

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067691.D
 Acq On : 18 Nov 2020 17:40
 Operator : VA/SY
 Sample : L4787-08
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-DUP-20201116

Quant Time: Nov 19 00:28:21 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	184345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	242314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	98594	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	87057	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	7.92	113	87779	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.34	98	307239	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.64	95	95967	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

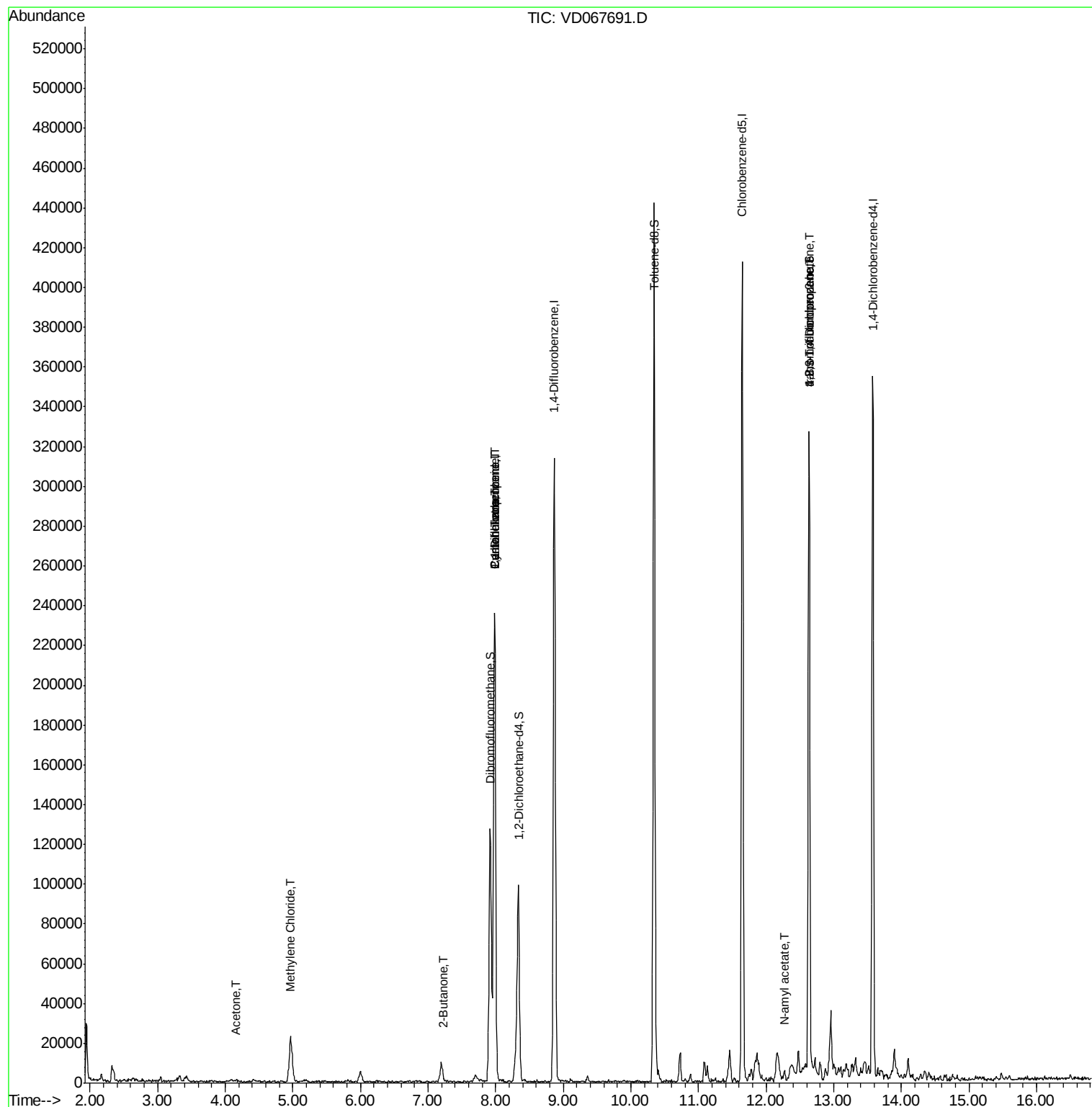
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	425	Below Cal		98
11) Tert butyl alcohol	5.20	59	642	Below Cal	#	79
16) Acetone	4.16	43	1082	4.486	ug/l #	84
20) Methylene Chloride	4.96	84	19476	11.430	ug/l	97
25) 2-Butanone	7.23	43	562	2.180	ug/l	98
31) Cyclohexane	7.98	56	4362	1.866	ug/l #	68
36) 1,1-Dichloropropene	7.98	75	11783	4.888	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17630	5.629	ug/l #	15
74) N-amyl acetate	12.27	43	1322	1.577	ug/l #	53
76) 1,2,3-Trichloropropane	12.64	75	51532	86.641	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51532	175.904	ug/l #	10

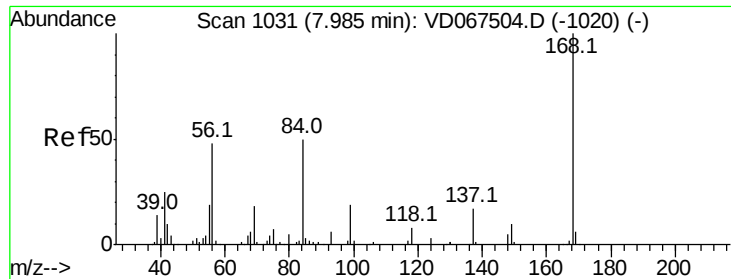
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
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Quant Time: Nov 19 00:28:21 2020
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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# 1031

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

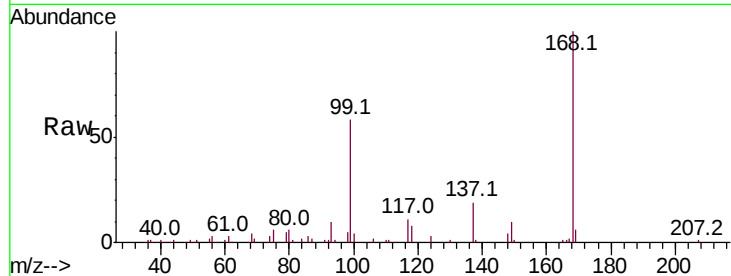
BP-VPB178-DUP-20201116

Tot Ion:168 Resp: 184345

Ion Ratio Lower Upper

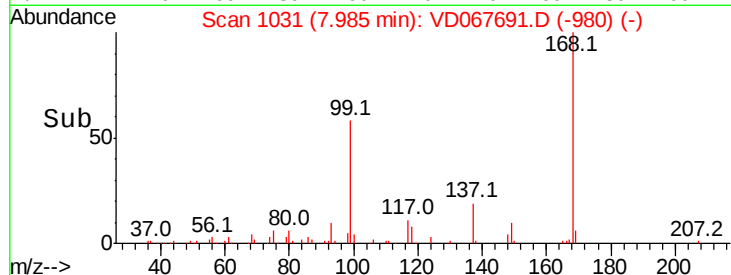
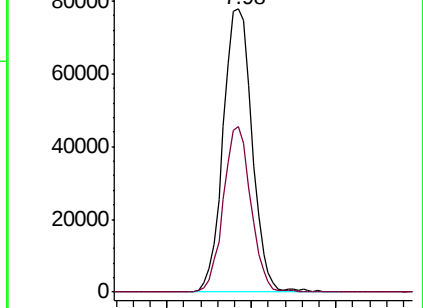
168 100

