

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067693.D
 Acq On : 18 Nov 2020 18:34
 Operator : VA/SY
 Sample : L4776-01
 Misc : 6.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ND-SOIL

Quant Time: Nov 19 00:28:39 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	270758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	418353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233141	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	137205	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	7.92	113	133705	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	10.34	98	499587	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.64	95	199285	65.17	ug/l	0.00
Spiked Amount			Recovery	=	130.34%	

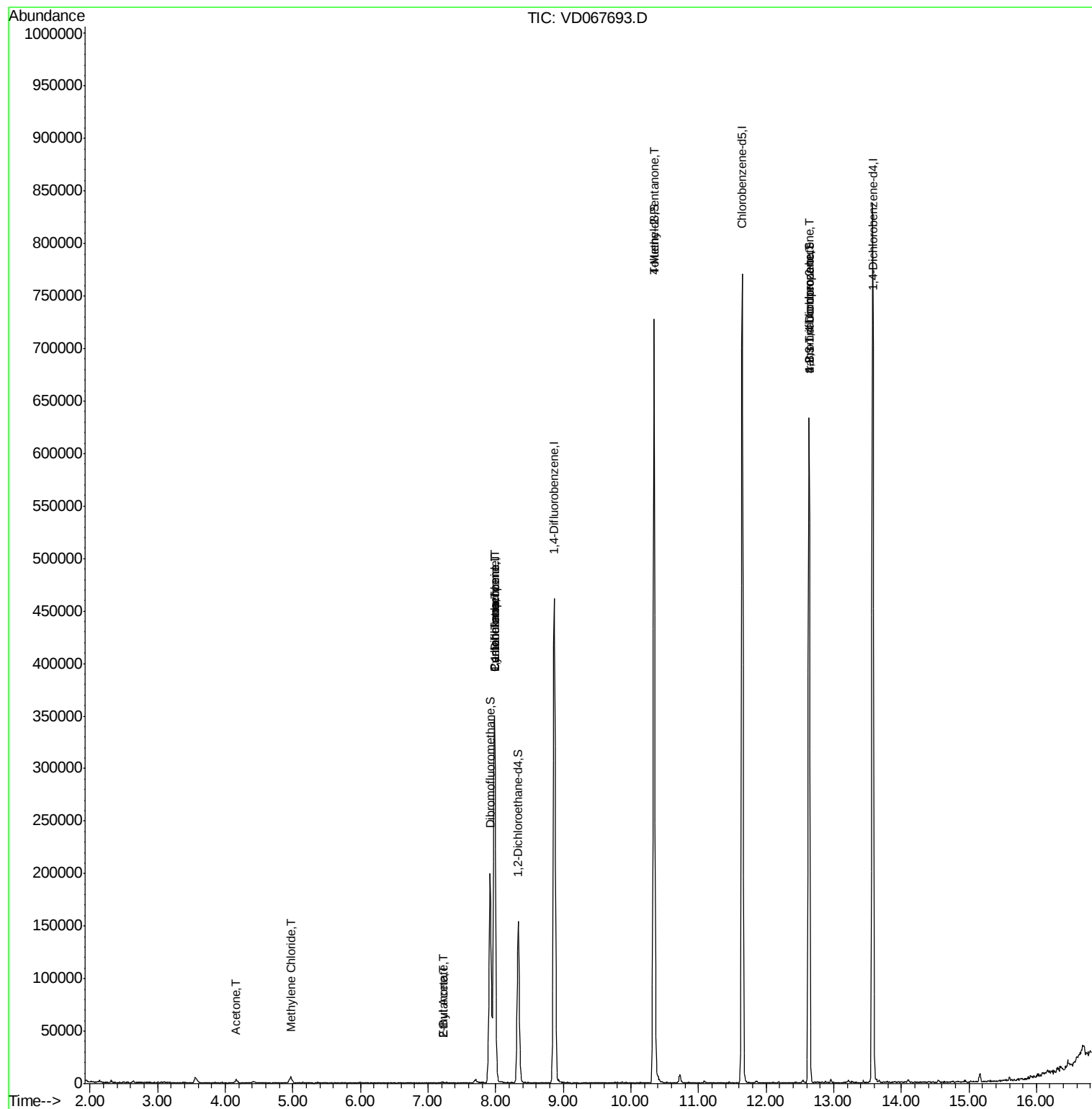
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	70	Below Cal	#	44
11) Tert butyl alcohol	5.20	59	821	Below Cal		97
16) Acetone	4.16	43	4307	12.157	ug/l #	81
20) Methylene Chloride	4.97	84	4609	1.842	ug/l #	85
25) 2-Butanone	7.22	43	1196	3.159	ug/l #	42
31) Cyclohexane	7.99	56	5016	1.461	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	18835	5.260	ug/l #	51
37) Ethyl Acetate	7.22	43	1196	1.286	ug/l #	63
38) Carbon Tetrachloride	7.98	117	27489	5.908	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1971	2.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	105871	75.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105871	152.830	ug/l #	10

