

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067695.D
 Acq On : 18 Nov 2020 19:28
 Operator : VA/SY
 Sample : L4778-07
 Misc : 3.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 358

Quant Time: Nov 19 00:29:05 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	270983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222029	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	130132	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.92	113	131680	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.34	98	498684	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	204156	65.87	ug/l	0.00
Spiked Amount			Recovery	=	131.74%	

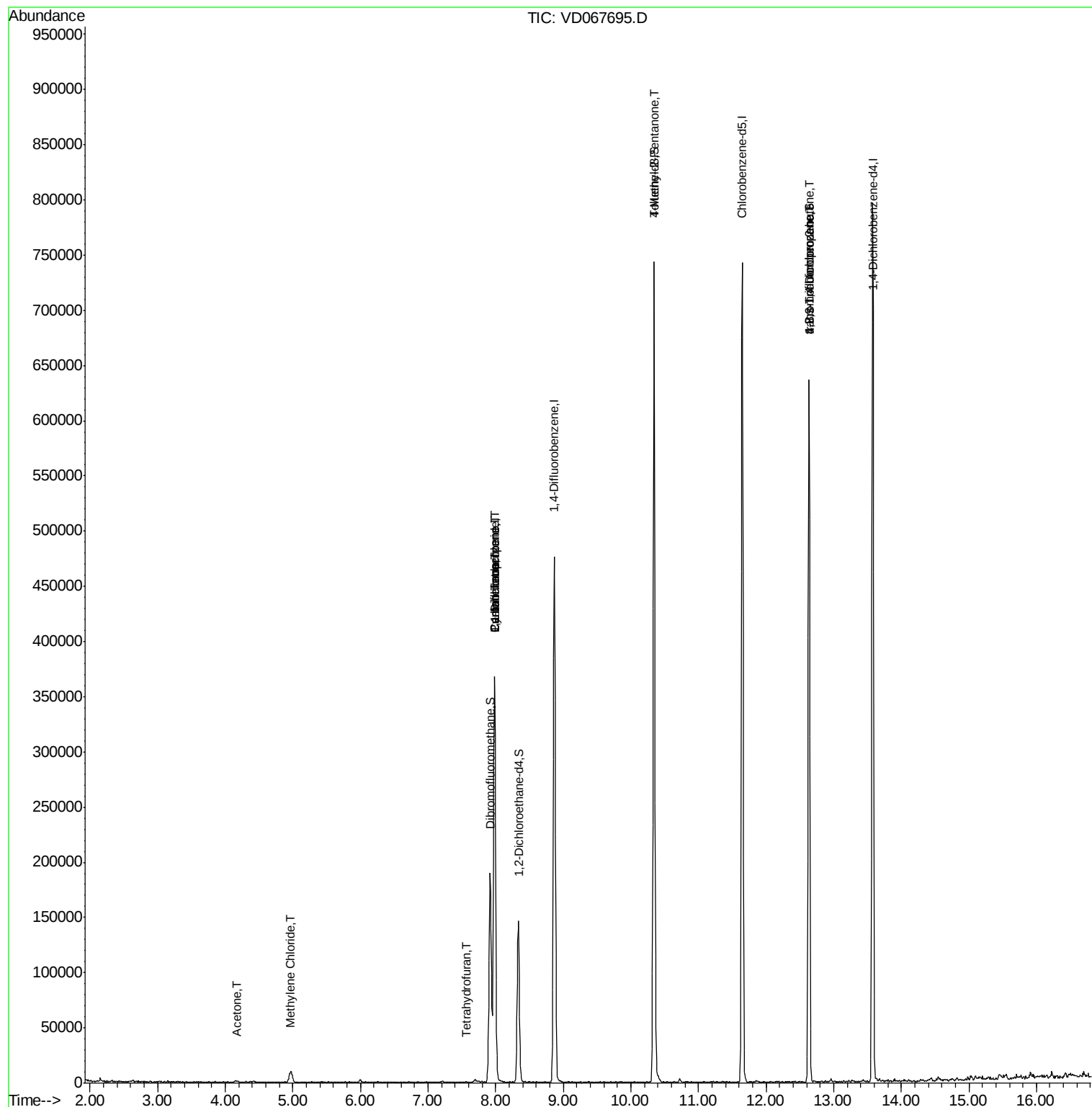
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	2355	6.642	ug/l #	74
20) Methylene Chloride	4.96	84	4816	1.923	ug/l #	89
29) Tetrahydrofuran	7.58	42	333	1.467	ug/l #	57
31) Cyclohexane	7.98	56	5153	1.499	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19128	5.270	ug/l #	50
38) Carbon Tetrachloride	7.98	117	29169	6.186	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1869	2.097	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	105055	78.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105055	159.242	ug/l #	10

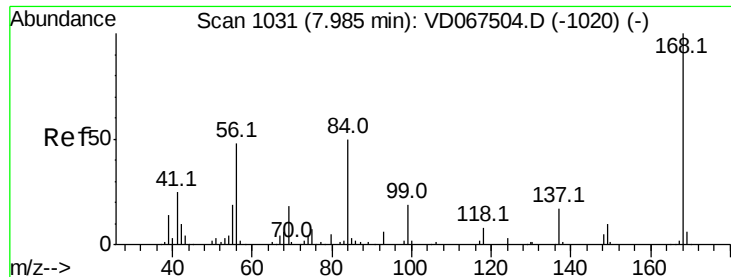
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampleId :

