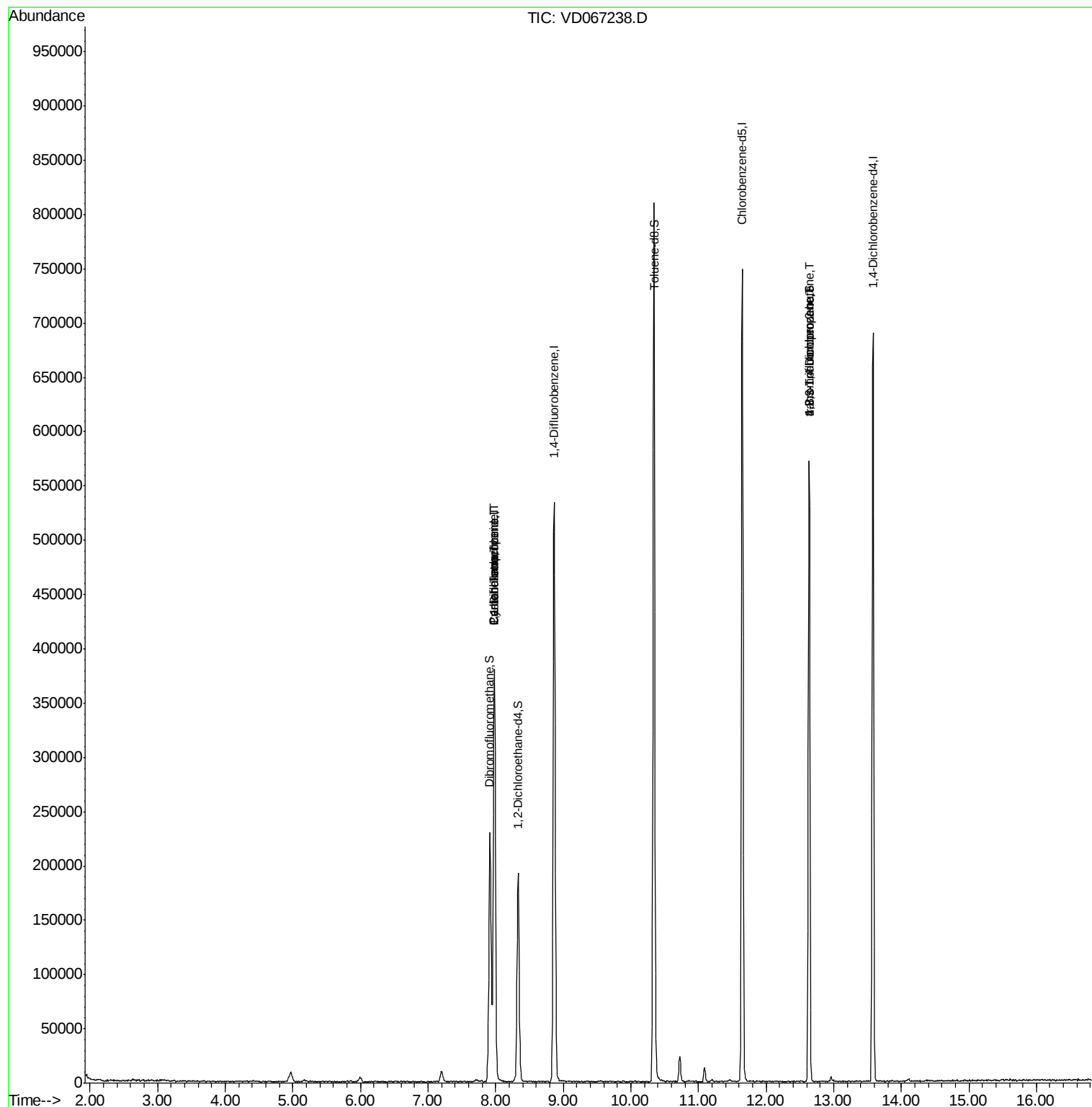
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	477728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	446538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	194291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	160830	57.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.26%	
35) Dibromofluoromethane	7.91	113	162885	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
50) Toluene-d8	10.34	98	563179	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	184920	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	179	Below Cal	#	40
5) Bromomethane	2.79	94	70	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	149	Below Cal	#	72
20) Methylene Chloride	4.96	84	7518	Below Cal		97
26) 2,2-Dichloropropane	7.20	77	464	Below Cal	#	53
31) Cyclohexane	7.98	56	6135	1.464	ug/l #	46
36) 1,1-Dichloropropene	7.98	75	20043	4.501	ug/l #	52
38) Carbon Tetrachloride	7.98	117	30890	6.411	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	93049	54.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	93049	137.078	ug/l #	12

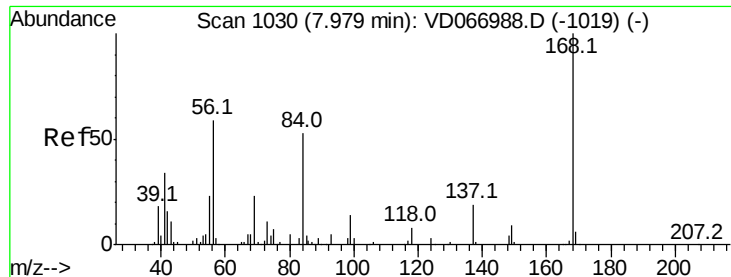
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampled :

