

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067377.D
 Acq On : 23 Oct 2020 12:58
 Operator : VA/SY
 Sample : L4488-04
 Misc : 5.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 202

Quant Time: Oct 24 07:19:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	329589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	521385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	168589	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	7.92	113	166650	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.34	98	615248	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.64	95	217068	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

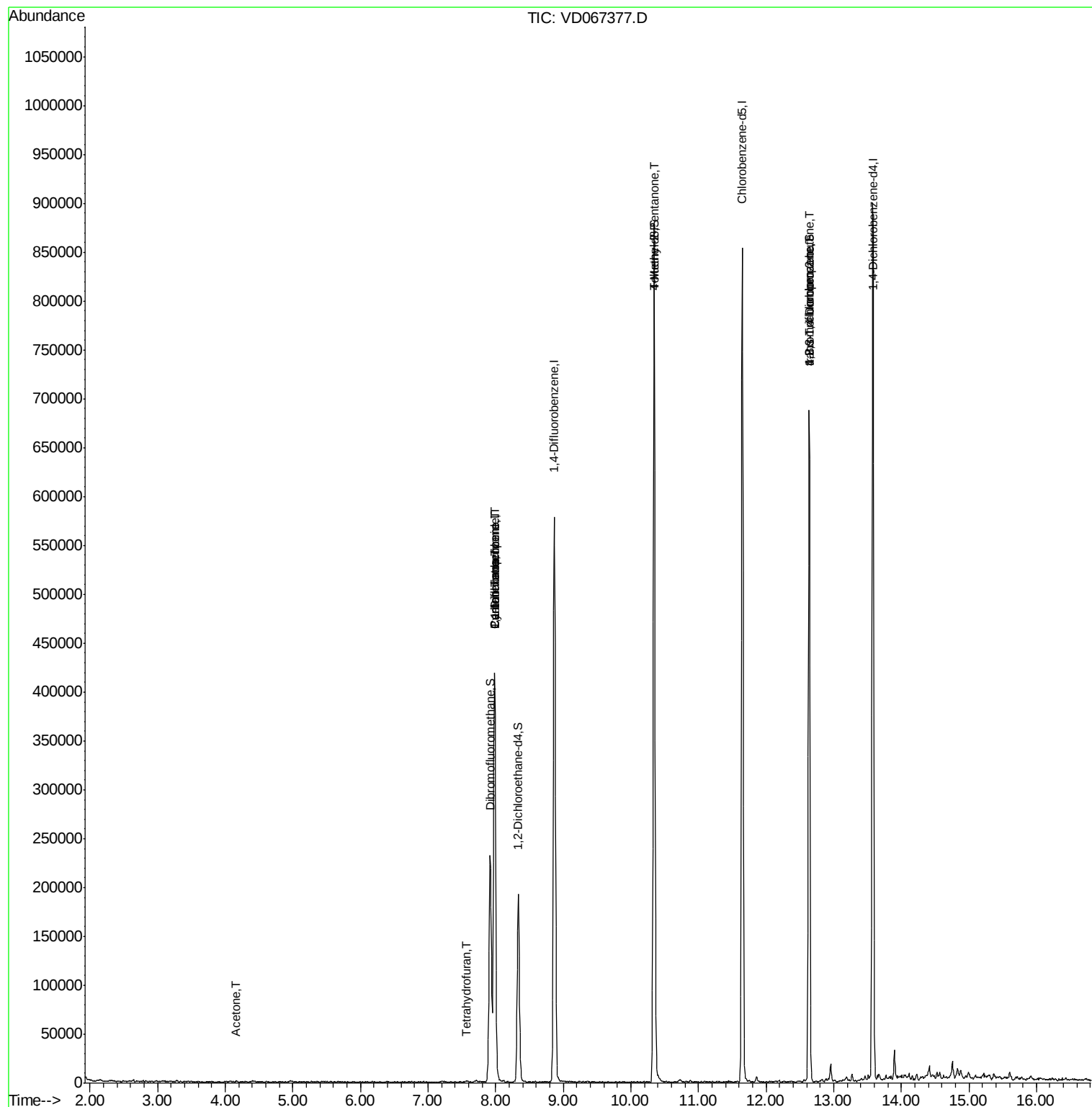
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	430	Below Cal	#	44
5) Bromomethane	2.79	94	222	Below Cal		84
16) Acetone	4.16	43	1481	3.203	ug/l #	87
20) Methylene Chloride	4.96	84	1346	Below Cal	#	80
29) Tetrahydrofuran	7.56	42	1101	3.757	ug/l #	72
31) Cyclohexane	7.98	56	6516	1.713	ug/l #	30
36) 1,1-Dichloropropene	7.99	75	22458	5.082	ug/l #	50
38) Carbon Tetrachloride	7.98	117	33032	5.848	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2111	1.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	111739	63.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111739	143.705	ug/l #	10

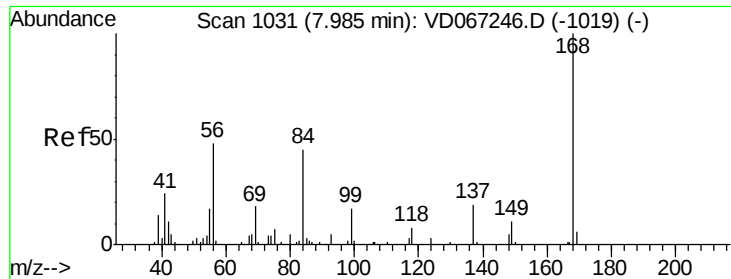
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

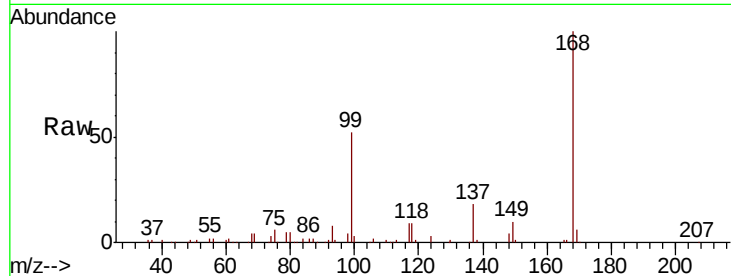
Instrument :
MSVOA_D
ClientSampleId :
202