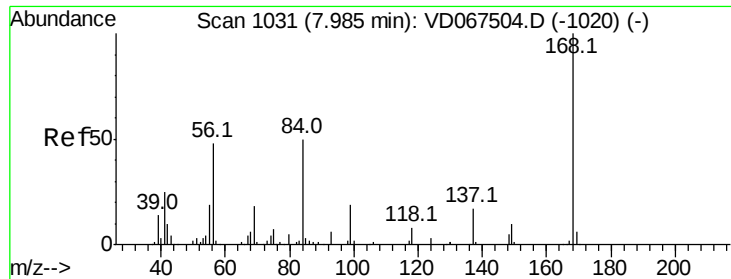
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
Data File : VD067693.D
Acq On : 18 Nov 2020 18:34
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Quant Time: Nov 19 00:28:39 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: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampleId :

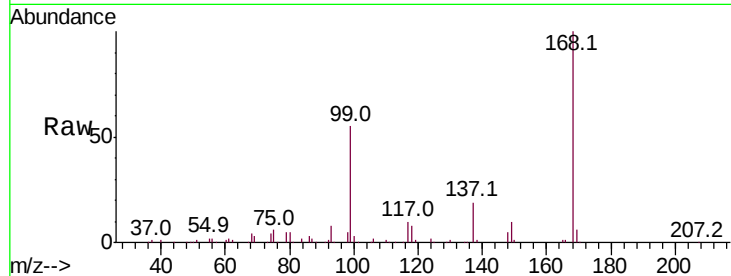
ND-SOIL

Tot Ion:168 Resp: 270758

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

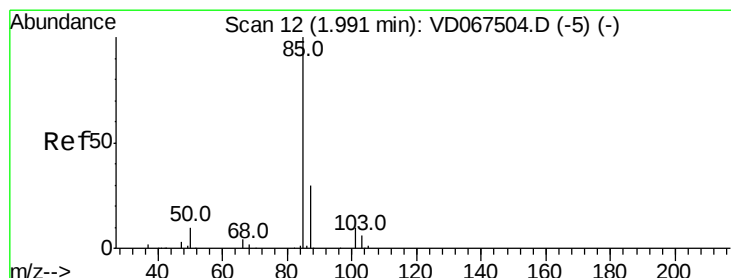
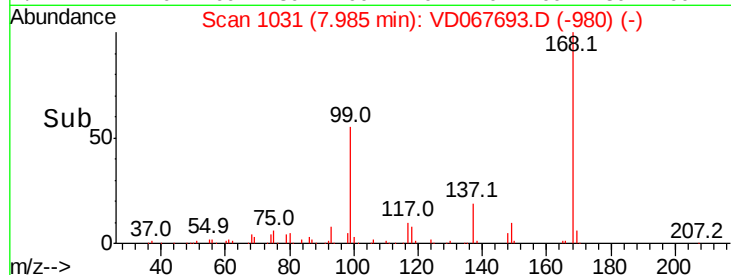
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067693.D