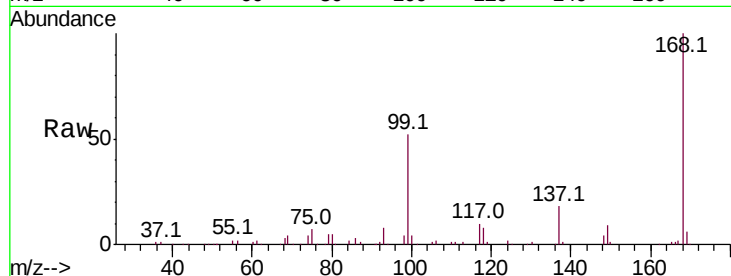
358

Tot Ion:168 Resp: 270983

Ion Ratio Lower Upper

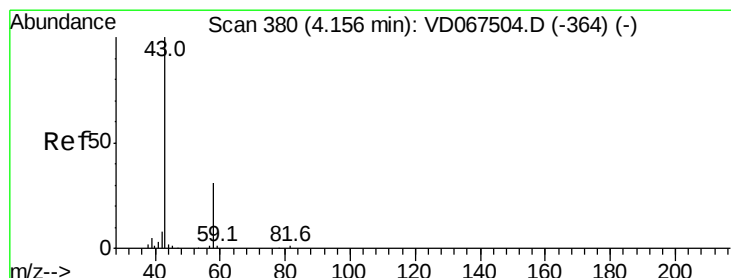
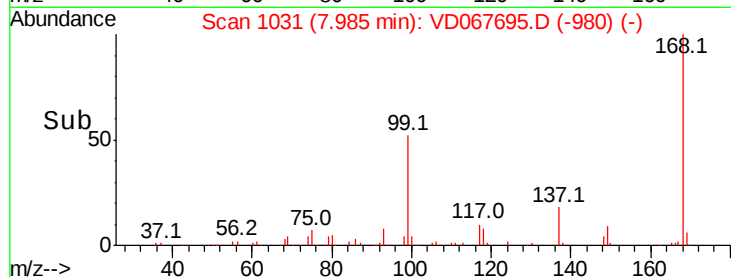
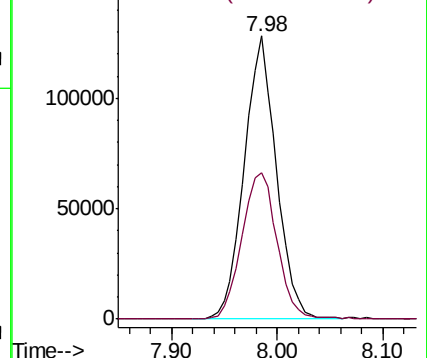
168 100

99 51.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 6.642 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067695.D

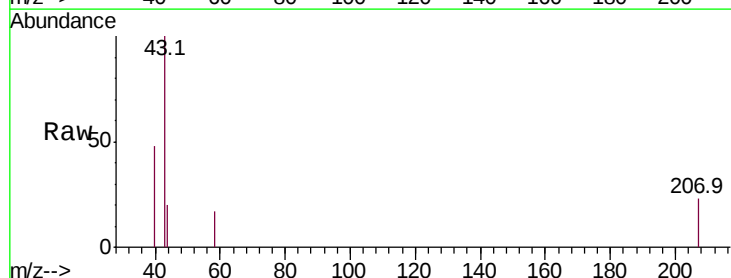
Acq: 18 Nov 2020 19:28

Tgt Ion: 43 Resp: 2355

Ion Ratio Lower Upper

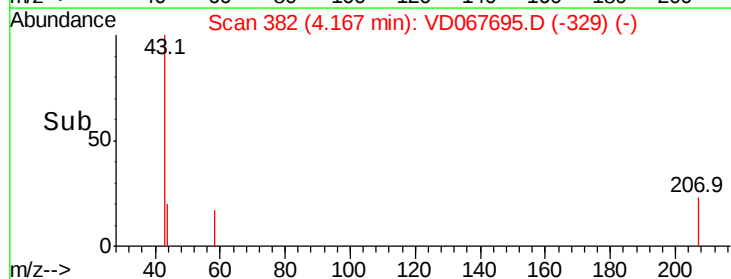
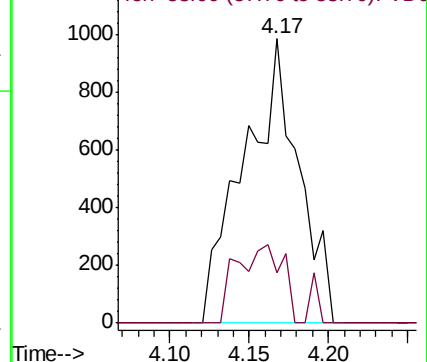
43 100

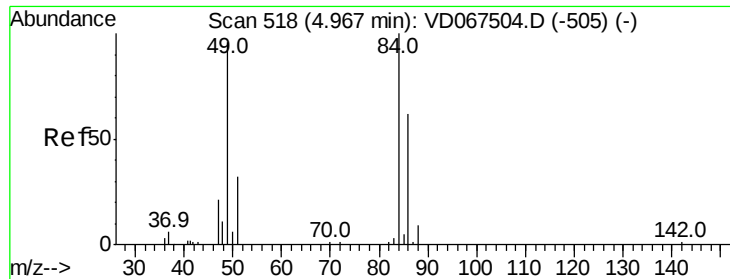
58 17.3 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

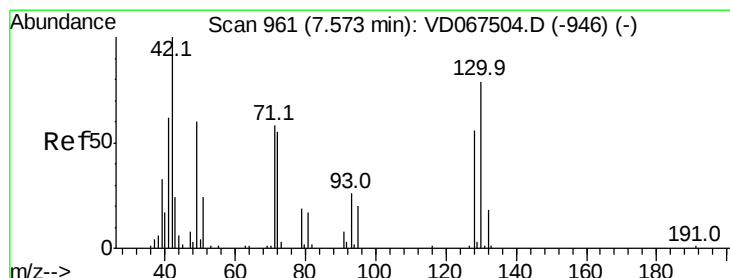
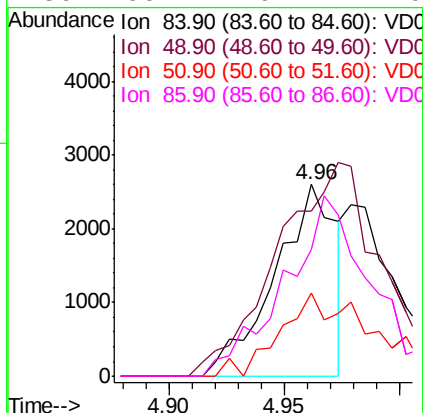
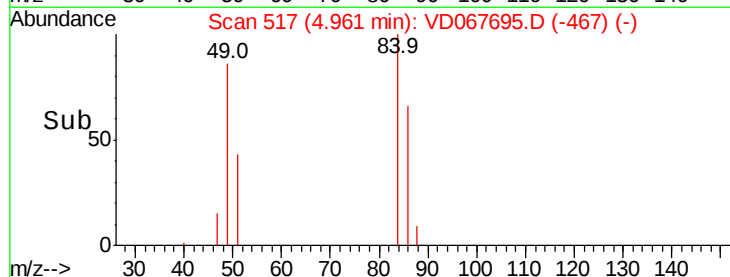
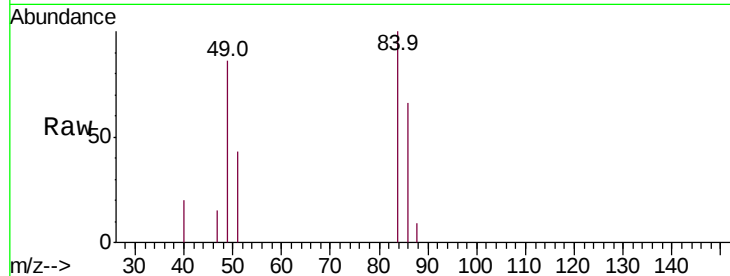