99 58.4 45.0 67.6

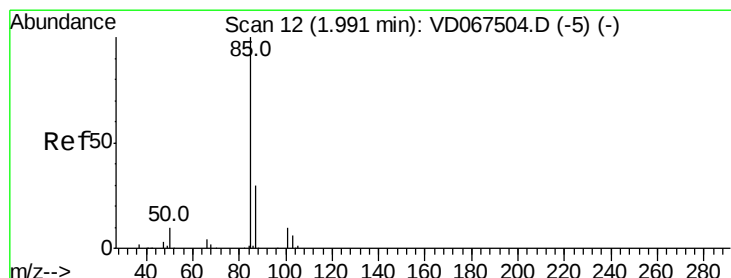


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067691.D

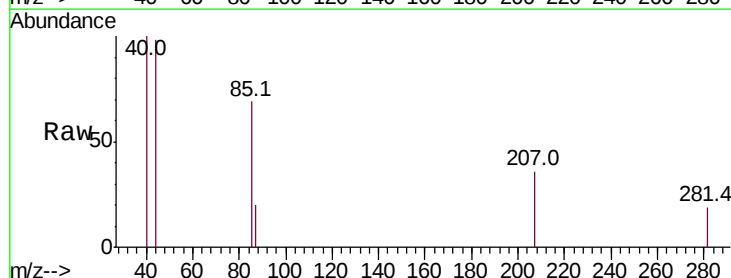
Acq: 18 Nov 2020 17:40

Tgt Ion: 85 Resp: 425

Ion Ratio Lower Upper

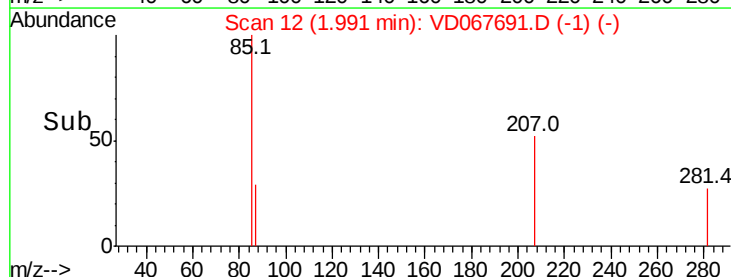
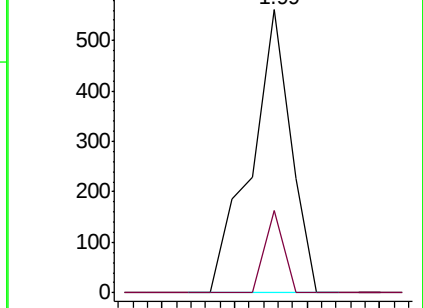
85 100

87 29.2 15.3 45.8

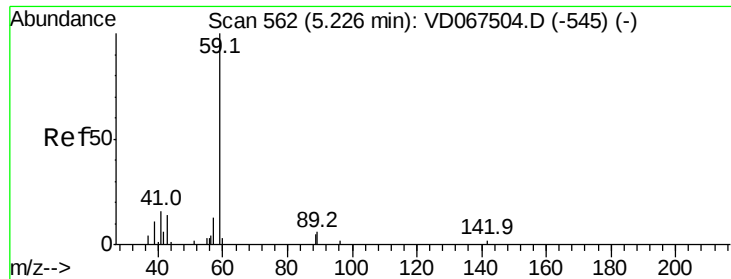


Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



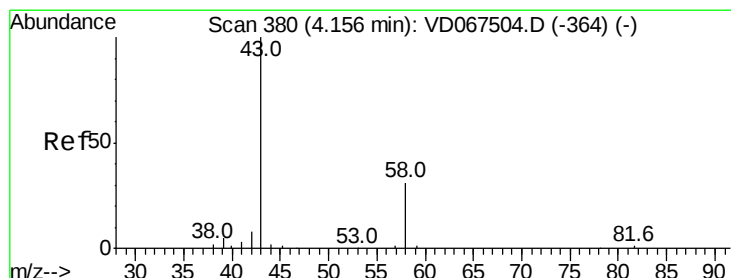
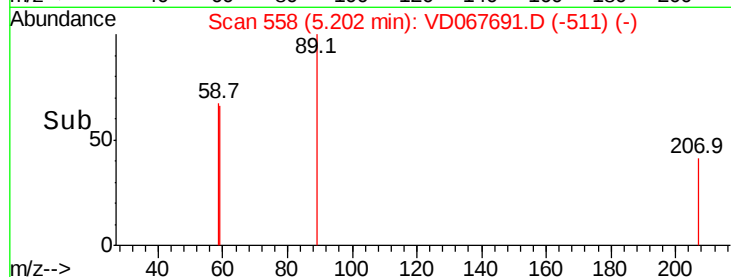
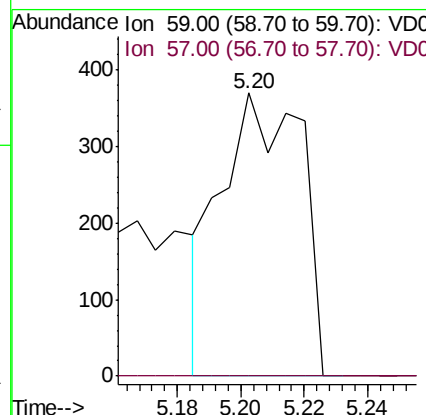
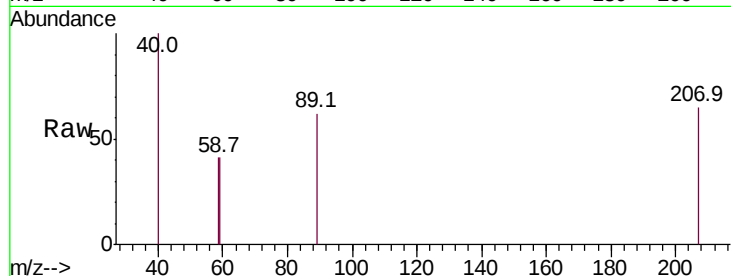
Time-->



