

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067634.D
 Acq On : 16 Nov 2020 12:12
 Operator : VA/SY
 Sample : L4687-02
 Misc : 4.72G/5.01ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1

Quant Time: Nov 17 01:07:00 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	287625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	440432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	447416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	209153	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	124473	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.92	113	135895	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	10.34	98	513659	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.64	95	189528	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	

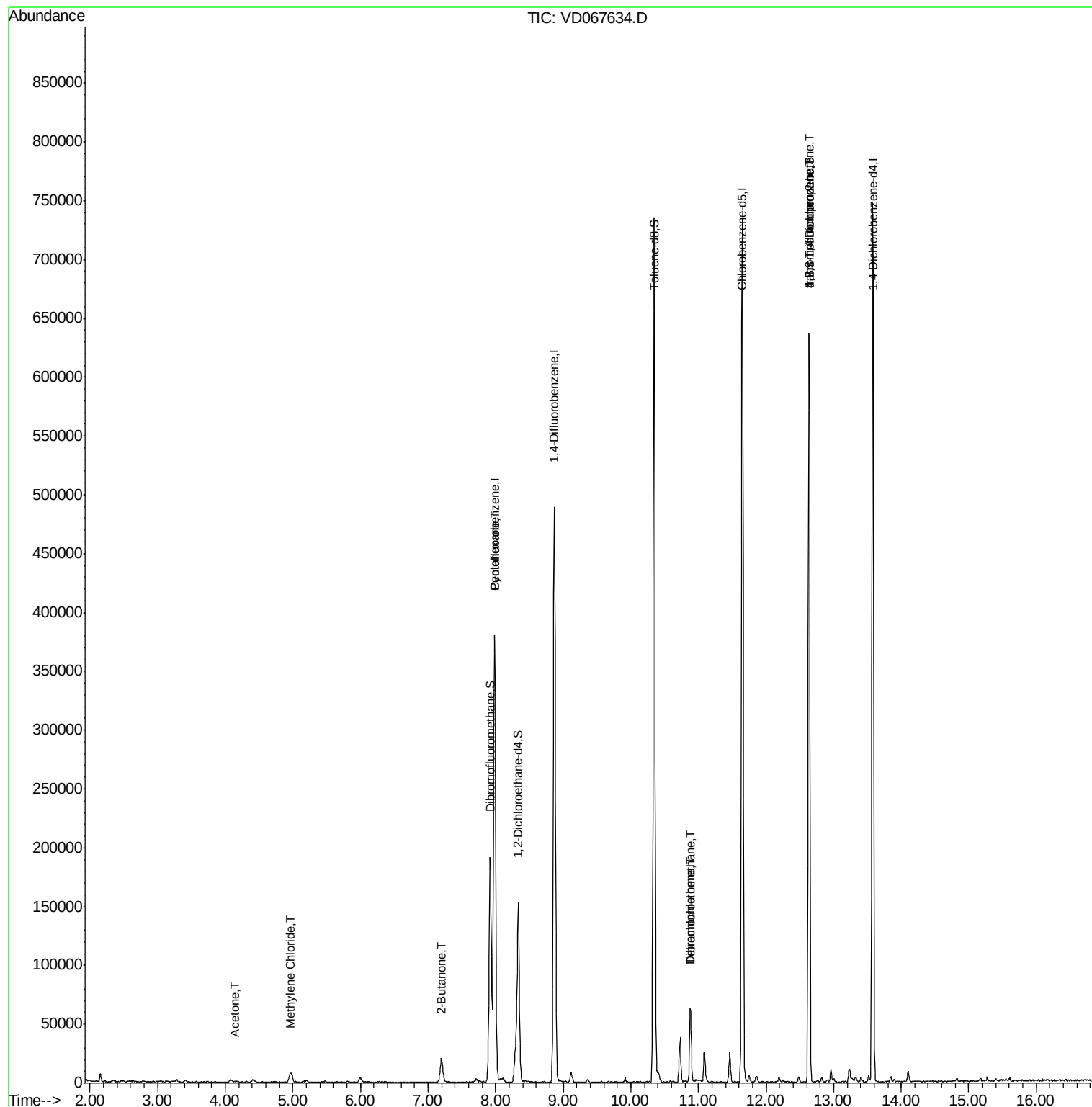
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	1084	Below Cal	#	44
11) Tert butyl alcohol	5.22	59	298	Below Cal	#	79
16) Acetone	4.14	43	801	2.128	ug/l #	43
20) Methylene Chloride	4.97	84	6931	2.607	ug/l #	72
25) 2-Butanone	7.20	43	724	1.800	ug/l #	42
31) Cyclohexane	7.99	56	6896	1.891	ug/l #	33
60) Dibromochloromethane	10.88	129	13673	4.976	ug/l #	11
64) Tetrachloroethene	10.88	164	15027	4.535	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	97900	77.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	97900	157.532	ug/l #	10

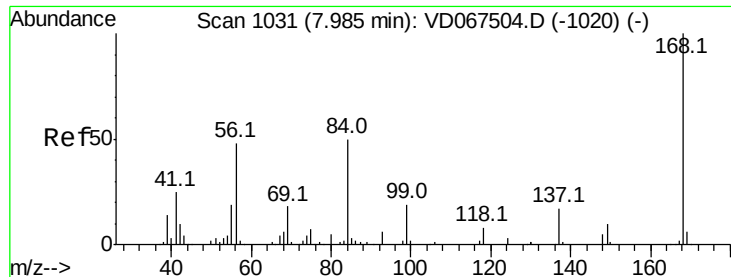
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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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# 1030