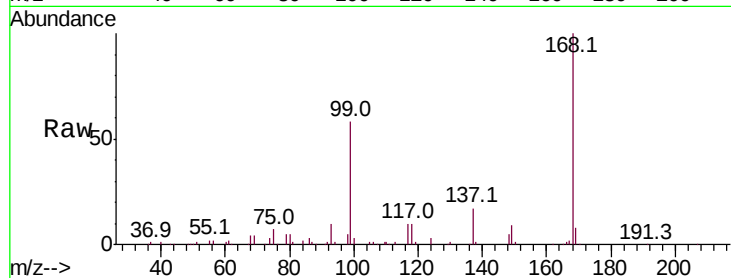
HD-5

Tot Ion:168 Resp: 289732

Ion Ratio Lower Upper

168 100

99 57.7 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

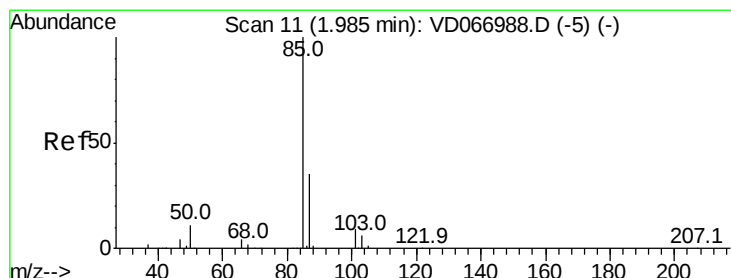
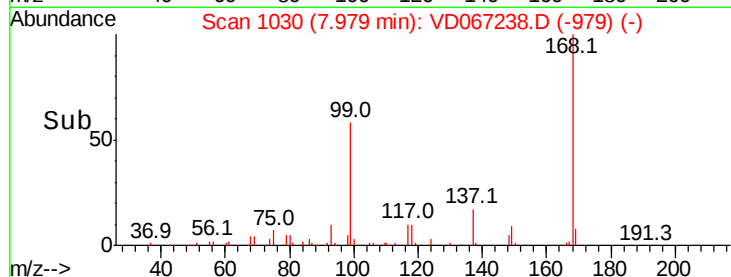
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067238.D

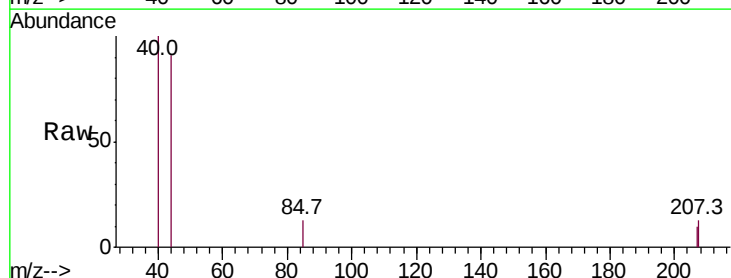
Acq: 12 Oct 2020 17:43

Tgt Ion: 85 Resp: 179

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

300

250

200

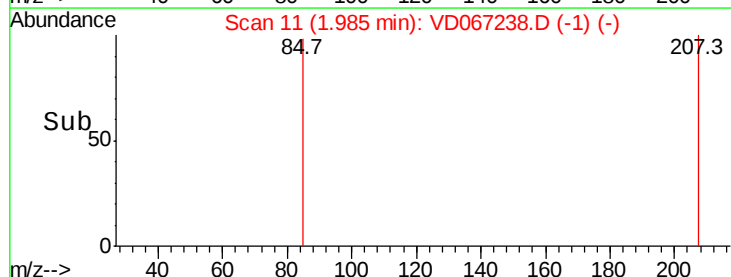
150

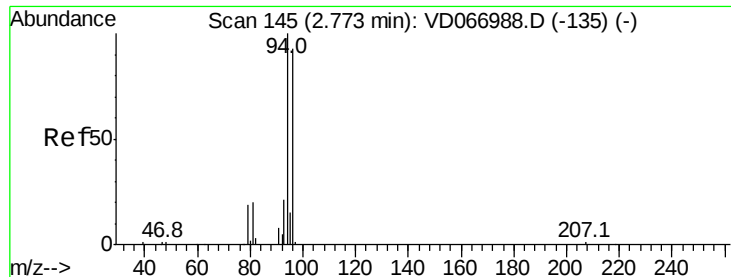
100

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: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

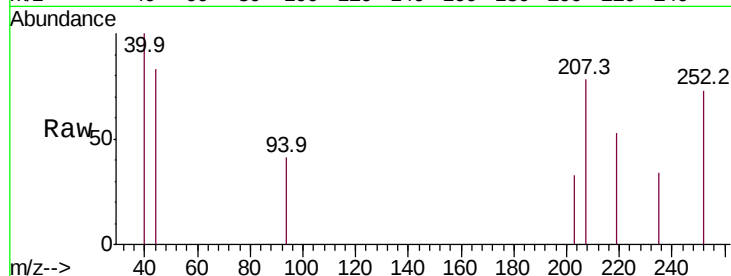
HD-5

Tot Ion: 94 Resp: 70

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

300

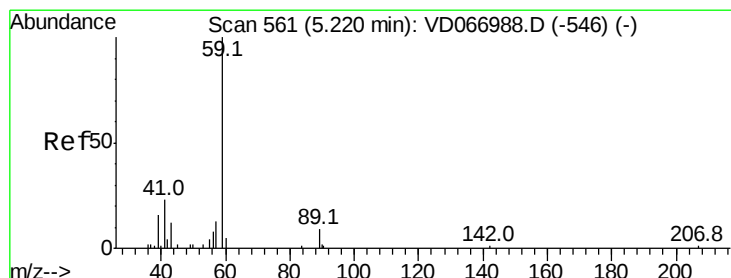
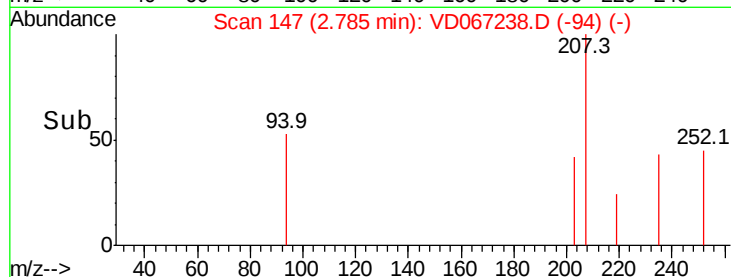
200