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

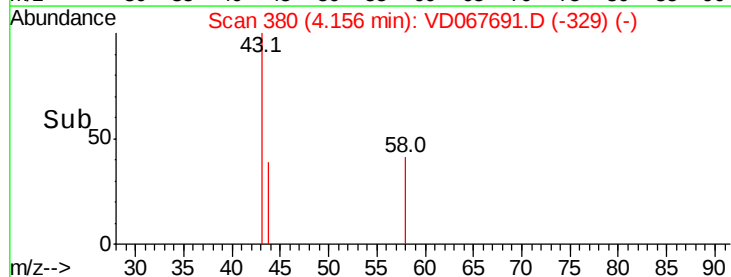
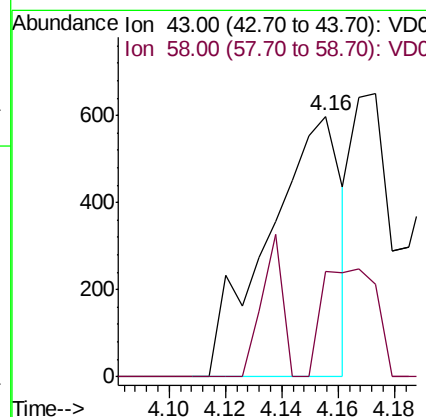
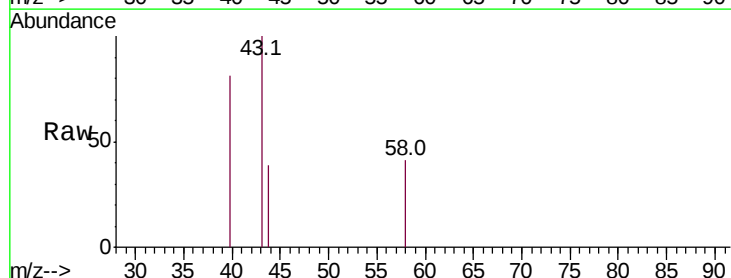
Instrument :
MSVOA_D
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BP-VPB178-DUP-20201116

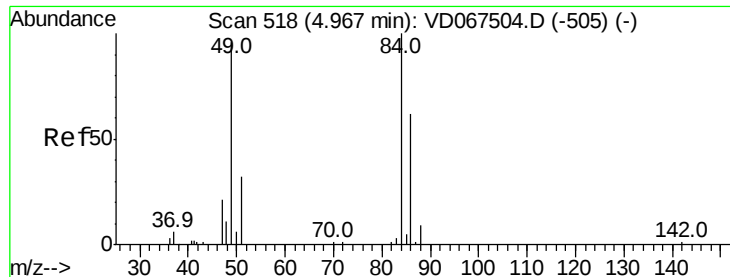
Tot Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 4.486 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 40.6 25.2 37.8#

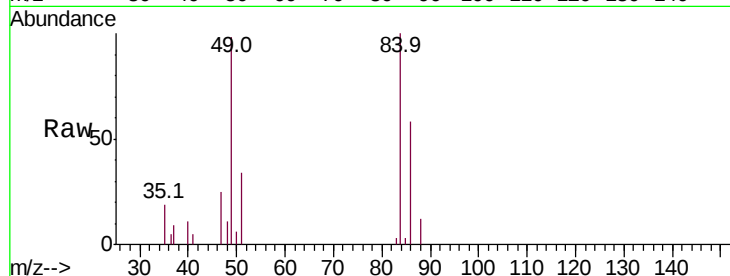




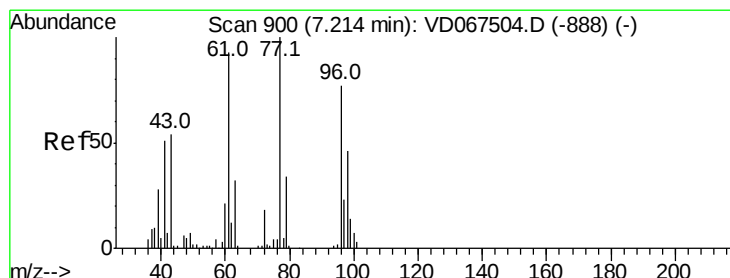
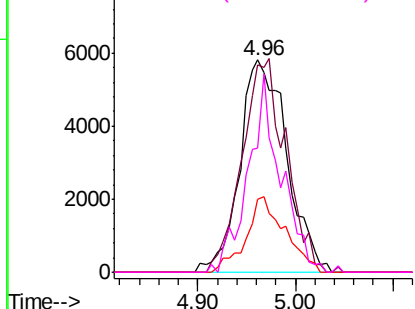
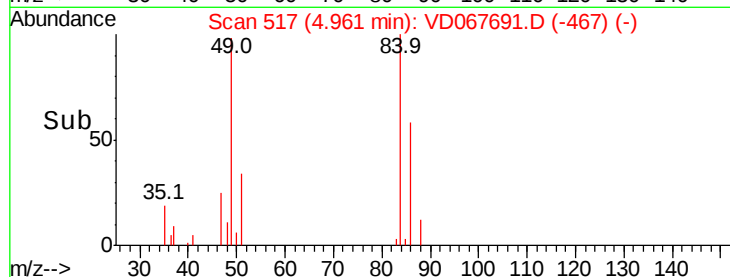
#20
Methvlene Chloride
Concen: 11.430 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-DUP-20201116

Tot Ion: 84 Resp: 19476
Ion Ratio Lower Upper
84 100
49 97.6 77.0 115.4
51 34.3 25.4 38.2
86 58.5 49.4 74.0

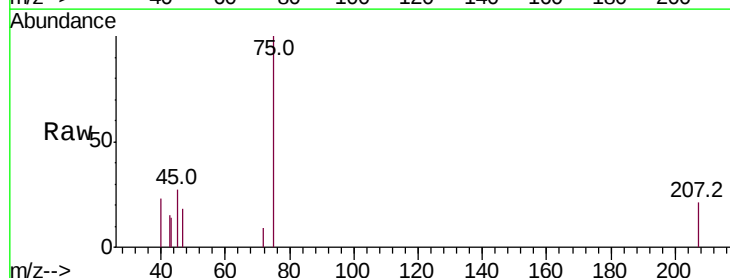


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

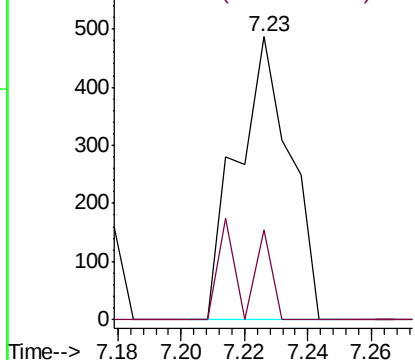
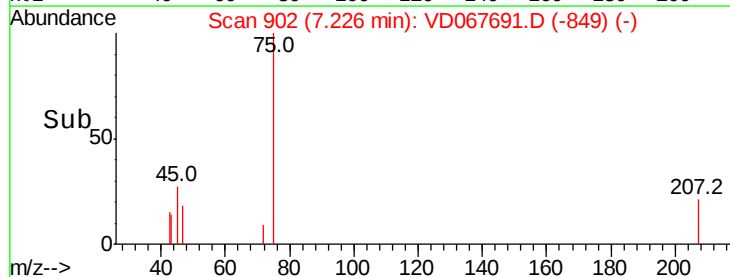