Delta R.T. -0.01 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

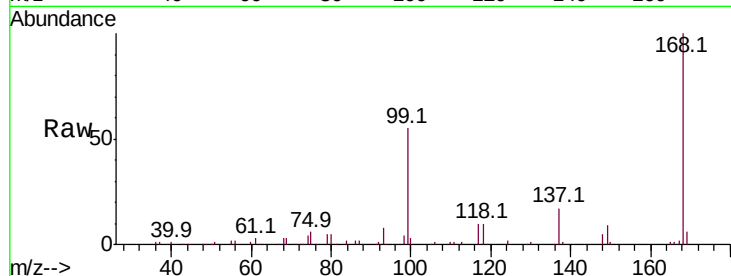
SS-1

Tot Ion:168 Resp: 287625

Ion Ratio Lower Upper

168 100

99 54.9 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

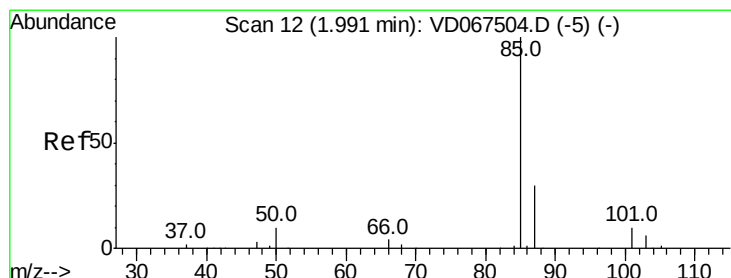
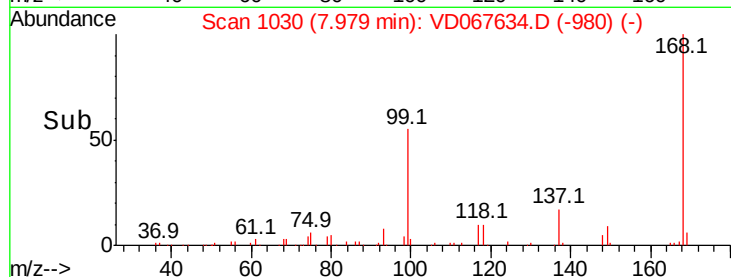
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067634.D

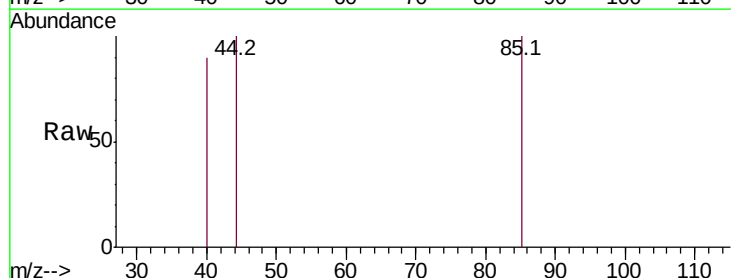
Acq: 16 Nov 2020 12:12

Tgt Ion: 85 Resp: 1084

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

1000

800

600

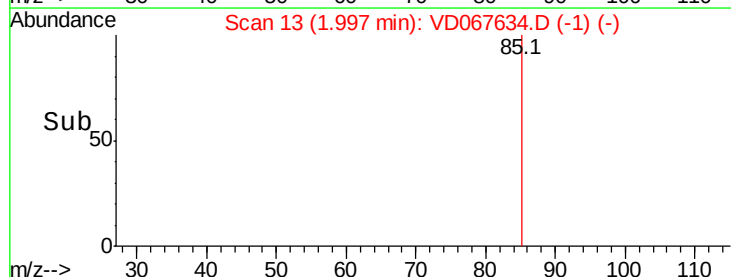
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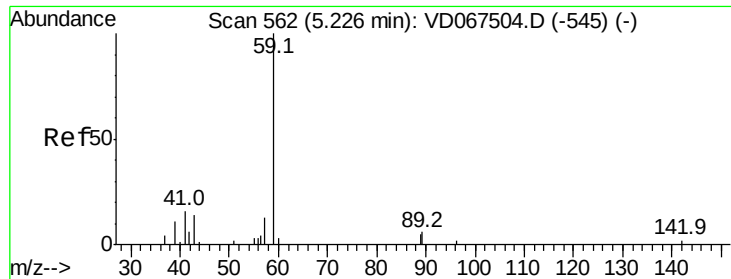
200

0

Time-->

1.94 1.96 1.98 2.00 2.02



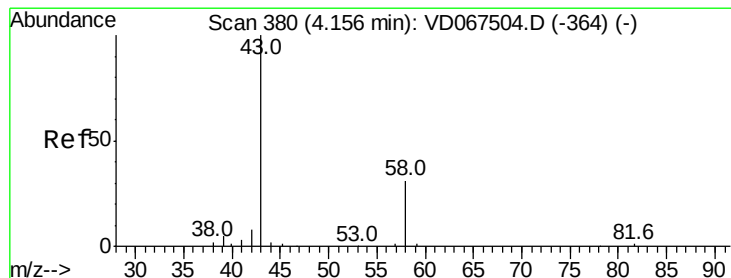
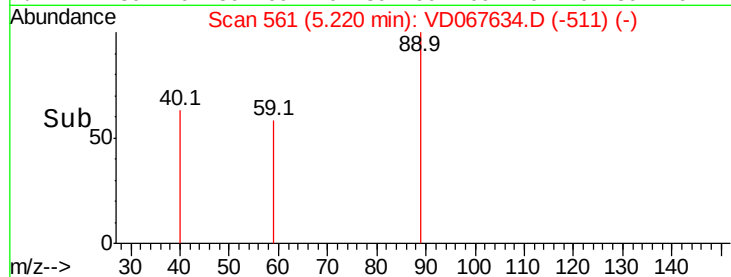
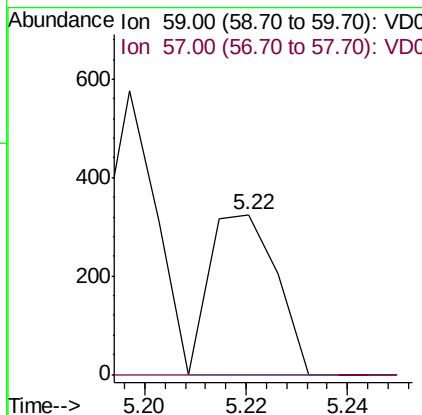
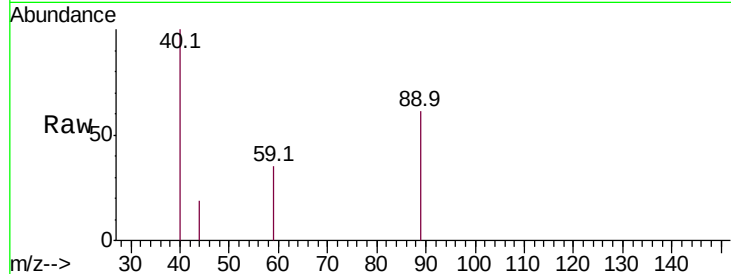


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067634.D
 Acq: 16 Nov 2020 12:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1