100

0

2.77 2.78 2.79 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067238.D

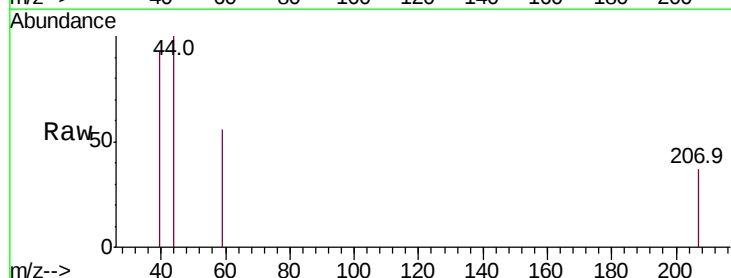
Acq: 12 Oct 2020 17:43

Tgt Ion: 59 Resp: 149

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

250

200

150

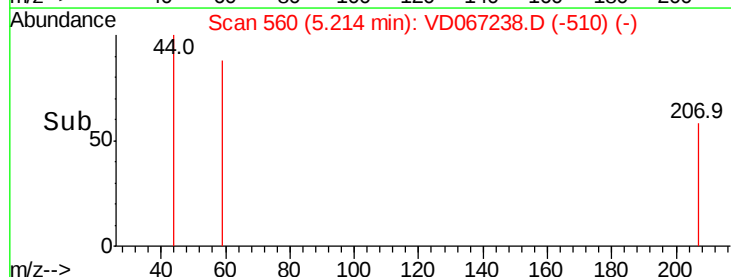
100

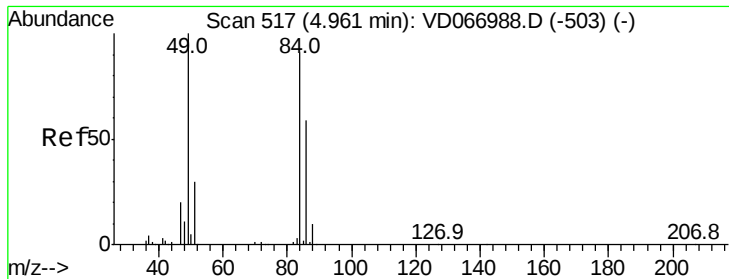
50

0

5.20 5.21 5.22 5.23 5.24

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

HD-5

Tot Ion: 84 Resp: 7518

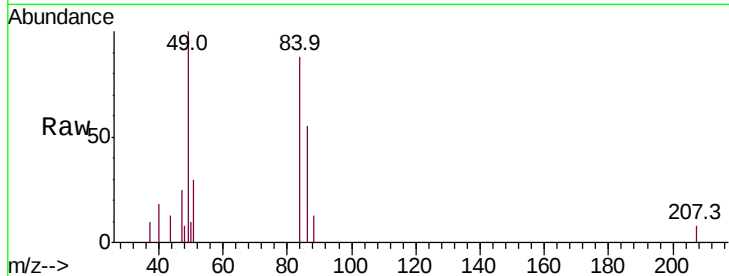
Ion Ratio Lower Upper

84 100

49 114.2 88.2 132.2

51 34.3 26.6 39.8

86 63.0 52.1 78.1

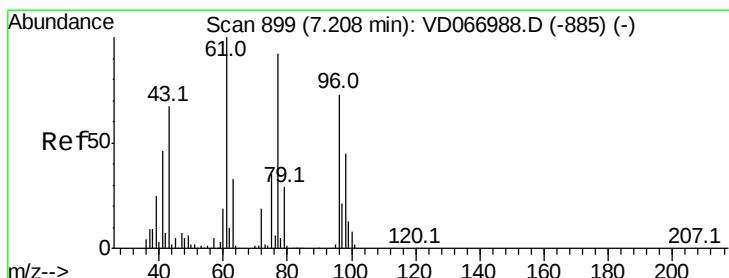
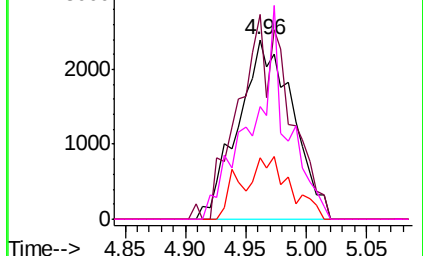
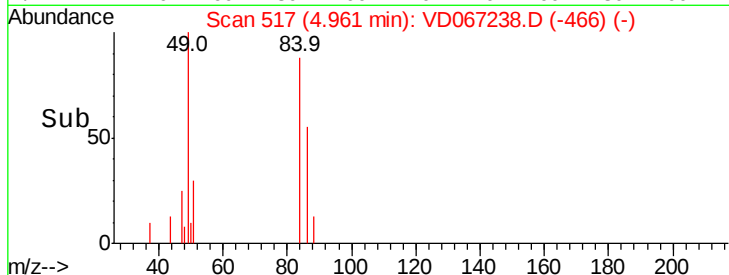


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067238.D

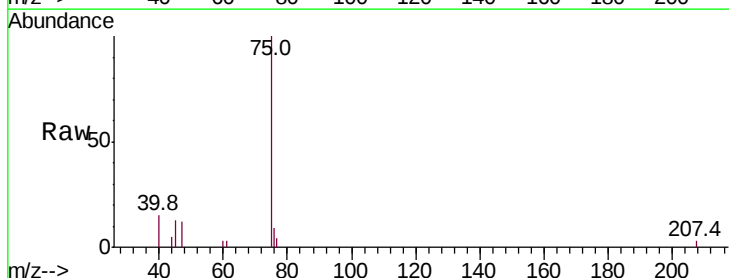
Acq: 12 Oct 2020 17:43

Tgt Ion: 77 Resp: 464

Ion Ratio Lower Upper

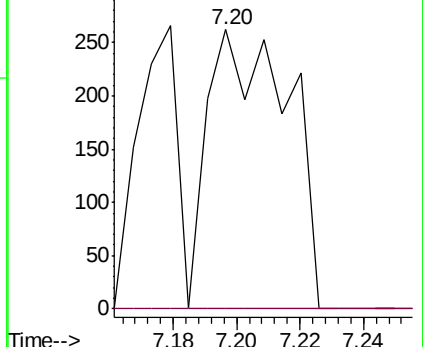
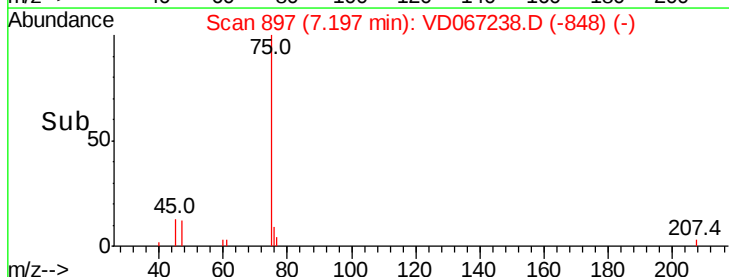
77 100