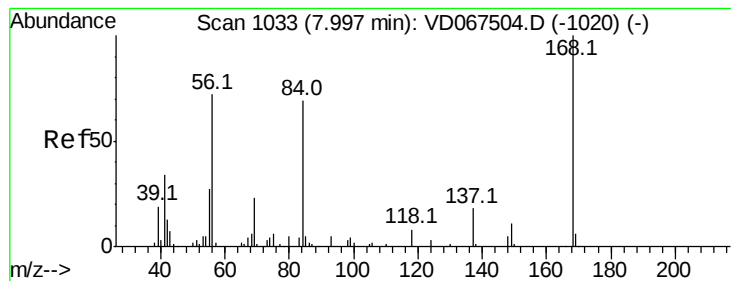
#25
2-Butanone
Concen: 2.180 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
72 31.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.866 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-DUP-20201116

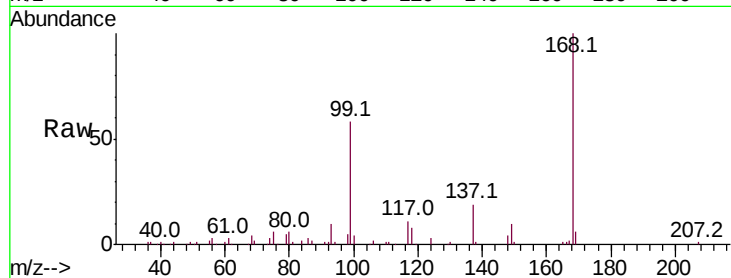
Tot Ion: 56 Resp: 4362

Ion Ratio Lower Upper

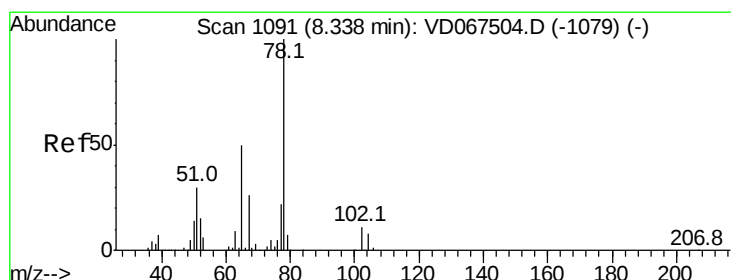
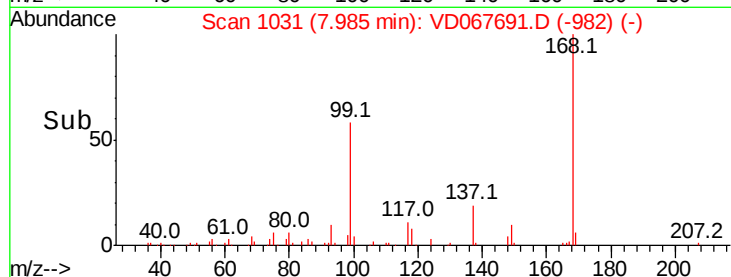
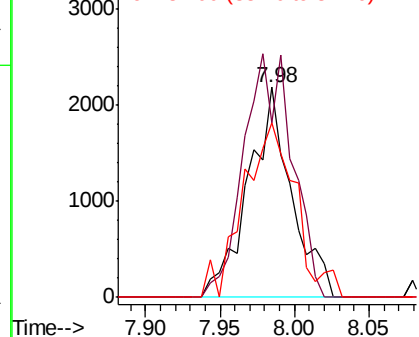
56 100

69 83.3 25.9 38.9#

84 83.2 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: 54.009 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067691.D

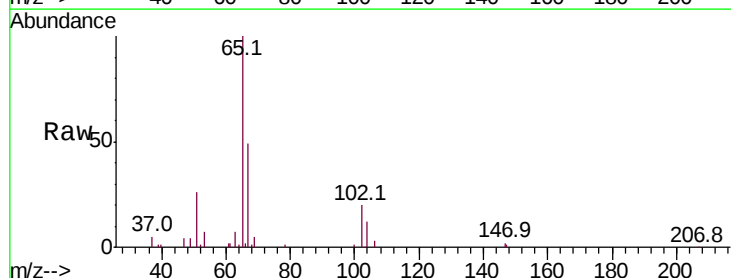
Acq: 18 Nov 2020 17:40

Tgt Ion: 65 Resp: 87057

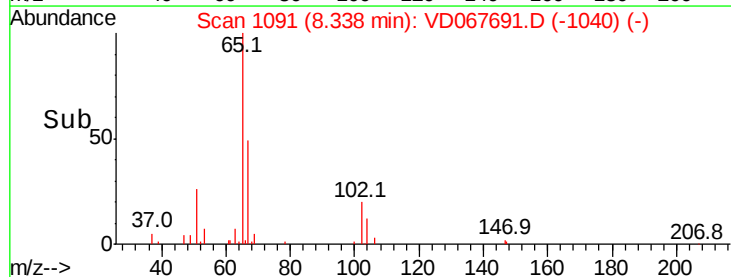
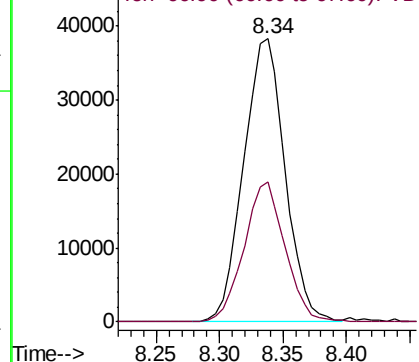
Ion Ratio Lower Upper

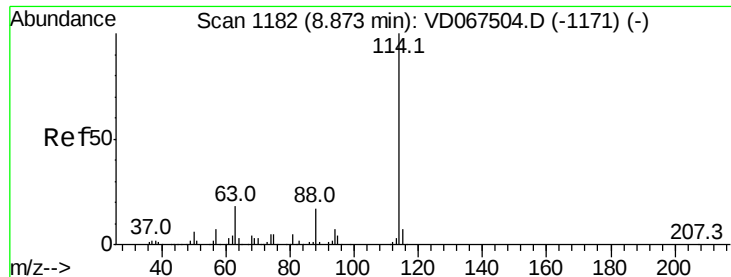
65 100

67 48.9 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: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-DUP-20201116