Tot Ion:168 Resp: 329589

Ion Ratio Lower Upper

168 100

99 52.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

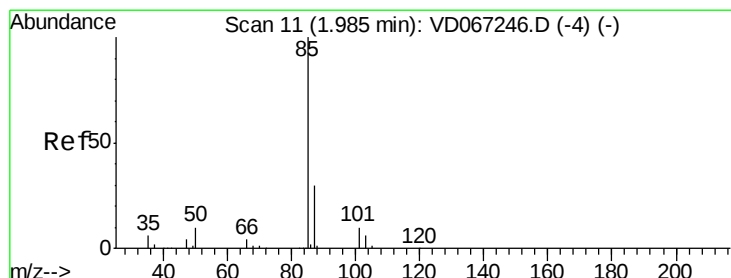
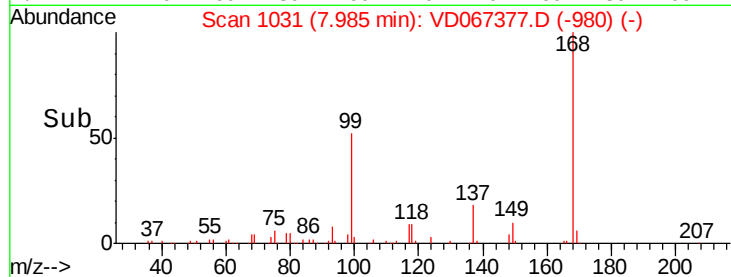
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067377.D

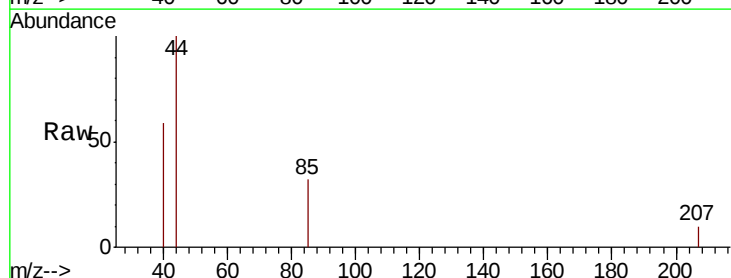
Acq: 23 Oct 2020 12:58

Tgt Ion: 85 Resp: 430

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

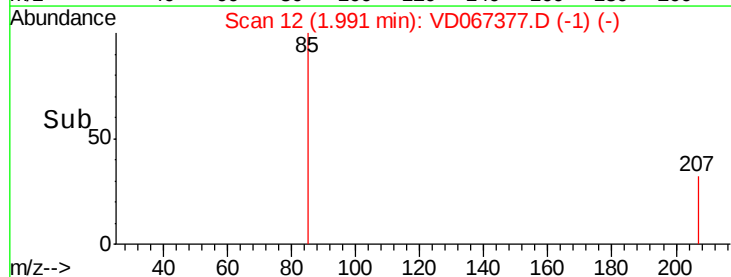
300

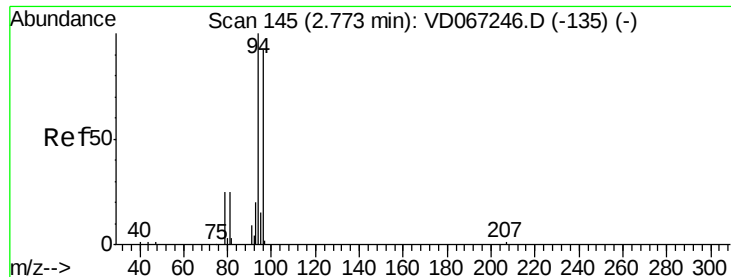
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

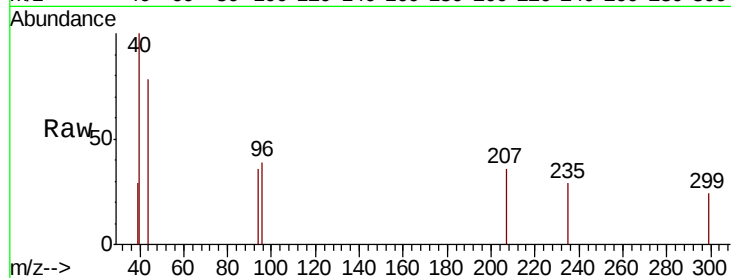
202

Tot Ion: 94 Resp: 222

Ion Ratio Lower Upper

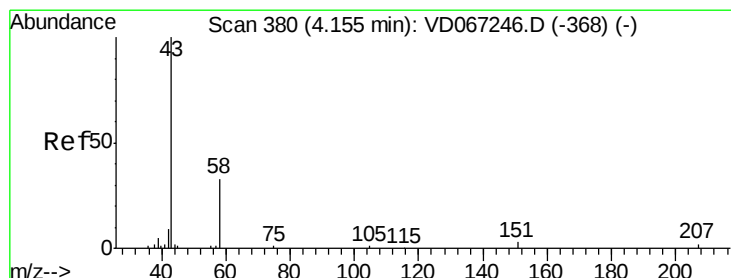
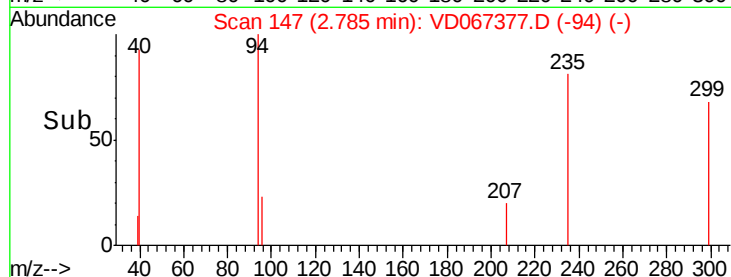
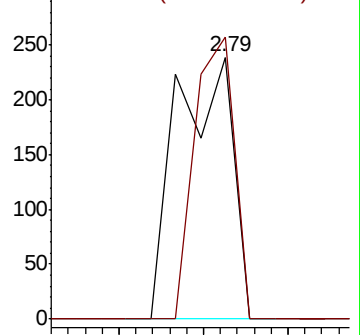
94 100

96 107.9 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 3.203 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067377.D

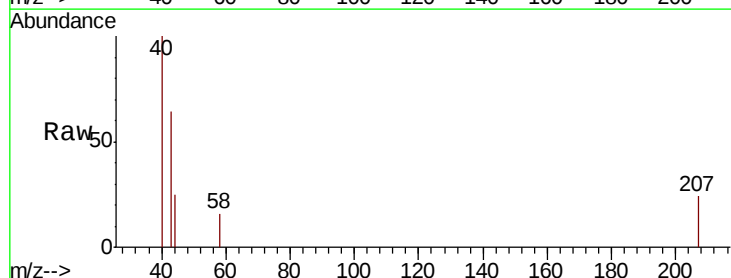
Acq: 23 Oct 2020 12:58

Tgt Ion: 43 Resp: 1481

Ion Ratio Lower Upper

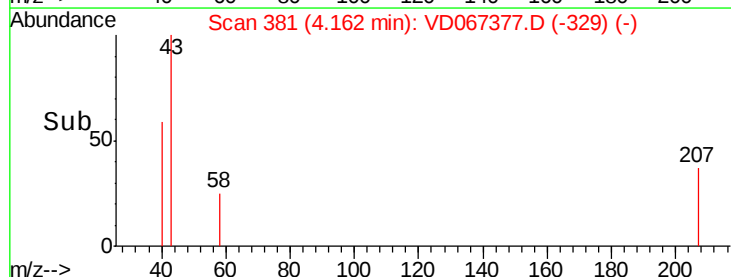
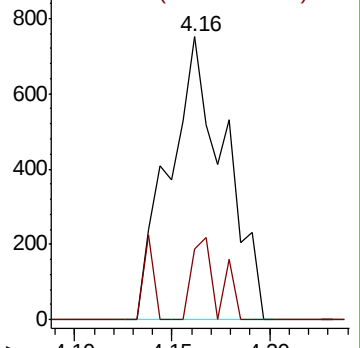
43 100

