

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067702.D
 Acq On : 19 Nov 2020 12:27
 Operator : VA/SY
 Sample : L4787-09
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-698-700

Quant Time: Nov 20 00:29:50 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	194328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	261521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113436	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	88915	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.92	113	91087	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.34	98	323958	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.64	95	98602	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

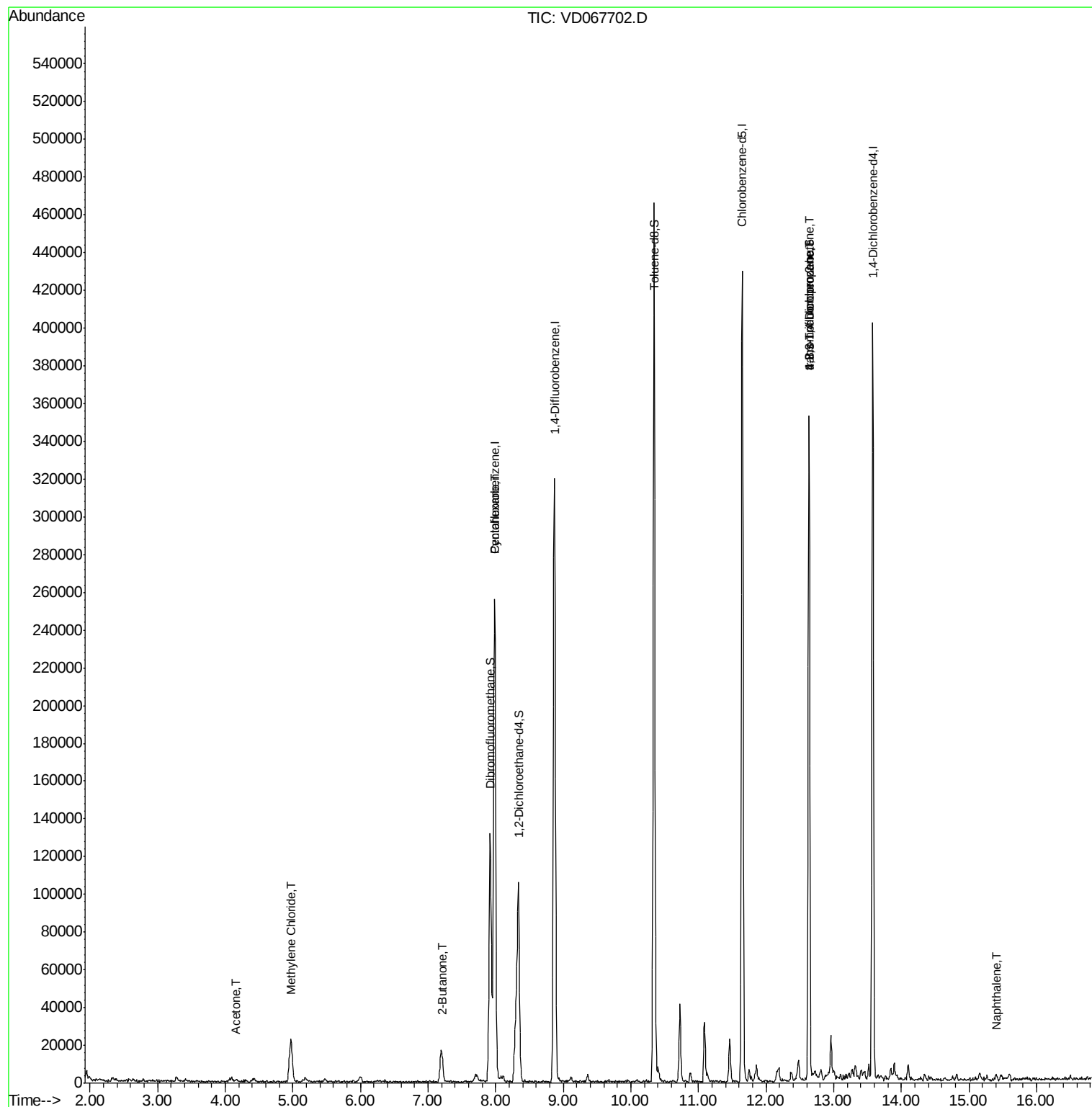
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1273	Below Cal		86
11) Tert butyl alcohol	5.18	59	1100	Below Cal	#	79
16) Acetone	4.16	43	1322	5.199	ug/l #	67
20) Methylene Chloride	4.97	84	19234	10.708	ug/l	96
25) 2-Butanone	7.22	43	338	1.244	ug/l #	42
31) Cyclohexane	7.98	56	4741	1.924	ug/l #	49
76) 1,2,3-Trichloropropane	12.64	75	51335	75.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51335	152.305	ug/l #	10
95) Naphthalene	15.40	128	3330	1.069	ug/l #	90

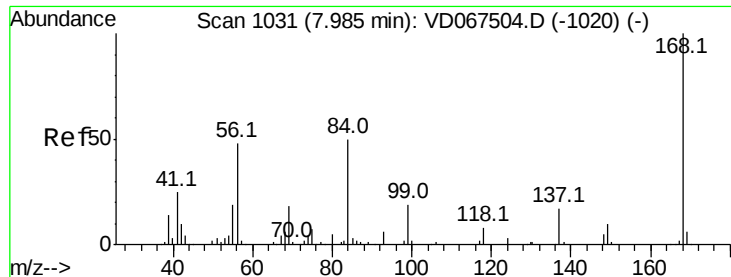
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