#20
Methvlene Chloride
Concen: 1.923 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

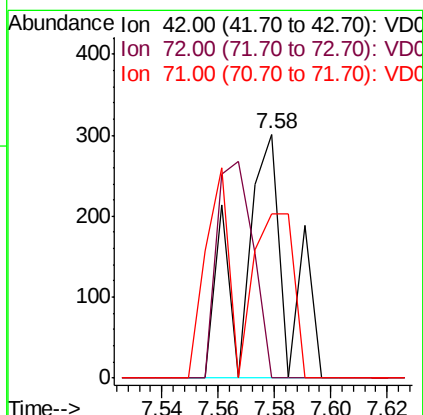
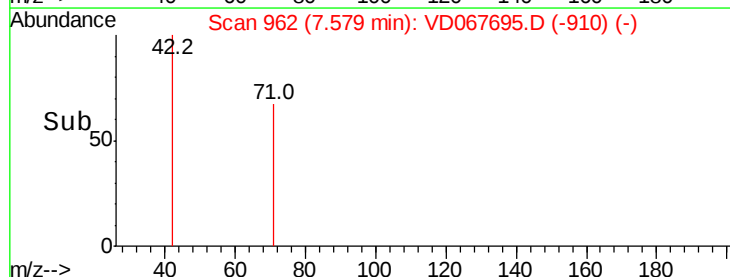
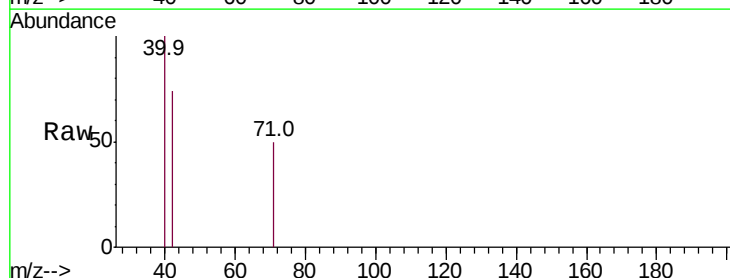
Instrument :
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358

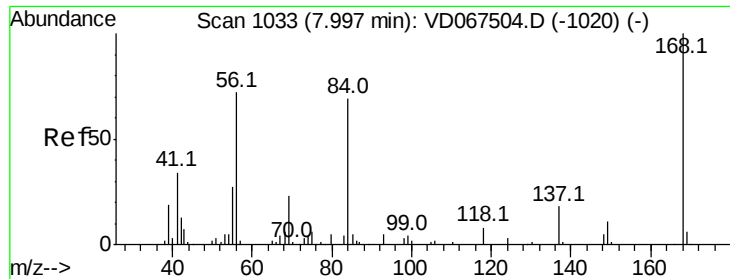
Tot Ion: 84 Resp: 4816
Ion Ratio Lower Upper
84 100
49 86.4 77.0 115.4
51 43.2 25.4 38.2#
86 66.4 49.4 74.0



#29
Tetrahydrofuran
Concen: 1.467 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

Tgt Ion: 42 Resp: 333
Ion Ratio Lower Upper
42 100
72 0.0 46.3 69.5#
71 59.8 44.0 66.0

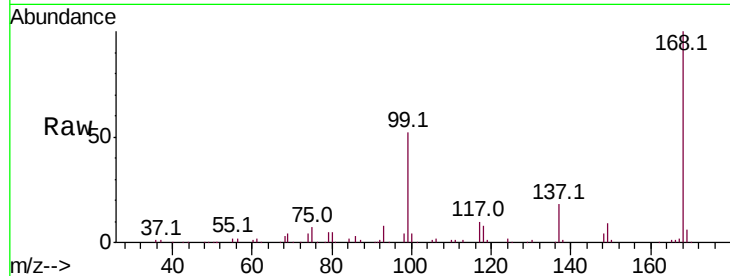




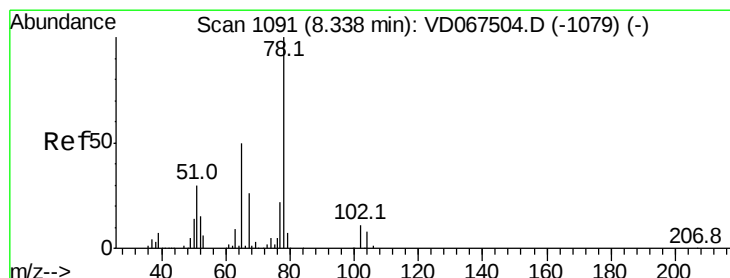
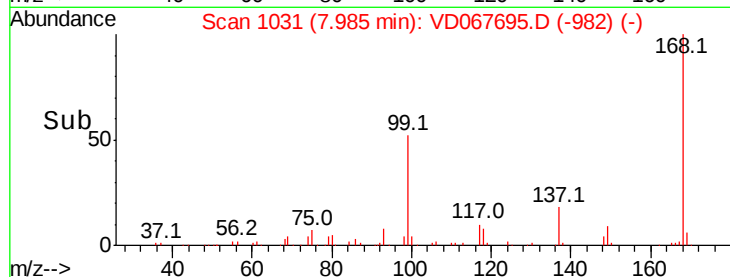
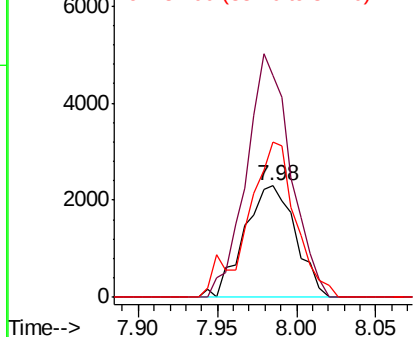
#31
Cyclohexane
Concen: 1.499 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