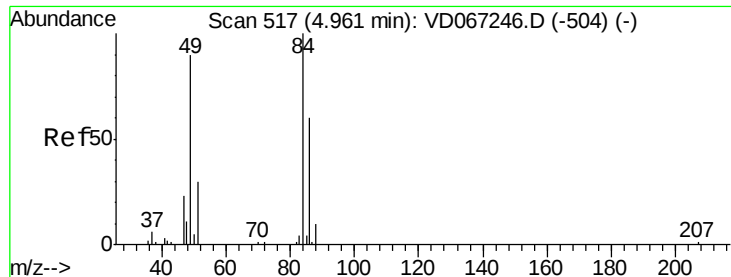
58 25.2 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

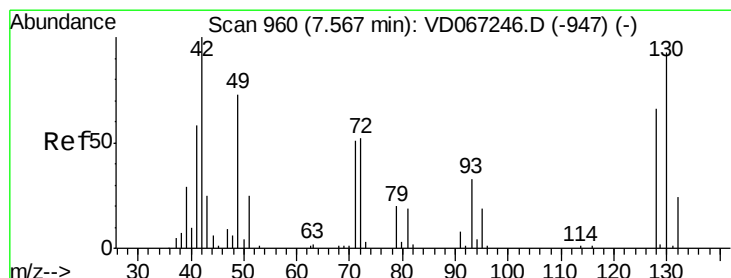
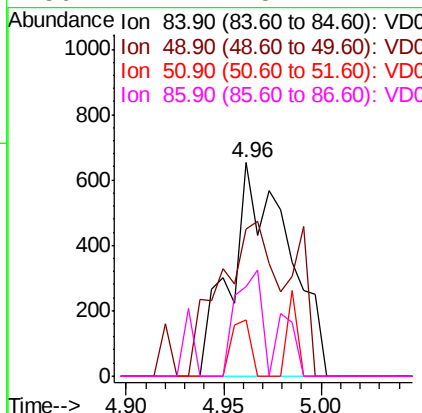
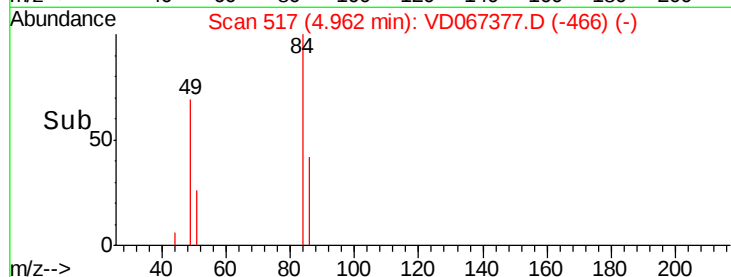
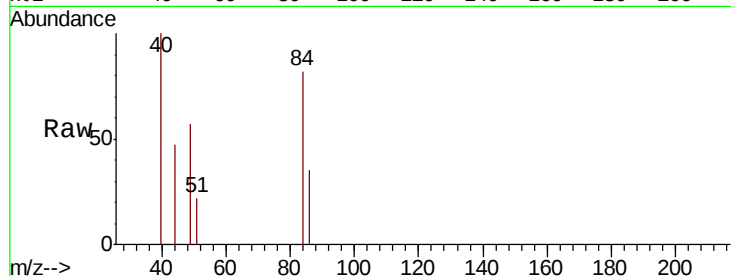




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067377.D
Acq: 23 Oct 2020 12:58

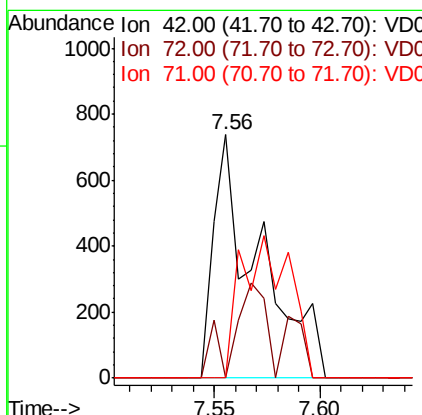
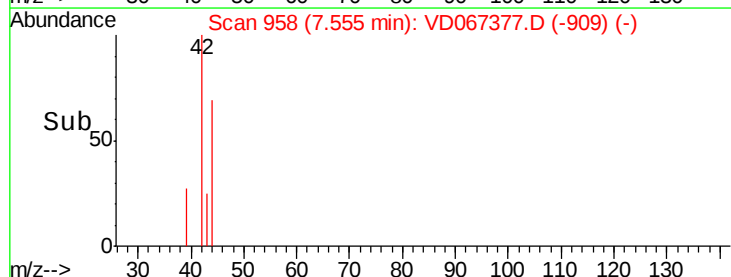
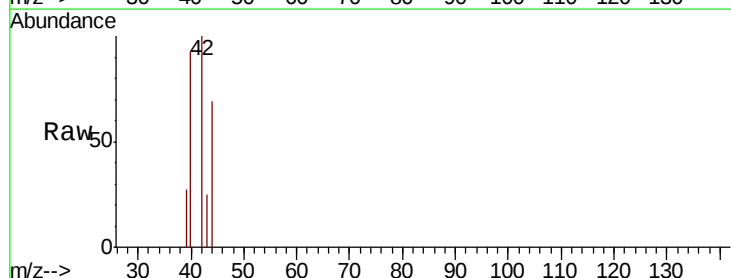
Instrument :
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202

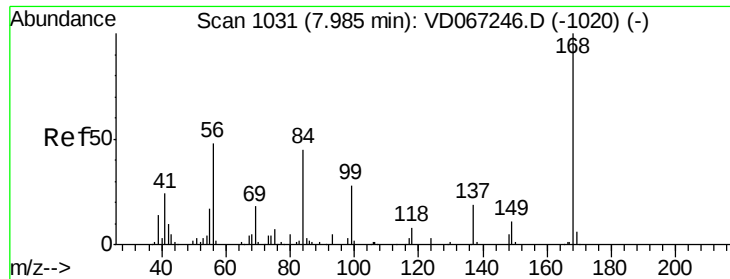
Tot Ion: 84 Resp: 1346
Ion Ratio Lower Upper
84 100
49 69.1 72.2 108.2#
51 26.5 23.8 35.8
86 42.1 48.2 72.4#



