

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067637.D
 Acq On : 16 Nov 2020 13:34
 Operator : VA/SY
 Sample : L4745-01
 Misc : 5.04G/5.01ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CV-OS

Quant Time: Nov 17 01:07:29 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	280312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	432581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222756	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	121349	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.92	113	129047	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.34	98	499625	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
62) 4-Bromofluorobenzene	12.64	95	196073	62.01	ug/l	0.00
Spiked Amount			Recovery	=	124.02%	

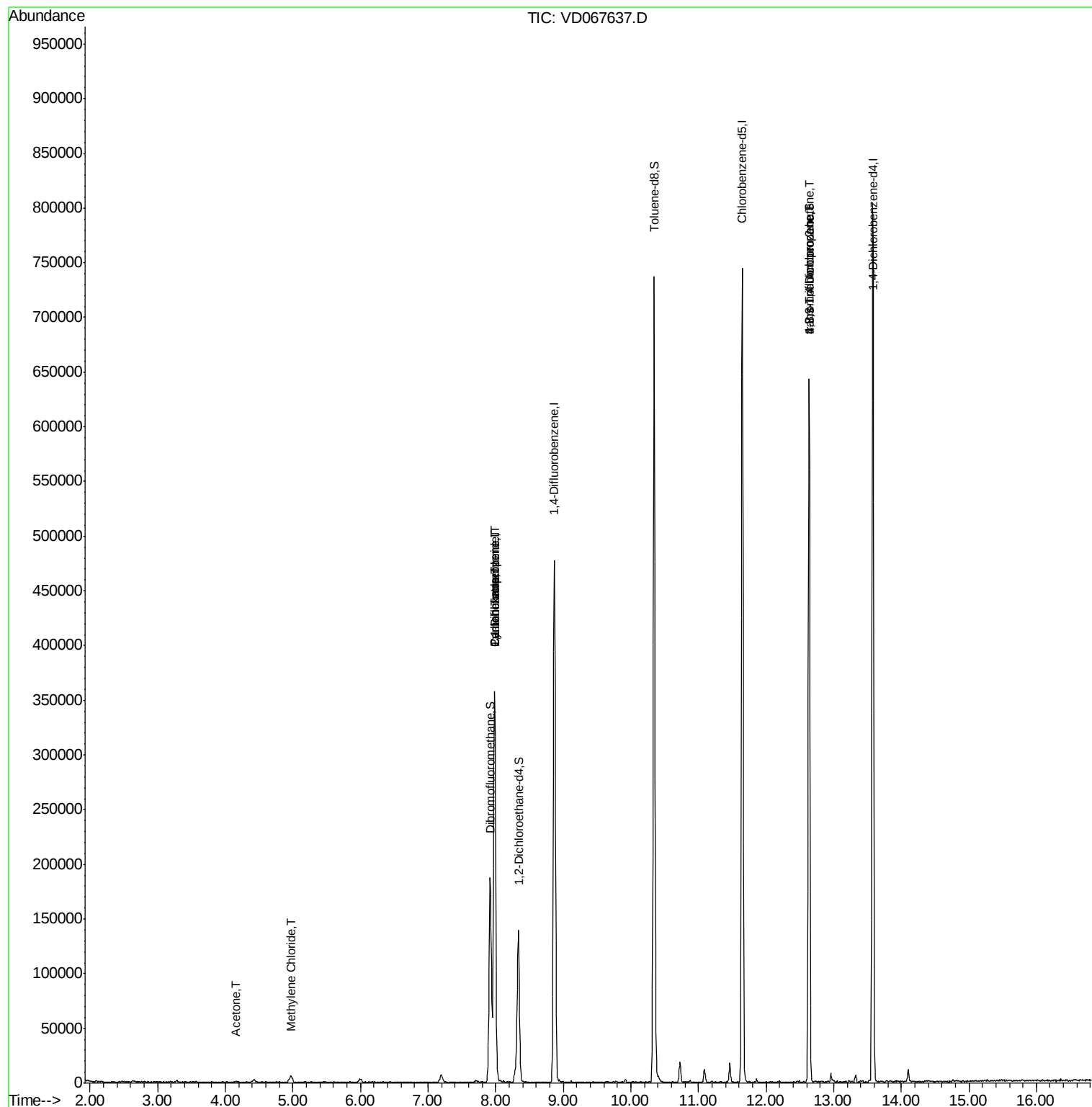
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	372	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	68	Below Cal	#	79
16) Acetone	4.16	43	1400	3.817	ug/l #	87
20) Methylene Chloride	4.97	84	5313	2.051	ug/l #	76
31) Cyclohexane	7.98	56	6072	1.708	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	18211	4.918	ug/l #	51
38) Carbon Tetrachloride	7.99	117	29472	6.126	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	101890	75.823	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	101890	153.940	ug/l #	10

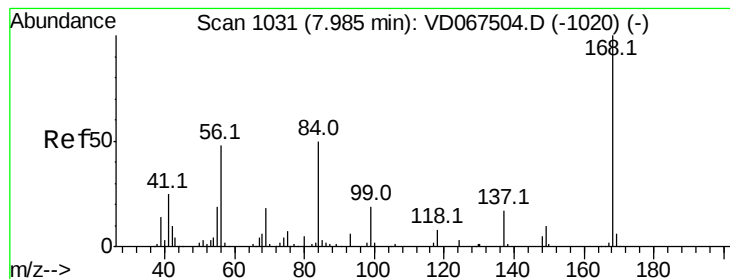
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
Data File : VD067637.D
Acq On : 16 Nov 2020 13:34
Operator : VA/SY
Sample : L4745-01
Misc : 5.04G/5.01ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CV-OS

Quant Time: Nov 17 01:07:29 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: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