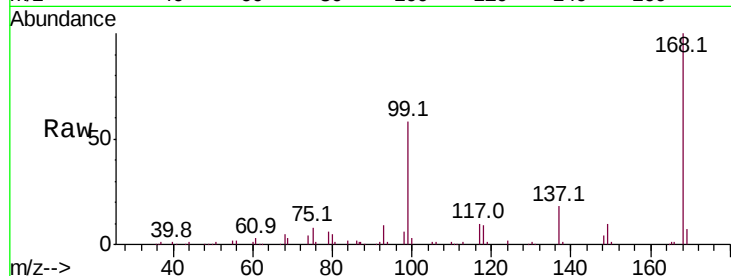
BP-VPB178-GW-698-700

Tot Ion:168 Resp: 194328

Ion Ratio Lower Upper

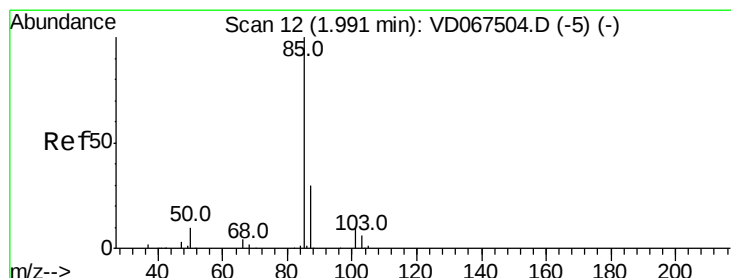
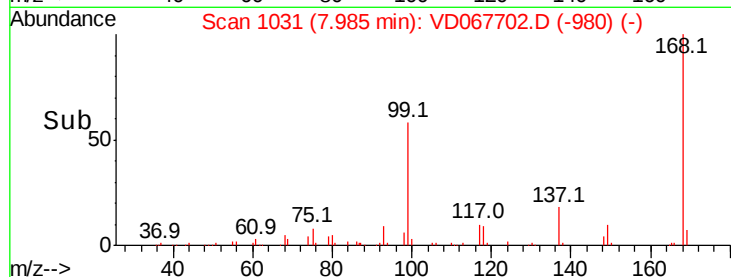
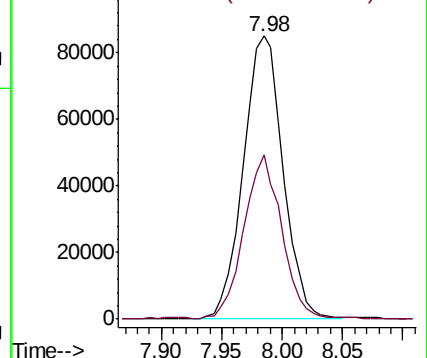
168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067702.D

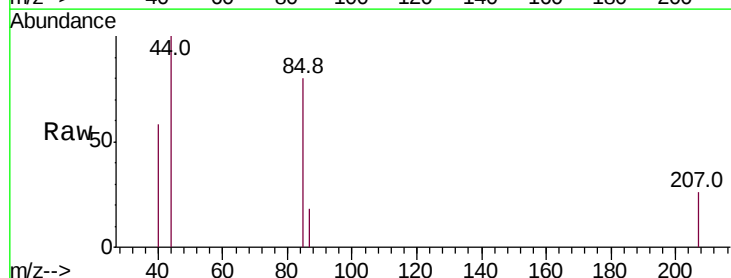
Acq: 19 Nov 2020 12:27

Tgt Ion: 85 Resp: 1273

Ion Ratio Lower Upper

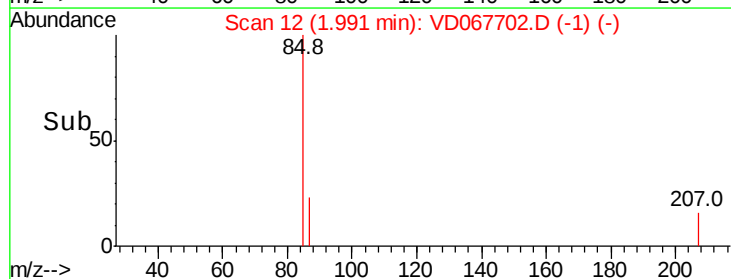
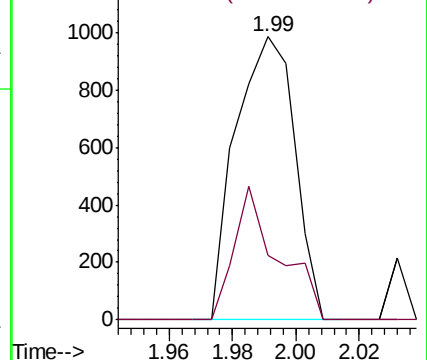
85 100

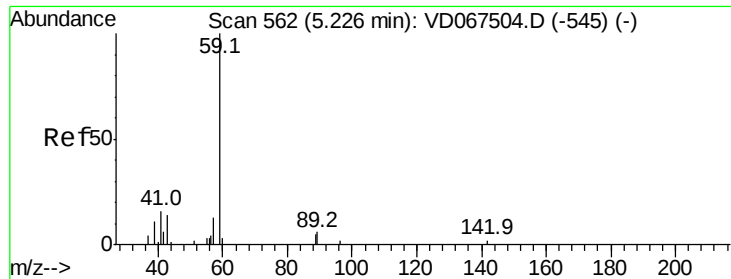
87 22.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



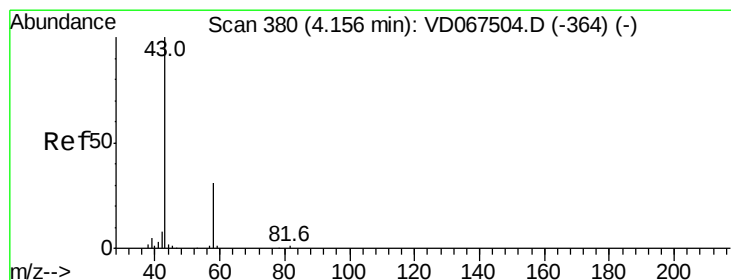
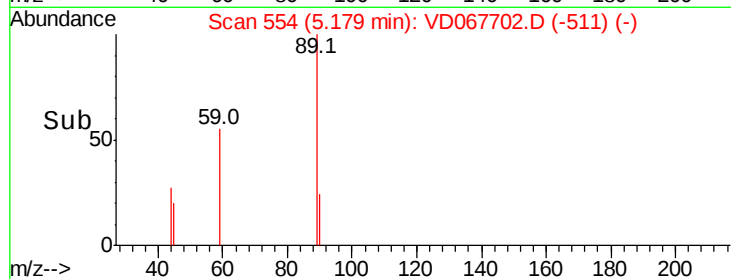
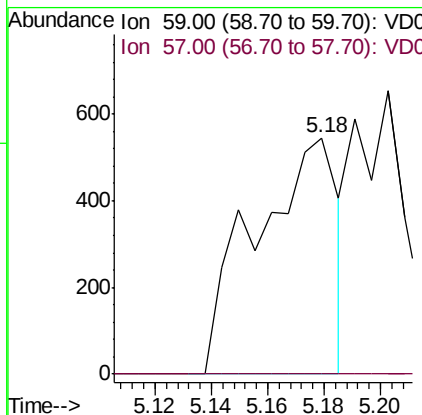
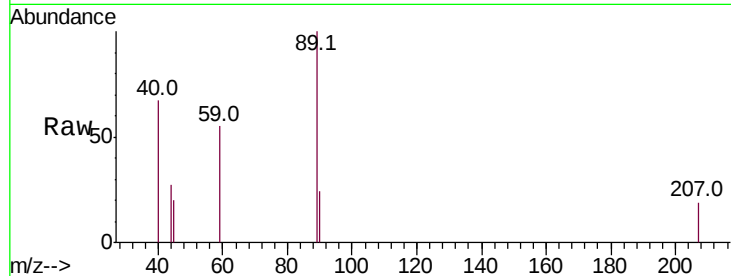