#29
Tetrahydrofuran
Concen: 3.757 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067377.D
Acq: 23 Oct 2020 12:58

Tgt Ion: 42 Resp: 1101
Ion Ratio Lower Upper
42 100
72 28.2 43.2 64.8#
71 62.2 39.4 59.0#

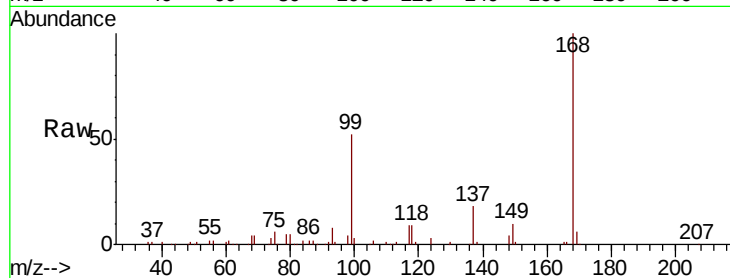




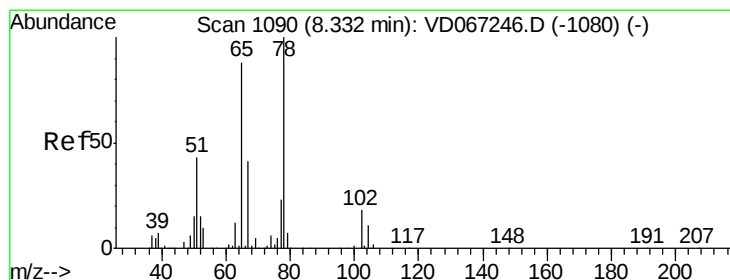
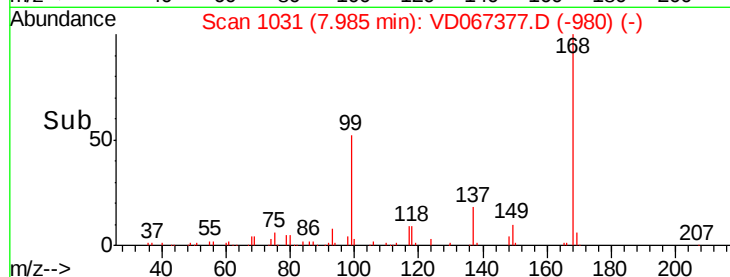
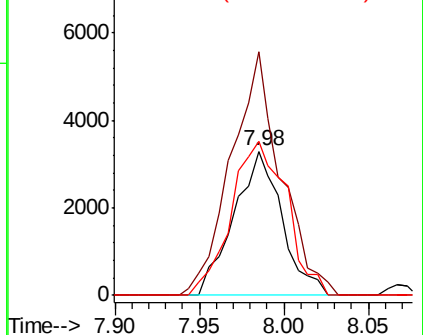
#31
Cyclohexane
Concen: 1.713 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067377.D
Acq: 23 Oct 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
202

Tot Ion: 56 Resp: 6516
Ion Ratio Lower Upper
56 100
69 168.7 29.8 44.6#
84 106.8 76.6 114.8

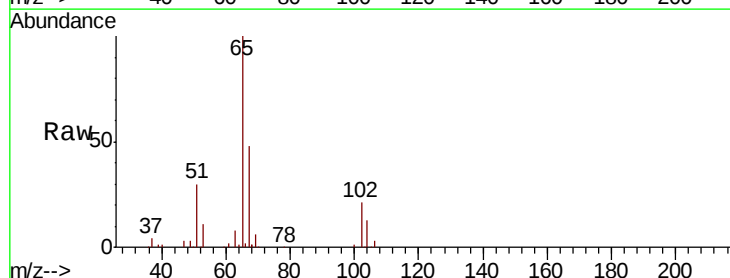


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

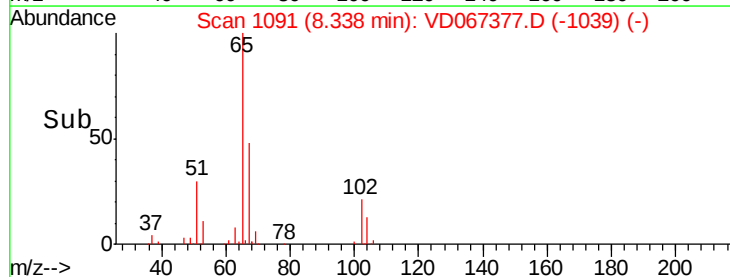
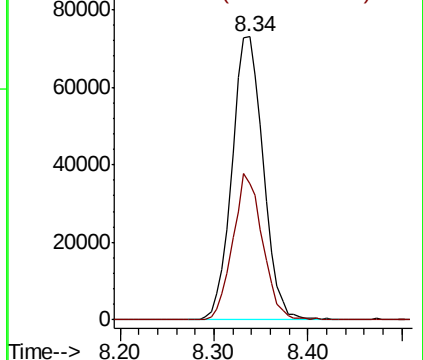


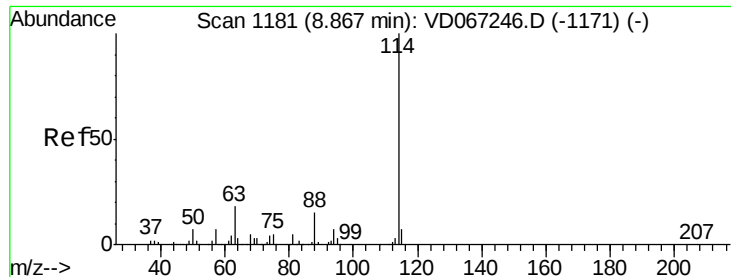
#33
1,2-Dichloroethane-d4
Concen: 51.057 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067377.D
Acq: 23 Oct 2020 12:58