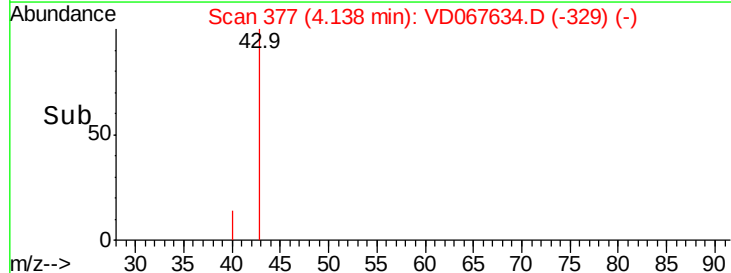
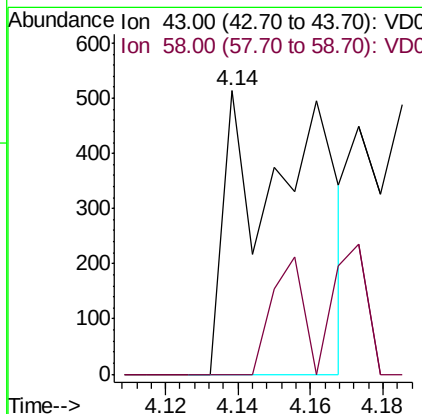
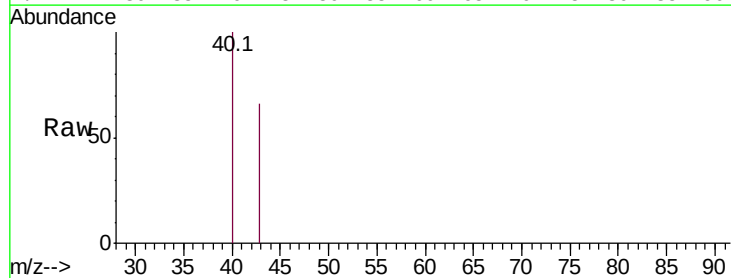
Tot Ion: 59 Resp: 298
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

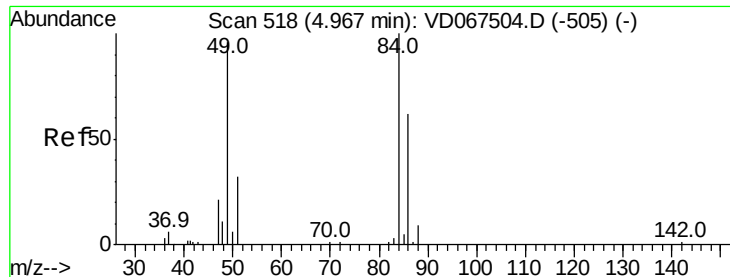


#16

Acetone
 Concen: 2.128 ug/l
 RT: 4.14 min Scan# 377
 Delta R.T. -0.02 min
 Lab File: VD067634.D
 Acq: 16 Nov 2020 12:12

Tgt Ion: 43 Resp: 801
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.2 37.8#

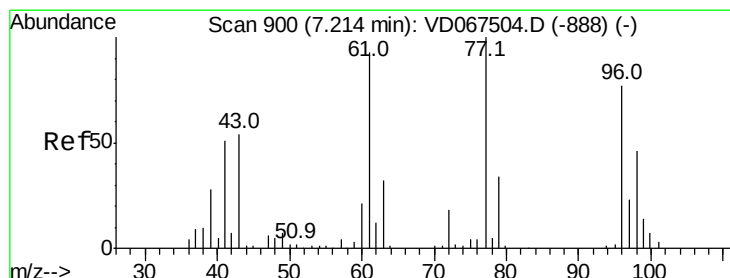
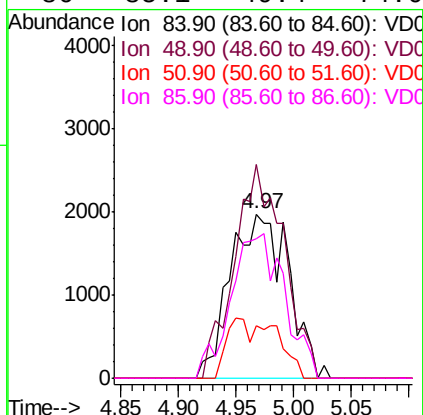
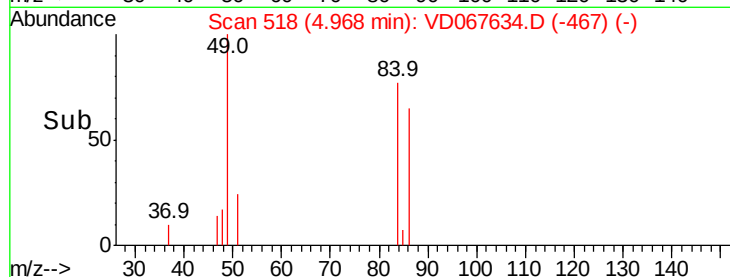
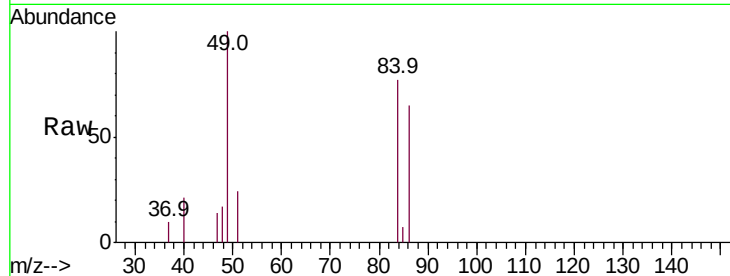




#20
Methylene Chloride
Concen: 2.607 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067634.D
Acq: 16 Nov 2020 12:12