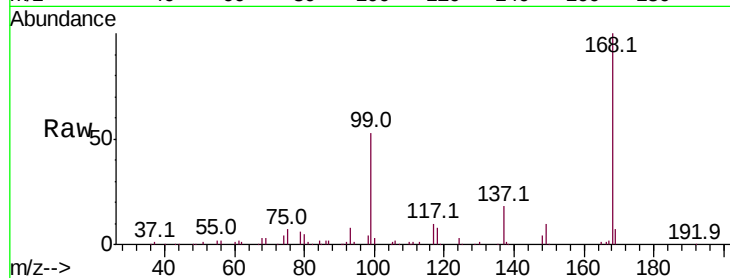
CV-OS

Tot Ion:168 Resp: 280312

Ion Ratio Lower Upper

168 100

99 52.6 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

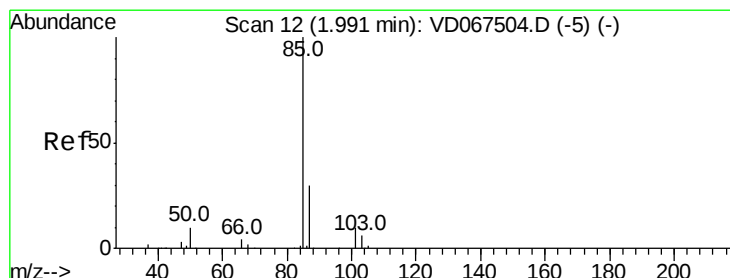
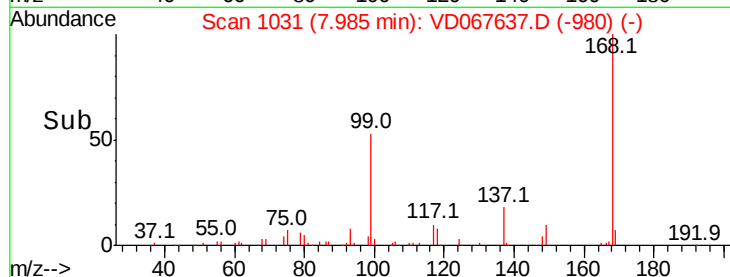
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067637.D

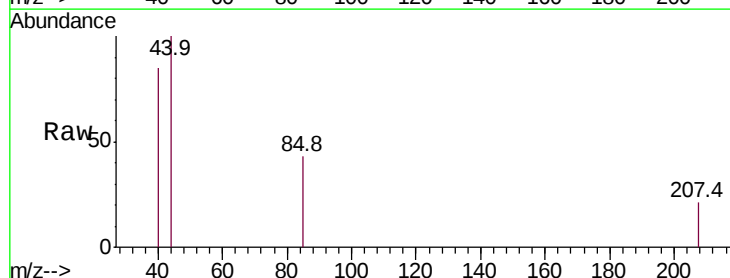
Acq: 16 Nov 2020 13:34

Tgt Ion: 85 Resp: 372

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

300

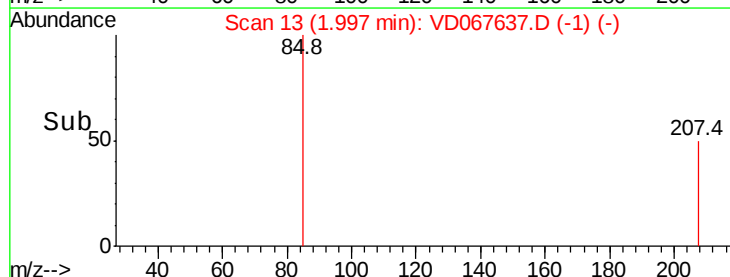
200

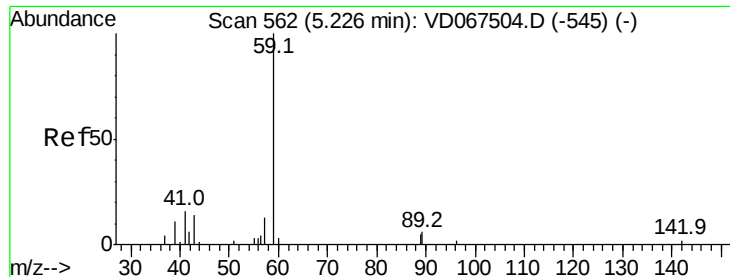
100

0

Time-->

1.96 1.98 2.00 2.02



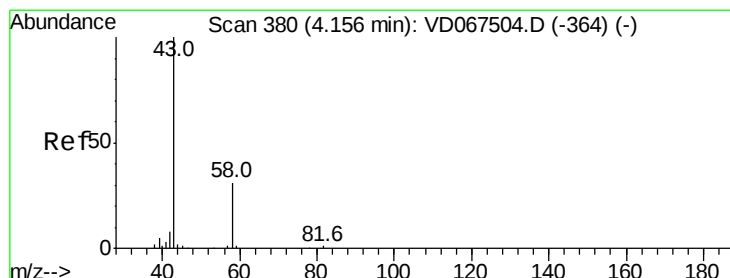
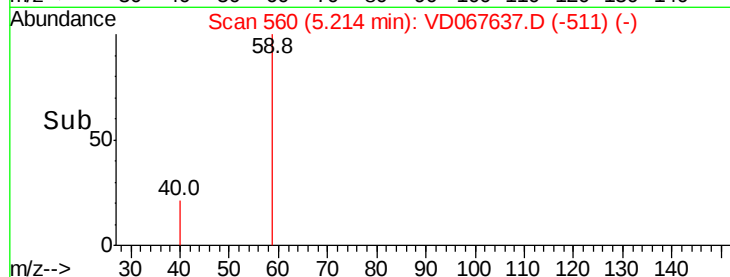
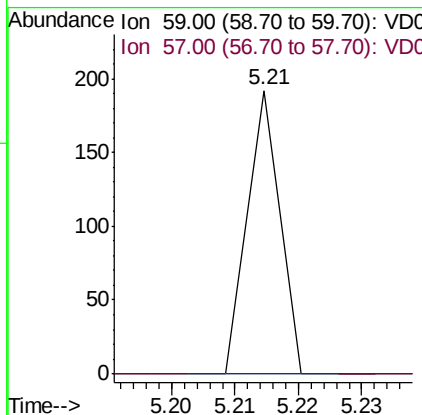
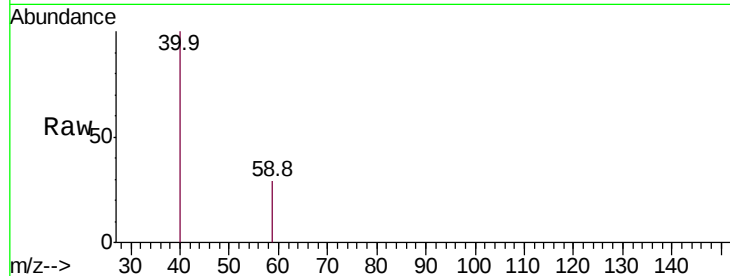


