

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067537.D
 Acq On : 05 Nov 2020 11:53
 Operator : VA/SY
 Sample : L4590-01
 Misc : 4.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 06 00:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	312888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	514314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265475	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	160495	58.66	ug/l	0.00
Spiked Amount						
			Recovery	=		117.32%
35) Dibromofluoromethane	7.92	113	160006	51.64	ug/l	0.00
Spiked Amount						
			Recovery	=		103.28%
50) Toluene-d8	10.34	98	592748	54.43	ug/l	0.00
Spiked Amount						
			Recovery	=		108.86%
62) 4-Bromofluorobenzene	12.64	95	220866	58.75	ug/l	0.00
Spiked Amount						
			Recovery	=		117.50%

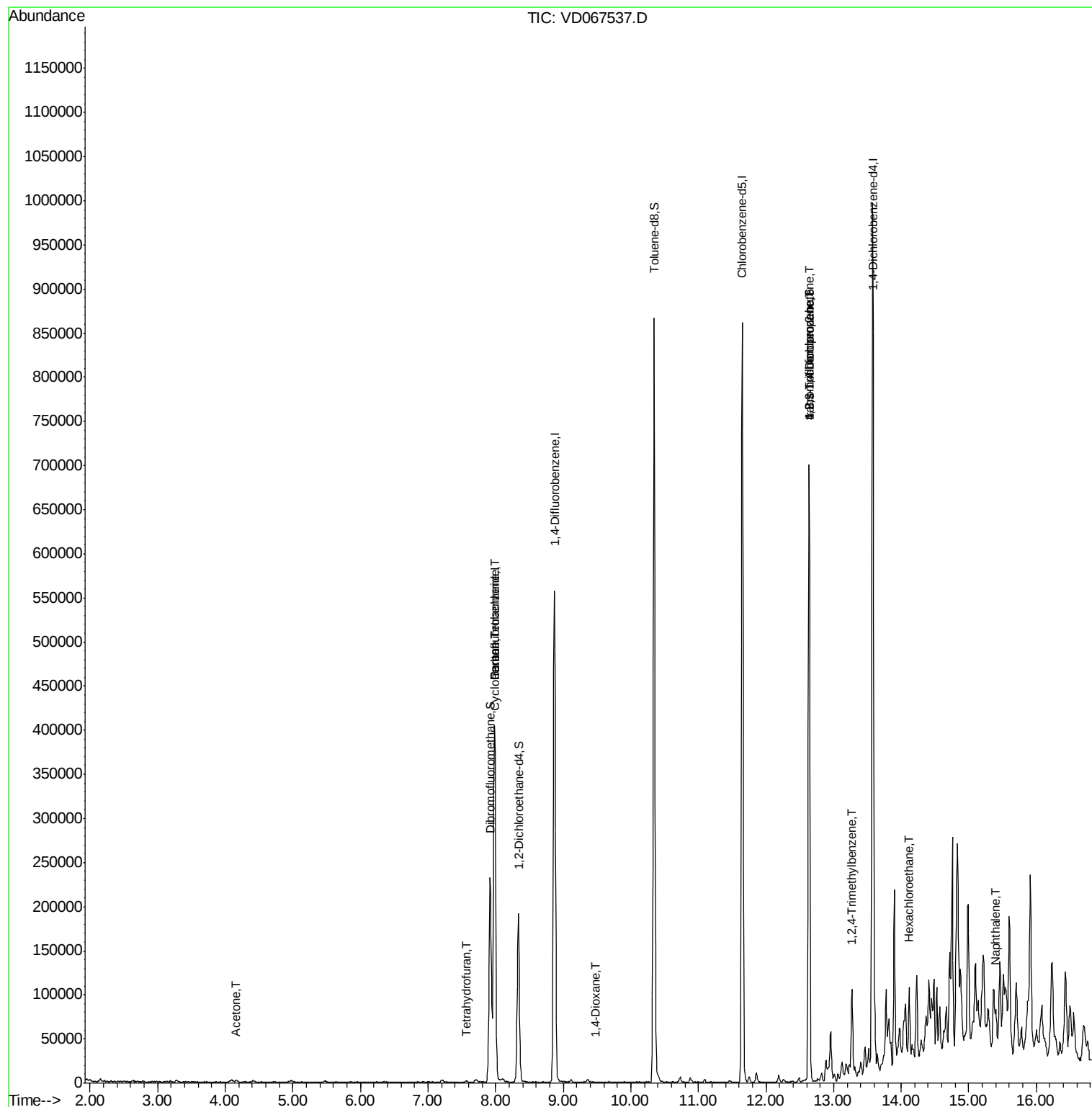
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1131	Below Cal		75
11) Tert butyl alcohol	5.20	59	73	Below Cal	#	79
16) Acetone	4.16	43	4625	11.297	ug/l #	77
29) Tetrahydrofuran	7.57	42	541	2.065	ug/l #	39
31) Cyclohexane	8.00	56	7181	1.810	ug/l #	73
38) Carbon Tetrachloride	7.98	117	31614	5.527	ug/l #	17
49) 1,4-Dioxane	9.47	88	59	3.545	ug/l #	31
76) 1,2,3-Trichloropropane	12.64	75	111306	69.501	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111306	141.106	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	52257	3.582	ug/l	95
90) Hexachloroethane	14.12	117	5058	1.659	ug/l #	16
95) Naphthalene	15.40	128	23437	3.216	ug/l #	92

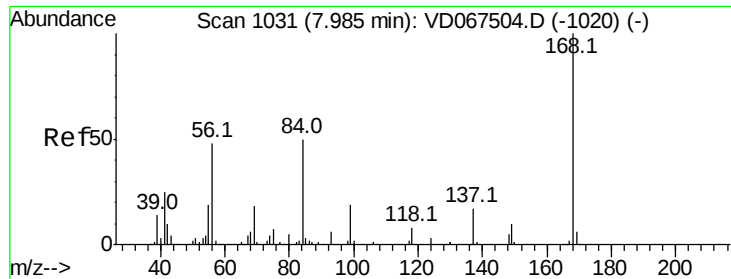
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
Data File : VD067537.D
Acq On : 05 Nov 2020 11:53
Operator : VA/SY
Sample : L4590-01
Misc : 4.67G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 06 00:15:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

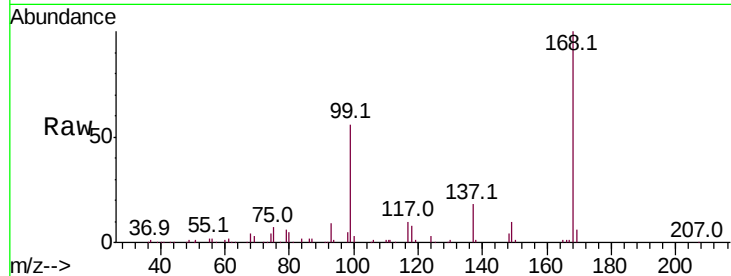
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 312888