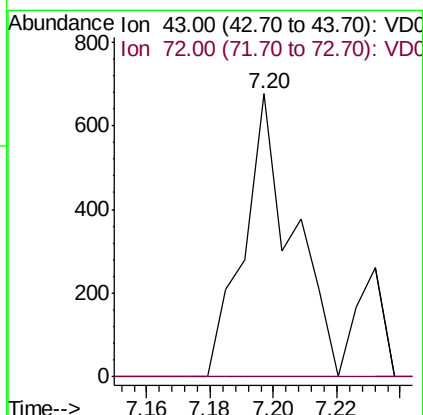
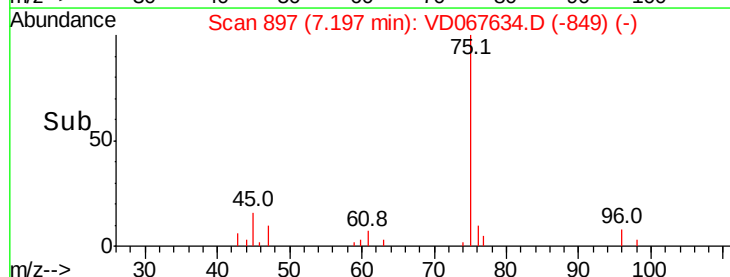
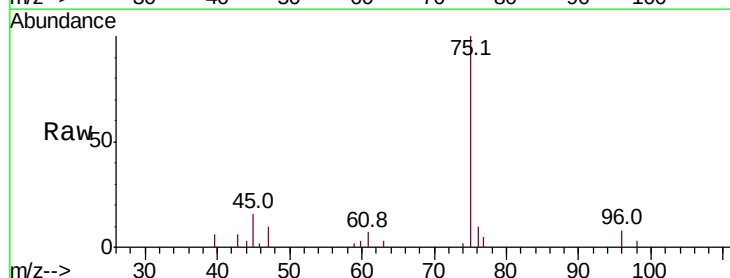
Instrument :
MSVOA_D
ClientSampleId :
SS-1

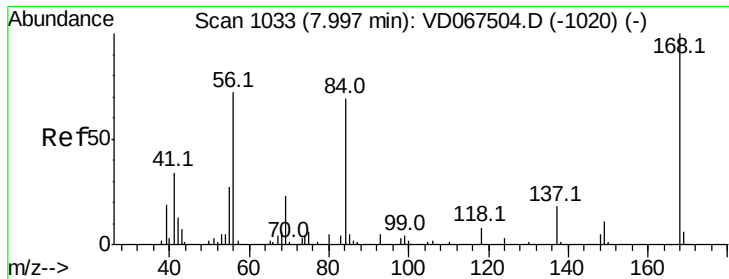
Tot Ion: 84 Resp: 6931
Ion Ratio Lower Upper
84 100
49 130.2 77.0 115.4#
51 31.8 25.4 38.2
86 85.1 49.4 74.0#



#25
2-Butanone
Concen: 1.800 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067634.D
Acq: 16 Nov 2020 12:12

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#

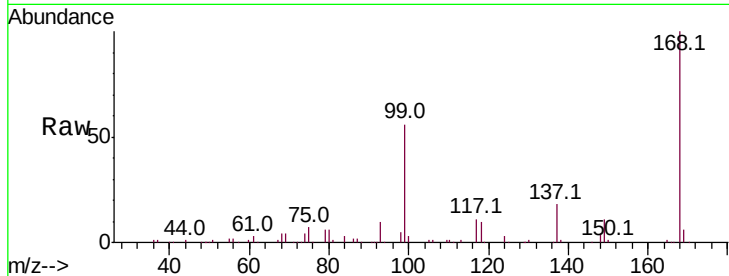




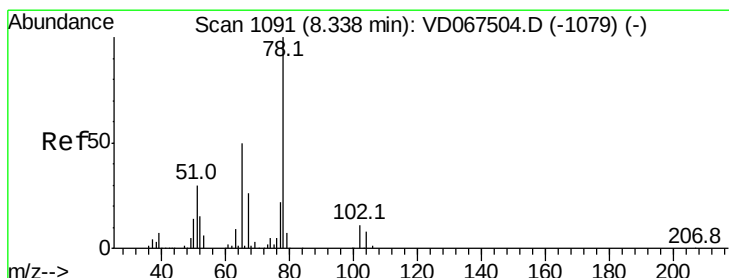
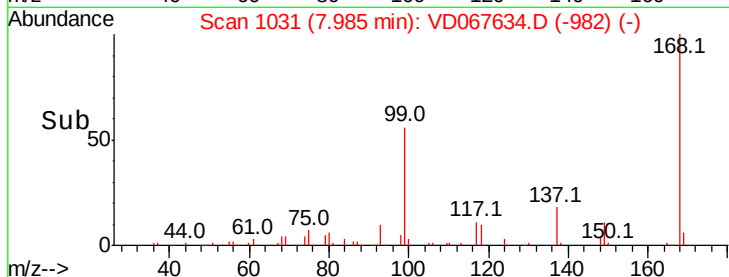
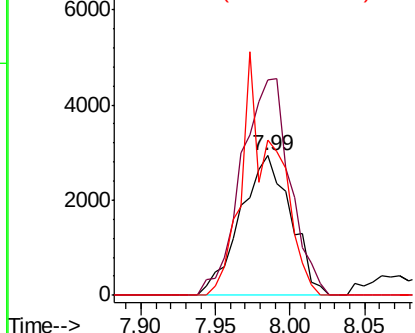
#31
Cyclohexane
Concen: 1.891 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067634.D
Acq: 16 Nov 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
SS-1

Tot Ion: 56 Resp: 6896
Ion Ratio Lower Upper
56 100
69 154.5 25.9 38.9#
84 110.9 76.2 114.4

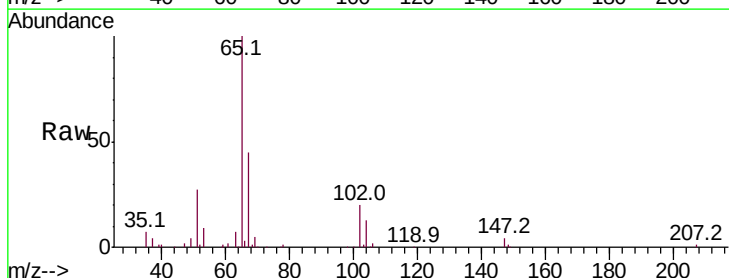


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

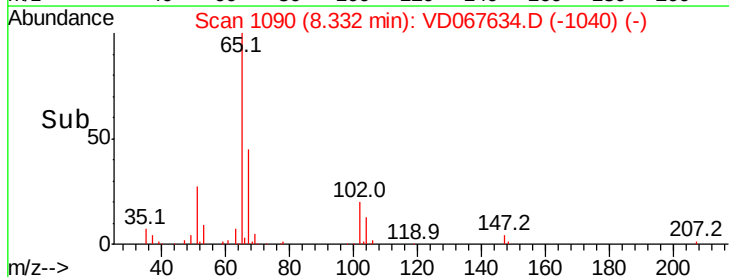
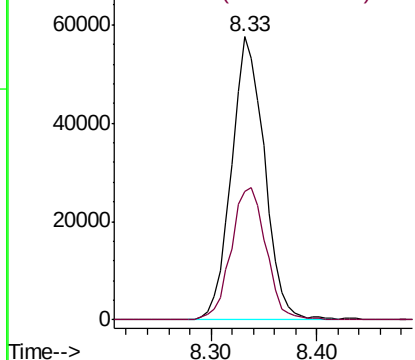