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067637.D
 Acq: 16 Nov 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 CV-OS

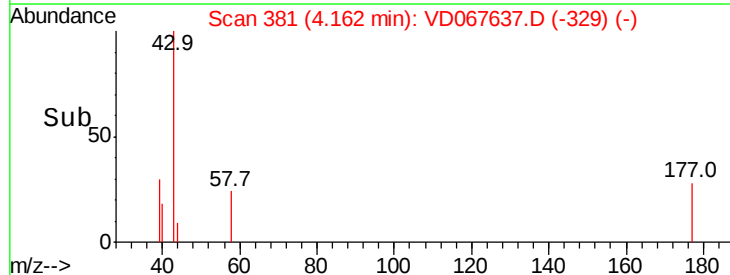
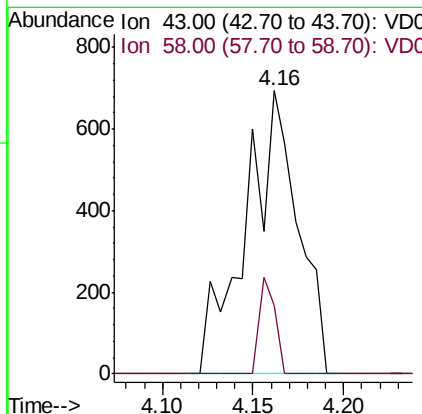
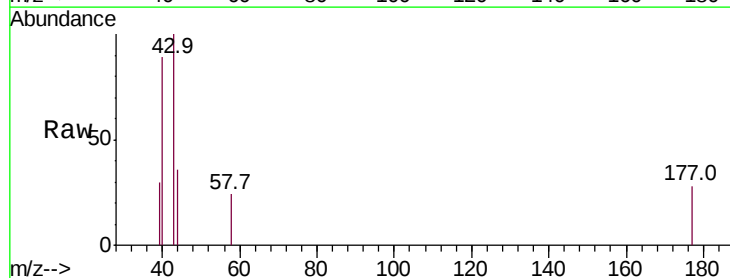
Tot Ion: 59 Resp: 68
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

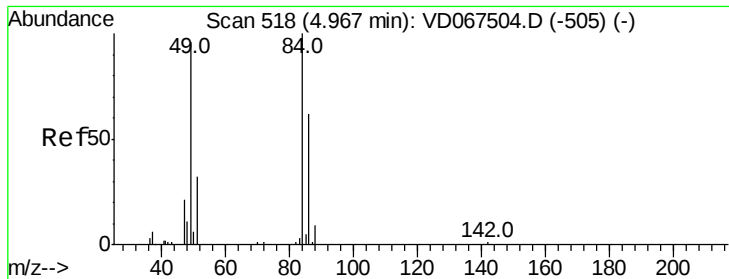


#16

Acetone
 Concen: 3.817 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067637.D
 Acq: 16 Nov 2020 13:34

Tgt Ion: 43 Resp: 1400
 Ion Ratio Lower Upper
 43 100
 58 24.2 25.2 37.8#

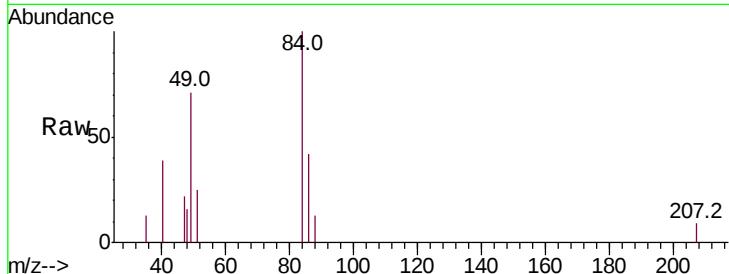




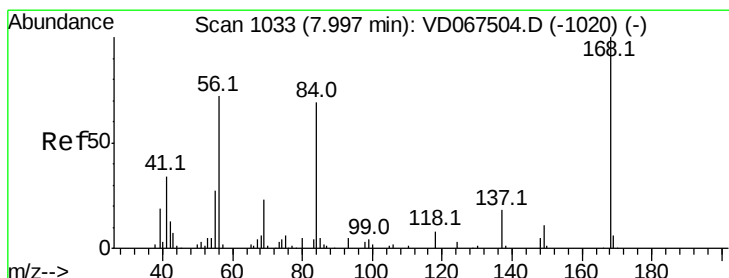
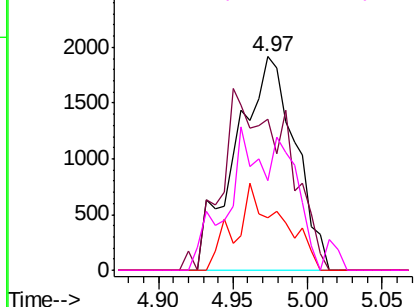
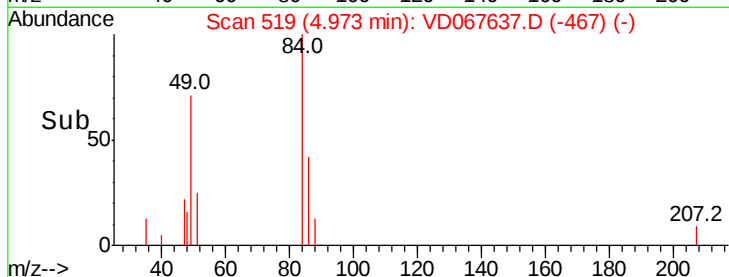
#20
Methvlene Chloride
Concen: 2.051 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067637.D
Acq: 16 Nov 2020 13:34