Ion Ratio Lower Upper

168 100

99 55.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

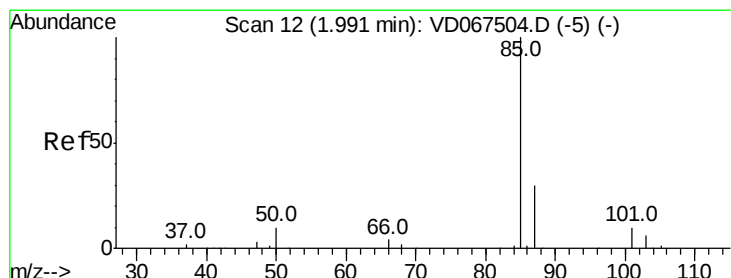
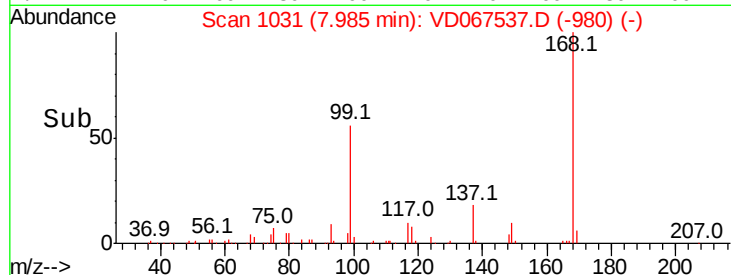
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067537.D

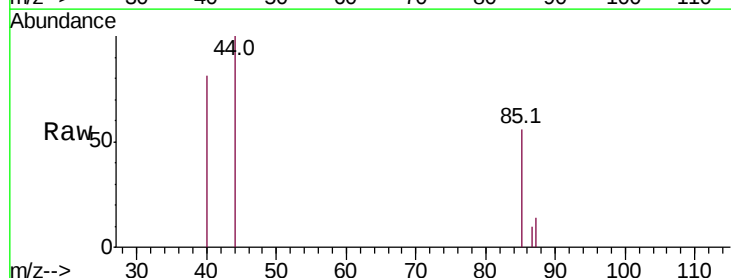
Acq: 05 Nov 2020 11:53

Tgt Ion: 85 Resp: 1131

Ion Ratio Lower Upper

85 100

87 44.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

600

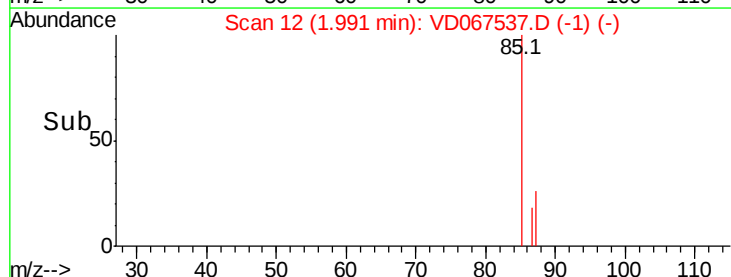
400

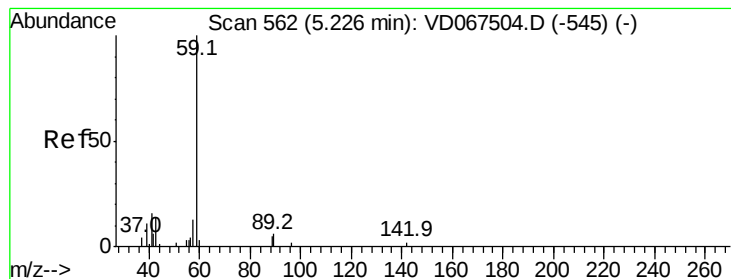
200

0

Time-->

1.94 1.96 1.98 2.00 2.02



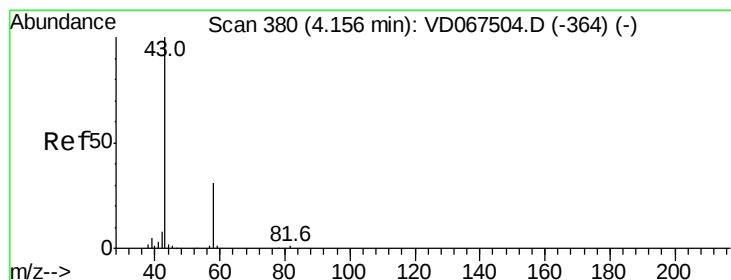
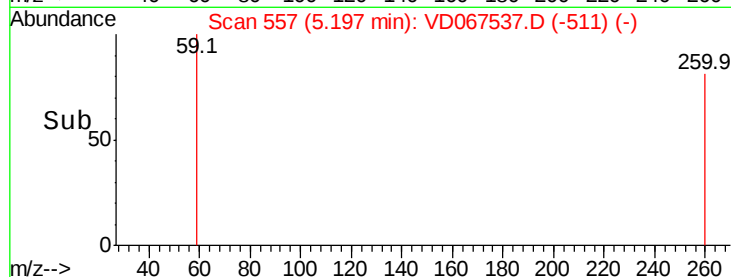
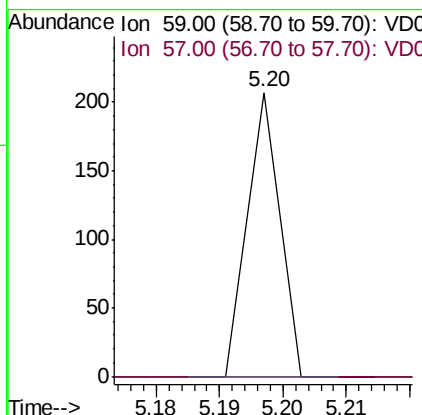
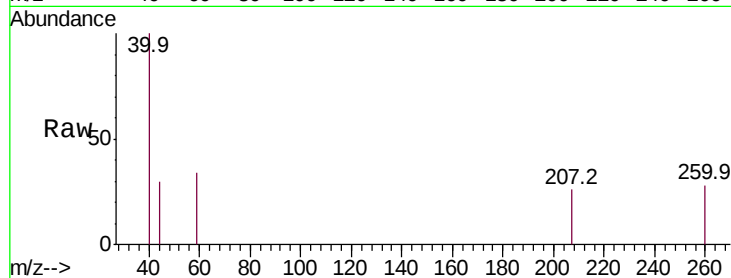


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD067537.D
 Acq: 05 Nov 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :

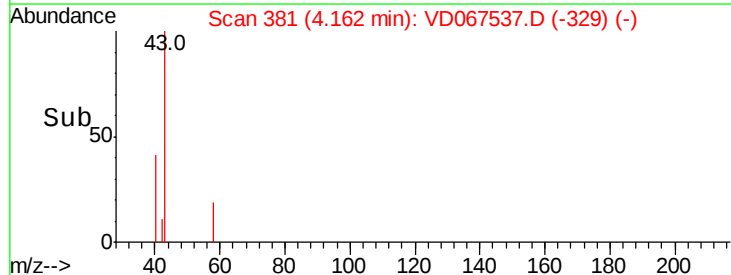
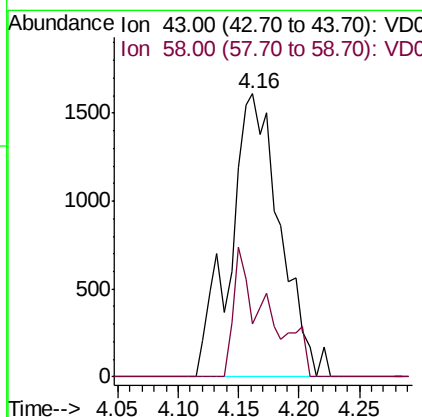
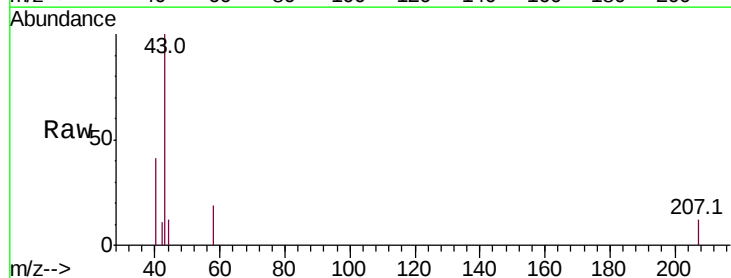
Tot Ion: 59 Resp: 73
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

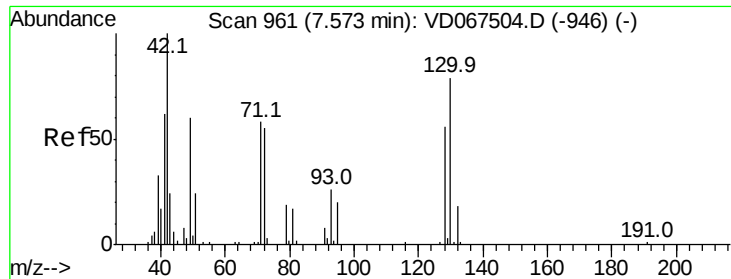


#16

Acetone
 Concen: 11.297 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067537.D
 Acq: 05 Nov 2020 11:53

Tgt Ion: 43 Resp: 4625
 Ion Ratio Lower Upper
 43 100
 58 18.8 25.2 37.8#





#29

Tetrahydrofuran

Concen: 2.065 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

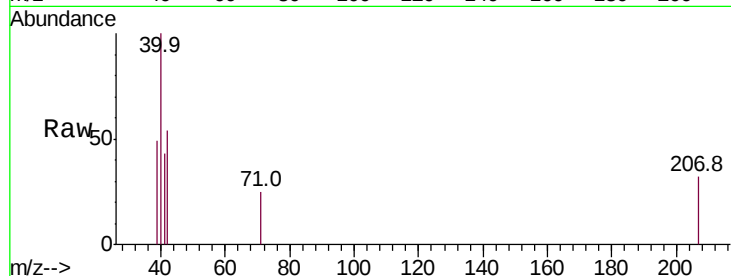
Tot Ion: 42 Resp: 541

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

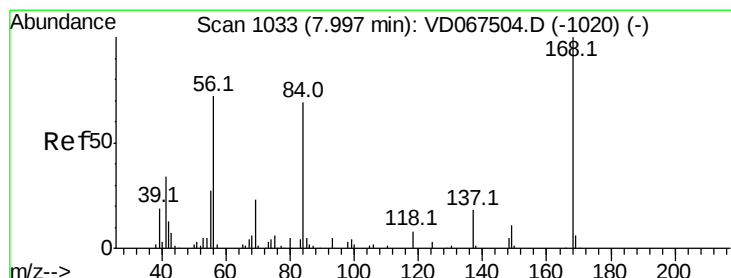
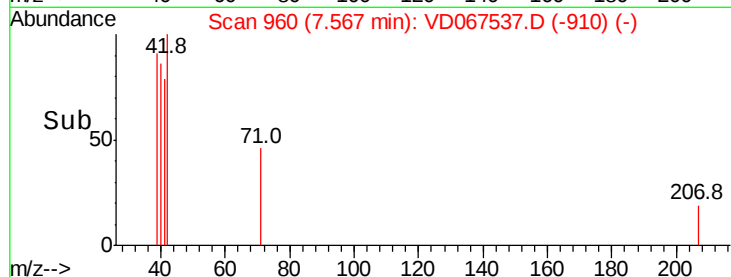
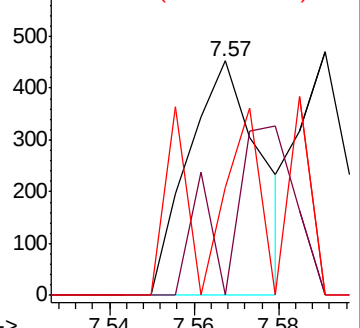
71 23.7 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.810 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

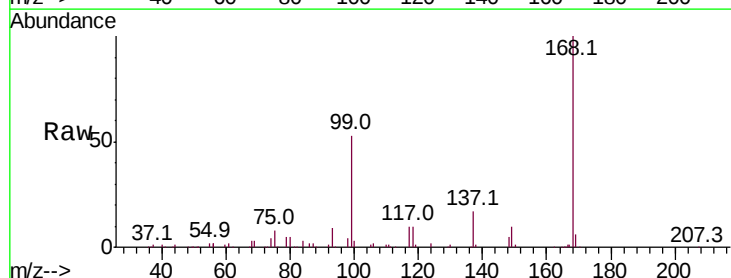
Tgt Ion: 56 Resp: 7181

Ion Ratio Lower Upper

56 100

69 89.9 25.9 38.9#

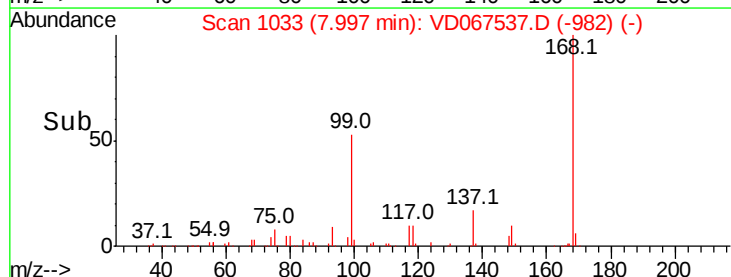
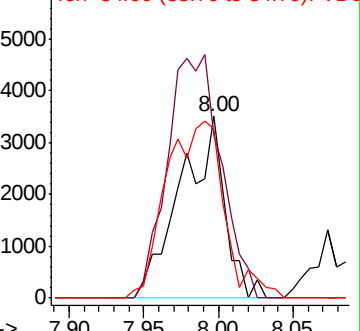
84 93.6 76.2 114.4