Instrument :
MSVOA_D
ClientSampleId :
358

Tot Ion: 56 Resp: 5153
Ion Ratio Lower Upper
56 100
69 198.1 25.9 38.9#
84 139.1 76.2 114.4#

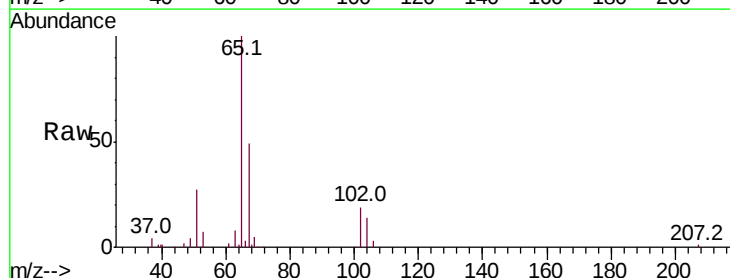


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

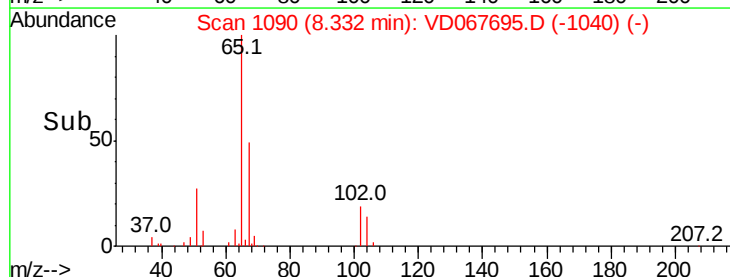
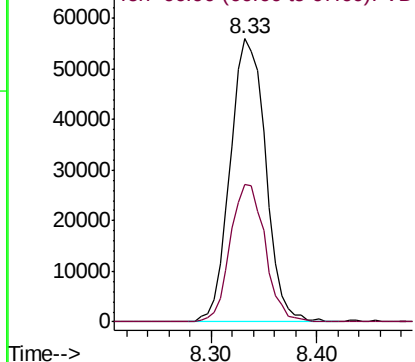


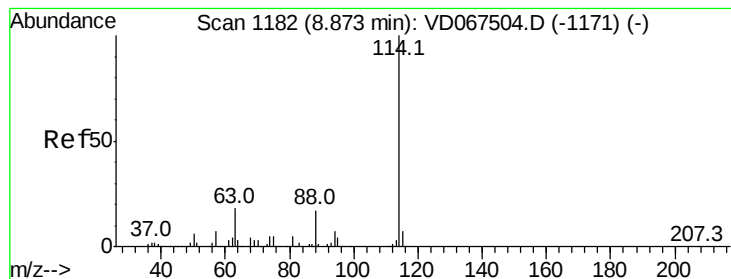
#33
1,2-Dichloroethane-d4
Concen: 54.921 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

Tgt Ion: 65 Resp: 130132
Ion Ratio Lower Upper
65 100
67 47.8 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: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampled :

358

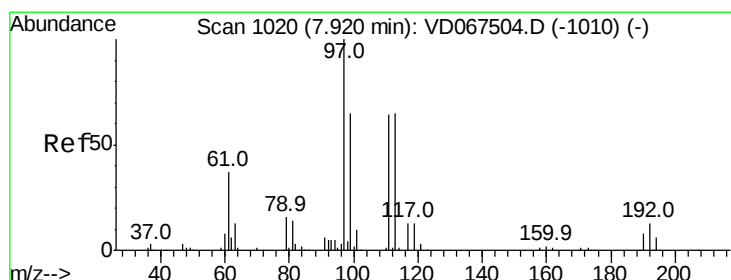
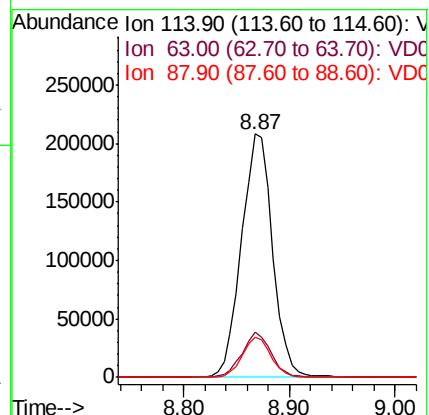
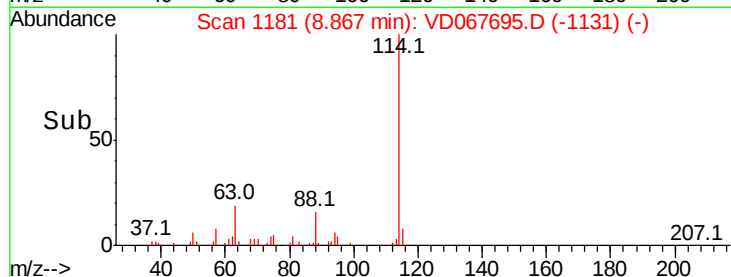
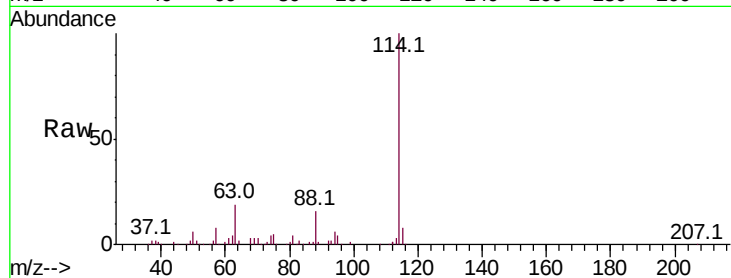
Tot Ion:114 Resp: 424005

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 16.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 51.546 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