Instrument :
MSVOA_D
ClientSampleId :
CV-OS

Tot Ion: 84 Resp: 5313
Ion Ratio Lower Upper
84 100
49 70.7 77.0 115.4#
51 24.5 25.4 38.2#
86 41.9 49.4 74.0#

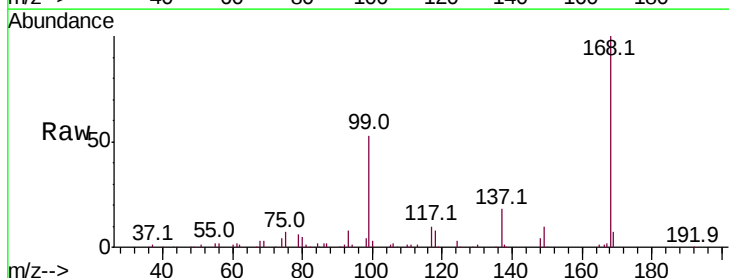


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

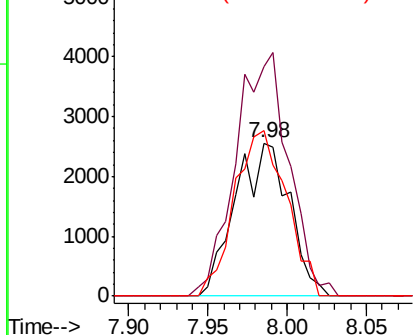
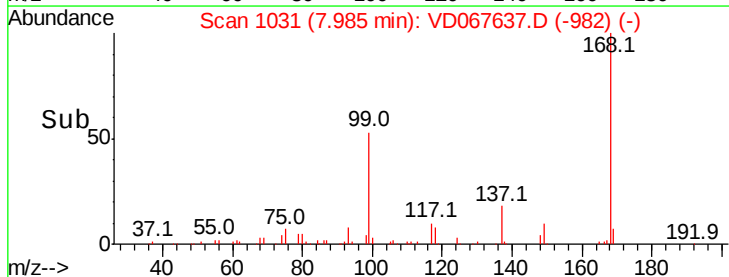


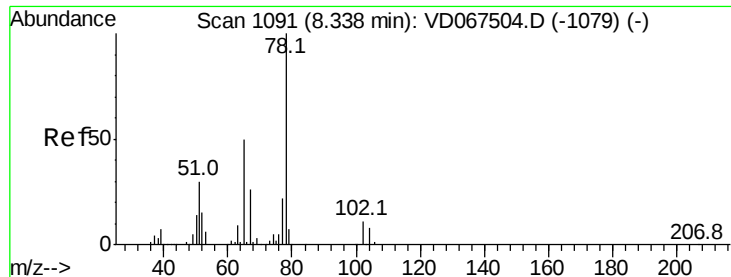
#31
Cyclohexane
Concen: 1.708 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067637.D
Acq: 16 Nov 2020 13:34

Tgt Ion: 56 Resp: 6072
Ion Ratio Lower Upper
56 100
69 150.0 25.9 38.9#
84 108.1 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: 49.510 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

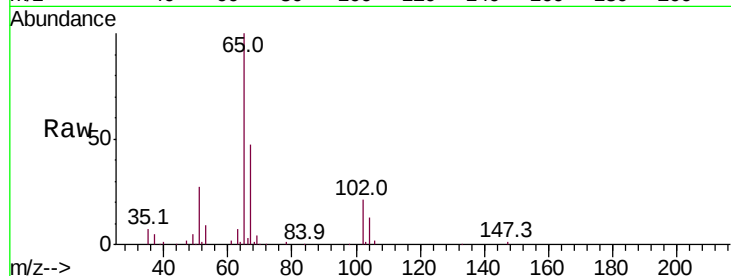
CV-OS

Tot Ion: 65 Resp: 121349

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

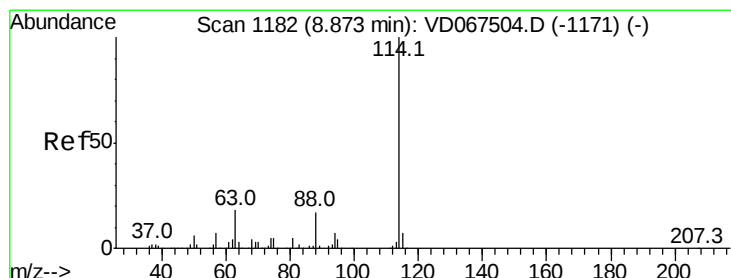
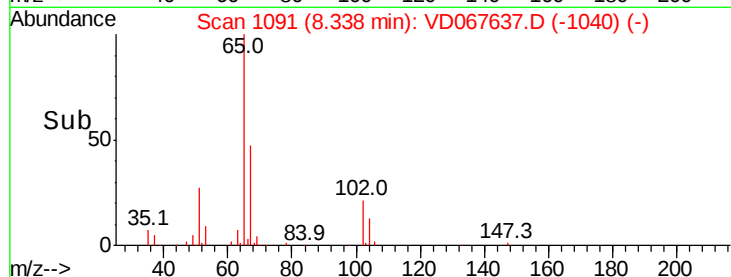
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067637.D

Acq: 16 Nov 2020 13:34

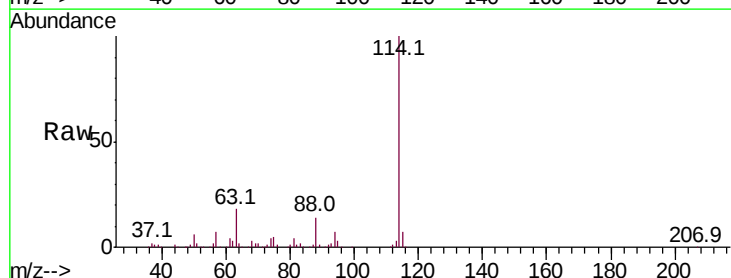
Tgt Ion: 114 Resp: 432581

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.2 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