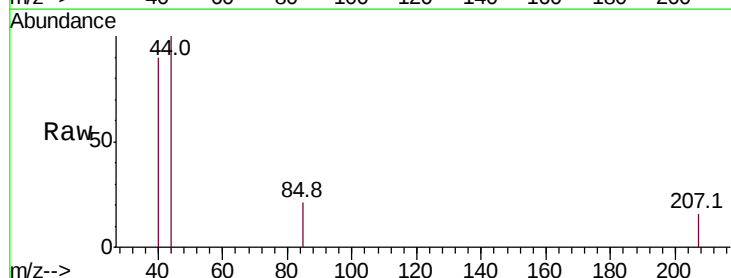
Acq: 18 Nov 2020 18:34

Tgt Ion: 85 Resp: 70

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

1.99

200

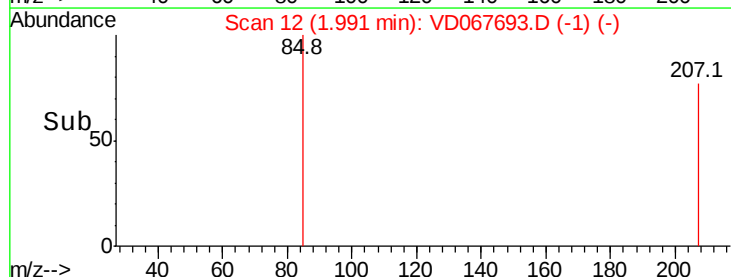
150

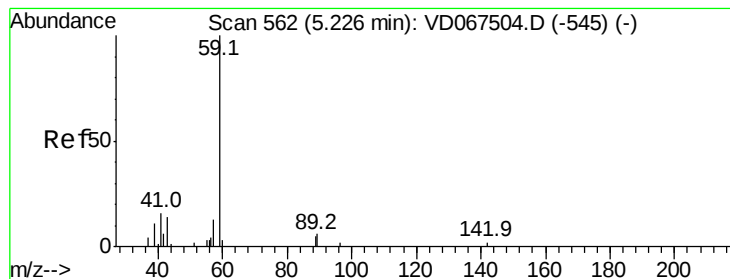
100

50

0

Time-->



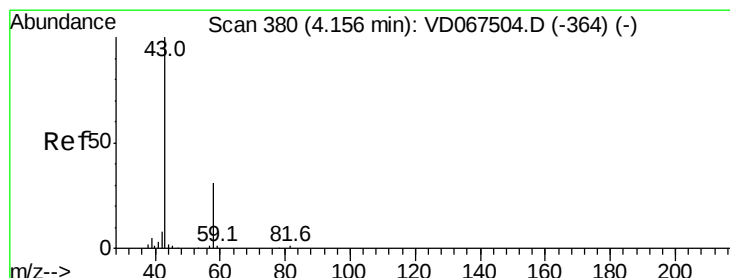
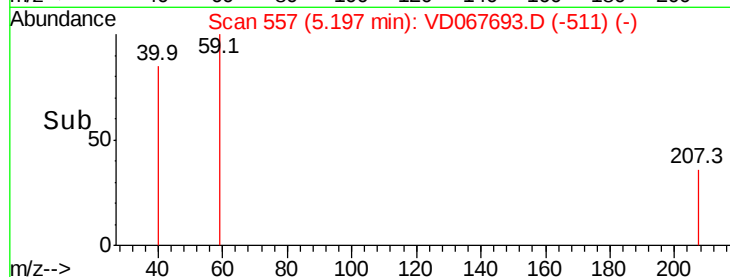
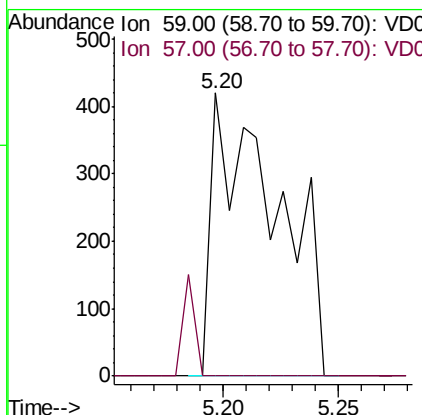
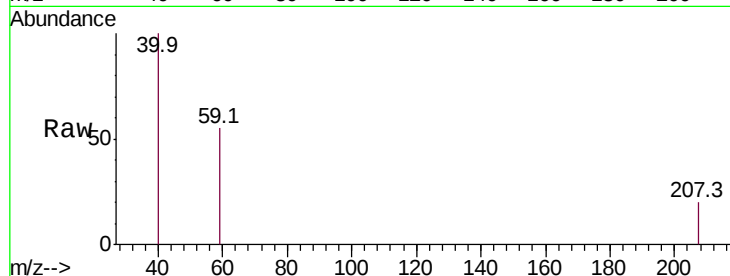


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD067693.D
 Acq: 18 Nov 2020 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 ND-SOIL

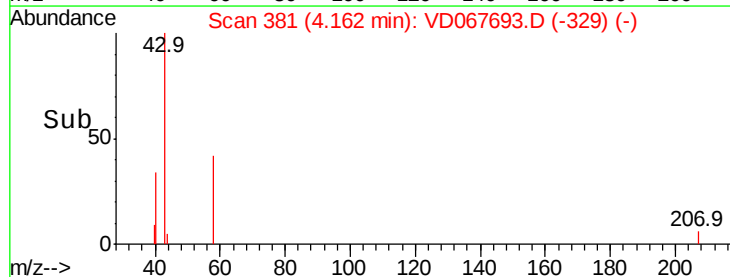
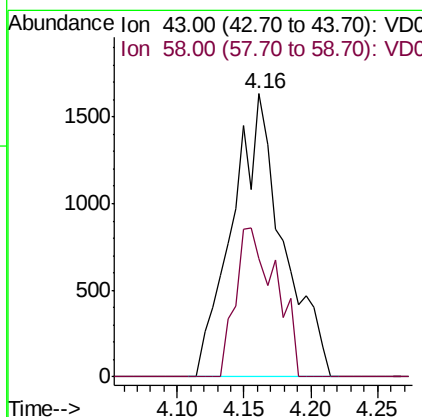
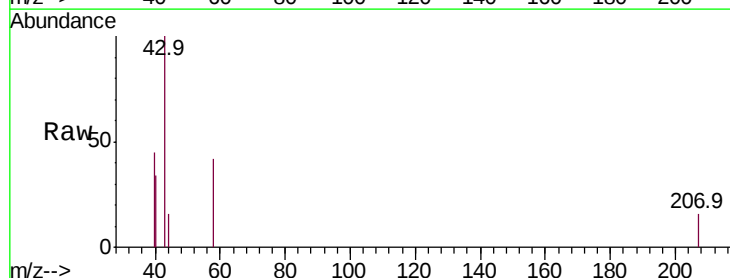
Tot Ion: 59 Resp: 821
 Ion Ratio Lower Upper
 59 100
 57 6.5 5.9 8.9

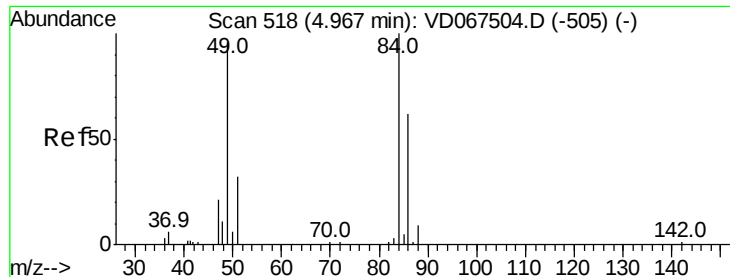


#16

Acetone
 Concen: 12.157 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067693.D
 Acq: 18 Nov 2020 18:34