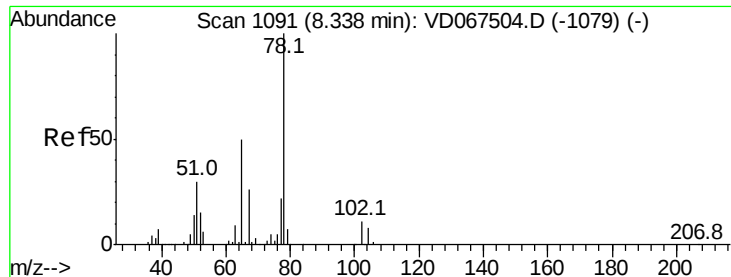


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.663 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

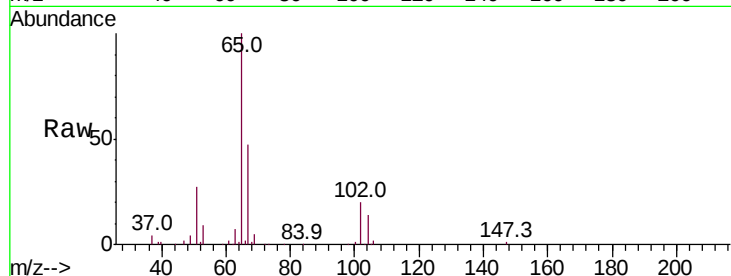
ClientSampleId :

Tot Ion: 65 Resp: 160495

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

60000

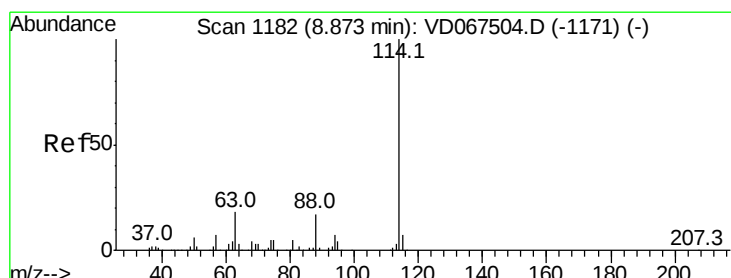
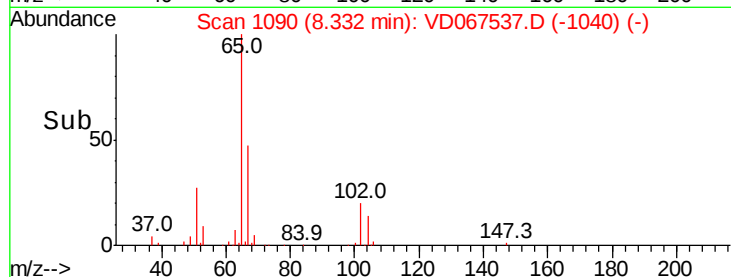
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

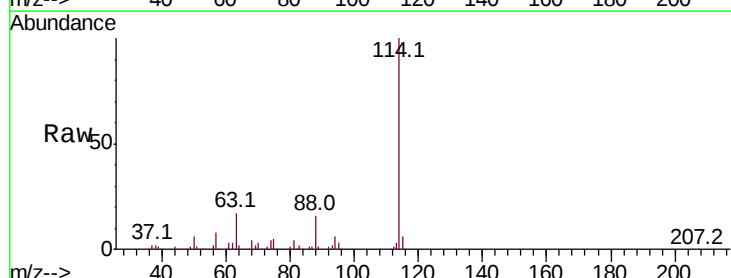
Tgt Ion: 114 Resp: 514314

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 15.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

300000

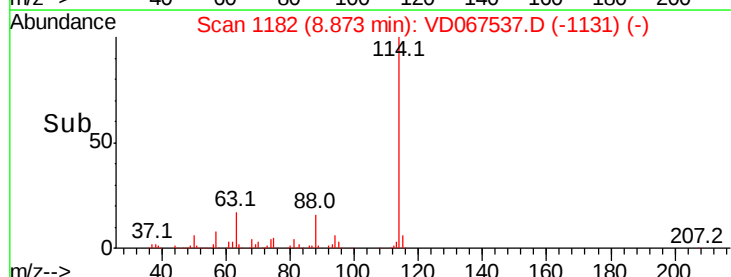
200000

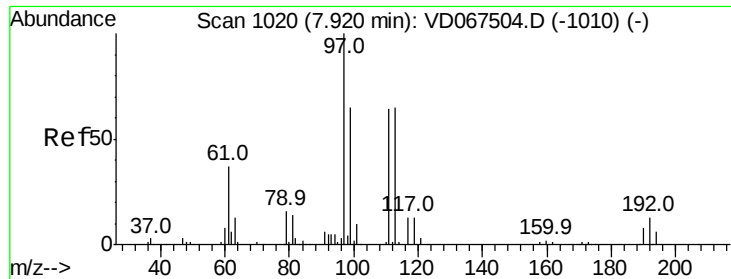
100000

0

8.80 8.90 9.00

Time-->

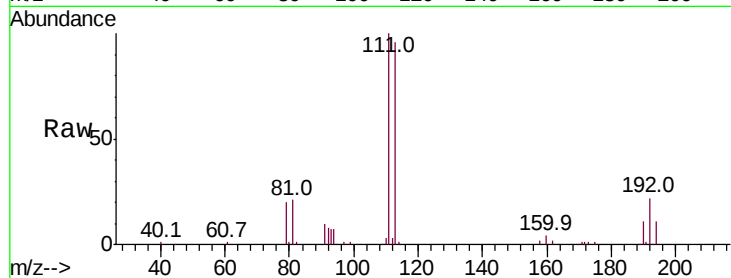




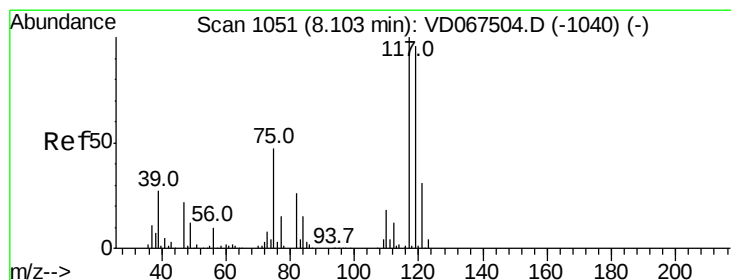
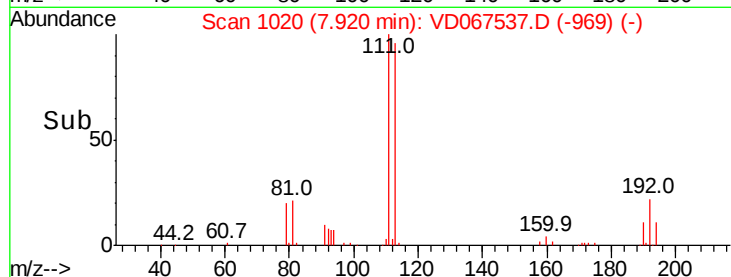
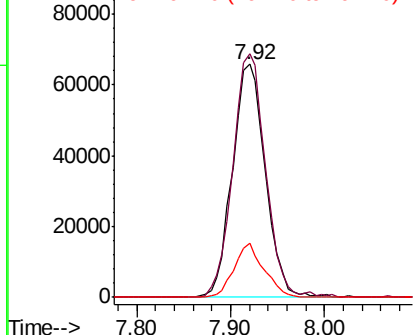
#35
 Dibromofluoromethane
 Concen: 51.636 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067537.D
 Acq: 05 Nov 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.0	120.0
192	21.1	16.3	24.5