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.05 min
 Lab File: VD067702.D
 Acq: 19 Nov 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB178-GW-698-700

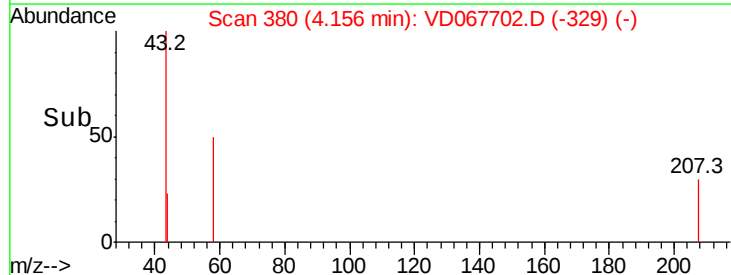
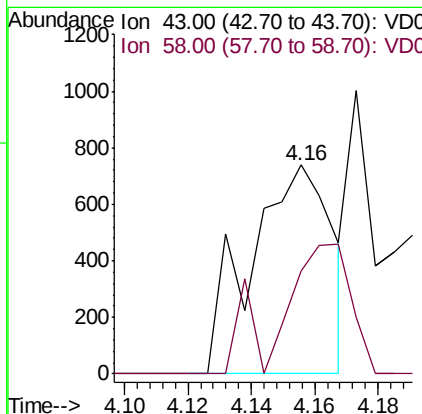
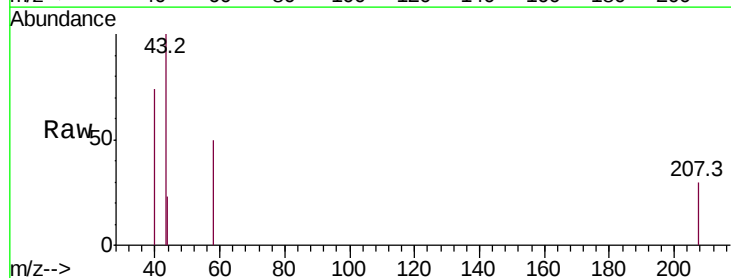
Tot Ion: 59 Resp: 1100
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

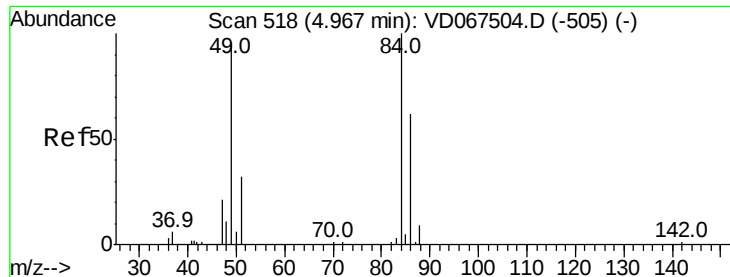


#16

Acetone
 Concen: 5.199 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067702.D
 Acq: 19 Nov 2020 12:27

Tgt Ion: 43 Resp: 1322
 Ion Ratio Lower Upper
 43 100
 58 49.6 25.2 37.8#





#20

Methylene Chloride

Concen: 10.708 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-698-700

Tot Ion: 84 Resp: 19234

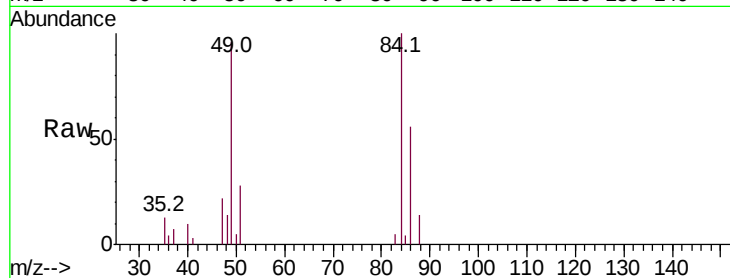
Ion Ratio Lower Upper

84 100

49 96.1 77.0 115.4

51 28.5 25.4 38.2

86 55.8 49.4 74.0

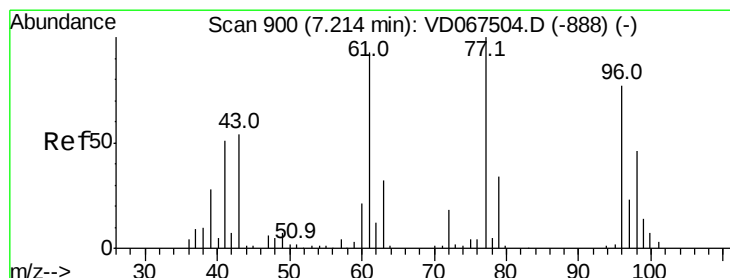
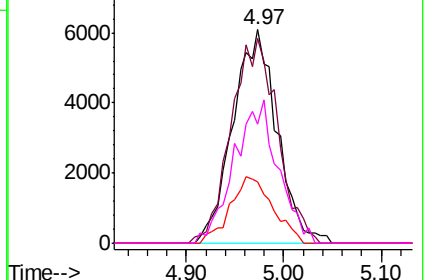
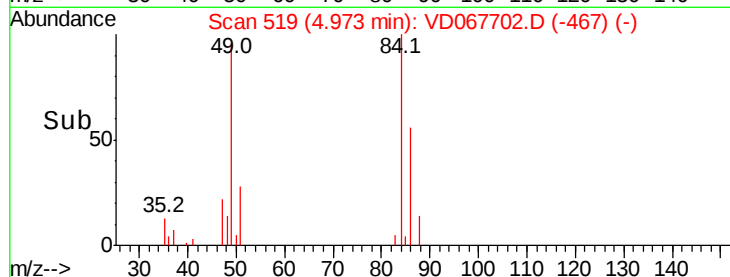