Tgt Ion: 43 Resp: 4307
 Ion Ratio Lower Upper
 43 100
 58 41.9 25.2 37.8#

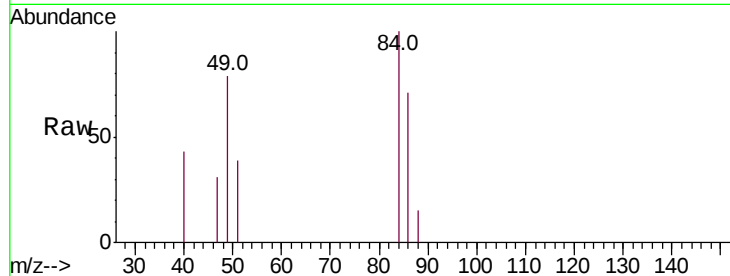




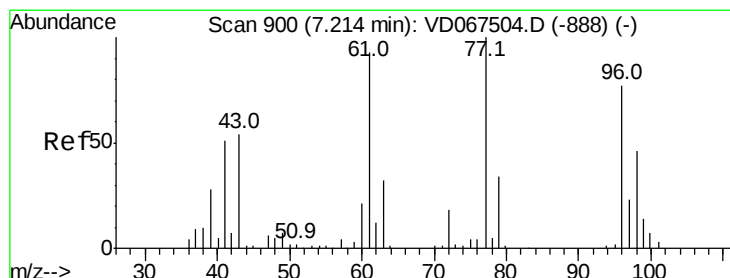
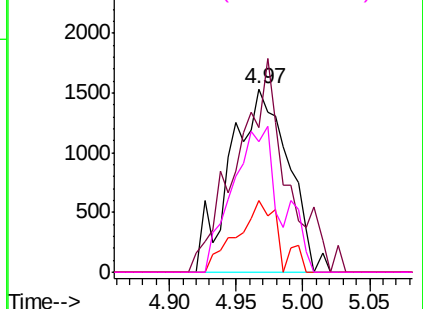
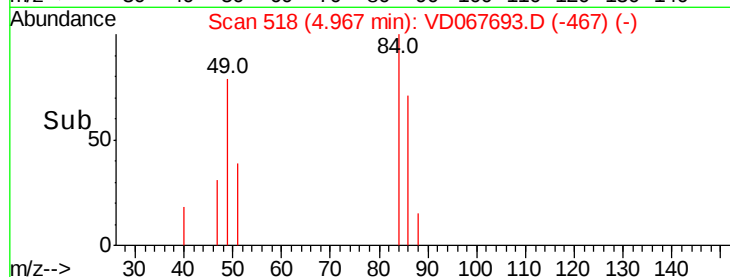
#20
Methvlene Chloride
Concen: 1.842 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Instrument :
MSVOA_D
ClientSampleId :
ND-SOIL

Tot Ion: 84 Resp: 4609
Ion Ratio Lower Upper
84 100
49 79.2 77.0 115.4
51 39.4 25.4 38.2#
86 71.1 49.4 74.0

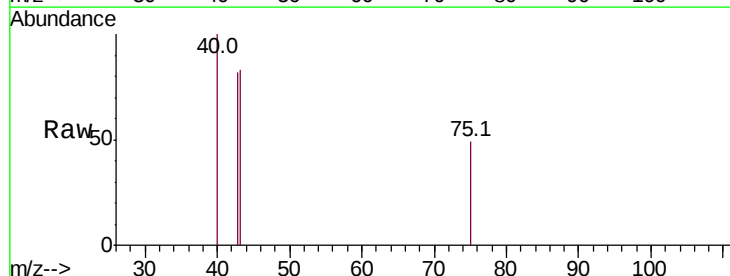


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

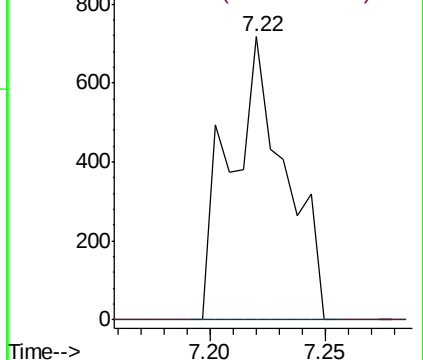
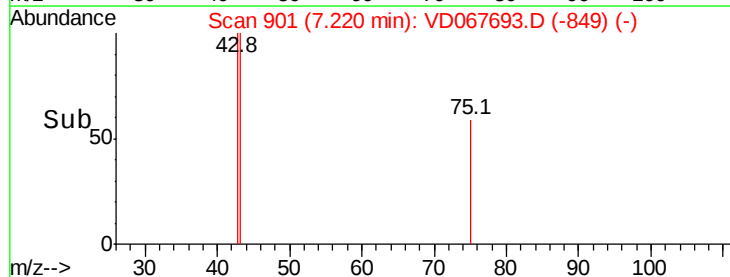


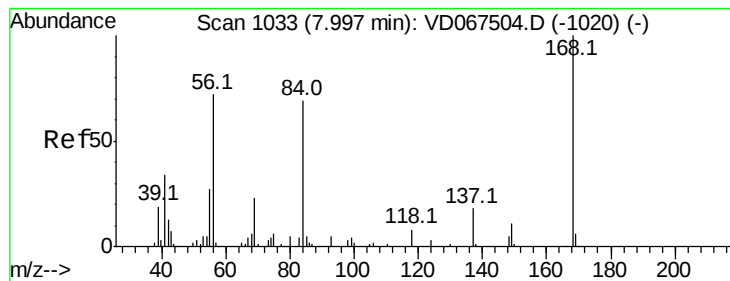
#25
2-Butanone
Concen: 3.159 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Tgt Ion: 43 Resp: 1196
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: 1.461 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampleId :