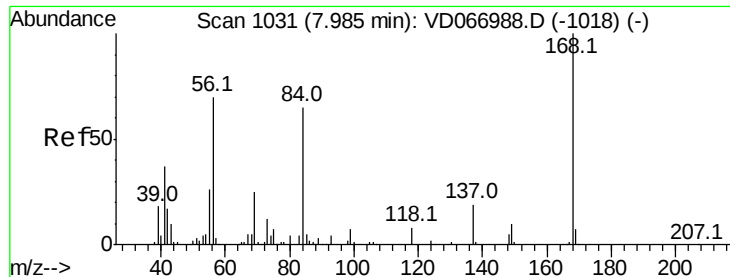
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

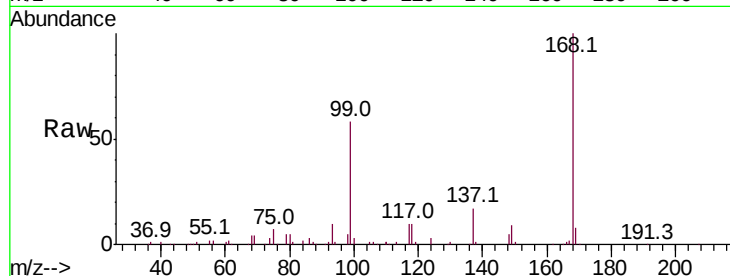




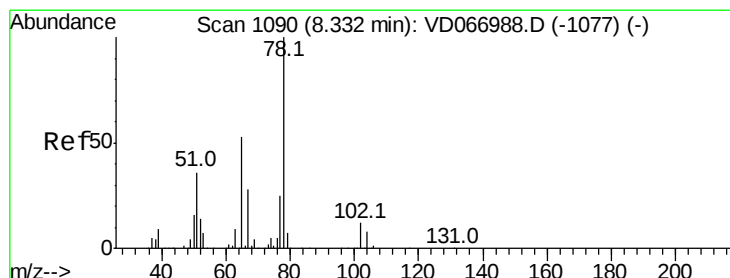
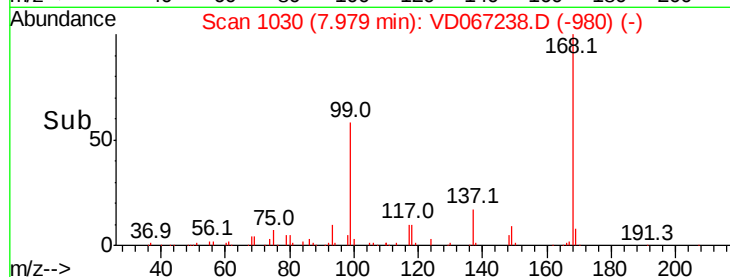
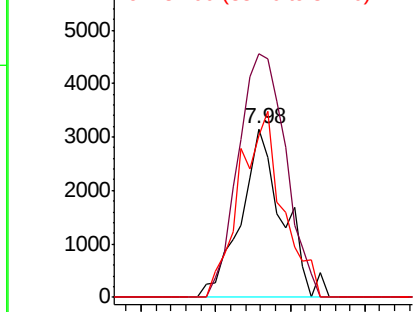
#31
Cvclohexane
Concen: 1.464 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

Instrument :
MSVOA_D
ClientSampleId :
HD-5

Tot Ion: 56 Resp: 6135
Ion Ratio Lower Upper
56 100
69 144.8 29.0 43.6#
84 96.1 74.2 111.2

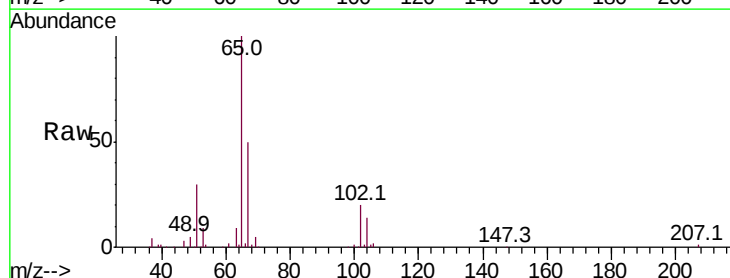


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

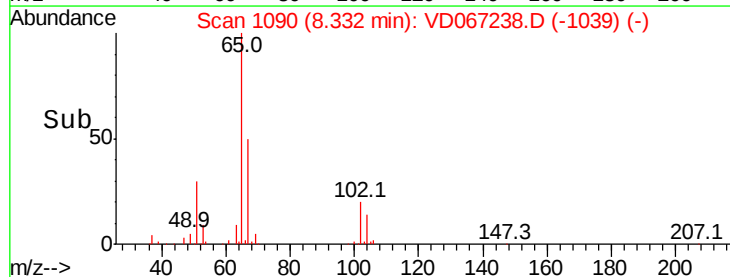
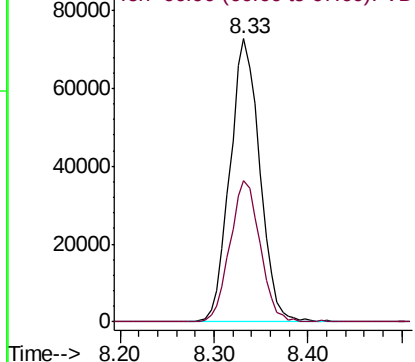


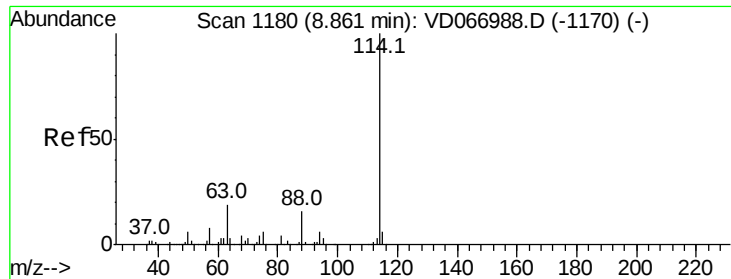
#33
1,2-Dichloroethane-d4
Concen: 57.631 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