300000

250000

200000

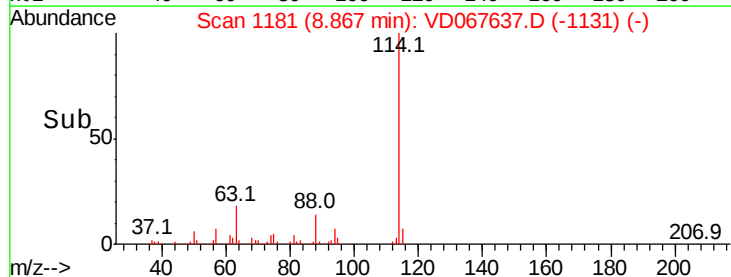
150000

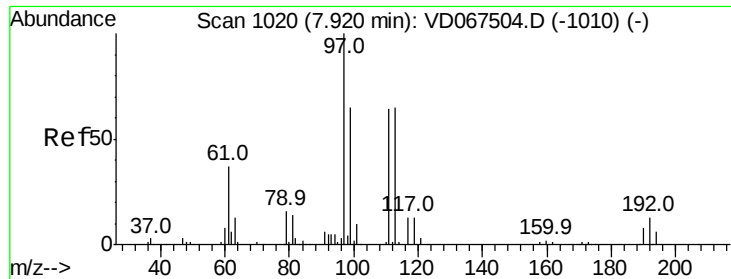
100000

50000

0

Time--> 8.75 8.80 8.85 8.90 8.95

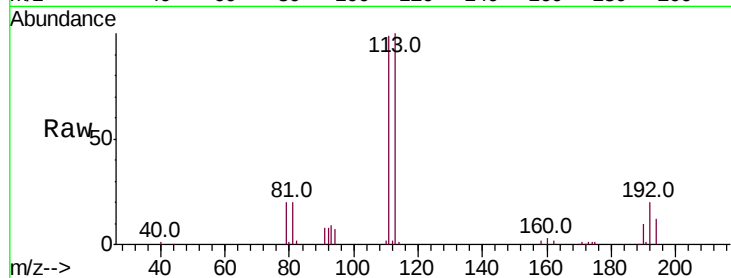




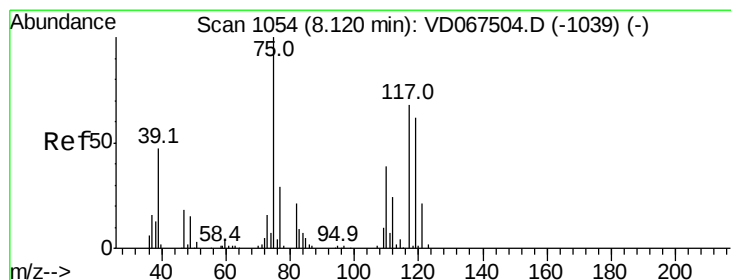
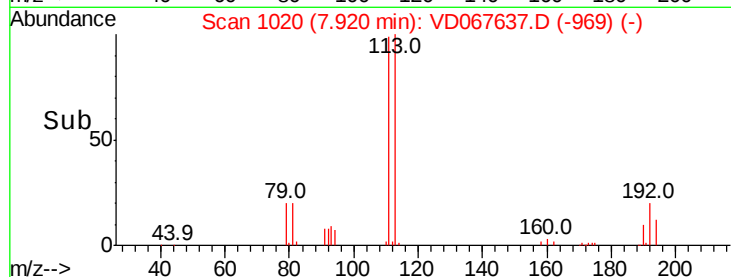
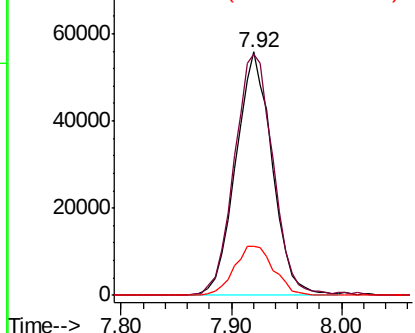
#35
 Dibromofluoromethane
 Concen: 49.514 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067637.D
 Acq: 16 Nov 2020 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 CV-OS

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.0	120.0
192	22.0	16.3	24.5

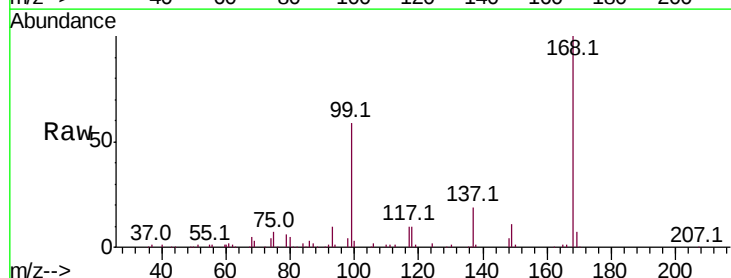


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

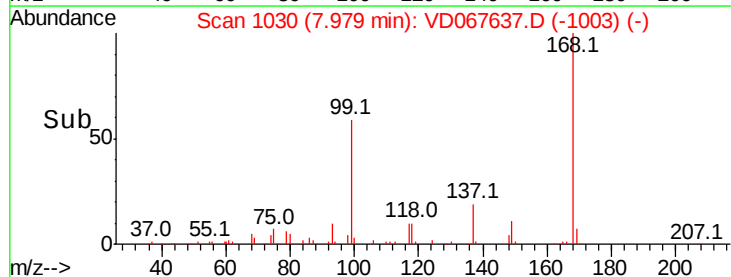
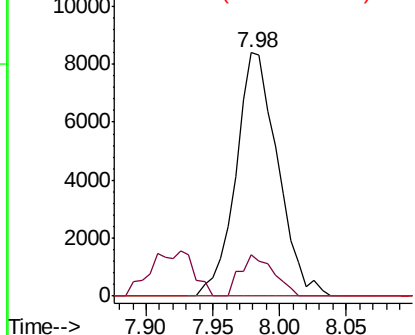