ND-SOIL

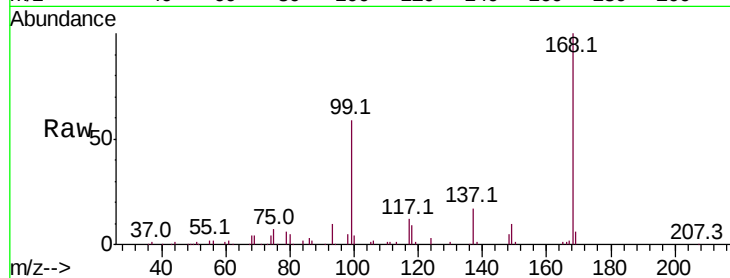
Tot Ion: 56 Resp: 5016

Ion Ratio Lower Upper

56 100

69 152.9 25.9 38.9#

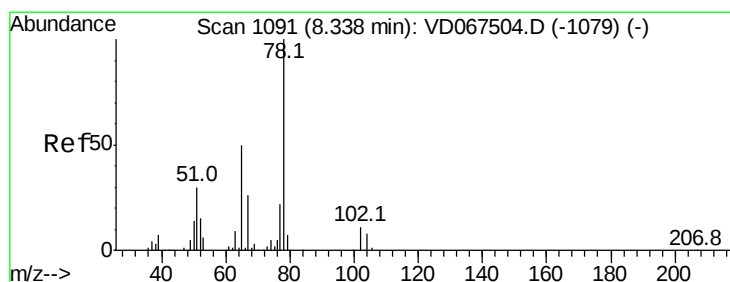
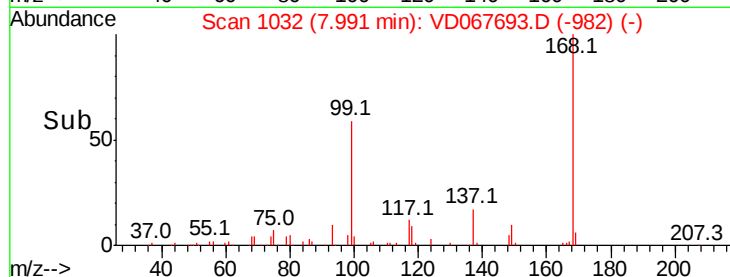
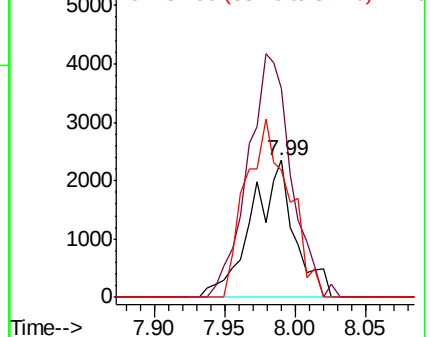
84 92.9 76.2 114.4



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: 57.954 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067693.D

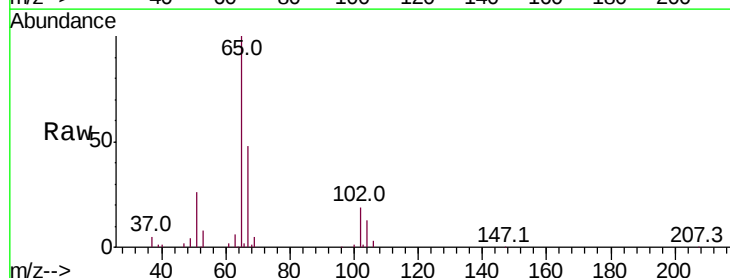
Acq: 18 Nov 2020 18:34

Tgt Ion: 65 Resp: 137205

Ion Ratio Lower Upper

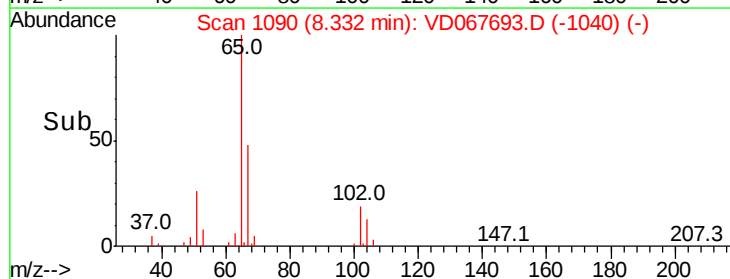
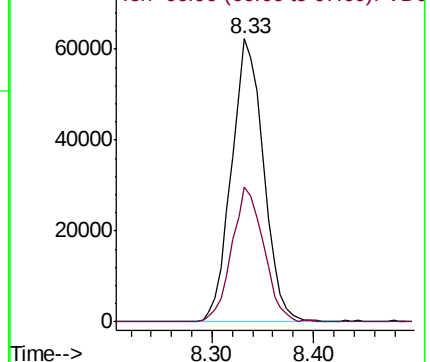
65 100

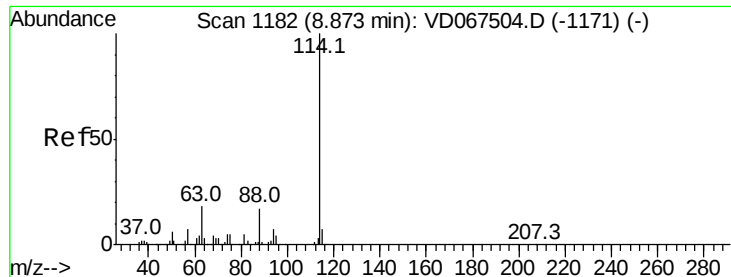
67 47.3 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