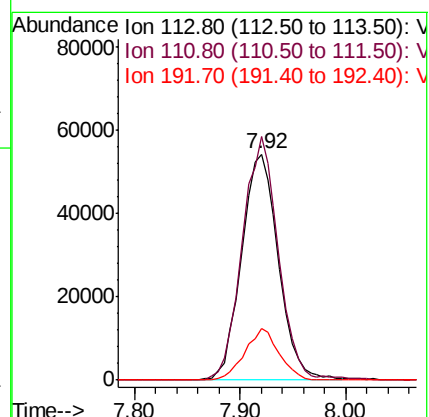
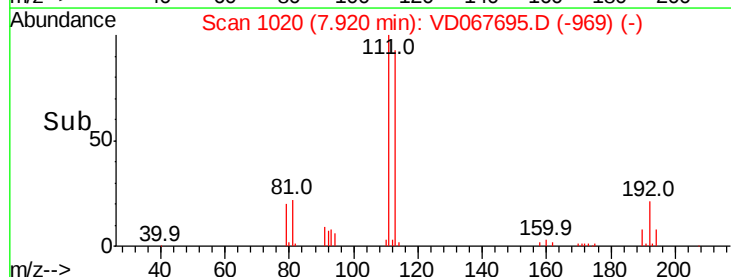
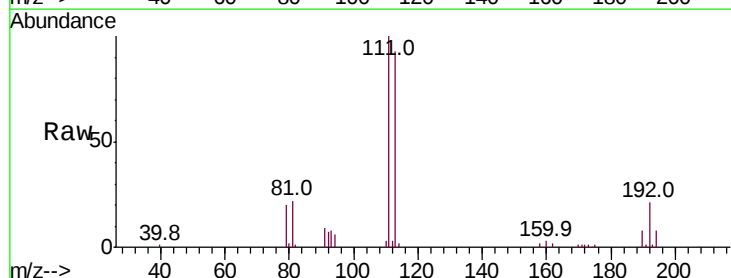
Tgt Ion:113 Resp: 131680

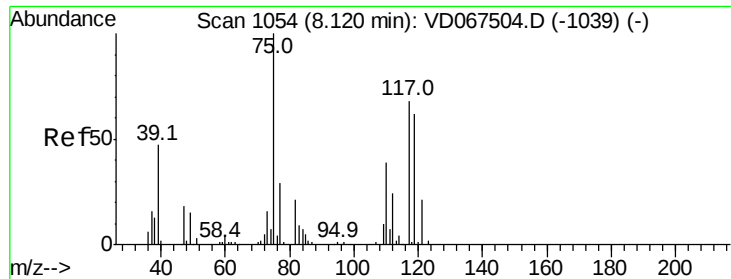
Ion Ratio Lower Upper

113 100

111 105.3 80.0 120.0

192 20.9 16.3 24.5





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampled :

358

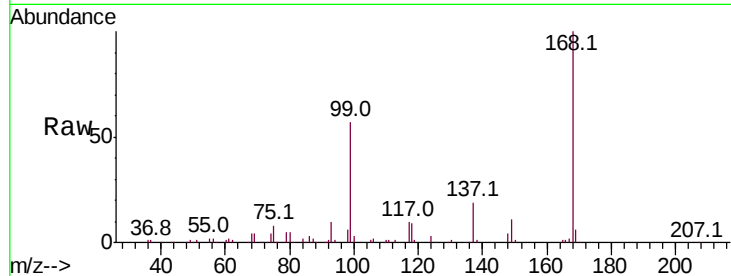
Tot Ion: 75 Resp: 19128

Ion Ratio Lower Upper

75 100

110 12.2 19.9 59.7#

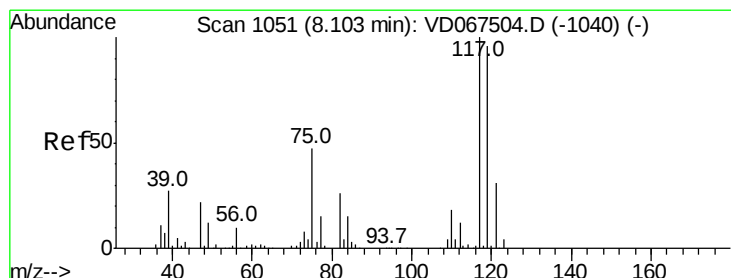
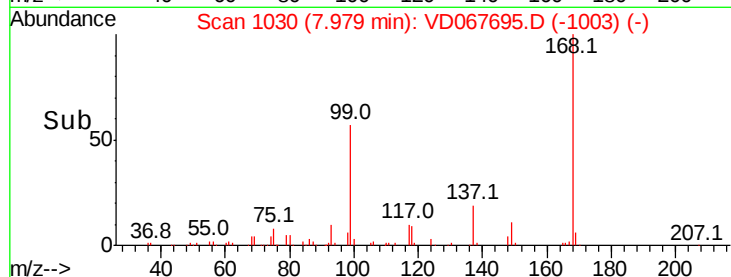
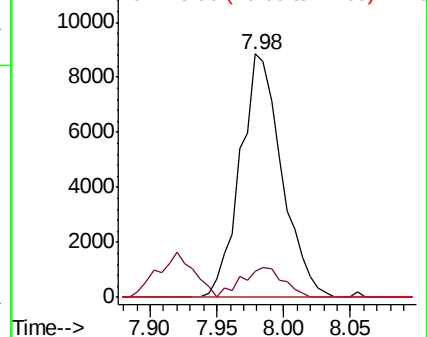
77 0.0 24.8 37.2#



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: 6.186 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