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.244 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067702.D

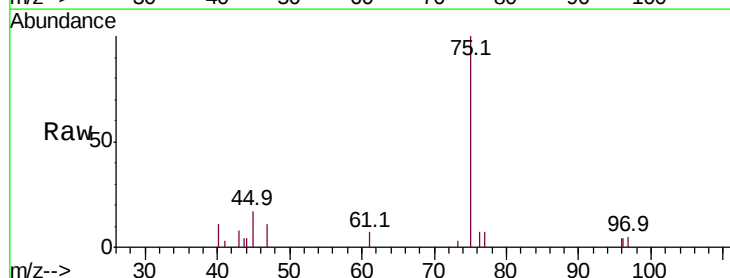
Acq: 19 Nov 2020 12:27

Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

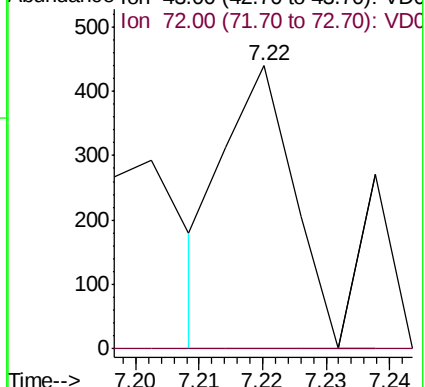
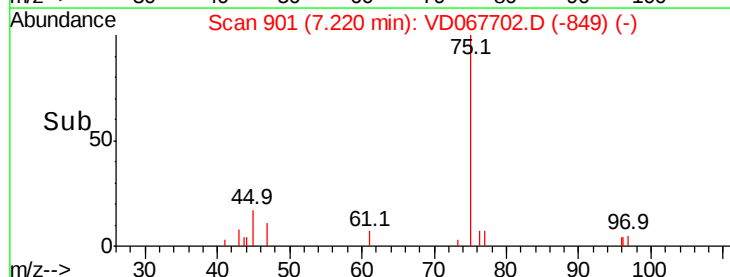
43 100

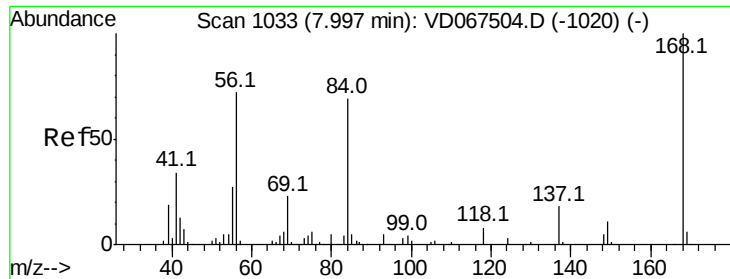
72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

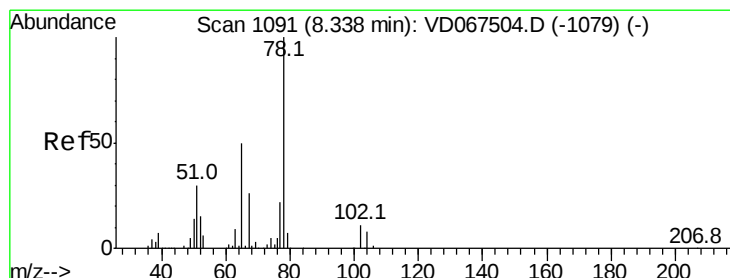
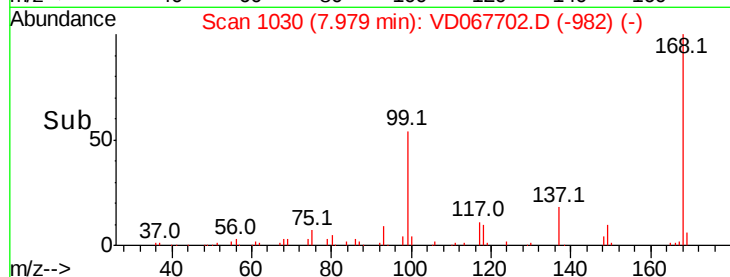
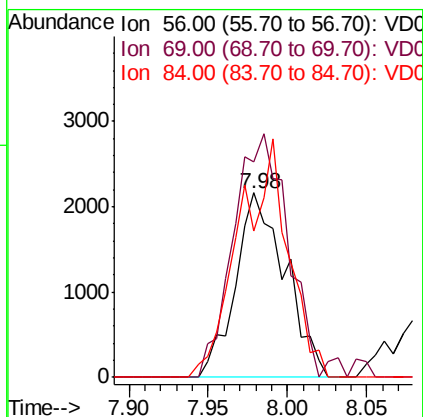
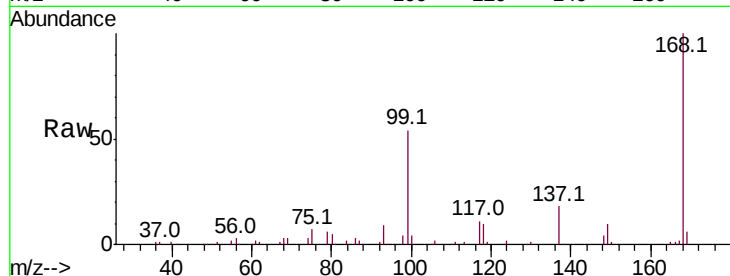




#31
Cyclohexane
Concen: 1.924 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067702.D
Acq: 19 Nov 2020 12:27