Tgt Ion: 65 Resp: 168589
Ion Ratio Lower Upper
65 100
67 48.9 0.0 103.8



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

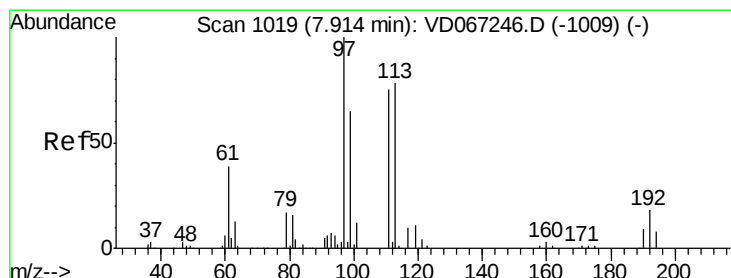
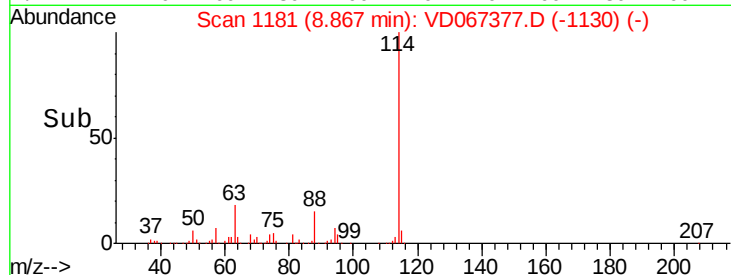
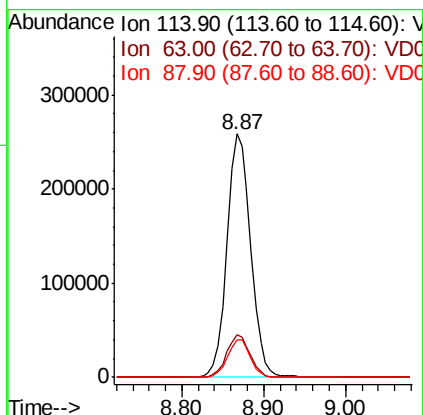
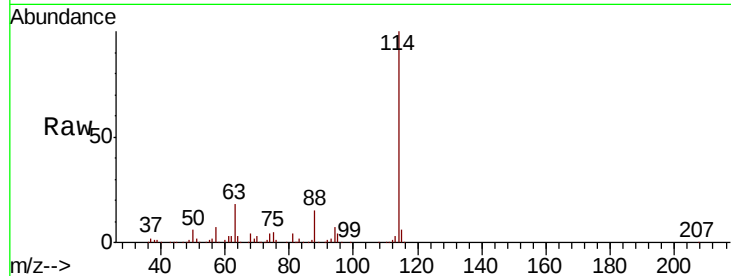




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067377.D
 Acq: 23 Oct 2020 12:58

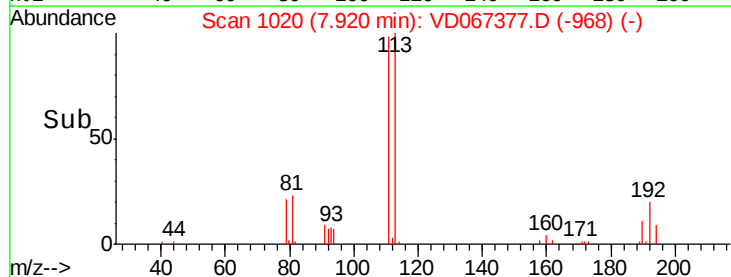
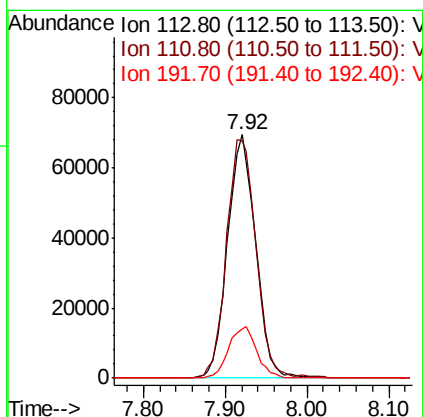
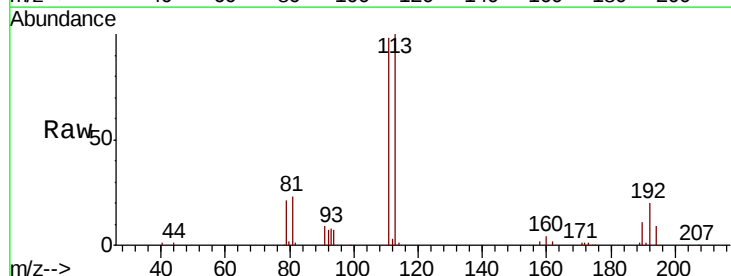
Instrument :
 MSVOA_D
 ClientSampleId :
 202

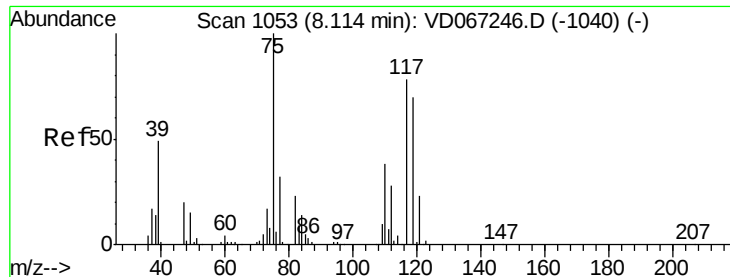
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.0
88	15.2	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 48.028 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067377.D
 Acq: 23 Oct 2020 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	21.1	17.0	25.4





#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

202

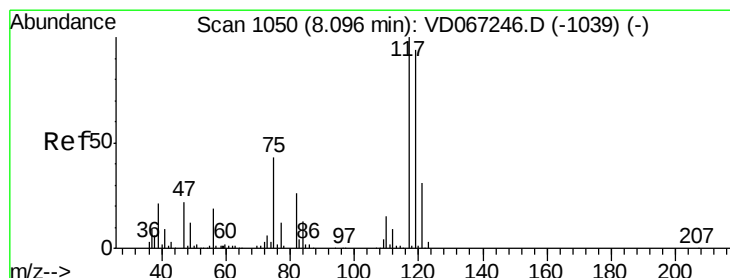
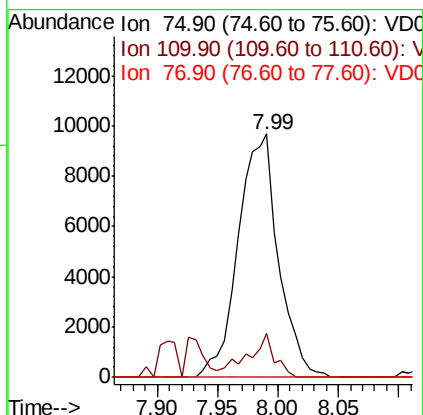
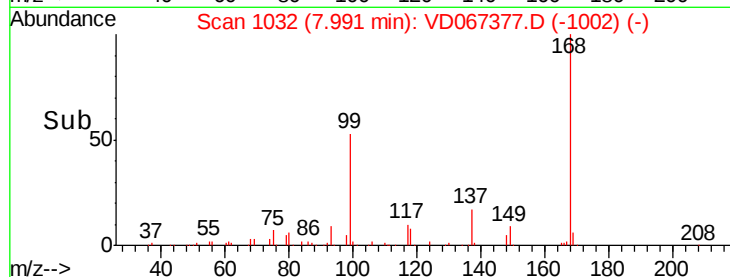
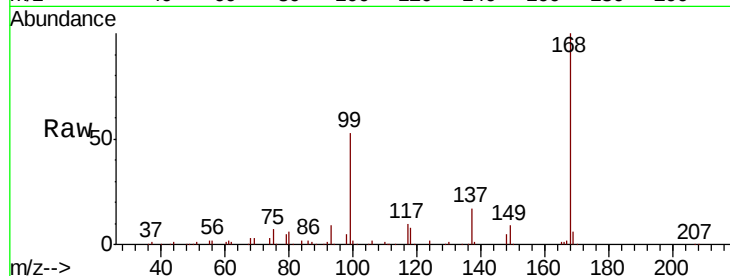
Tot Ion: 75 Resp: 22458