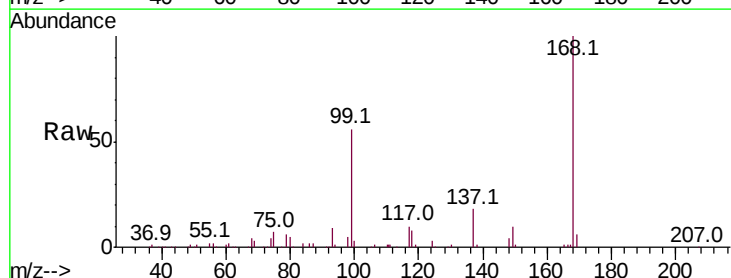


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

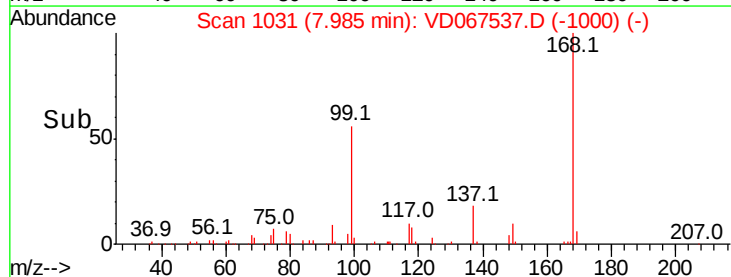
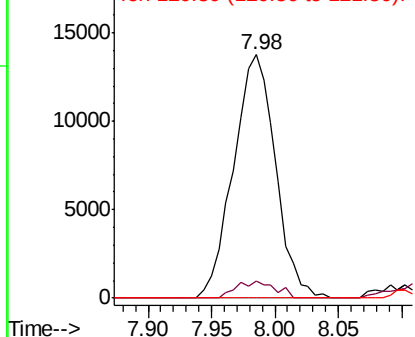


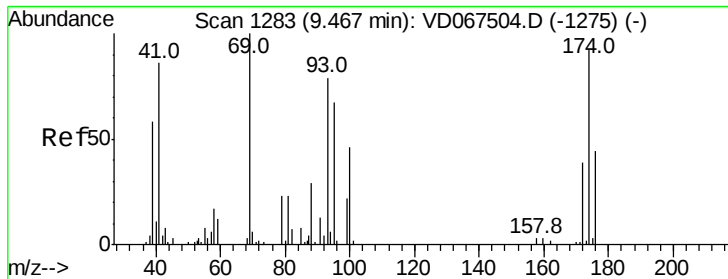
#38
 Carbon Tetrachloride
 Concen: 5.527 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067537.D
 Acq: 05 Nov 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.9	115.3#
121	0.0	24.5	36.7#



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





#49

1,4-Dioxane

Concen: 3.545 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

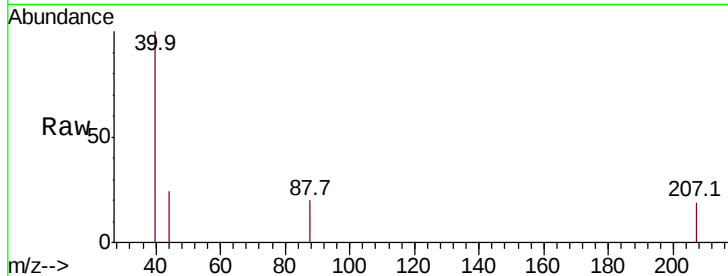
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

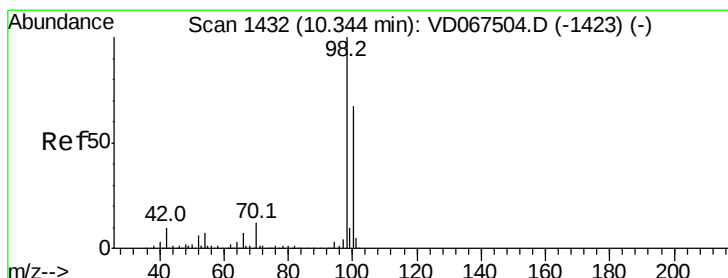
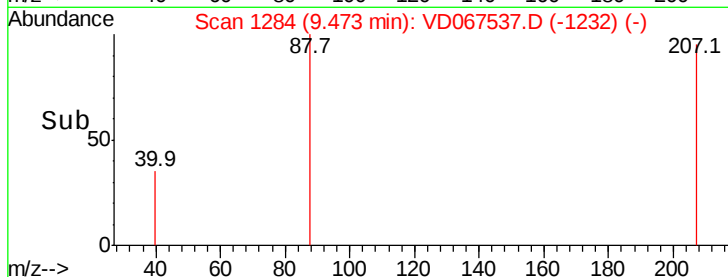
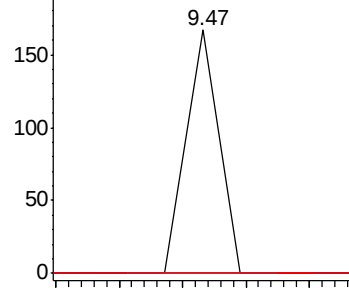
58 0.0 44.7 67.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.432 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067537.D

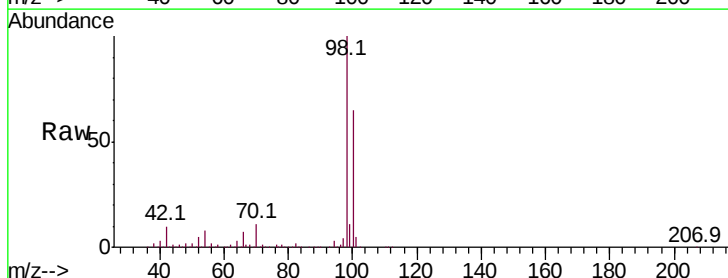
Acq: 05 Nov 2020 11:53

Tgt Ion: 98 Resp: 592748

Ion Ratio Lower Upper

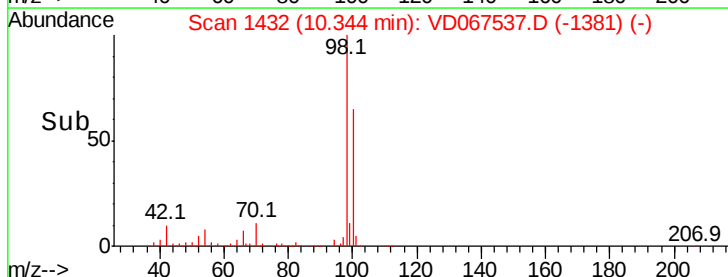
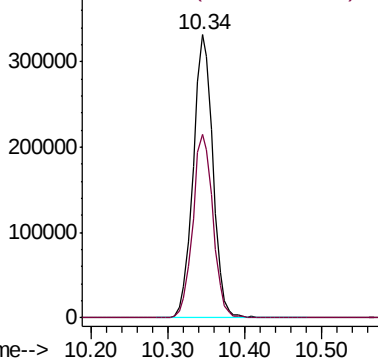
98 100