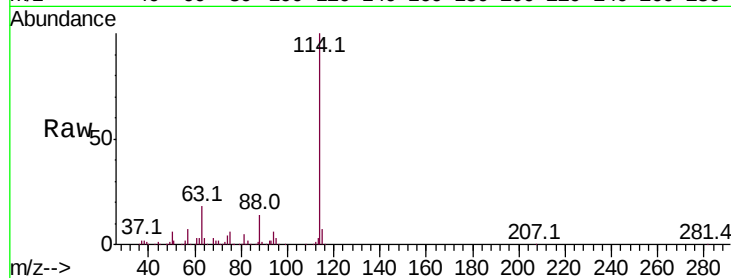




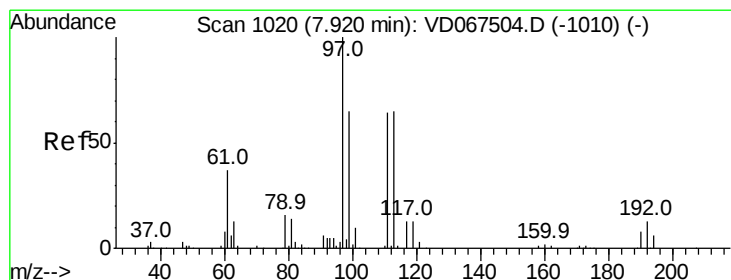
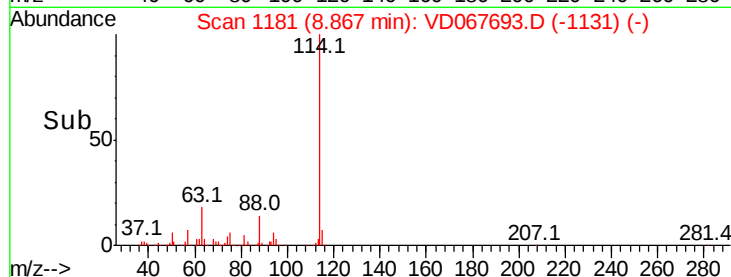
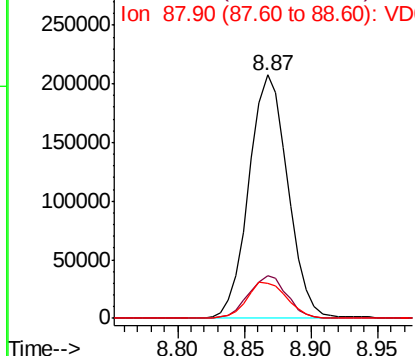
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Instrument :
MSVOA_D
ClientSampled :
ND-SOIL

Tot Ion:114 Resp: 418353
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.0
88 14.2 0.0 33.0

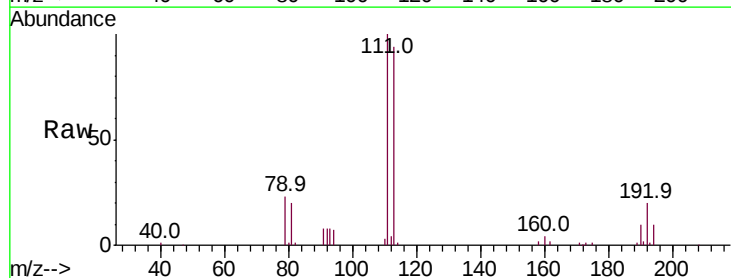


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

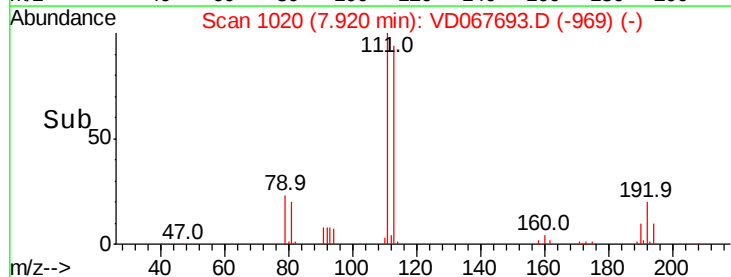
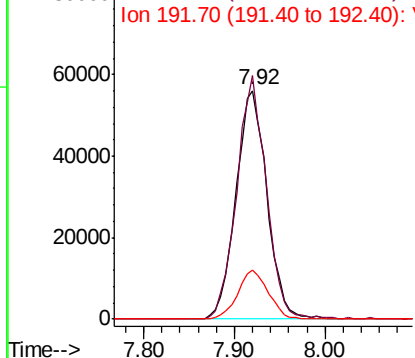


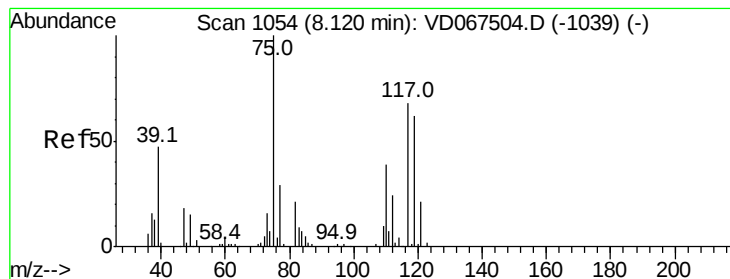
#35
Dibromofluoromethane
Concen: 53.046 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Tgt Ion:113 Resp: 133705
Ion Ratio Lower Upper
113 100
111 101.2 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