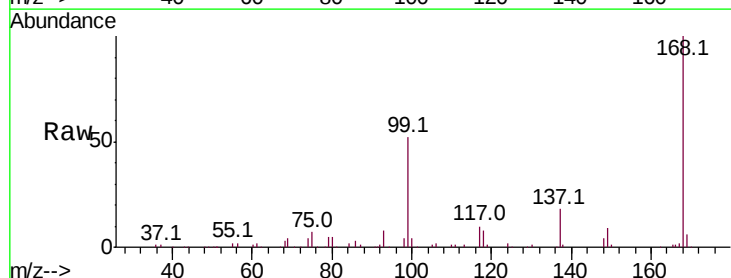
Tgt Ion: 117 Resp: 29169

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

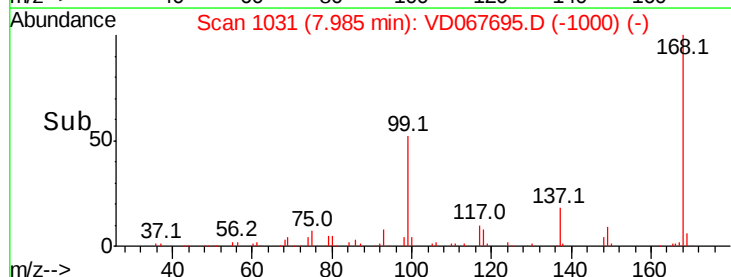
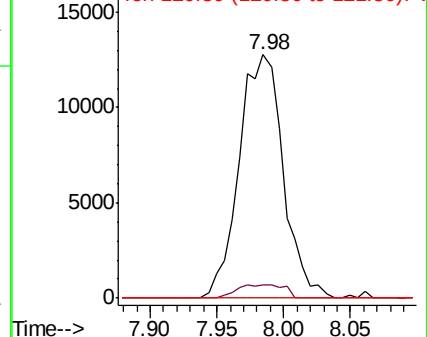
121 0.0 24.5 36.7#

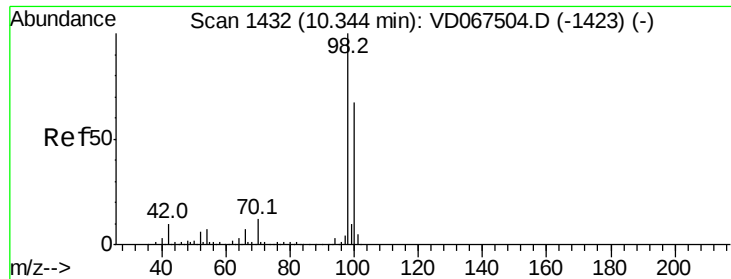


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 55.548 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampleId :

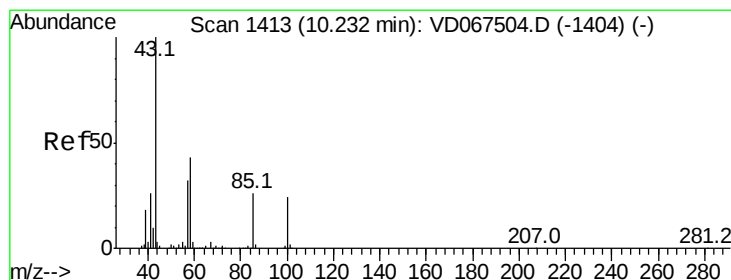
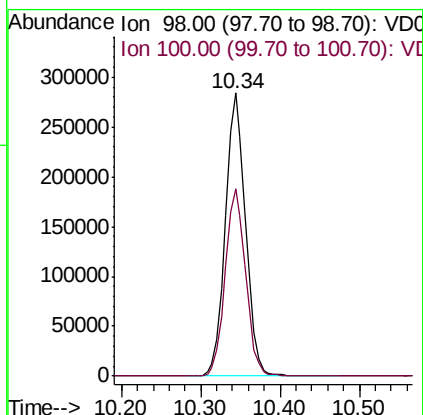
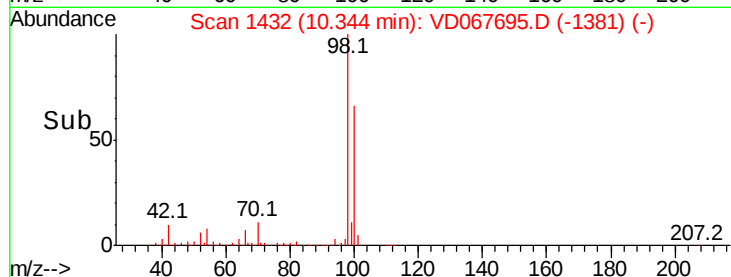
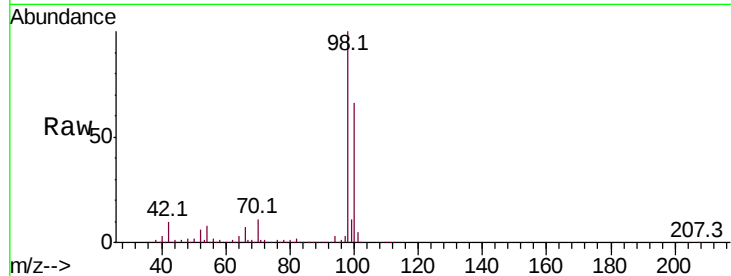
358

Tot Ion: 98 Resp: 498684

Ion Ratio Lower Upper

98 100

100 67.2 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 2.097 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067695.D

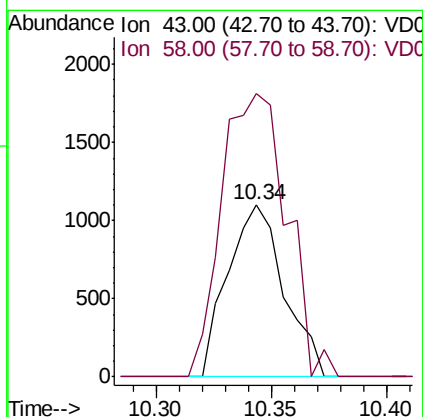
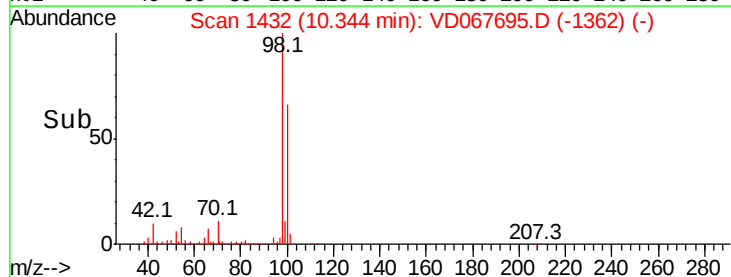
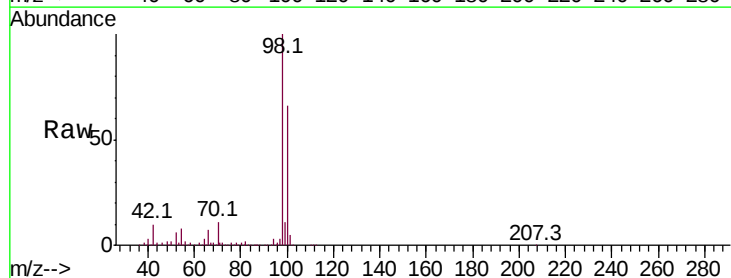
Acq: 18 Nov 2020 19:28