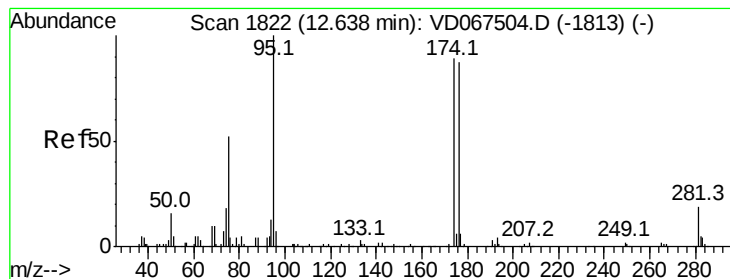
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 58.747 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

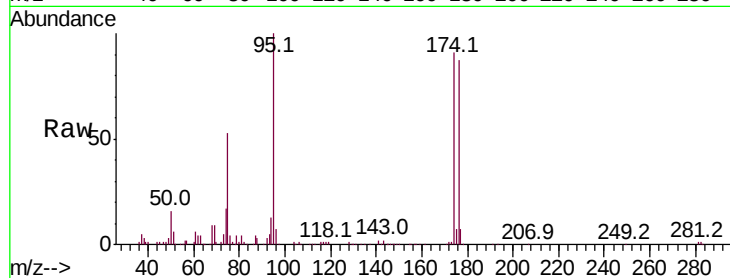
Tot Ion: 95 Resp: 220866

Ion Ratio Lower Upper

95 100

174 89.7 0.0 177.8

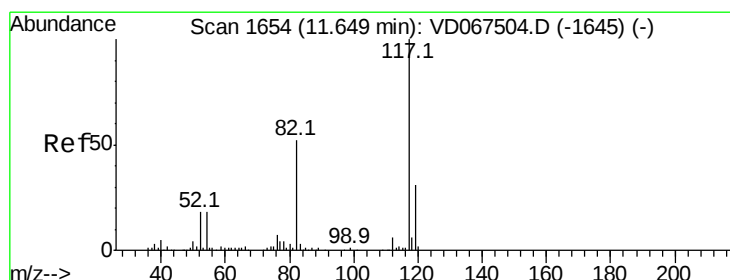
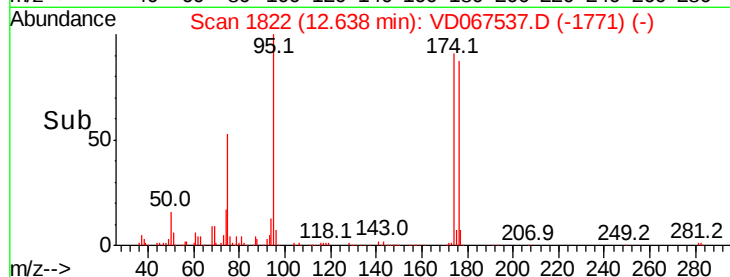
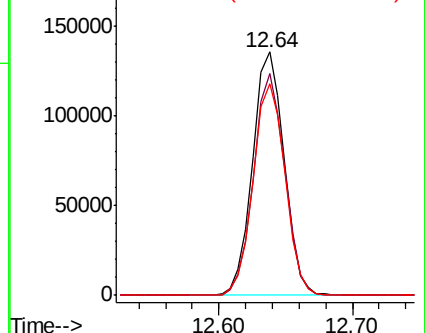
176 87.3 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

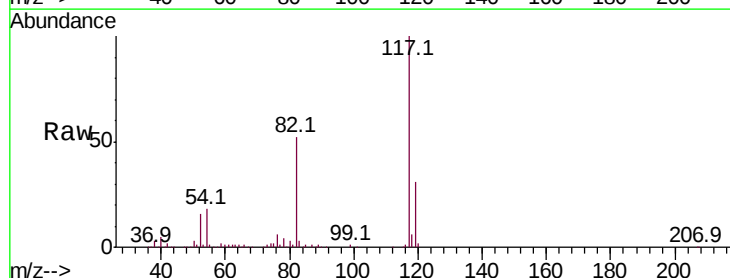
Tgt Ion: 117 Resp: 507876

Ion Ratio Lower Upper

117 100

82 52.0 41.6 62.4

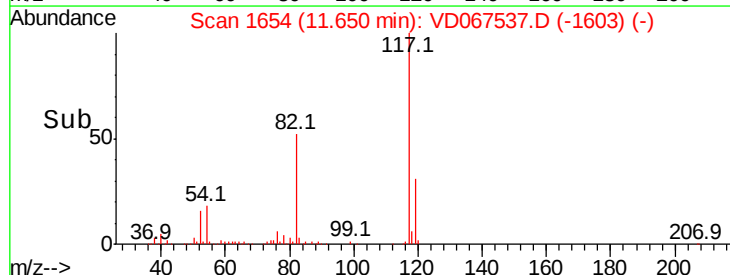
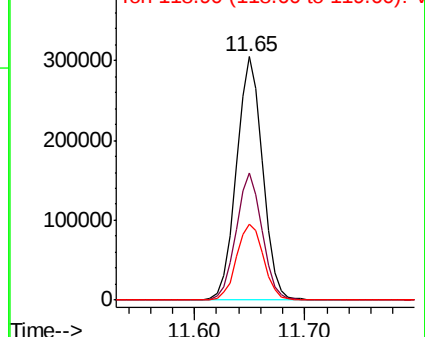
119 31.3 25.1 37.7