#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampled :

ND-SOIL

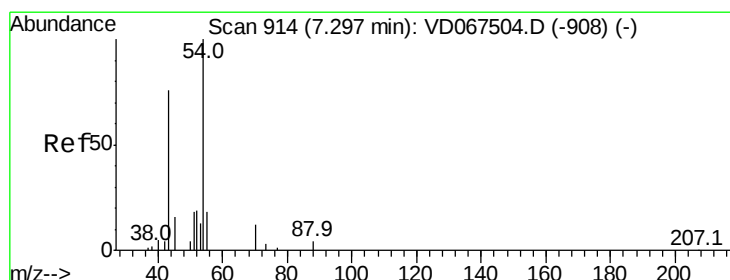
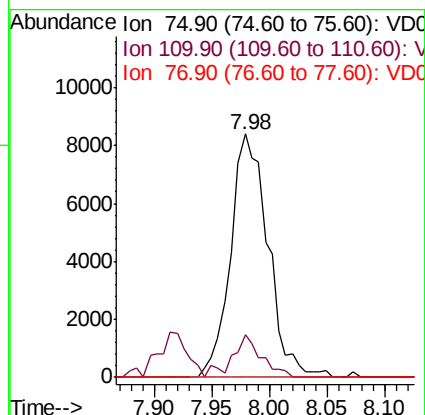
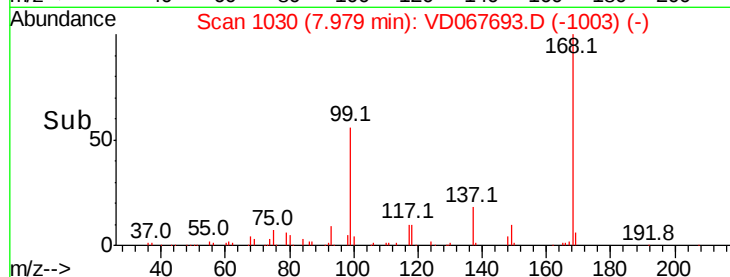
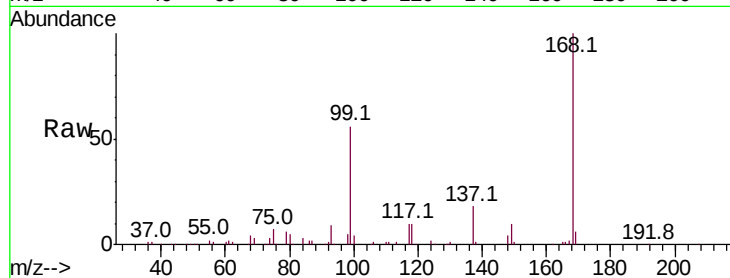
Tot Ion: 75 Resp: 18835

Ion Ratio Lower Upper

75 100

110 13.6 19.9 59.7#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.286 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

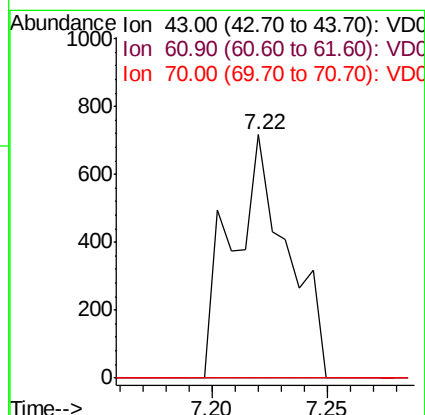
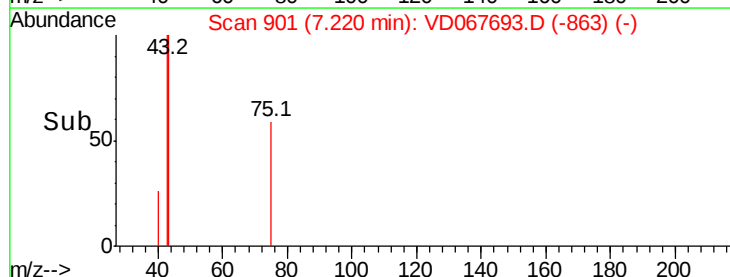
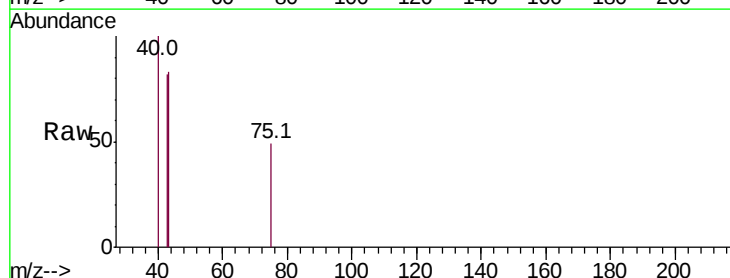
Tgt Ion: 43 Resp: 1196