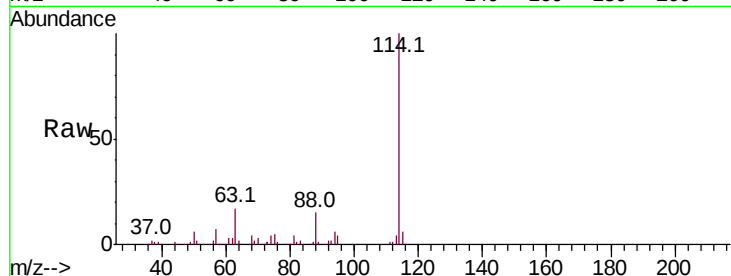
Tot Ion:114 Resp: 281601

Ion Ratio Lower Upper

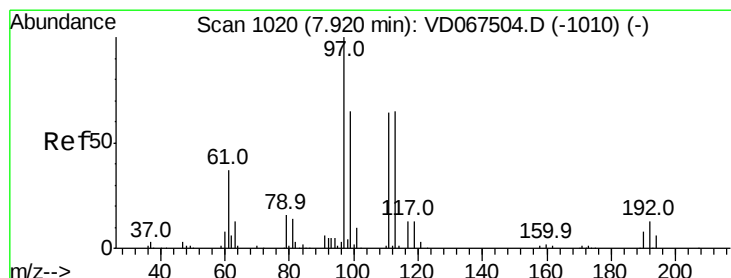
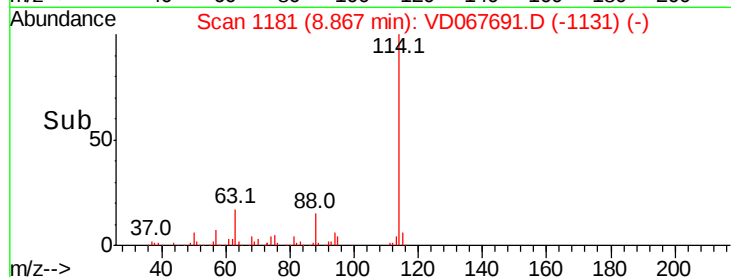
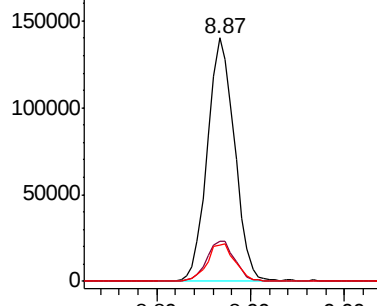
114 100

63 16.5 0.0 35.0

88 14.7 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: 51.737 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

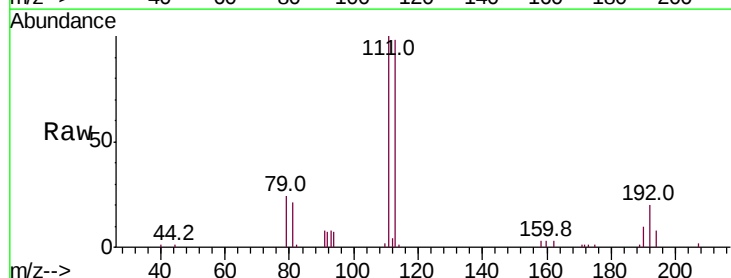
Tgt Ion:113 Resp: 87779

Ion Ratio Lower Upper

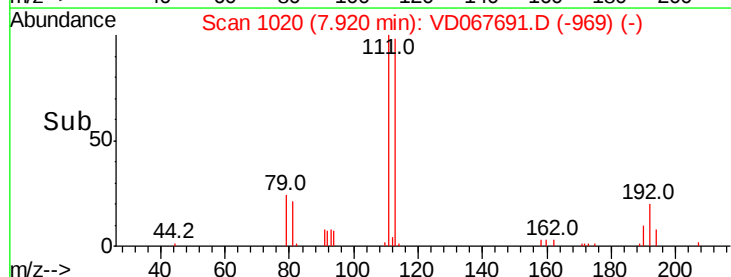
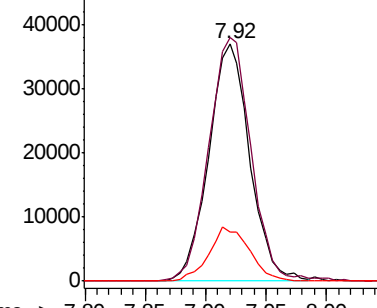
113 100

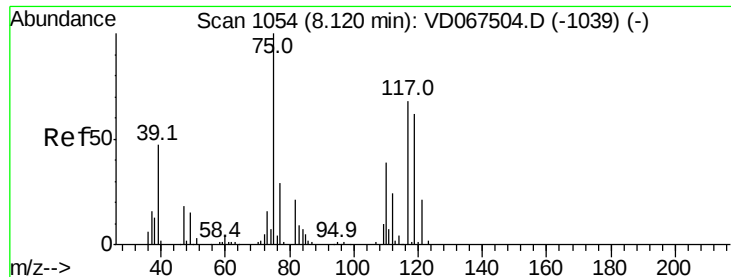
111 105.9 80.0 120.0

192 22.4 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: 4.888 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

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BP-VPB178-DUP-20201116

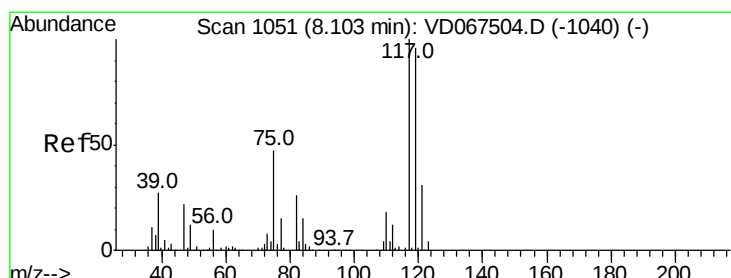
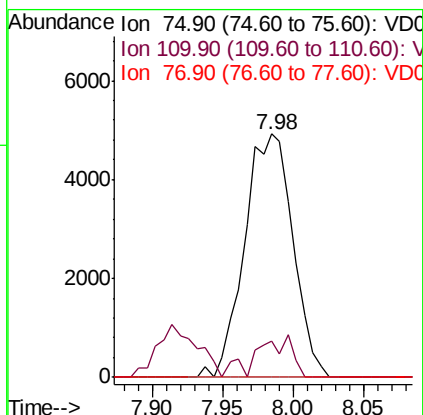
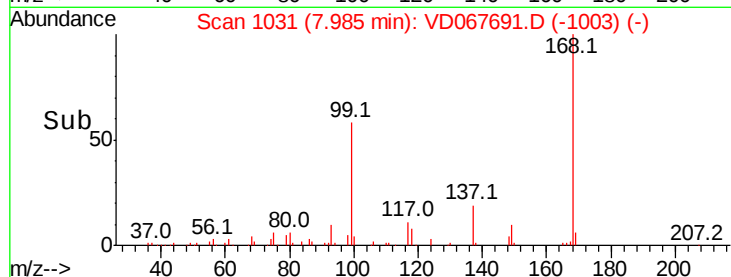
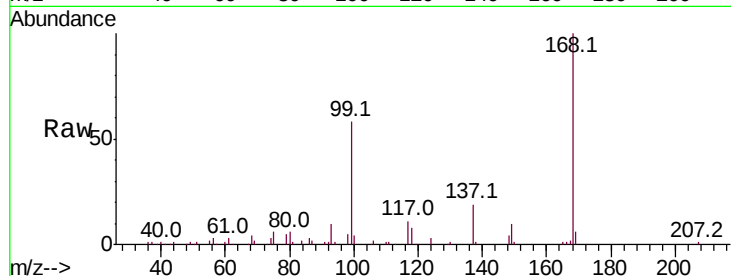
Tot Ion: 75 Resp: 11783