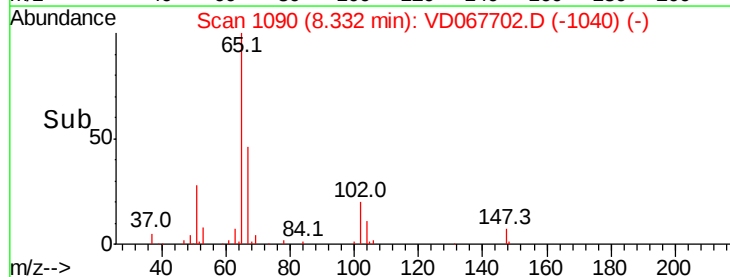
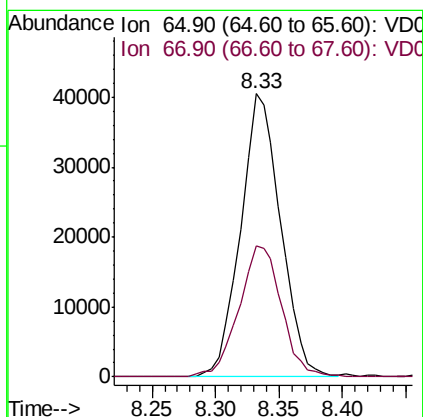
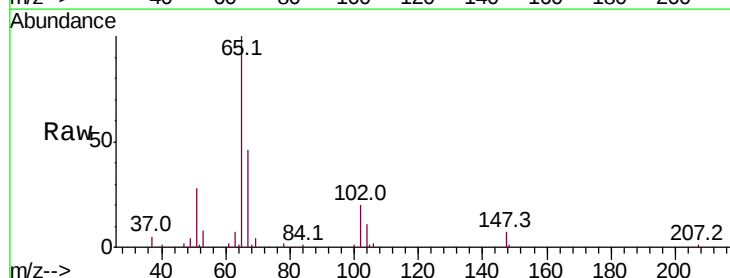
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-698-700

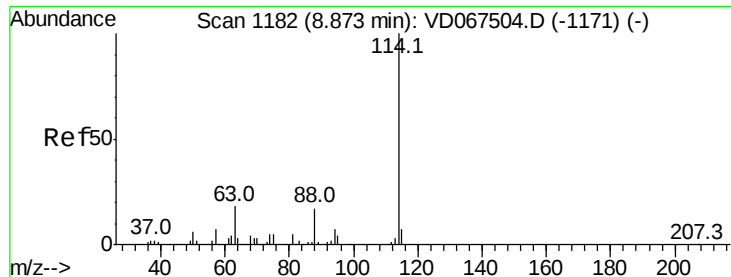
Tot Ion: 56 Resp: 4741
Ion Ratio Lower Upper
56 100
69 116.9 25.9 38.9#
84 79.1 76.2 114.4



#33
1,2-Dichloroethane-d4
Concen: 52.328 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067702.D
Acq: 19 Nov 2020 12:27

Tgt Ion: 65 Resp: 88915
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-698-700

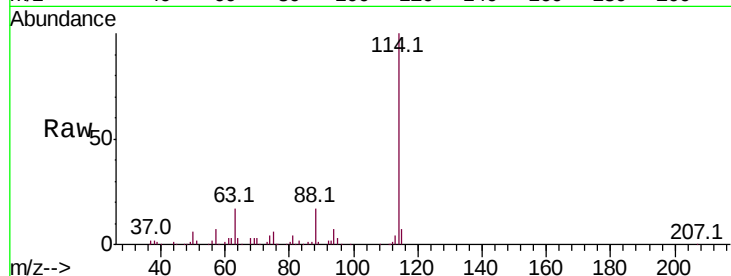
Tot Ion:114 Resp: 295950

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

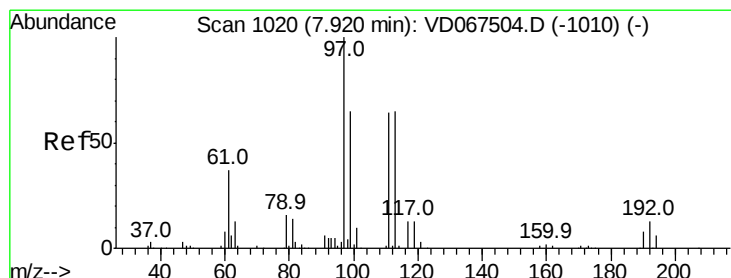
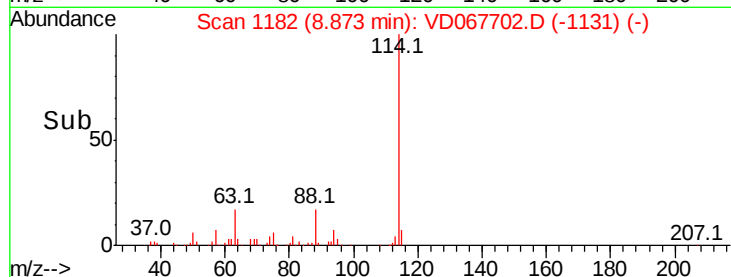
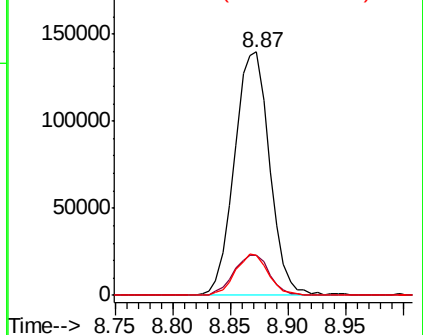
88 16.6 0.0 33.0



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: 51.084 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