Ion Ratio Lower Upper

75 100

110 12.0 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

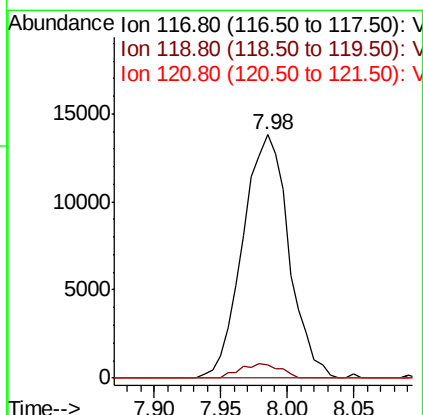
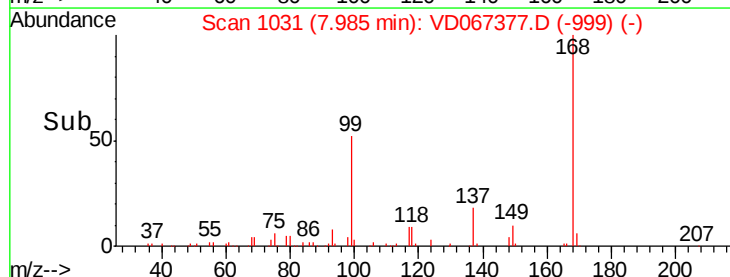
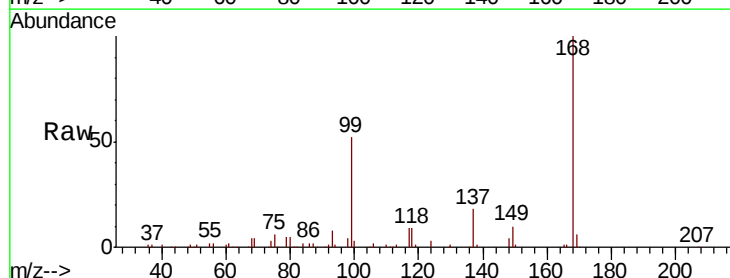
Tgt Ion: 117 Resp: 33032

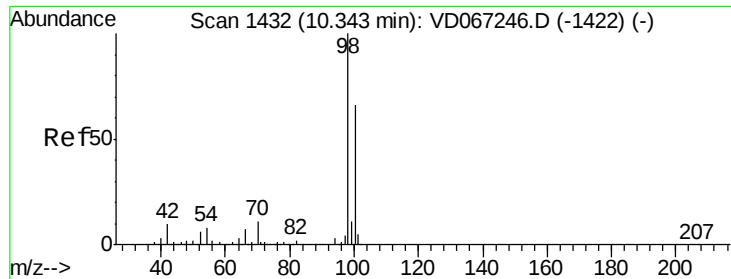
Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.996 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

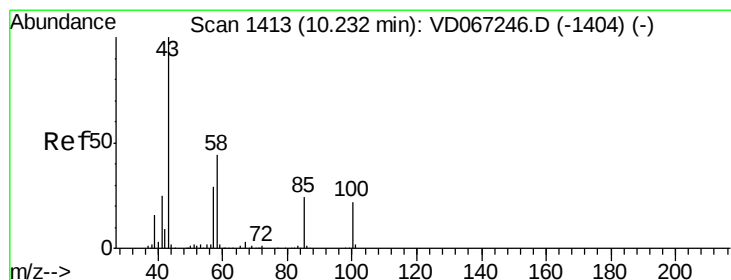
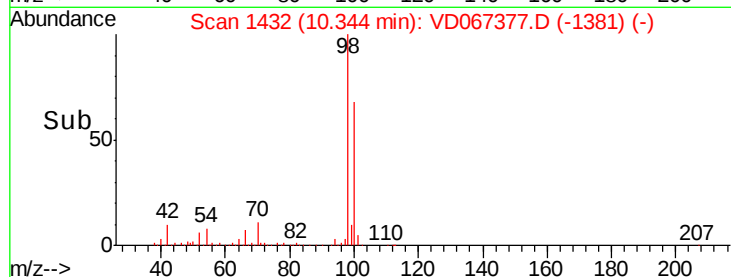
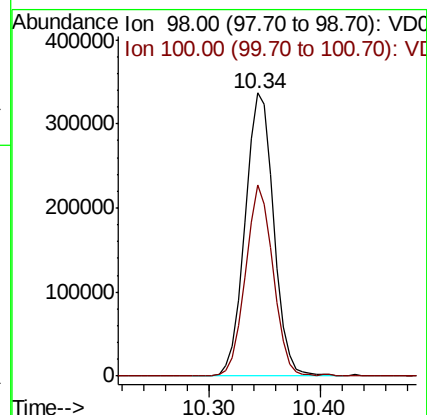
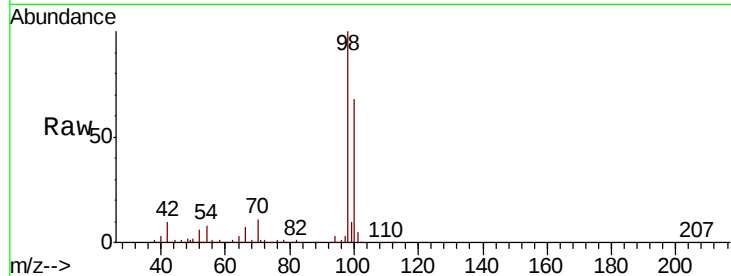
202

Tot Ion: 98 Resp: 615248

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.641 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067377.D