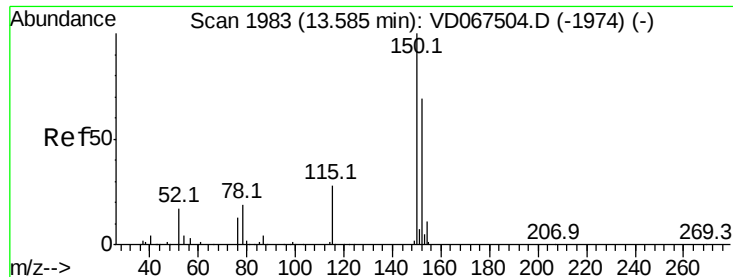


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

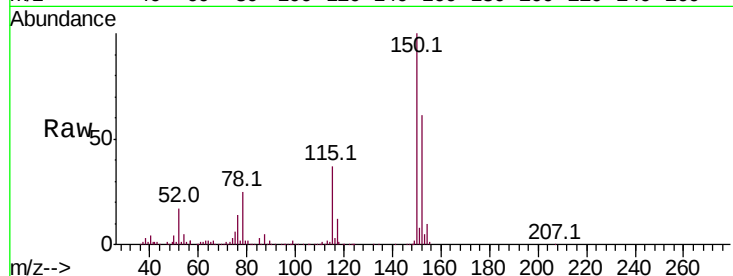
Tot Ion:152 Resp: 265475

Ion Ratio Lower Upper

152 100

115 60.4 29.3 88.0

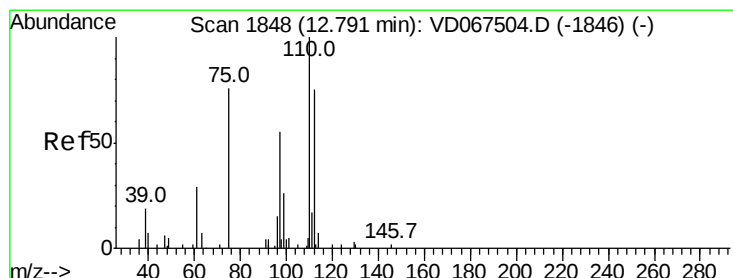
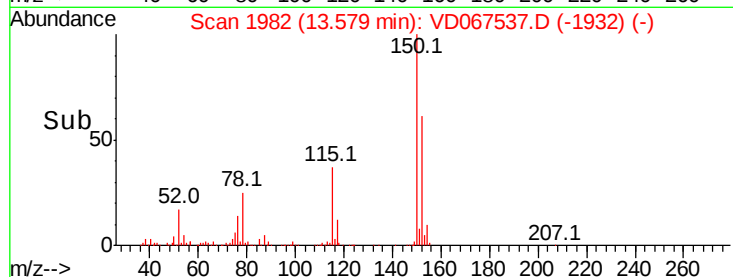
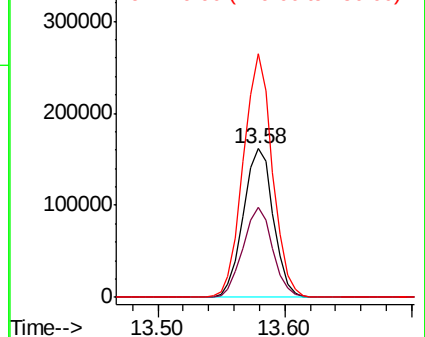
150 158.6 0.0 338.2



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: 69.501 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067537.D

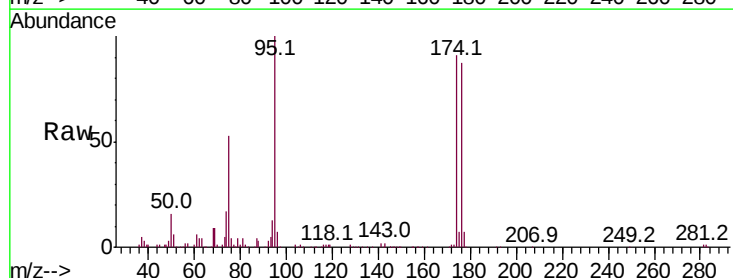
Acq: 05 Nov 2020 11:53

Tgt Ion: 75 Resp: 111306

Ion Ratio Lower Upper

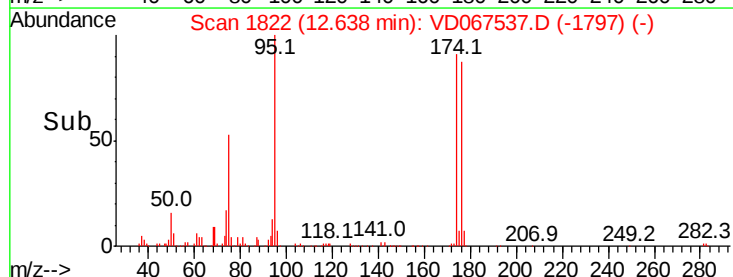
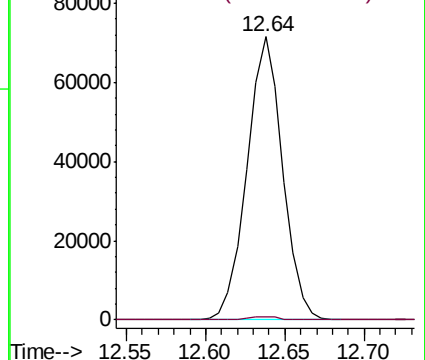
75 100

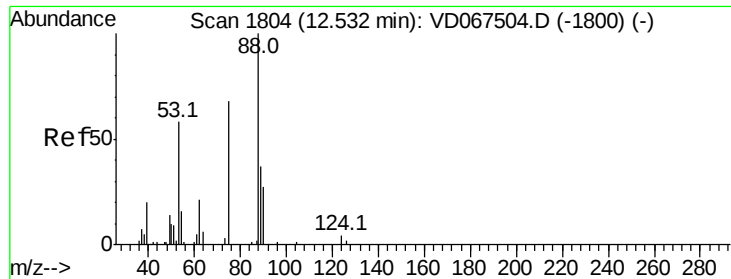
77 1.1 0.0 0.0#



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: 141.106 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

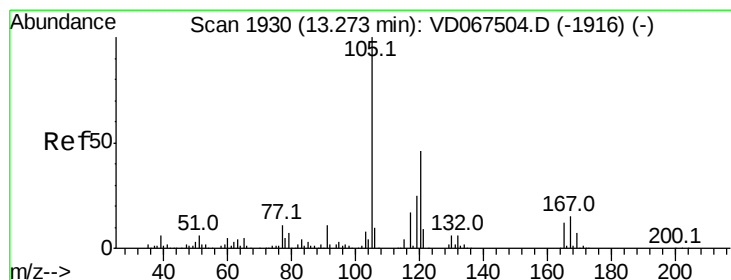
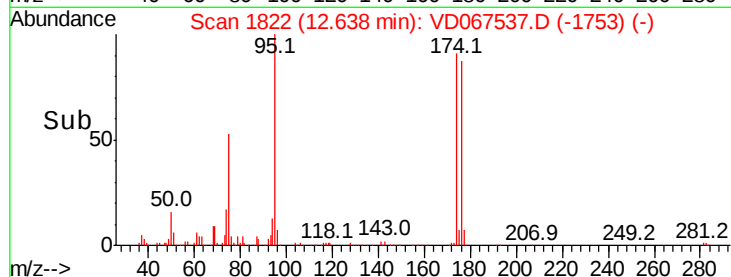
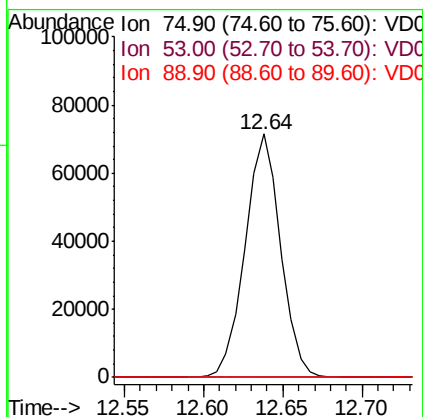
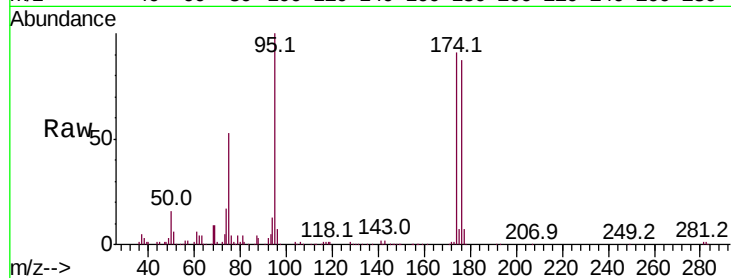
Tot Ion: 75 Resp: 111306