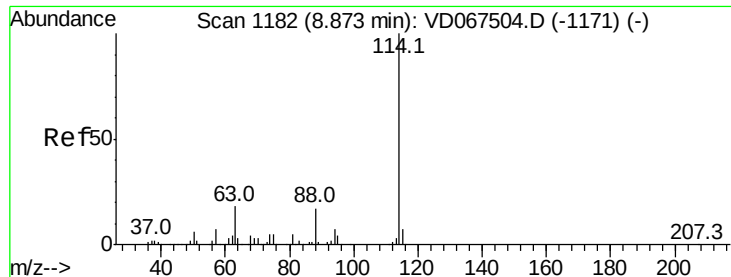
#33
1,2-Dichloroethane-d4
Concen: 49.493 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067634.D
Acq: 16 Nov 2020 12:12

Tgt Ion: 65 Resp: 124473
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.4



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

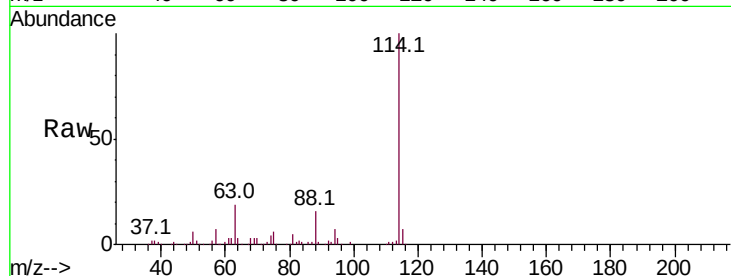




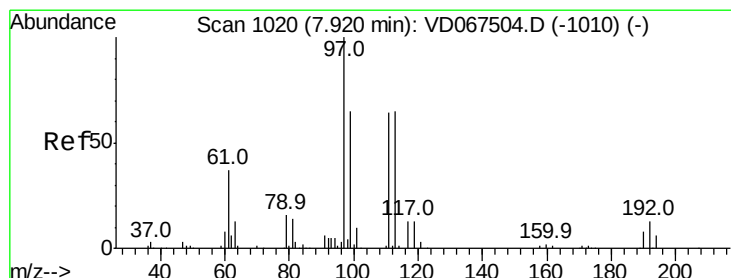
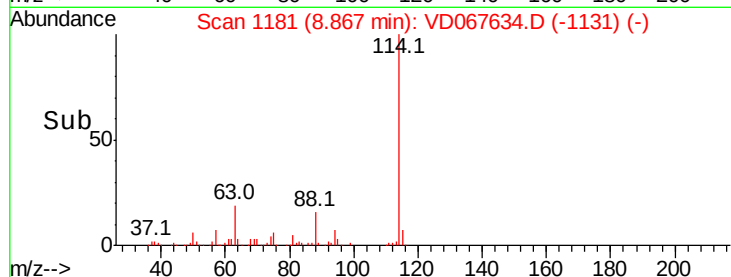
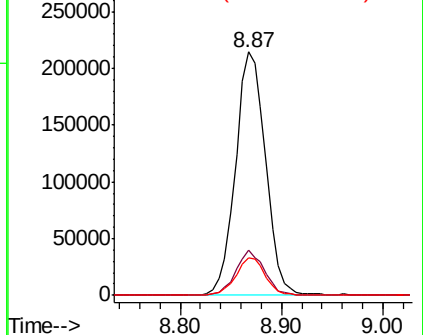
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067634.D
 Acq: 16 Nov 2020 12:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1

Tot Ion:114 Resp: 440432
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.0
 88 15.5 0.0 33.0

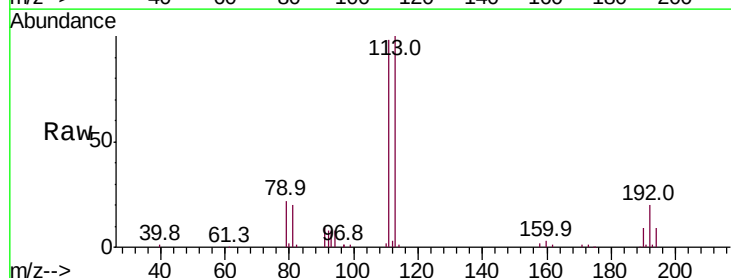


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

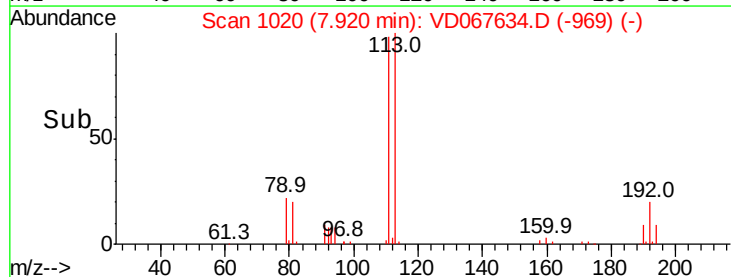
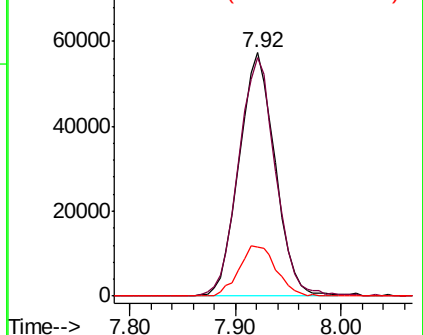


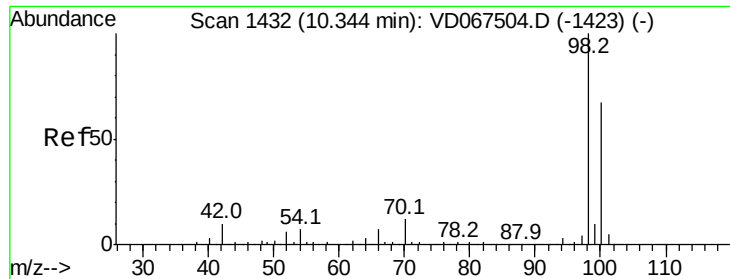
#35
 Dibromofluoromethane
 Concen: 51.212 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067634.D
 Acq: 16 Nov 2020 12:12