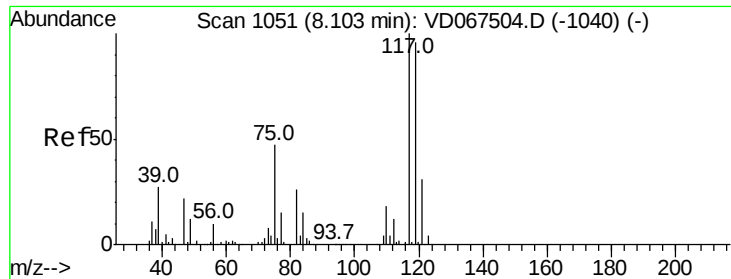
#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067637.D
 Acq: 16 Nov 2020 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.5	19.9	59.7#
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: 6.126 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

CV-OS

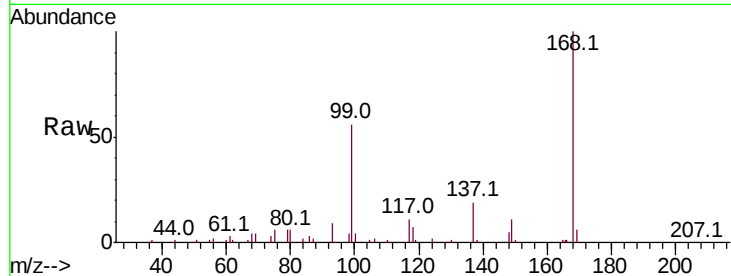
Tot Ion:117 Resp: 29472

Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

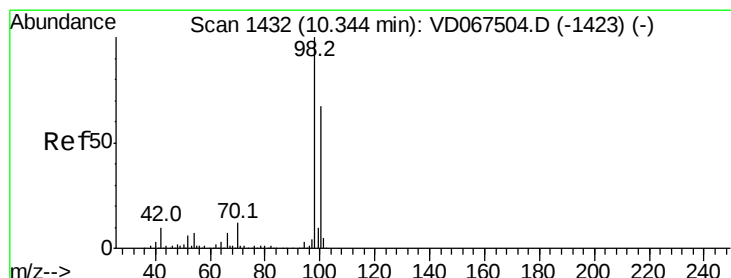
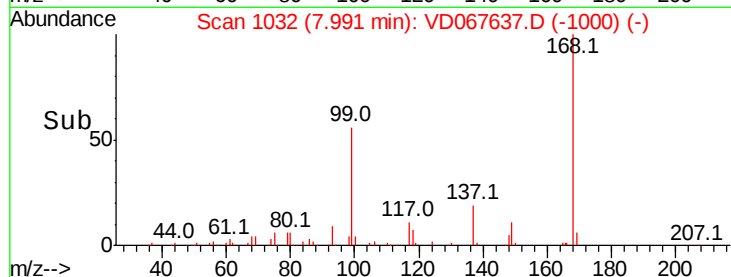
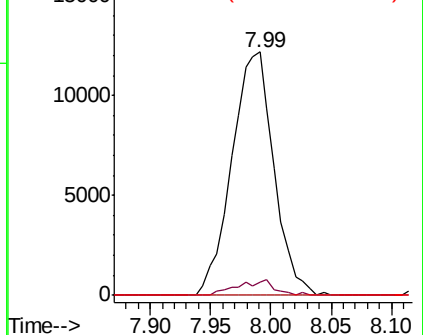
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 54.549 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067637.D

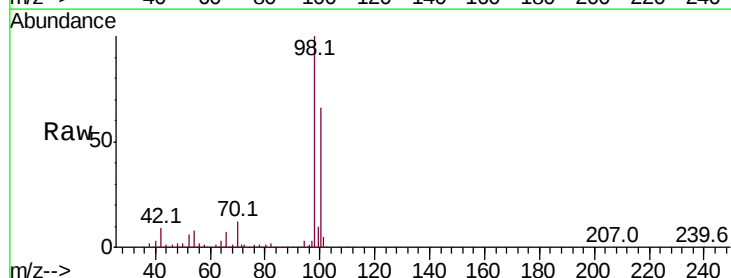
Acq: 16 Nov 2020 13:34

Tgt Ion: 98 Resp: 499625

Ion Ratio Lower Upper

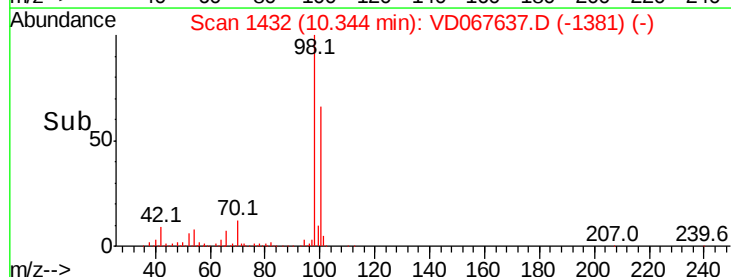
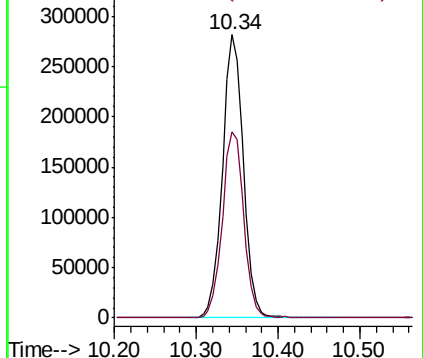
98 100

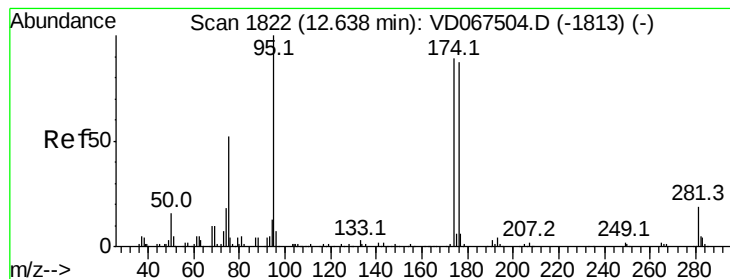
100 67.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 62.006 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