Tgt Ion: 65 Resp: 160830
Ion Ratio Lower Upper
65 100
67 50.0 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: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

HD-5

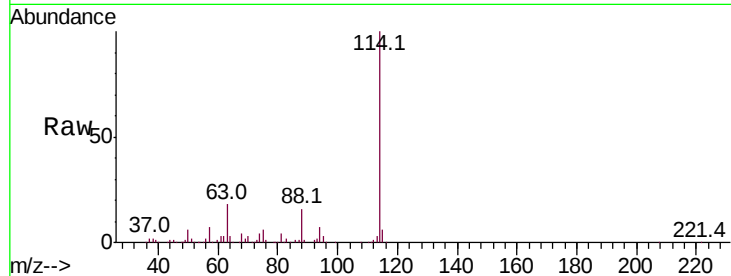
Tot Ion:114 Resp: 477728

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

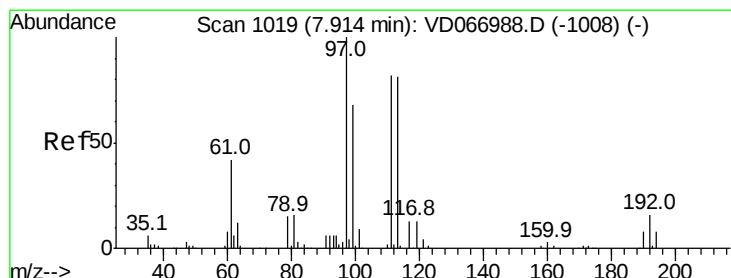
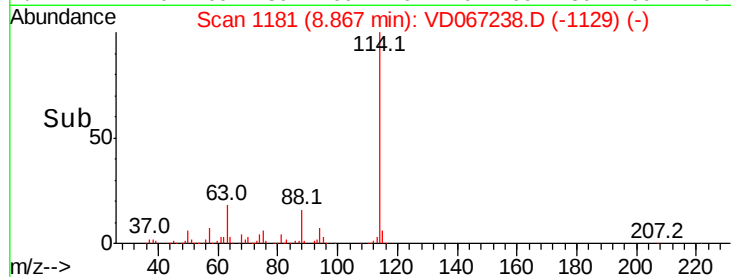
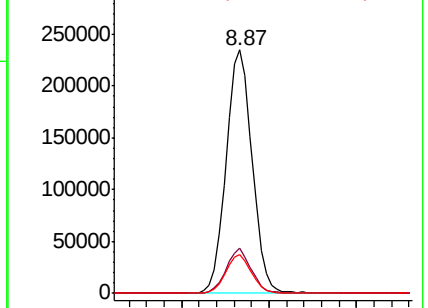
88 16.2 0.0 31.2



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: 52.080 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

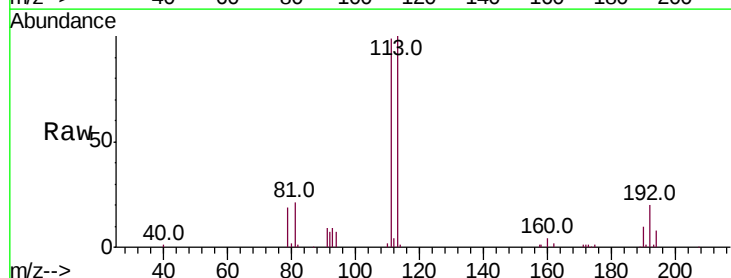
Tgt Ion:113 Resp: 162885

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

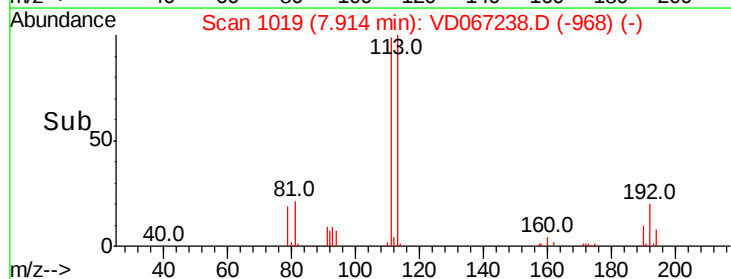
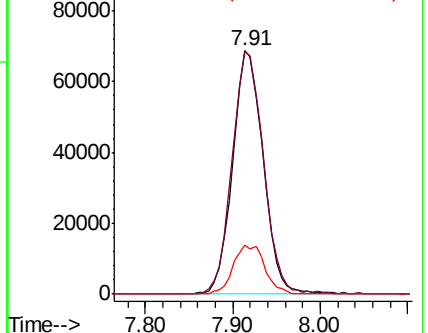
192 20.6 15.5 23.3

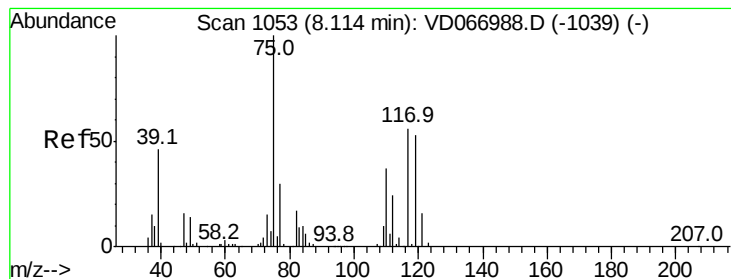


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.501 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