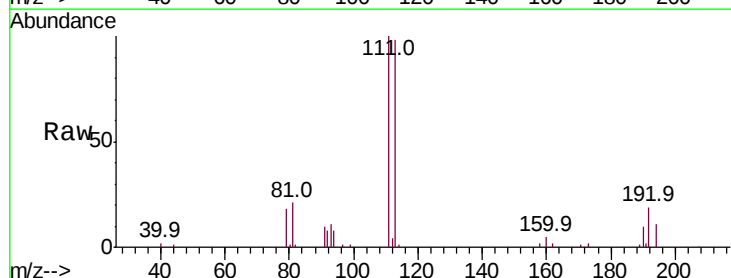
Tgt Ion:113 Resp: 91087

Ion Ratio Lower Upper

113 100

111 101.5 80.0 120.0

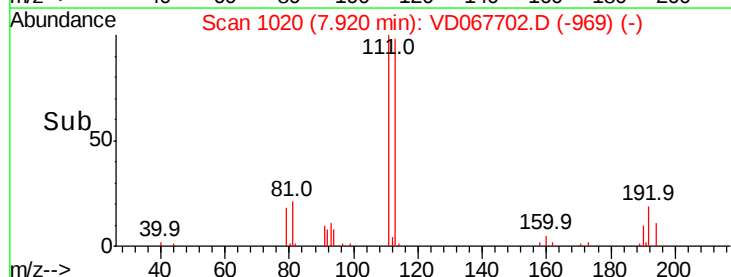
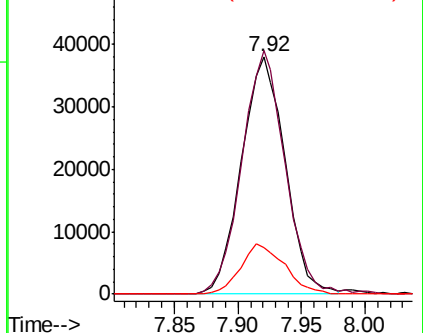
192 21.1 16.3 24.5

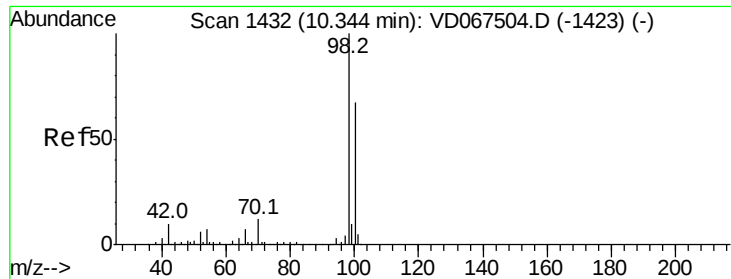


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.699 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

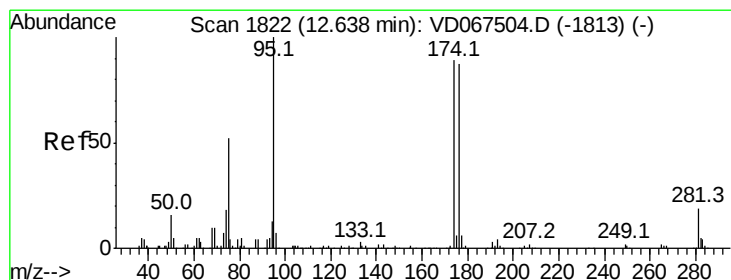
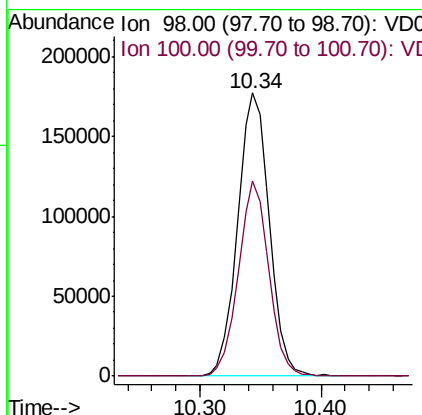
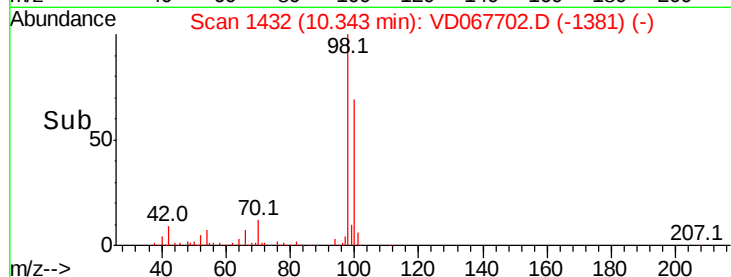
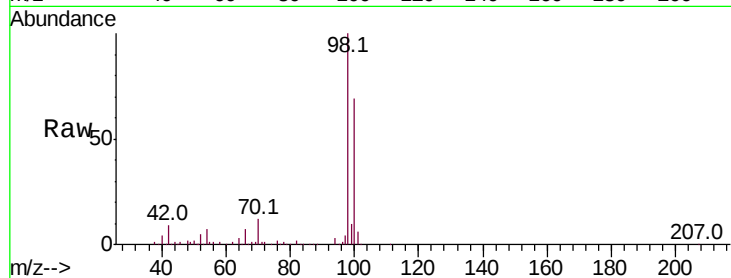
BP-VPB178-GW-698-700

Tot Ion: 98 Resp: 323958

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 45.578 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

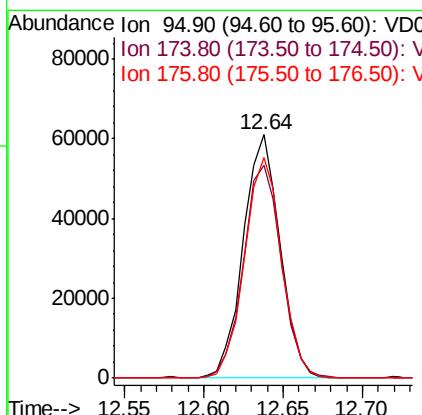
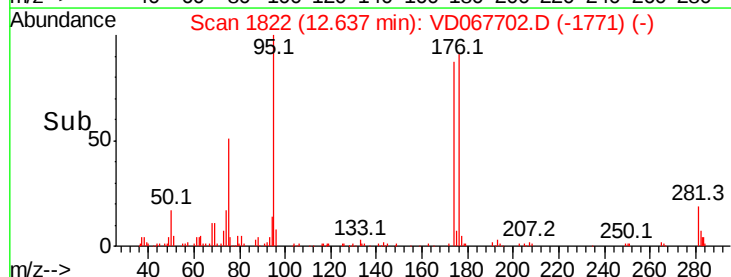
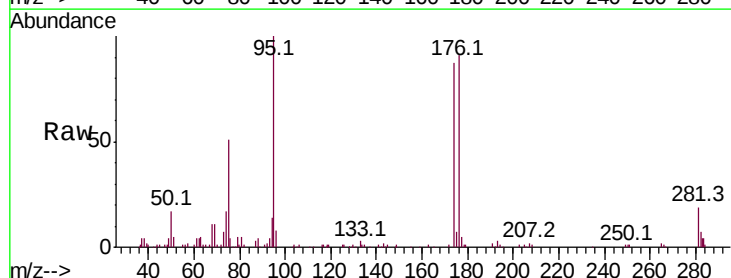
Tgt Ion: 95 Resp: 98602