Tgt Ion:113 Resp: 135895
 Ion Ratio Lower Upper
 113 100
 111 100.6 80.0 120.0
 192 21.3 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





#50

Toluene-d8

Concen: 55.082 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

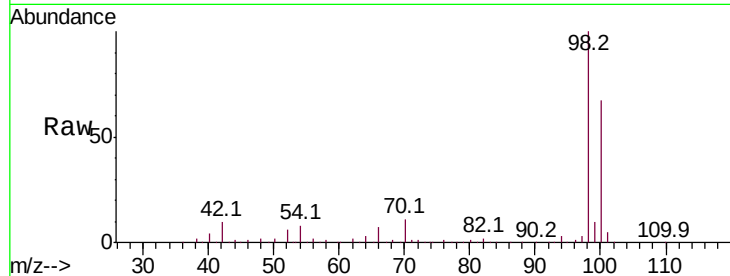
SS-1

Tot Ion: 98 Resp: 513659

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

10.34

300000

250000

200000

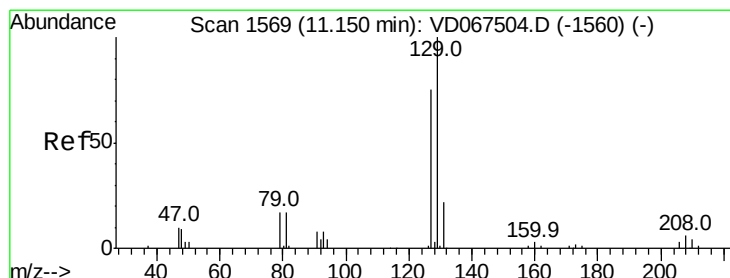
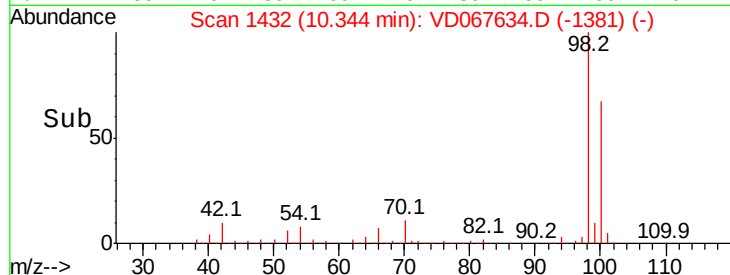
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#60