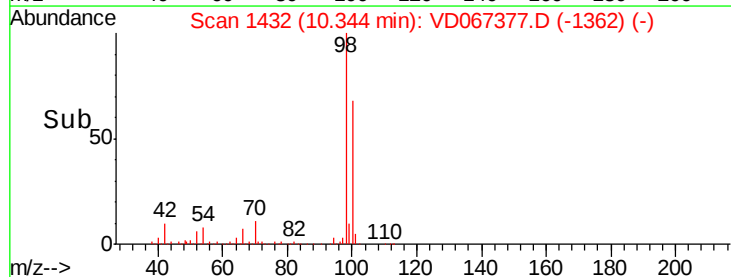
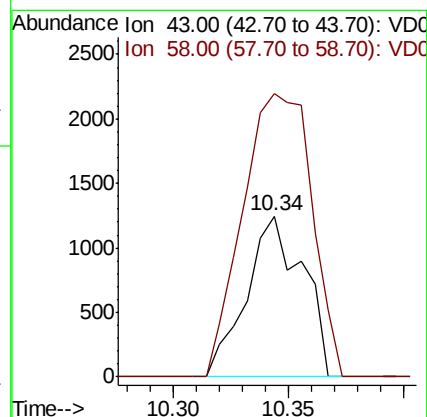
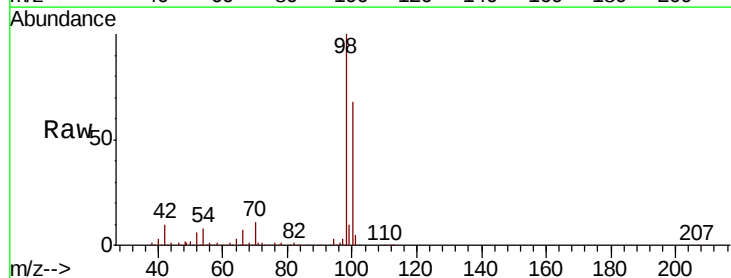
Acq: 23 Oct 2020 12:58

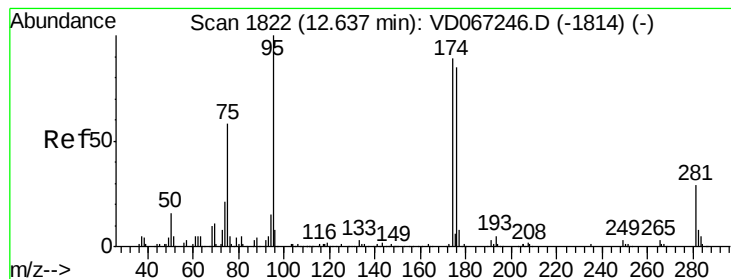
Tgt Ion: 43 Resp: 2111

Ion Ratio Lower Upper

43 100

58 216.0 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 49.714 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

202

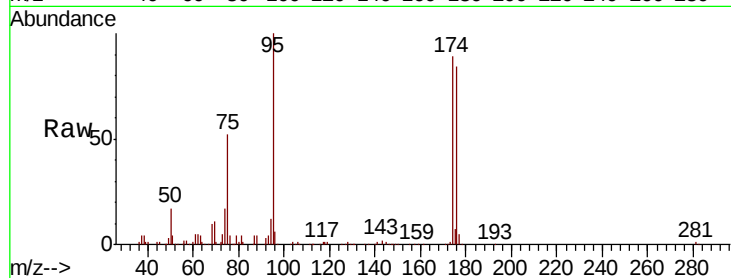
Tot Ion: 95 Resp: 217068

Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.2

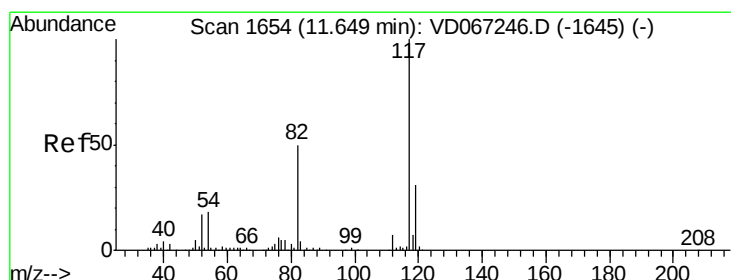
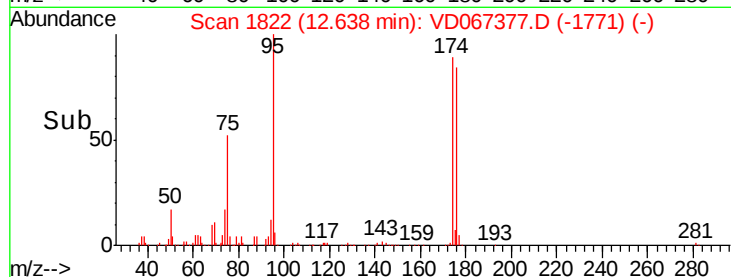
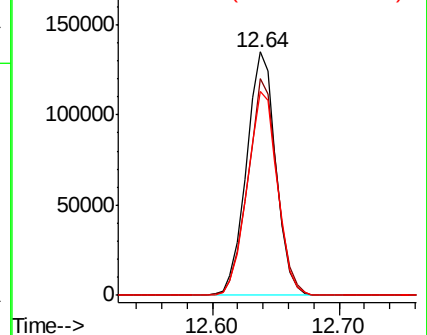
176 85.7 0.0 168.6



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: VD067377.D

Acq: 23 Oct 2020 12:58

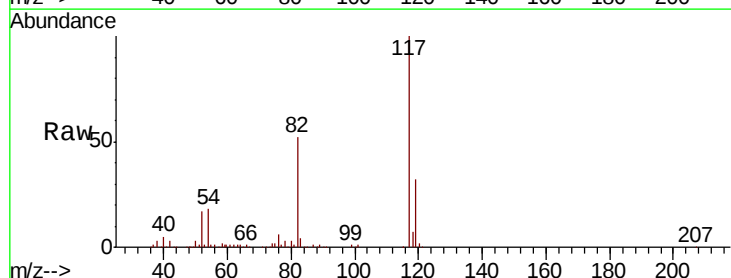
Tgt Ion: 117 Resp: 513856

Ion Ratio Lower Upper

117 100

82 52.5 39.9 59.9

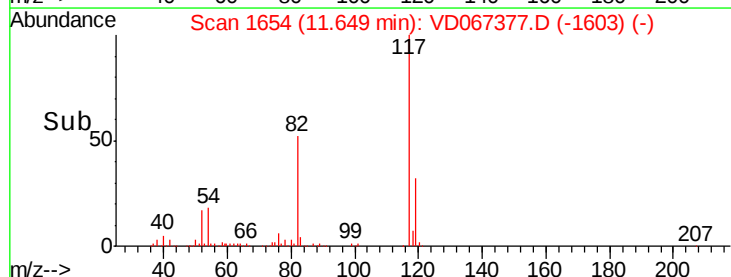
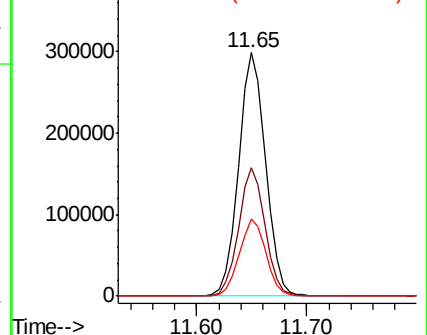
119 31.8 24.9 37.3