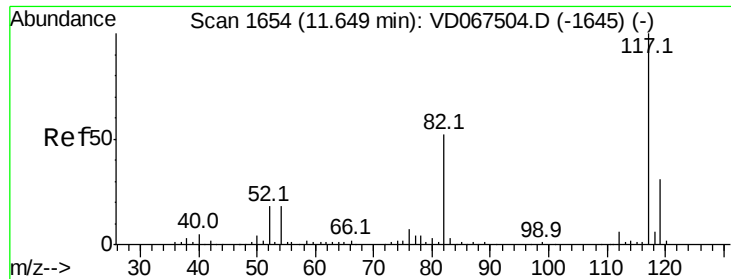
Ion Ratio Lower Upper

95 100

174 90.0 0.0 177.8

176 90.6 0.0 172.0

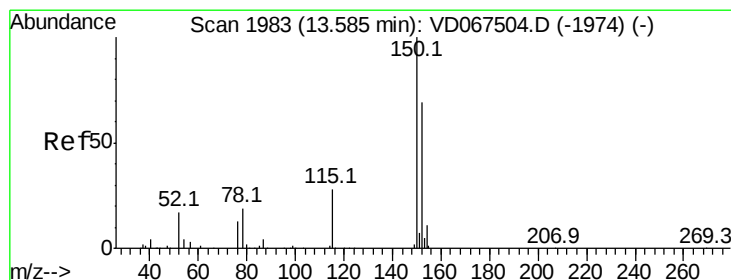
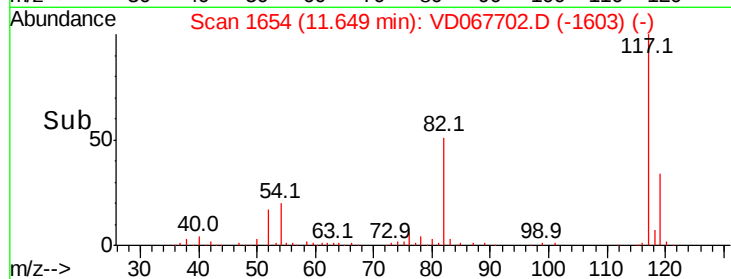
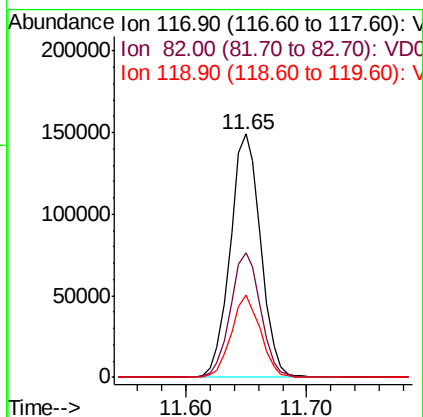
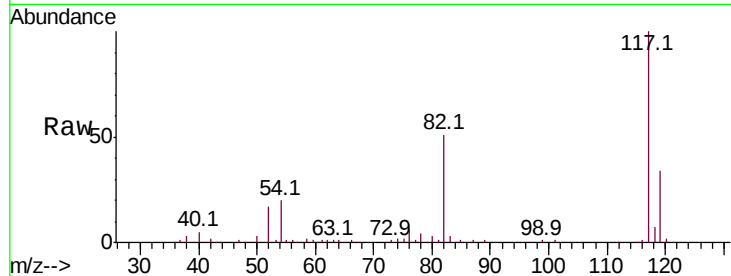




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067702.D
Acq: 19 Nov 2020 12:27

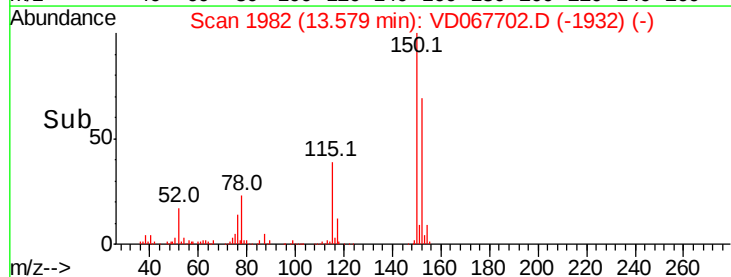
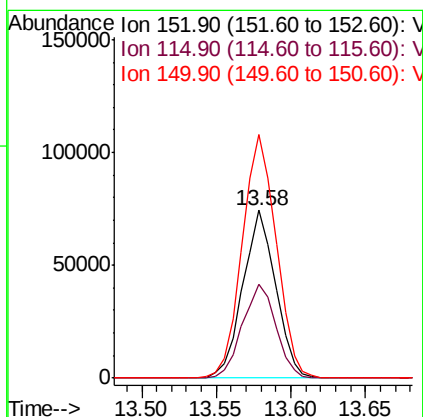
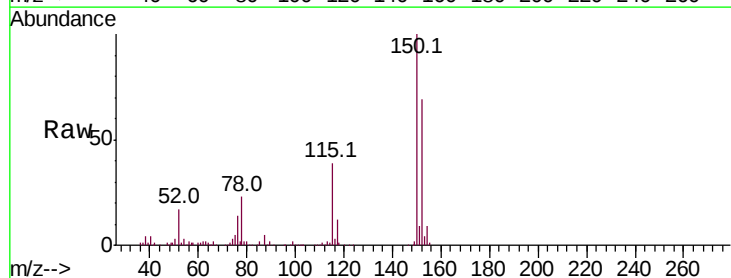
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB178-GW-698-700