HD-5

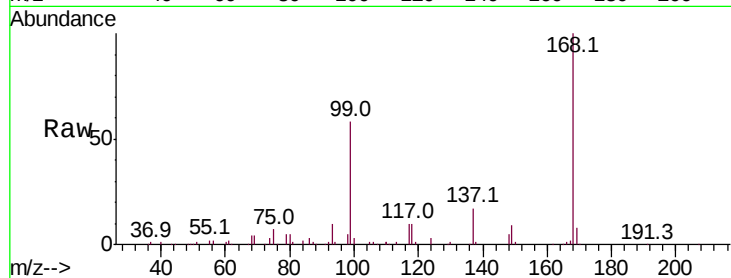
Tot Ion: 75 Resp: 20043

Ion Ratio Lower Upper

75 100

110 12.5 18.4 55.0#

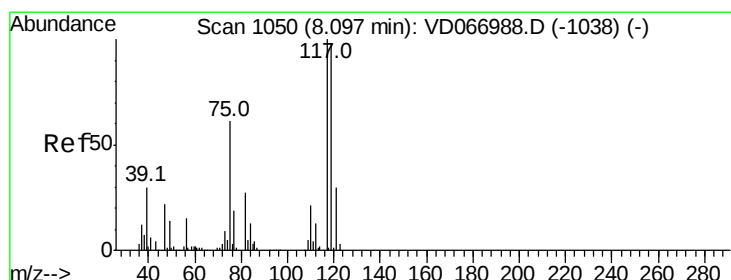
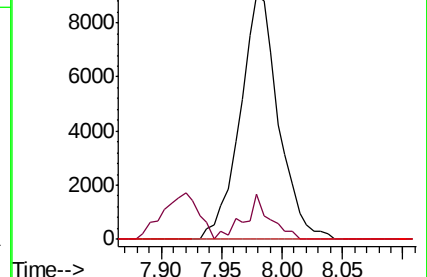
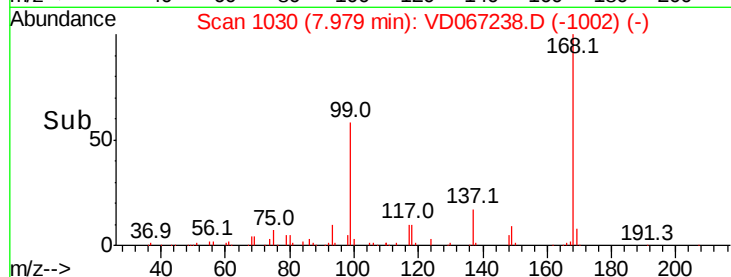
77 0.0 24.8 37.2#



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: 6.411 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

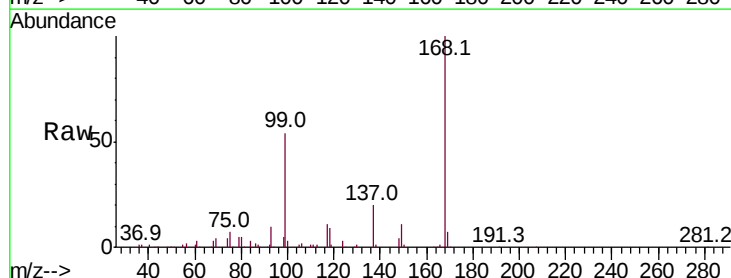
Tgt Ion: 117 Resp: 30890

Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

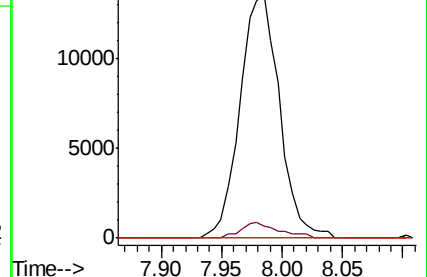
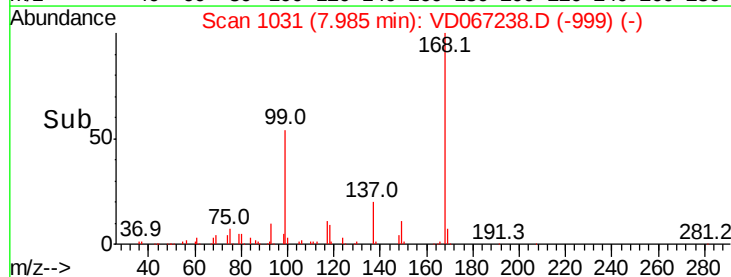
121 0.0 24.2 36.2#

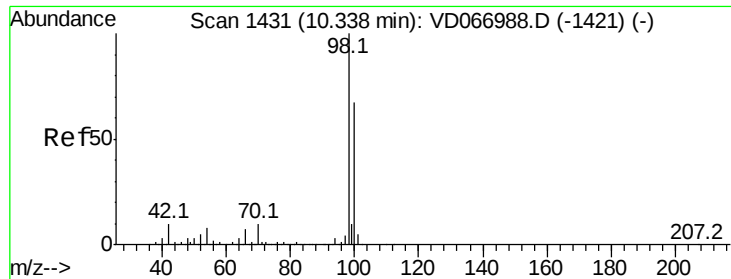


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

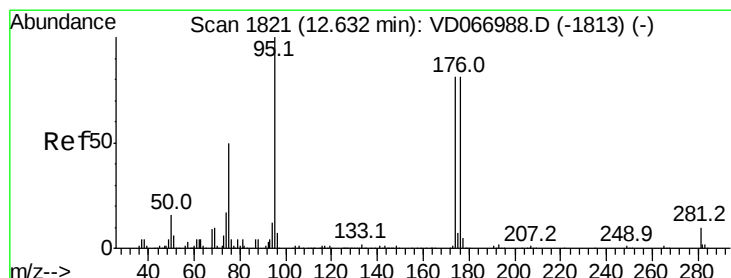
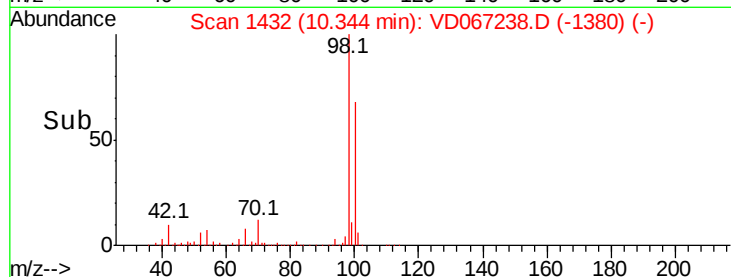
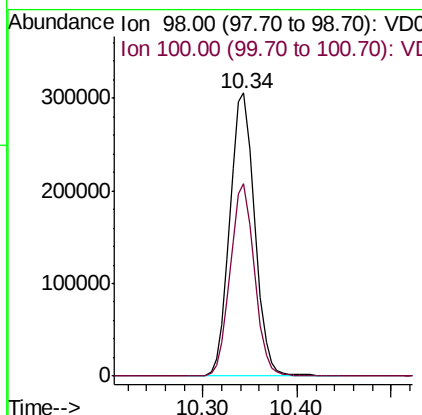
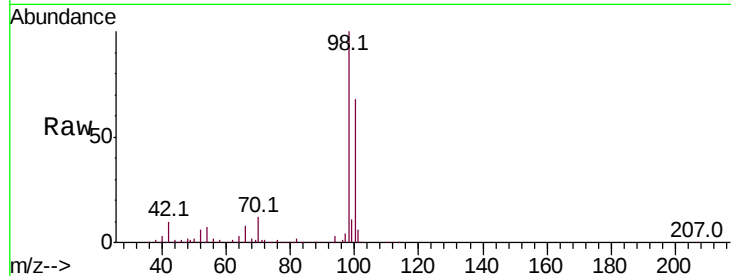