Dibromochloromethane

Concen: 4.976 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.27 min

Lab File: VD067634.D

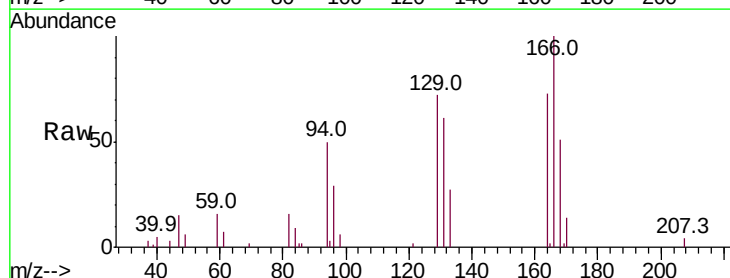
Acq: 16 Nov 2020 12:12

Tgt Ion:129 Resp: 13673

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.88

8000

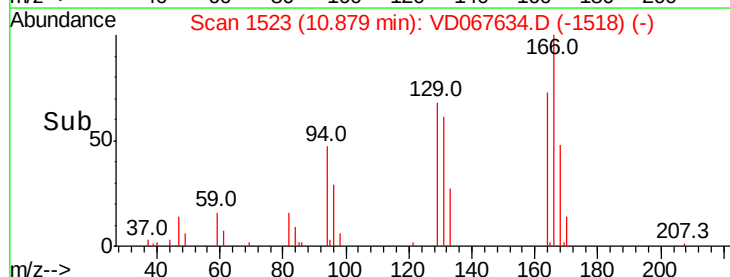
6000

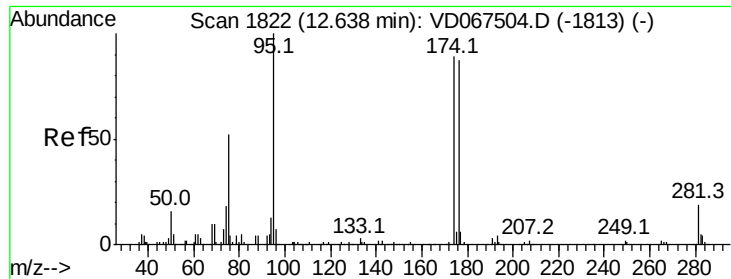
4000

2000

0

Time--> 10.85 10.90





#62

4-Bromofluorobenzene

Concen: 58.868 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

SS-1

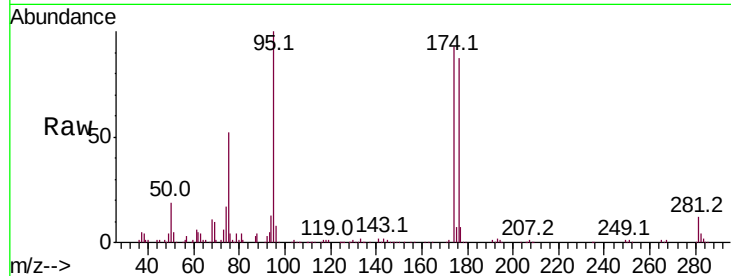
Tot Ion: 95 Resp: 189528

Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.8

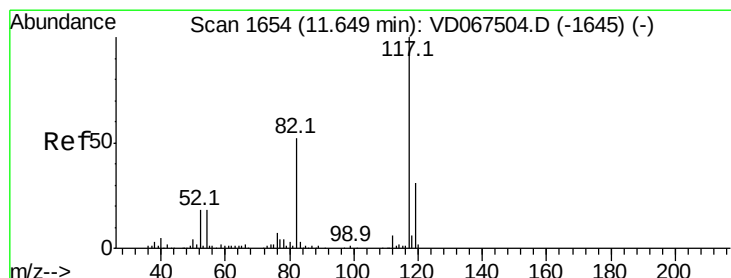
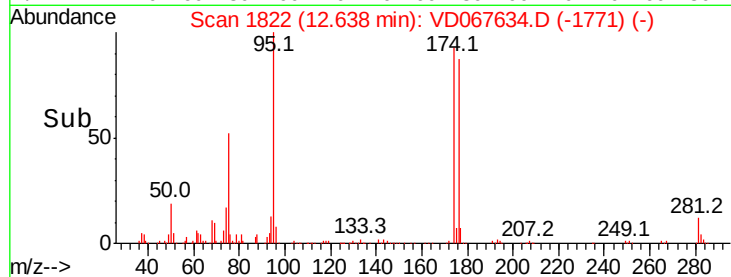
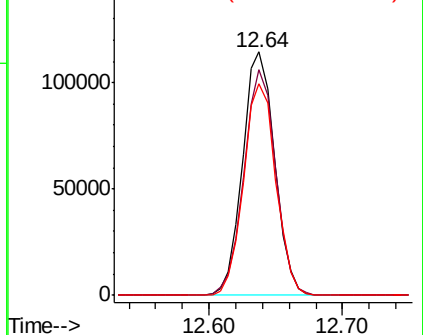
176 87.3 0.0 172.0



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: VD067634.D

Acq: 16 Nov 2020 12:12

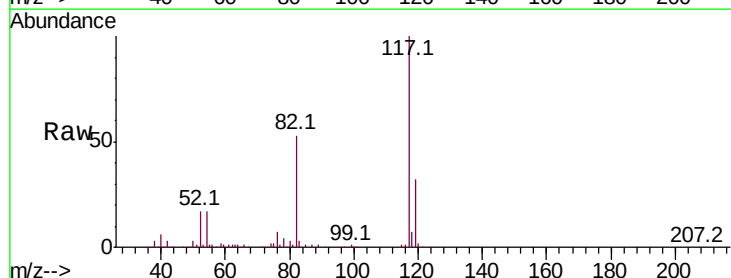
Tgt Ion: 117 Resp: 447416

Ion Ratio Lower Upper

117 100

82 52.9 41.6 62.4

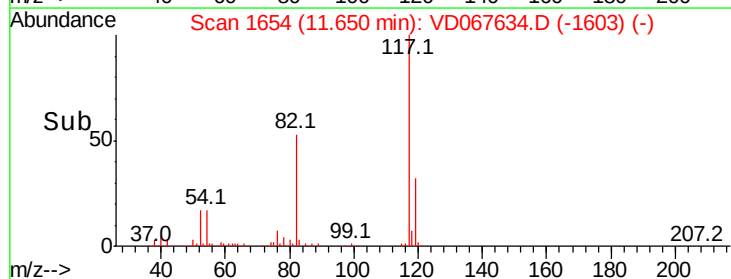
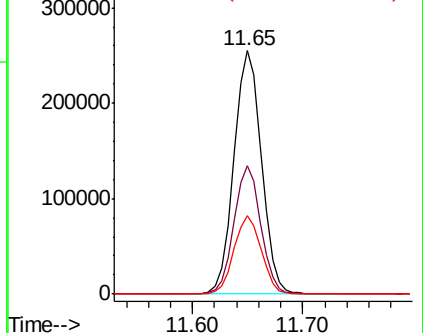
119 32.4 25.1 37.7

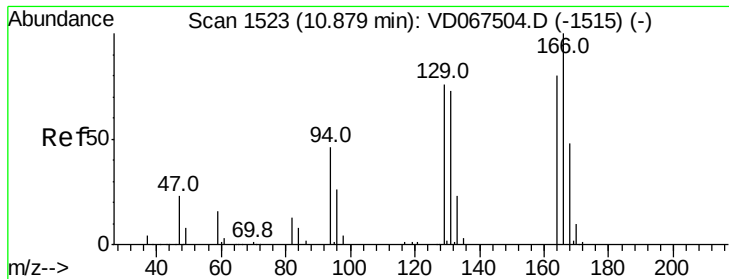


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.535 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. 0.01 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

SS-1

Tot Ion:164 Resp: 15027

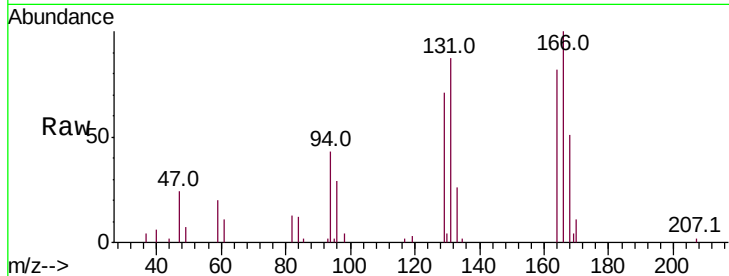
Ion Ratio Lower Upper

164 100

166 122.7 99.9 149.9

129 86.6 75.5 113.3

131 107.1 73.4 110.0

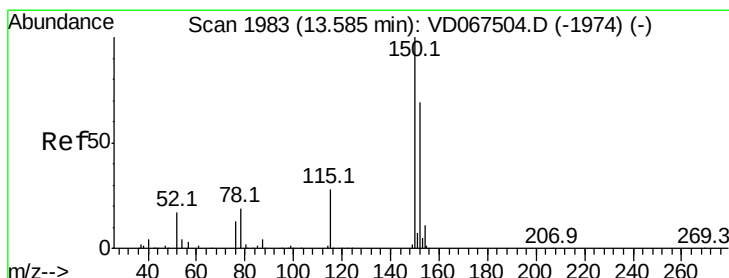
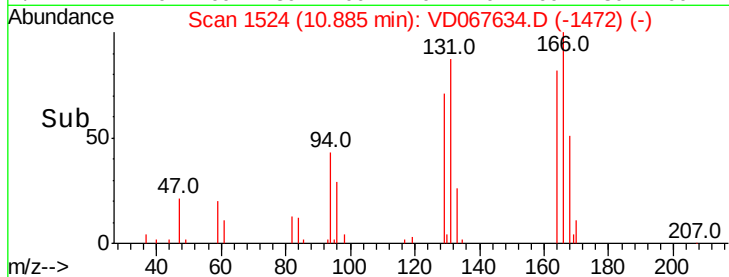
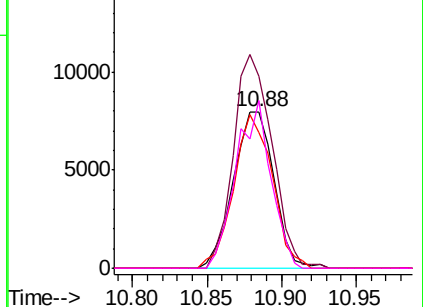