CV-OS

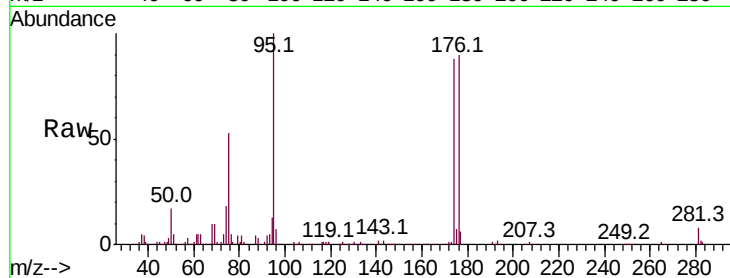
Tot Ion: 95 Resp: 196073

Ion Ratio Lower Upper

95 100

174 90.4 0.0 177.8

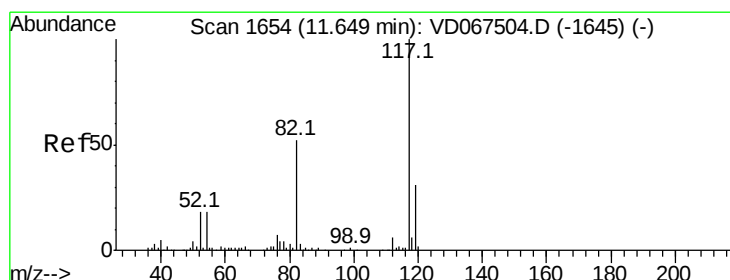
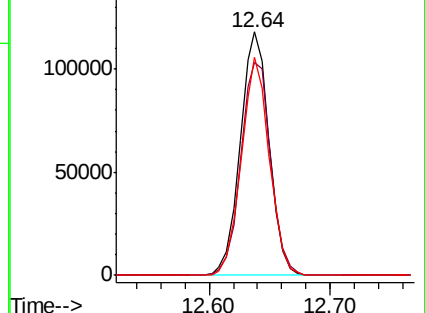
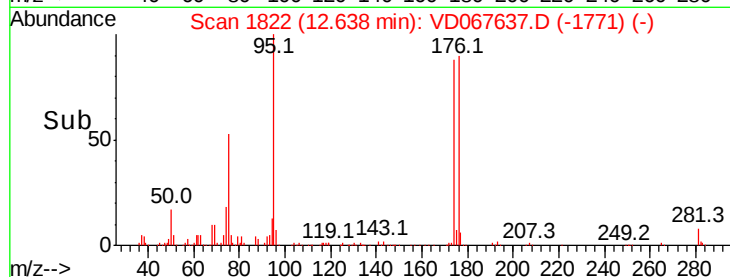
176 87.0 0.0 172.0



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: VD067637.D

Acq: 16 Nov 2020 13:34

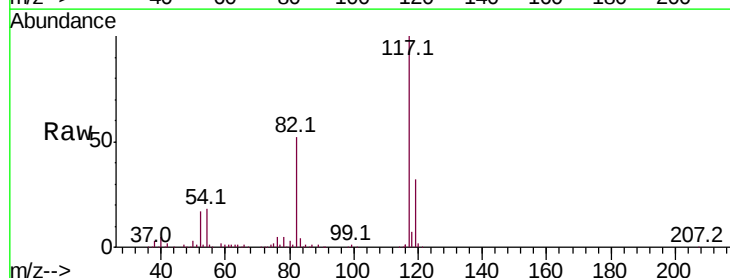
Tgt Ion: 117 Resp: 440845

Ion Ratio Lower Upper

117 100

82 51.5 41.6 62.4

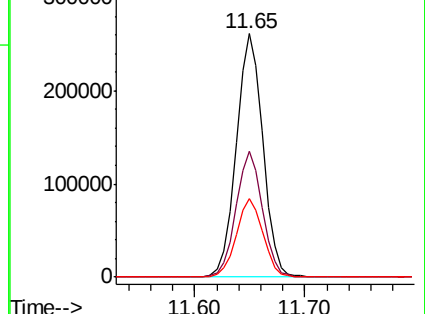
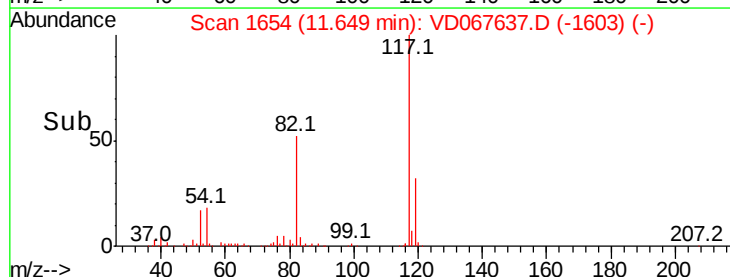
119 32.2 25.1 37.7