#50
Toluene-d8
Concen: 49.417 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

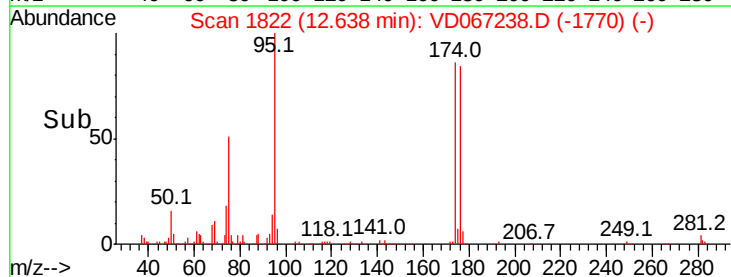
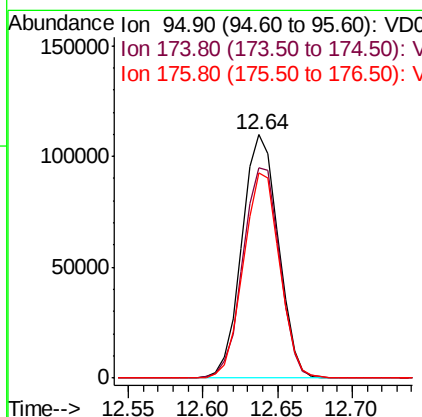
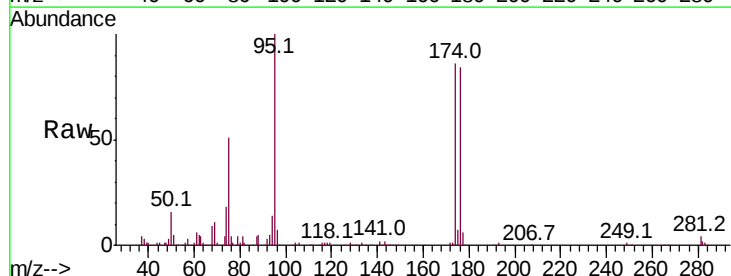
Instrument :
MSVOA_D
ClientSampleId :
HD-5

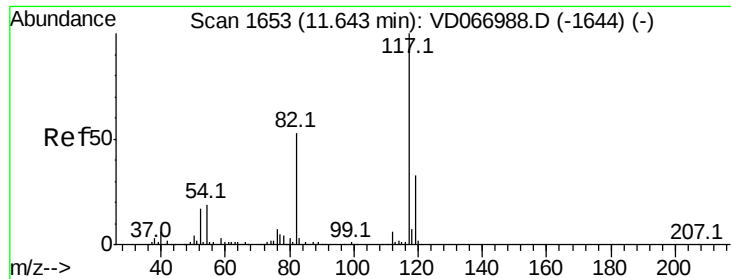
Tot Ion: 98 Resp: 563179
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

Tgt Ion: 95 Resp: 184920
Ion Ratio Lower Upper
95 100
174 87.3 0.0 167.6
176 84.0 0.0 162.4

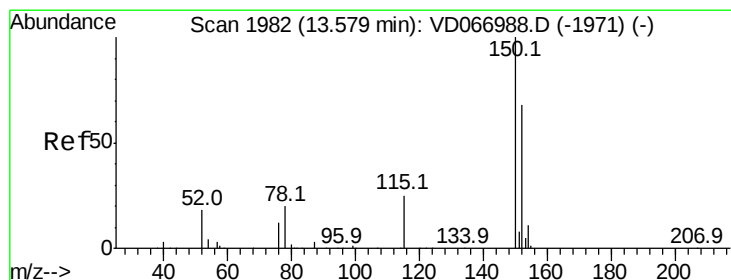
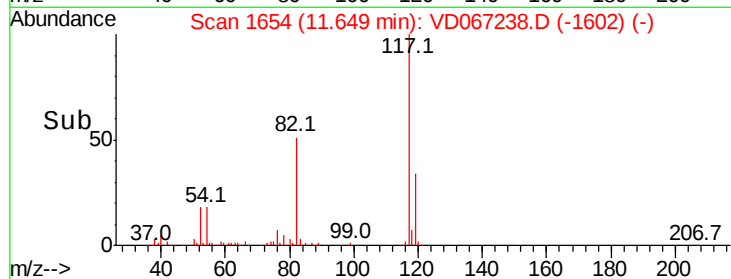
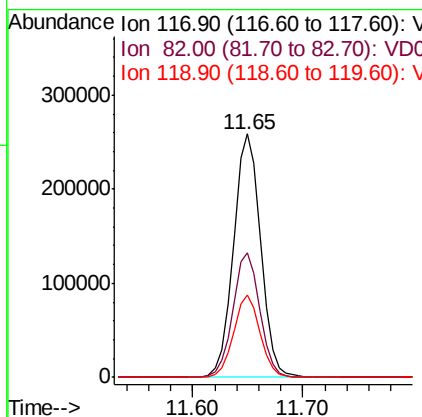
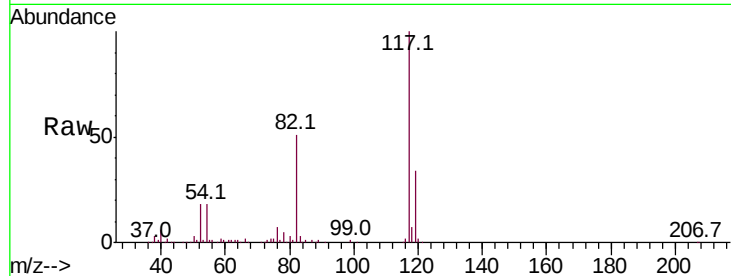