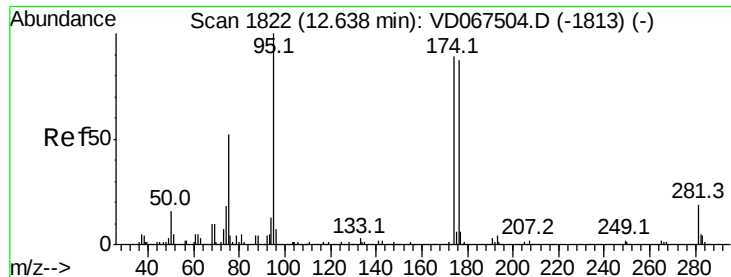
Tgt Ion: 43 Resp: 1869

Ion Ratio Lower Upper

43 100

58 189.9 35.6 53.4#

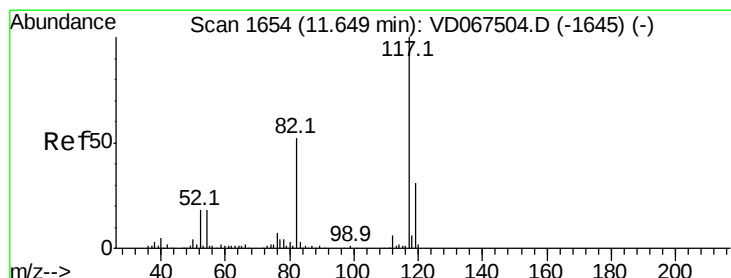
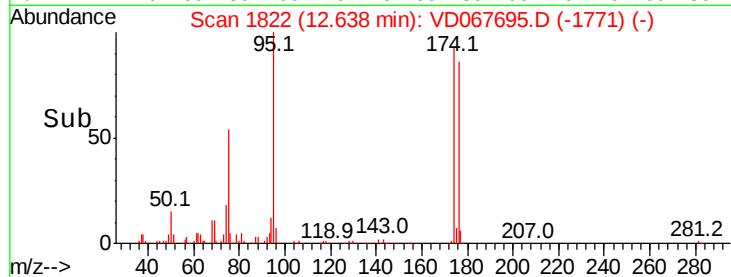
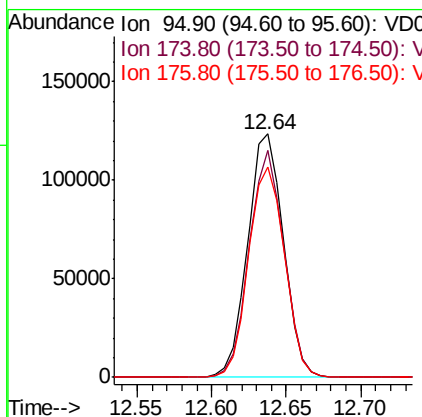
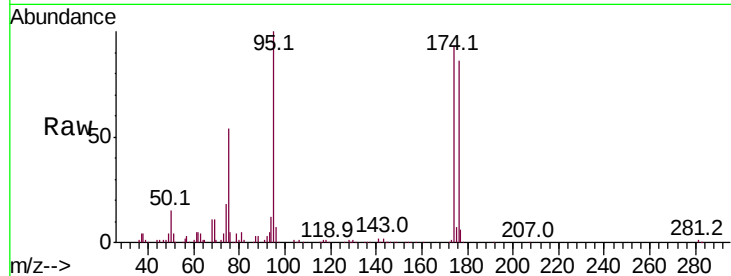




#62
4-Bromofluorobenzene
Concen: 65.868 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

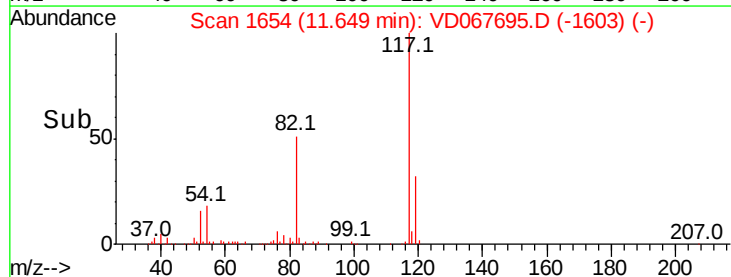
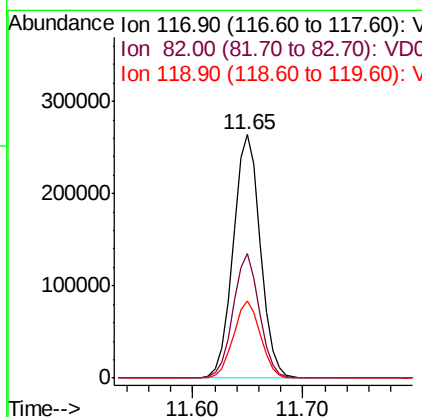
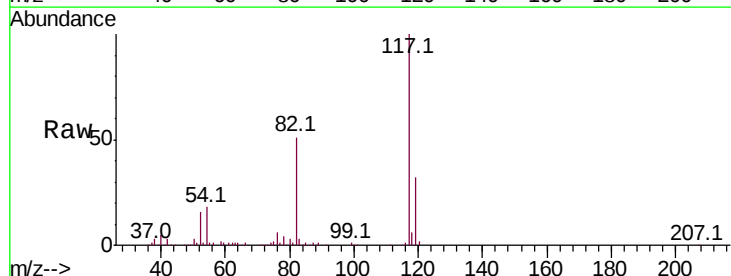
Instrument :
MSVOA_D
ClientSampleId :
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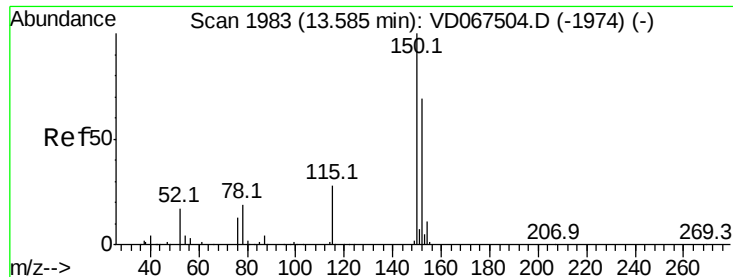
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	177.8
176	86.8	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067695.D
Acq: 18 Nov 2020 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.6	62.4
119	31.9	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampleId :