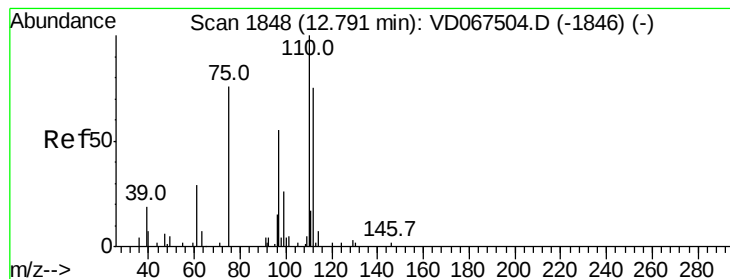
Tot Ion:117 Resp: 261521
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 33.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067702.D
Acq: 19 Nov 2020 12:27

Tgt Ion:152 Resp: 113436
Ion Ratio Lower Upper
152 100
115 57.1 29.3 88.0
150 150.0 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 75.017 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

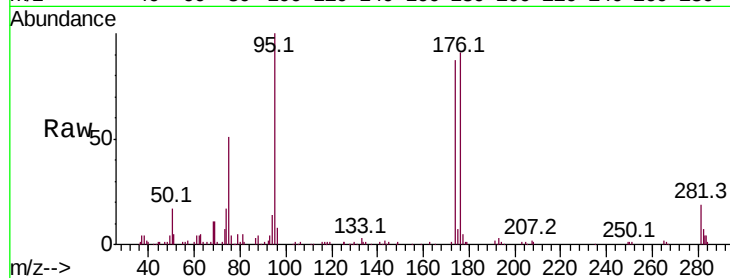
BP-VPB178-GW-698-700

Tot Ion: 75 Resp: 51335

Ion Ratio Lower Upper

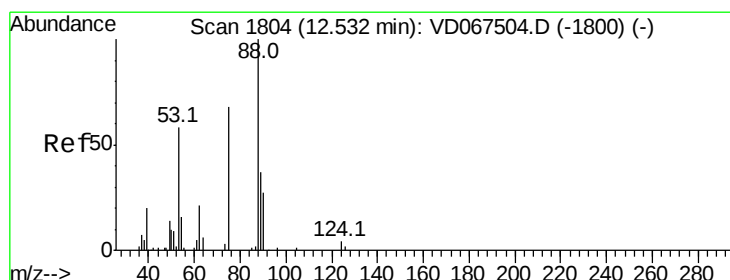
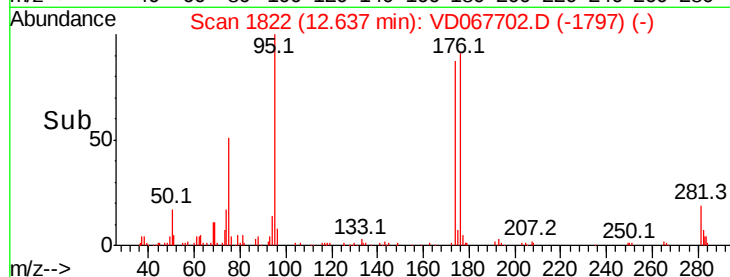
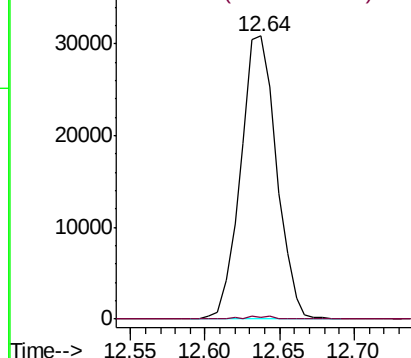
75 100

77 0.8 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: 152.305 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

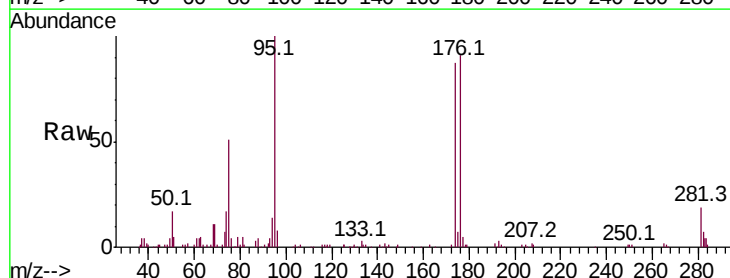
Tgt Ion: 75 Resp: 51335

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

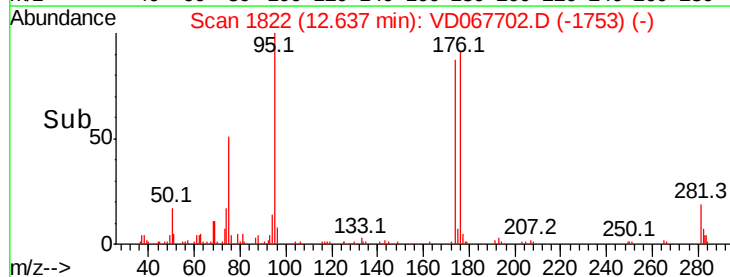
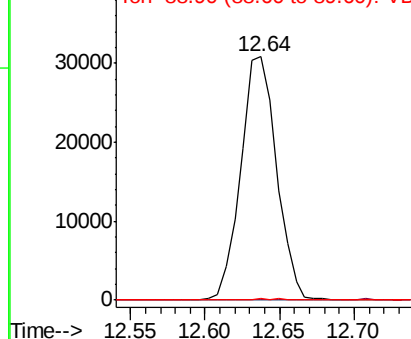
89 0.2 44.6 67.0#

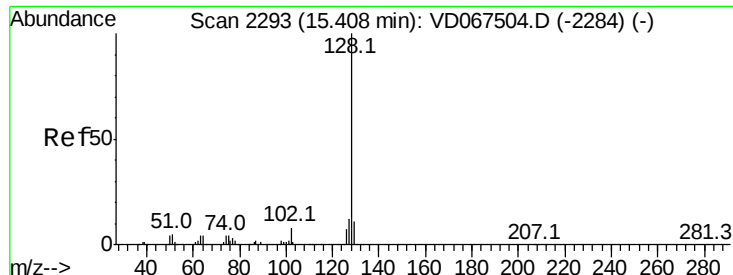


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.069 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067702.D

Acq: 19 Nov 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB178-GW-698-700

Tot Ion:128 Resp: 3330

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4

129 5.9 8.9 13.3#