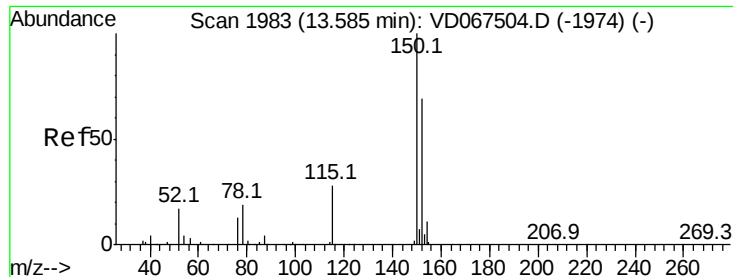


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

CV-OS

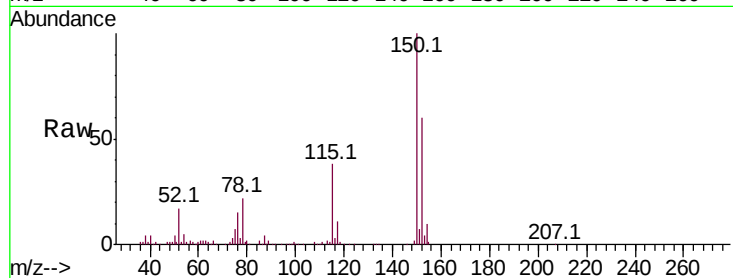
Tot Ion:152 Resp: 222756

Ion Ratio Lower Upper

152 100

115 60.2 29.3 88.0

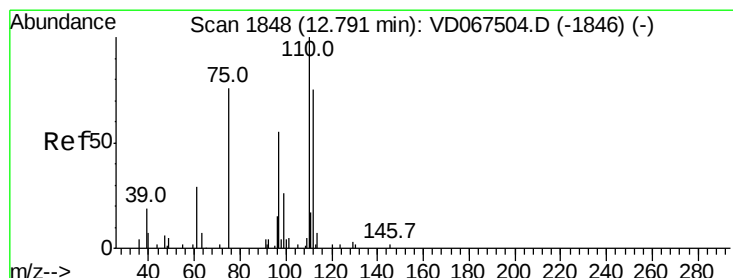
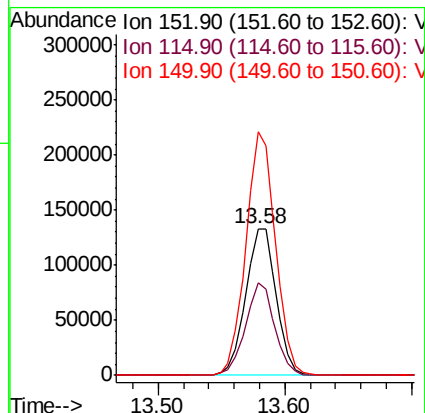
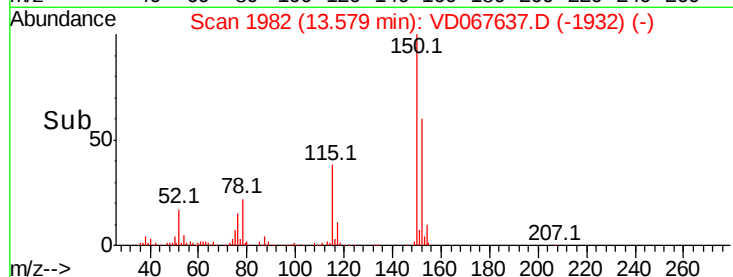
150 160.6 0.0 338.2



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: 75.823 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067637.D

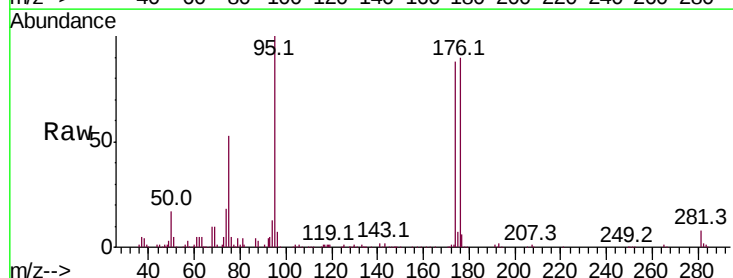
Acq: 16 Nov 2020 13:34

Tgt Ion: 75 Resp: 101890

Ion Ratio Lower Upper

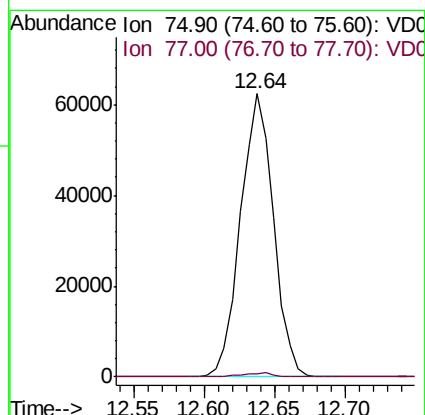
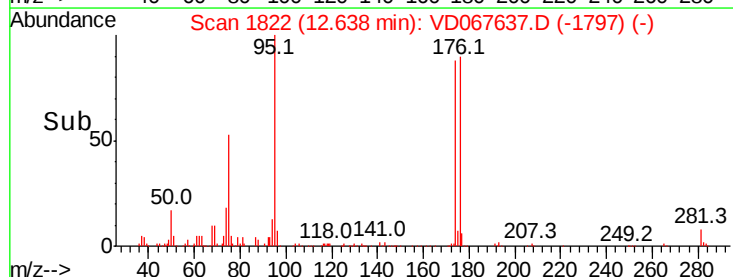
75 100

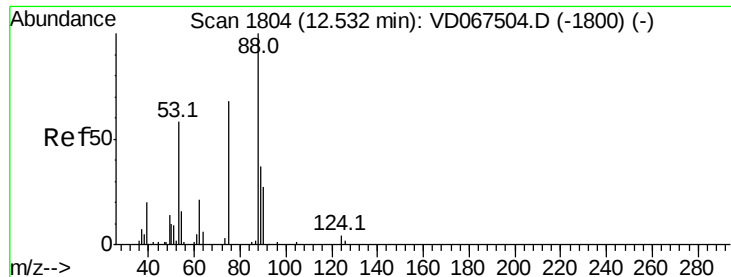
77 1.4 0.0 0.0#



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: 153.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067637.D

Acq: 16 Nov 2020 13:34

Instrument :

MSVOA_D

ClientSampleId :

CV-OS

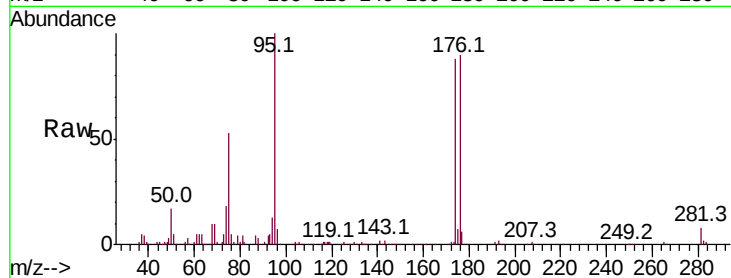
Tot Ion: 75 Resp: 101890

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