358

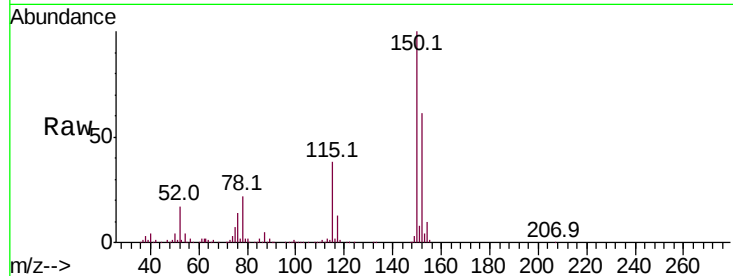
Tot Ion:152 Resp: 222029

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

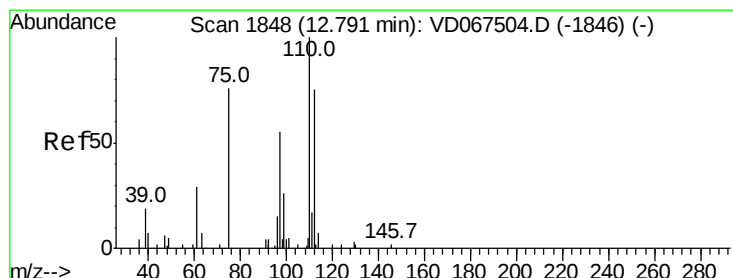
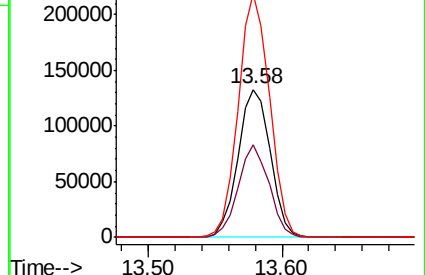
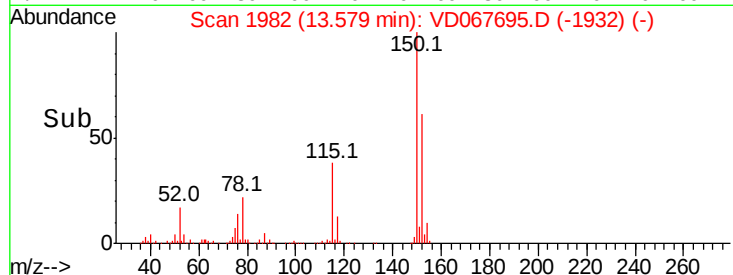
150 159.5 0.0 338.2



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: 78.434 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067695.D

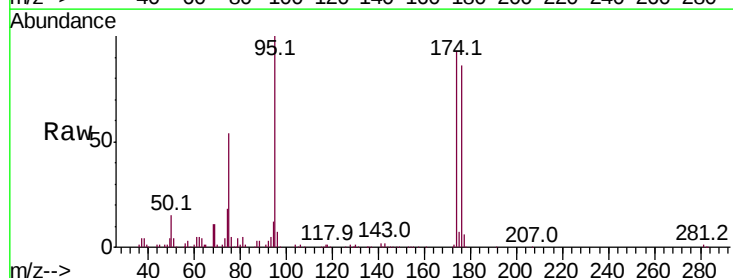
Acq: 18 Nov 2020 19:28

Tgt Ion: 75 Resp: 105055

Ion Ratio Lower Upper

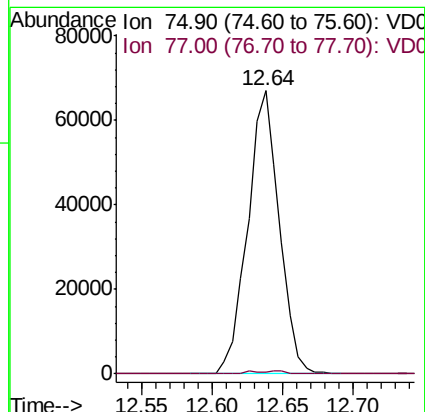
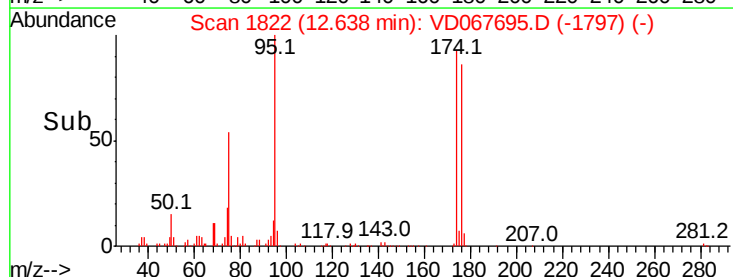
75 100

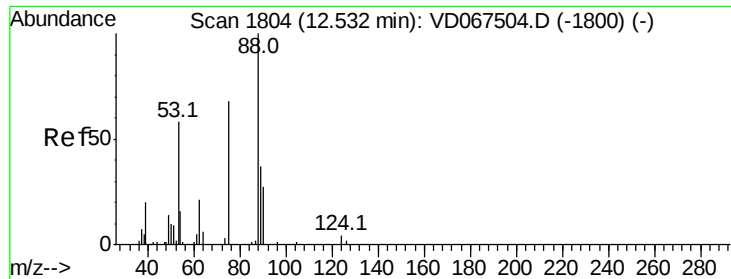
77 0.6 0.0 0.0#



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: 159.242 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067695.D

Acq: 18 Nov 2020 19:28

Instrument :

MSVOA_D

ClientSampleId :

358

Tot Ion: 75 Resp: 105055

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.1 44.6 67.0#