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#



#84

1,2,4-Trimethylbenzene

Concen: 3.582 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067537.D

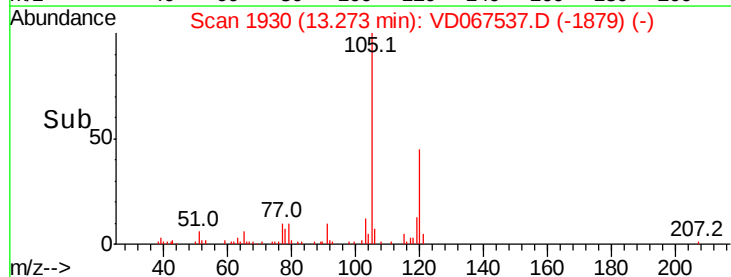
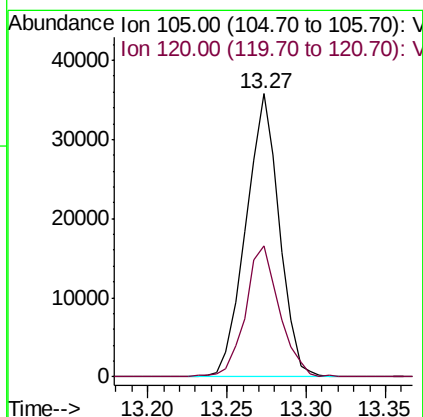
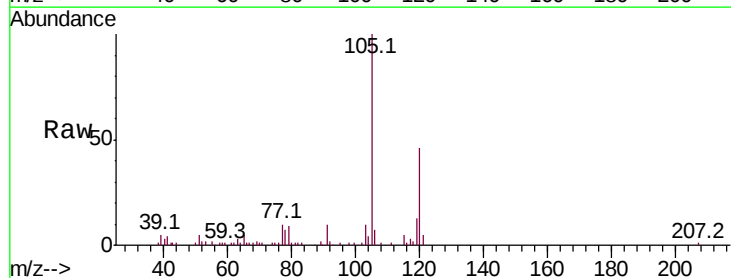
Acq: 05 Nov 2020 11:53

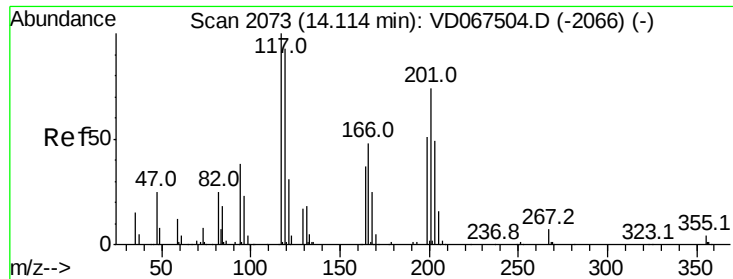
Tgt Ion:105 Resp: 52257

Ion Ratio Lower Upper

105 100

120 47.3 22.1 66.1





#90

Hexachloroethane

Concen: 1.659 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Instrument :

MSVOA_D

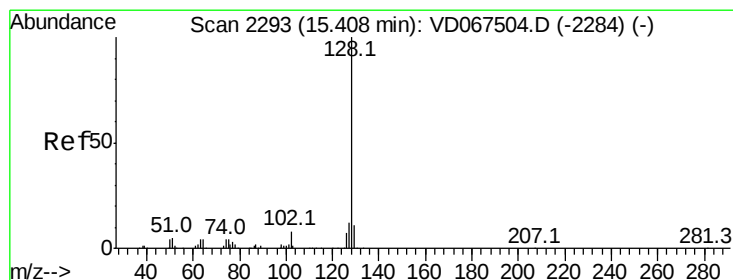
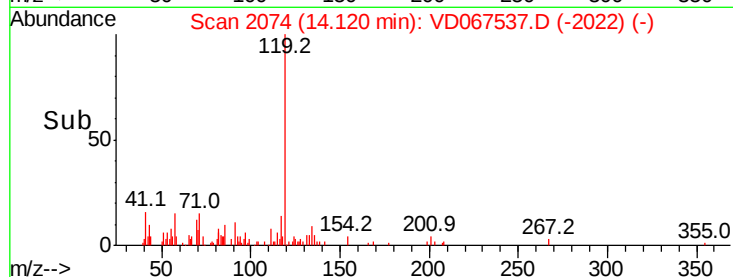
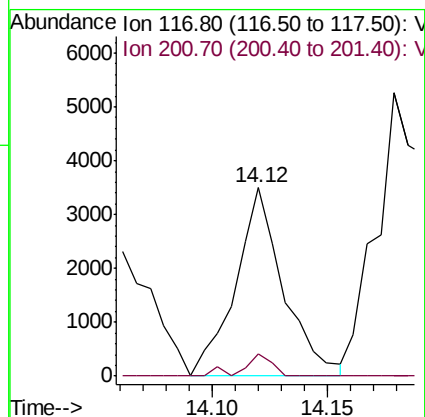
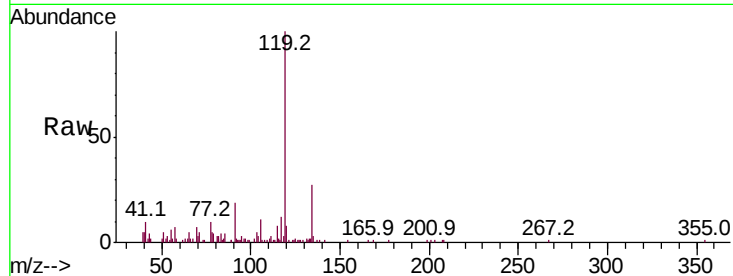
ClientSampled :

Tot Ion:117 Resp: 5058

Ion Ratio Lower Upper

117 100

201 6.8 40.7 122.1#



#95

Naphthalene

Concen: 3.216 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067537.D

Acq: 05 Nov 2020 11:53

Tgt Ion:128 Resp: 23437

Ion Ratio Lower Upper

128 100

127 18.1 10.2 15.4#

129 10.5 8.9 13.3