Ion Ratio Lower Upper

75 100

110 13.0 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.629 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

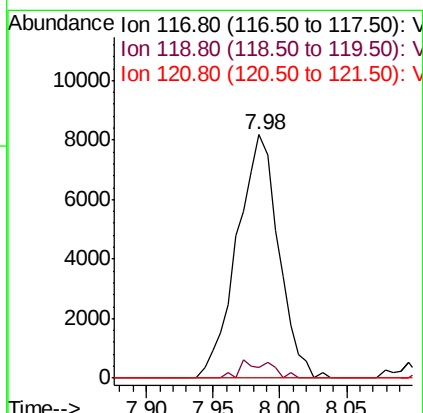
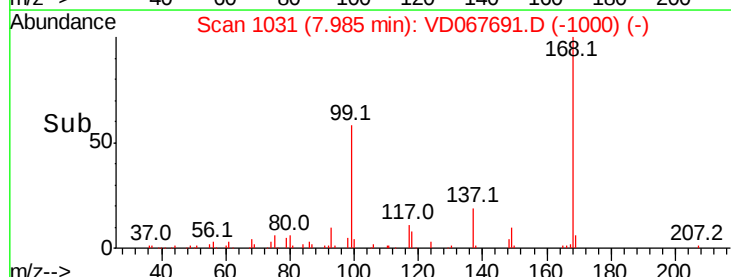
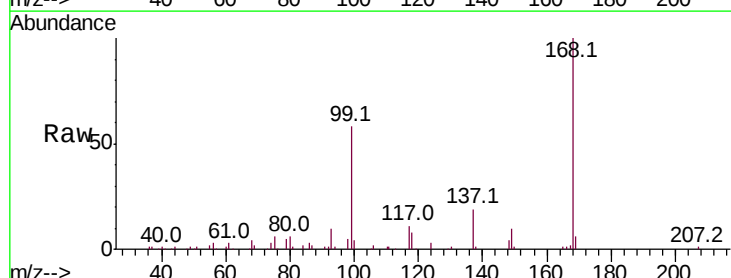
Tgt Ion: 117 Resp: 17630

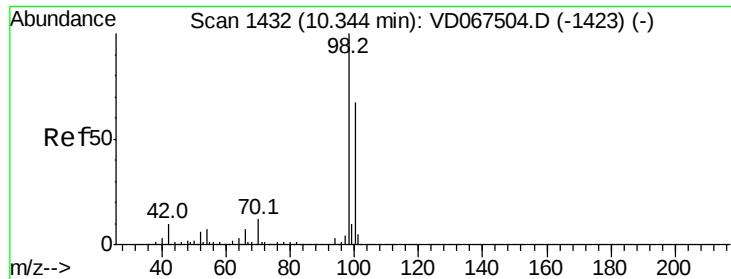
Ion Ratio Lower Upper

117 100

119 4.4 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.530 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

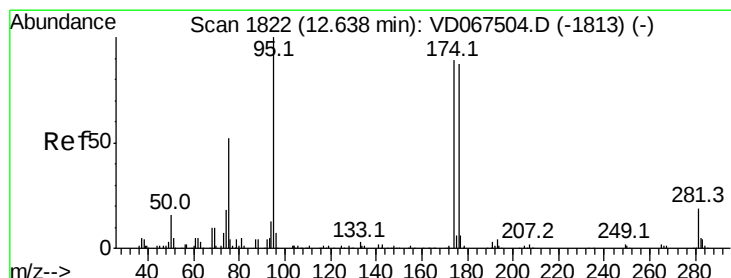
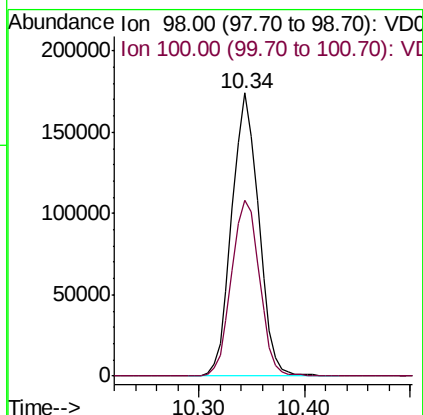
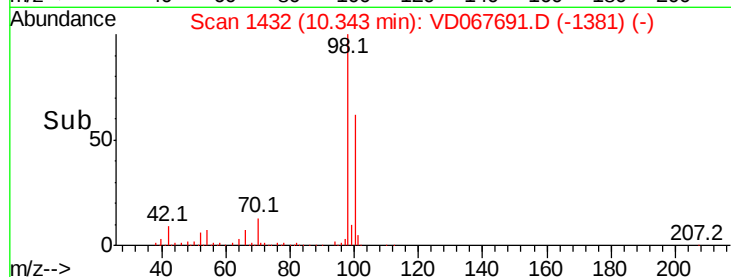
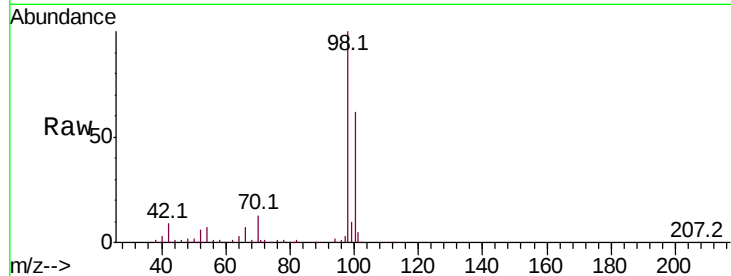
BP-VPB178-DUP-20201116

Tot Ion: 98 Resp: 307239

Ion Ratio Lower Upper

98 100

100 64.6 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 46.620 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