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067634.D

Acq: 16 Nov 2020 12:12

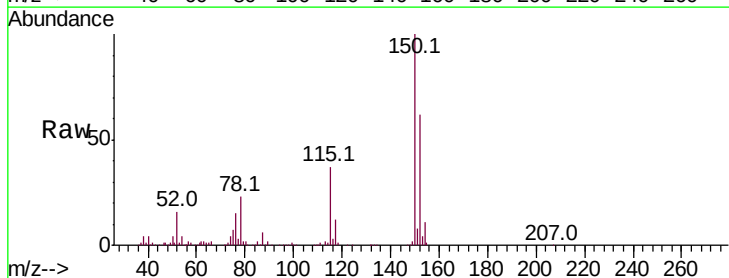
Tgt Ion:152 Resp: 209153

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

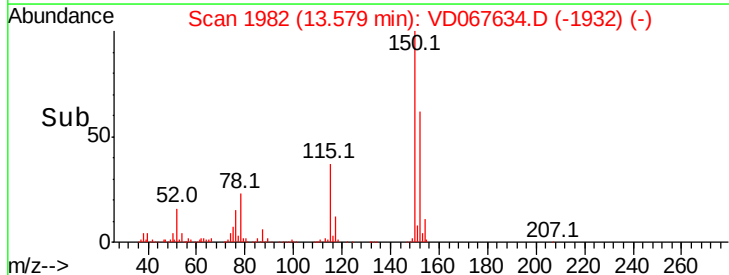
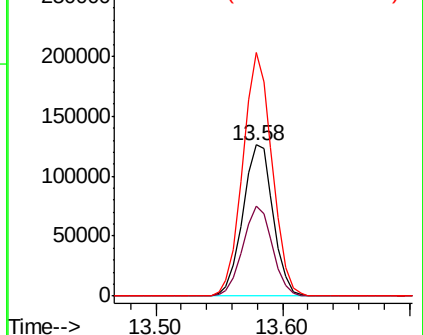
150 155.3 0.0 338.2

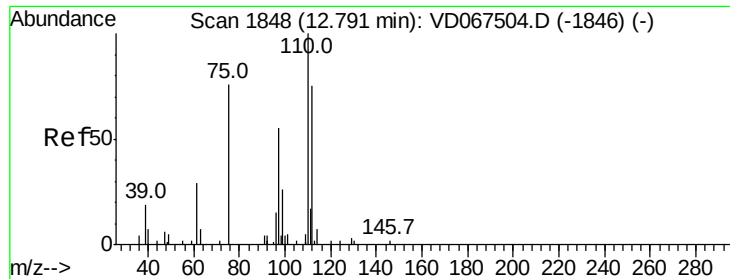


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 77.592 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

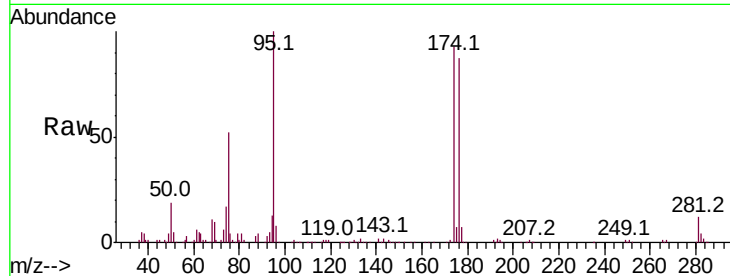
SS-1

Tot Ion: 75 Resp: 97900

Ion Ratio Lower Upper

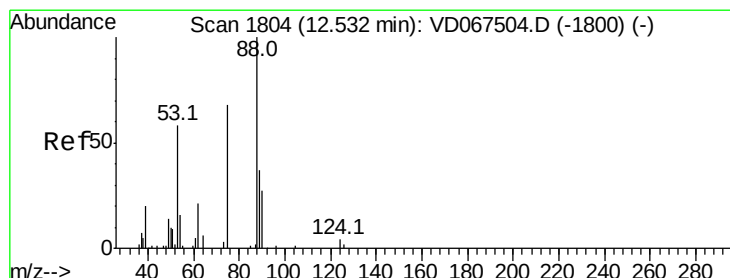
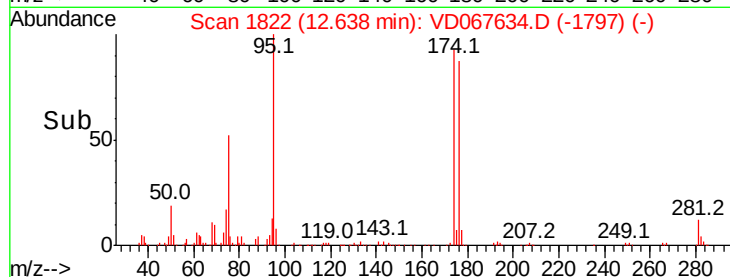
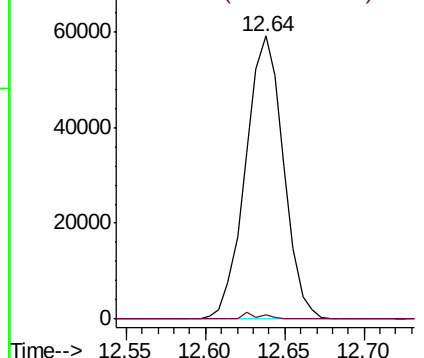
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 157.532 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067634.D

Acq: 16 Nov 2020 12:12

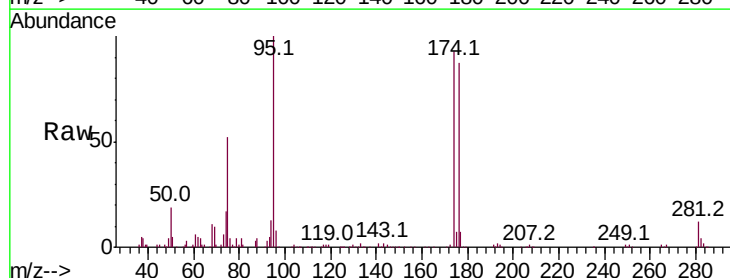
Tgt Ion: 75 Resp: 97900

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 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