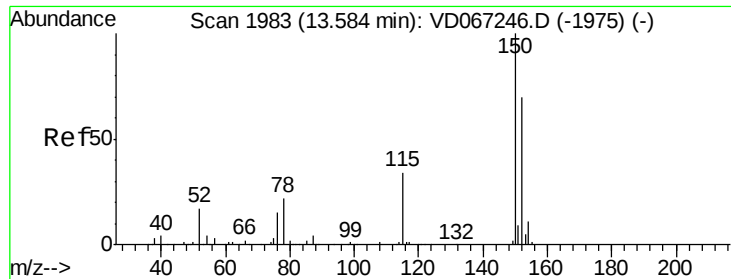


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

202

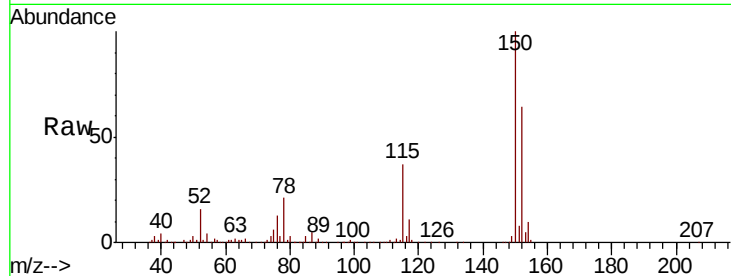
Tot Ion:152 Resp: 254405

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

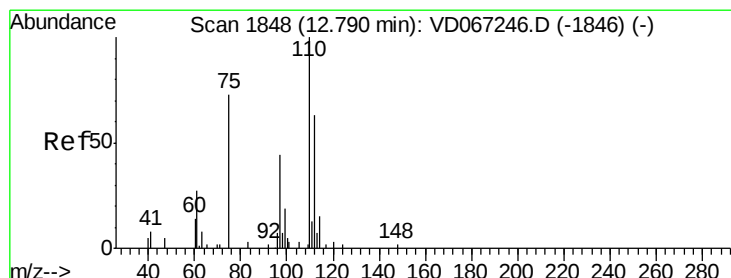
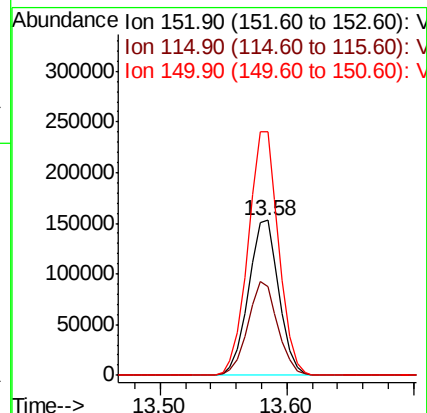
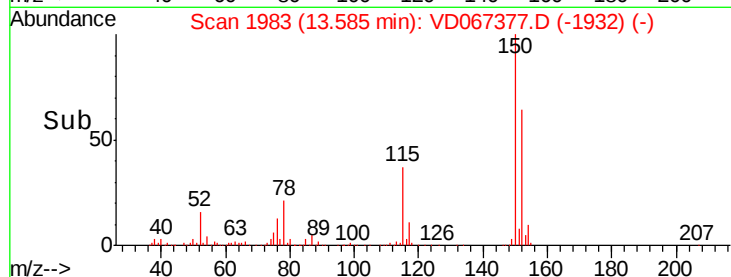
150 157.4 0.0 339.0



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: 63.370 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067377.D

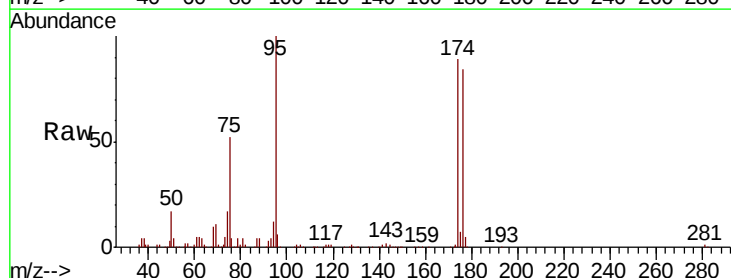
Acq: 23 Oct 2020 12:58

Tgt Ion: 75 Resp: 111739

Ion Ratio Lower Upper

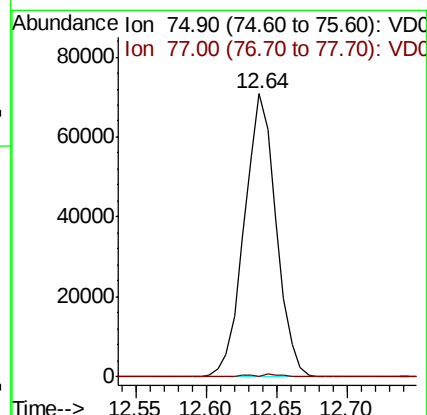
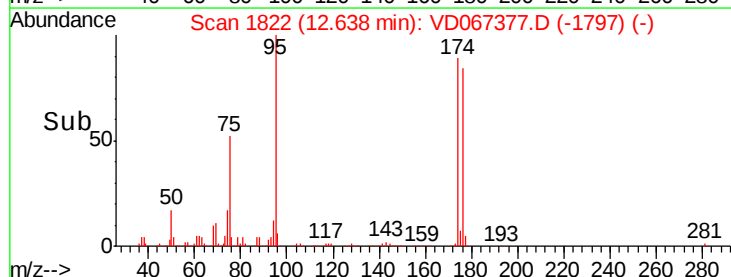
75 100

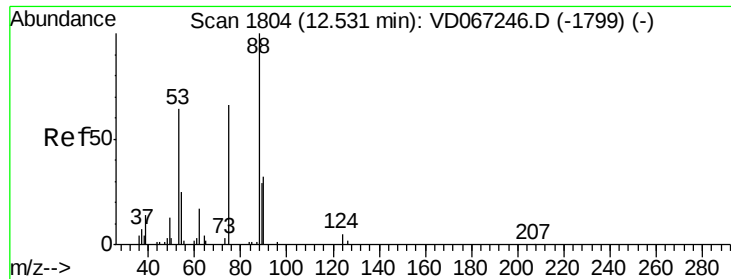
77 0.5 0.0 0.0#



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: 143.705 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067377.D

Acq: 23 Oct 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

202

Tot Ion: 75 Resp: 111739

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