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

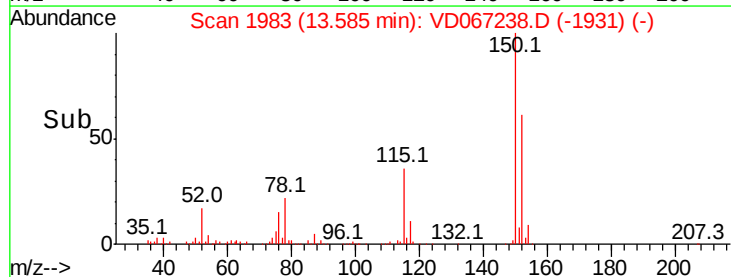
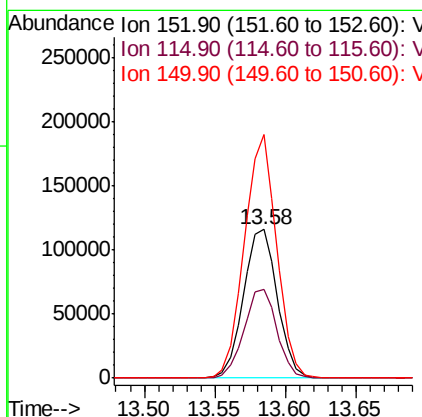
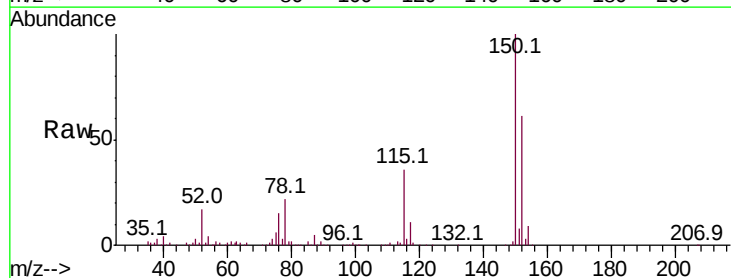
Instrument :
MSVOA_D
ClientSampleId :
HD-5

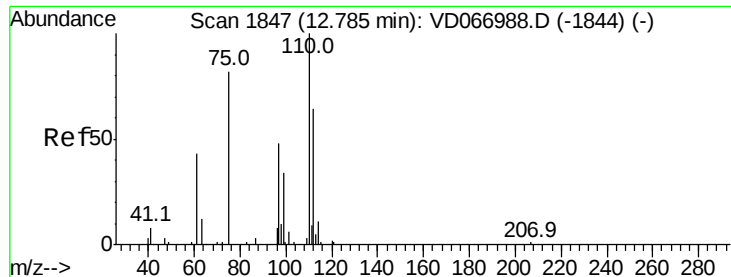
Tot Ion:117 Resp: 446538
Ion Ratio Lower Upper
117 100
82 51.2 42.6 63.8
119 33.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067238.D
Acq: 12 Oct 2020 17:43

Tgt Ion:152 Resp: 194291
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 156.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 54.982 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

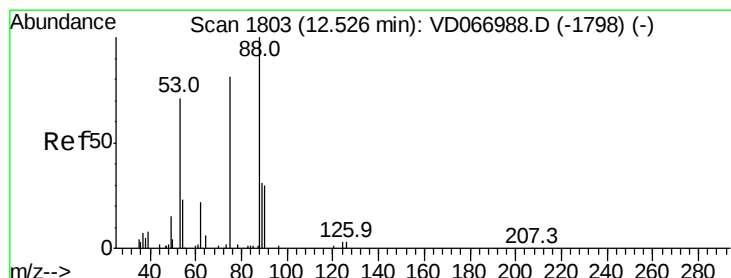
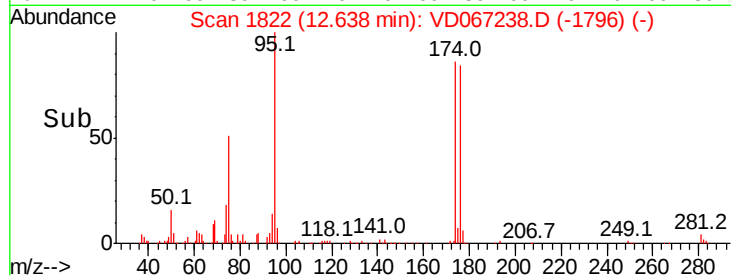
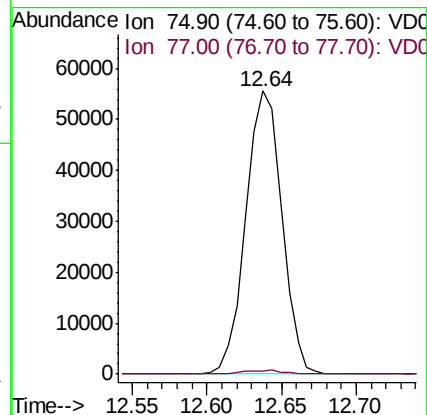
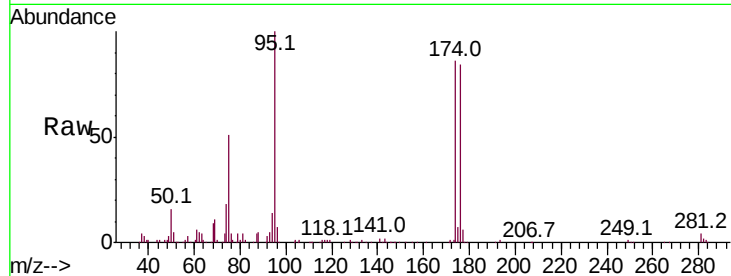
HD-5

Tot Ion: 75 Resp: 93049

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067238.D

Acq: 12 Oct 2020 17:43

Tgt Ion: 75 Resp: 93049

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