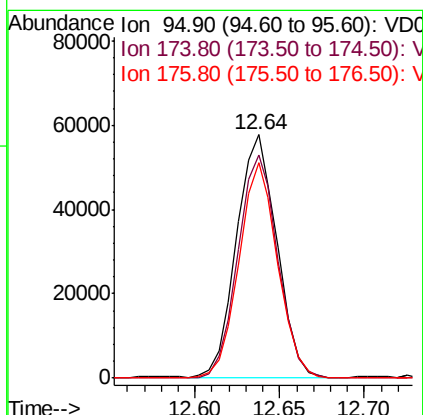
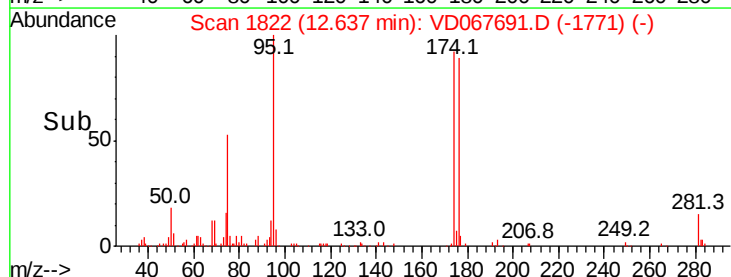
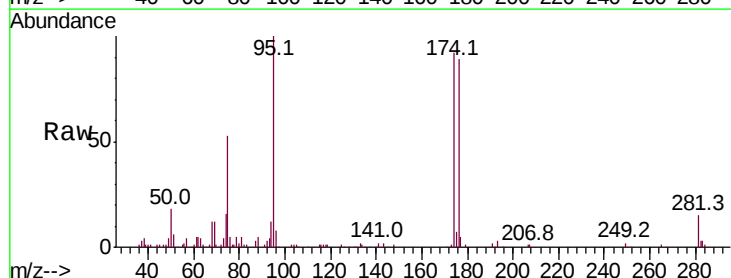
Tgt Ion: 95 Resp: 95967

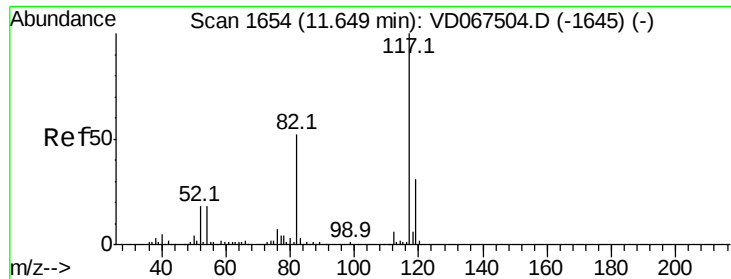
Ion Ratio Lower Upper

95 100

174 90.3 0.0 177.8

176 84.2 0.0 172.0

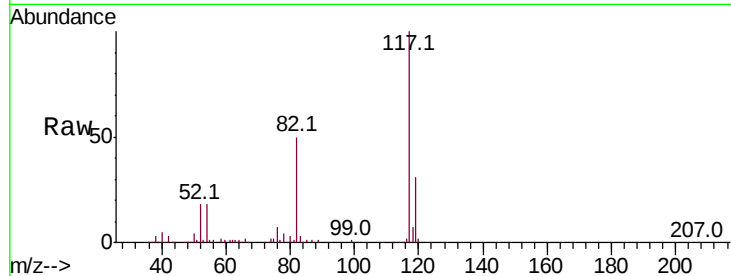




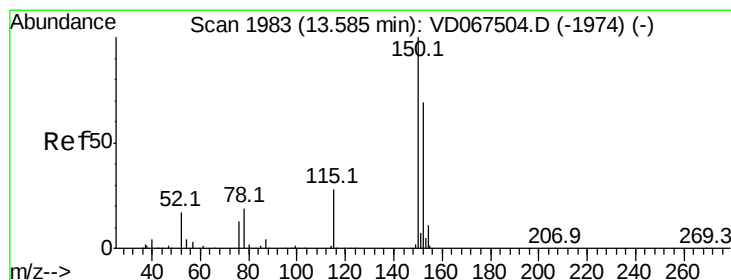
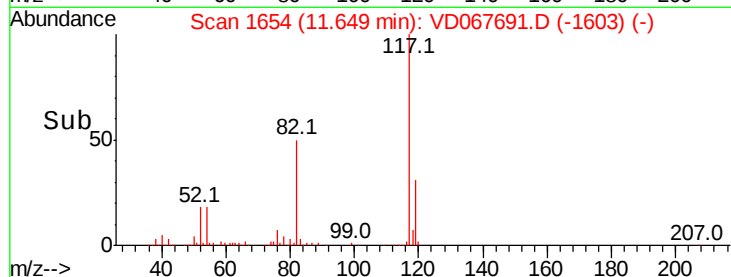
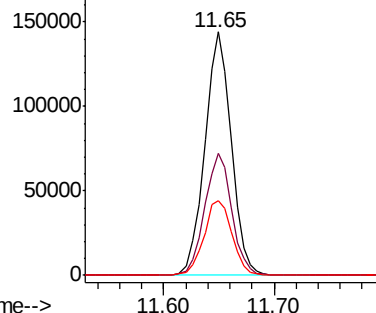
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-DUP-20201116

Tot Ion:117 Resp: 242314
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 30.8 25.1 37.7

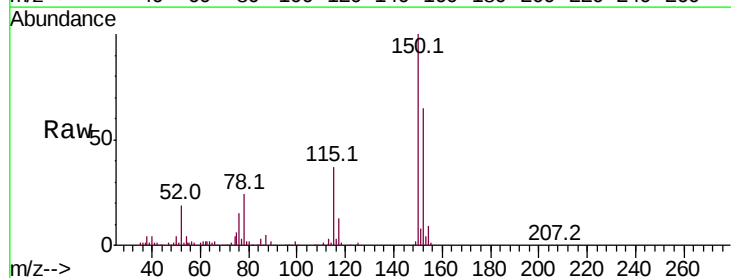


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

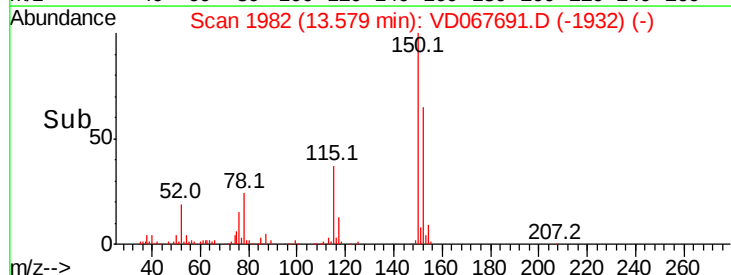
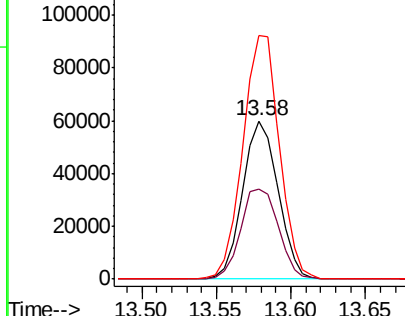


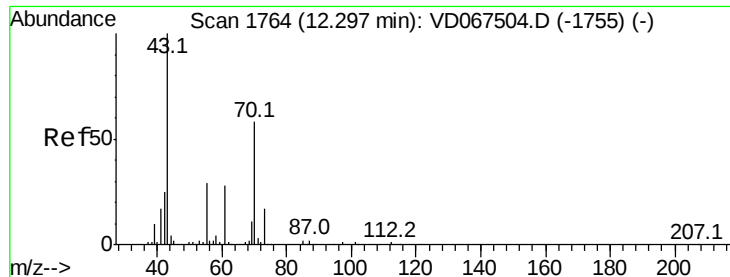
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067691.D
Acq: 18 Nov 2020 17:40

Tgt Ion:152 Resp: 98594
Ion Ratio Lower Upper
152 100
115 60.6 29.3 88.0
150 158.3 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





#74

N-amvl acetate

Concen: 1.577 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-DUP-20201116

Tot Ion: 43 Resp: 1322

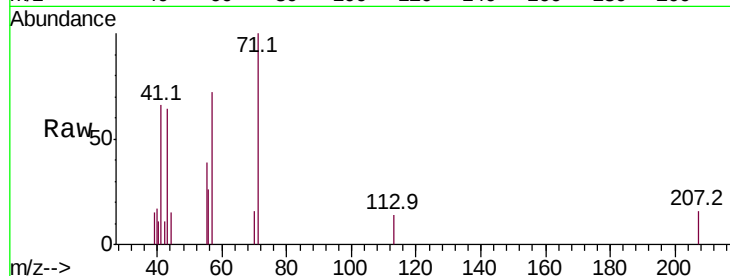
Ion Ratio Lower Upper

43 100

70 21.7 42.6 64.0#

55 55.4 23.7 35.5#

61 0.0 21.9 32.9#

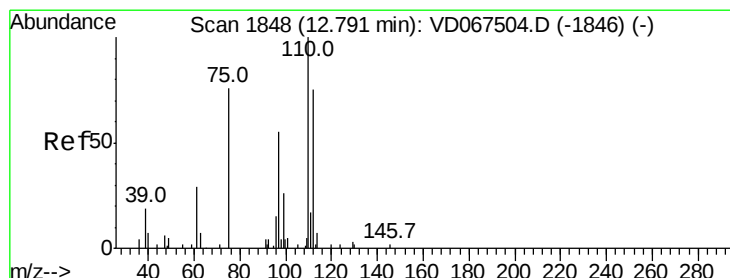
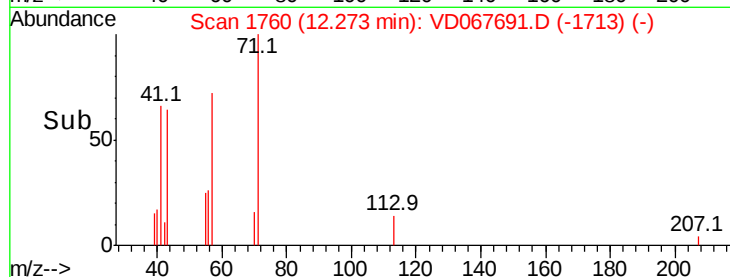
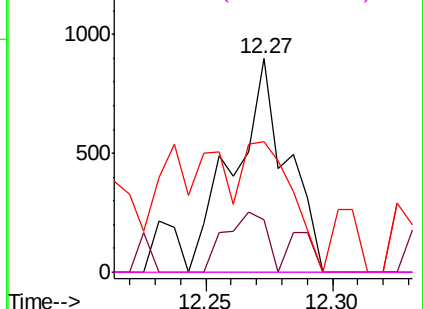


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 86.641 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067691.D

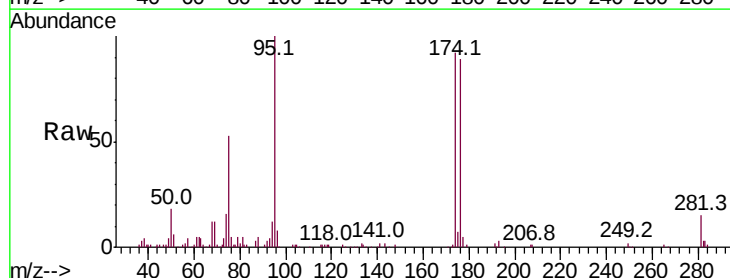
Acq: 18 Nov 2020 17:40

Tgt Ion: 75 Resp: 51532

Ion Ratio Lower Upper

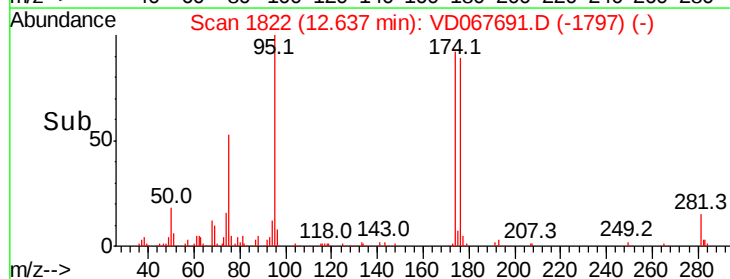
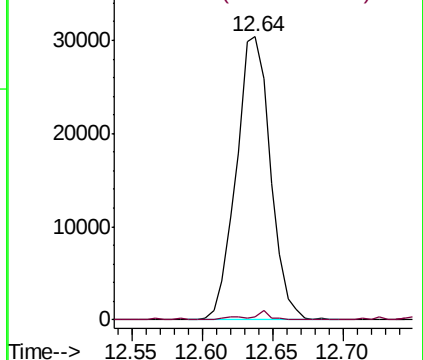
75 100

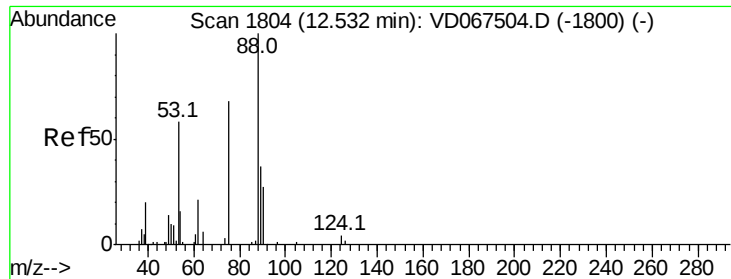
77 1.2 0.0 0.0#



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: 175.904 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067691.D

Acq: 18 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-DUP-20201116

Tot Ion: 75 Resp: 51532

Ion Ratio Lower Upper

75 100

53 0.6 75.9 113.9#

89 0.0 44.6 67.0#