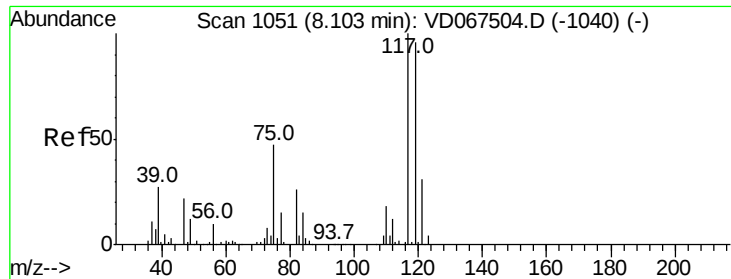
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

70 0.0 11.7 17.5#





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampleId :

ND-SOIL

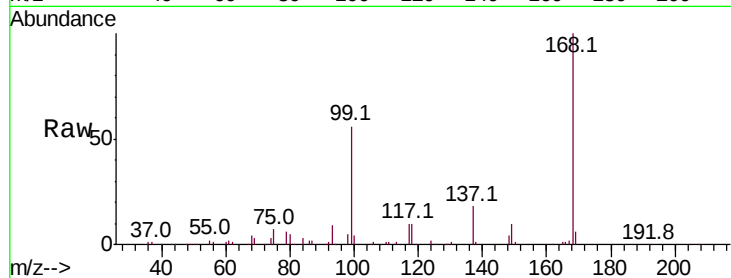
Tot Ion:117 Resp: 27489

Ion Ratio Lower Upper

117 100

119 4.5 76.9 115.3#

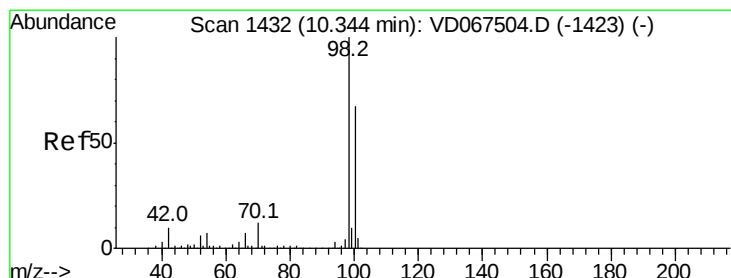
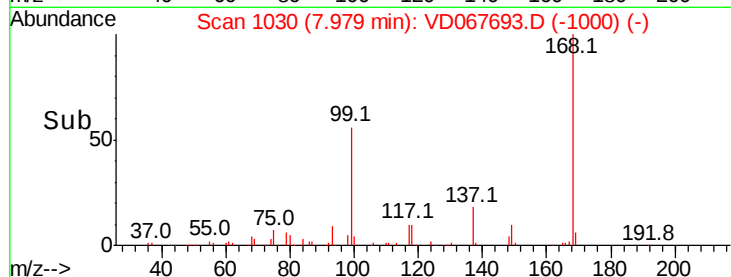
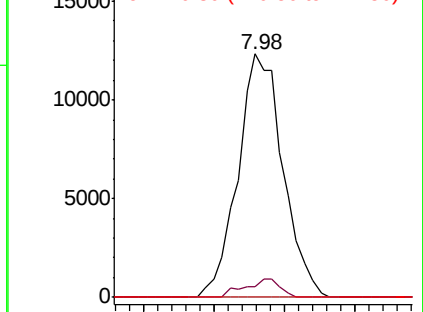
121 0.0 24.5 36.7#



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: 56.400 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067693.D

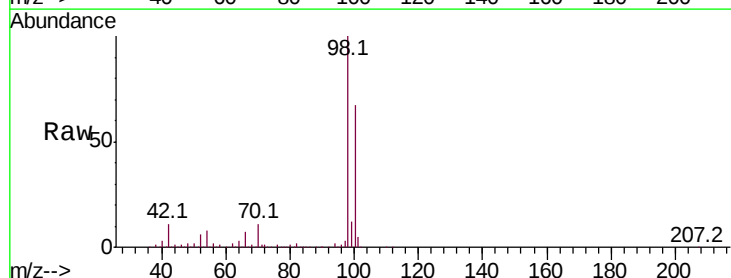
Acq: 18 Nov 2020 18:34

Tgt Ion: 98 Resp: 499587

Ion Ratio Lower Upper

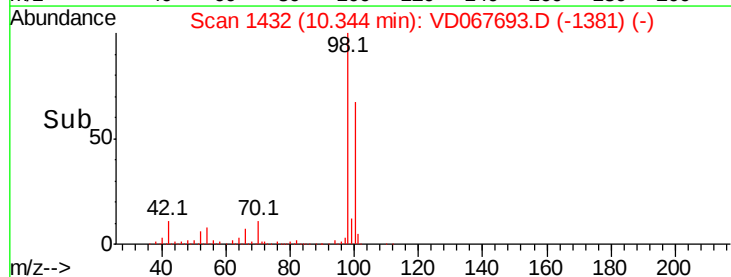
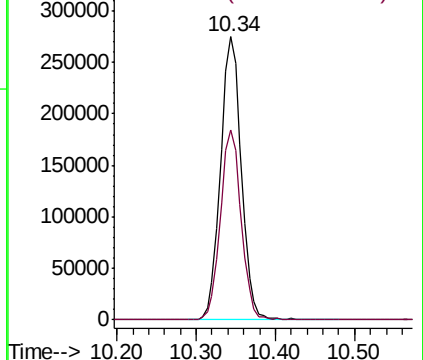
98 100

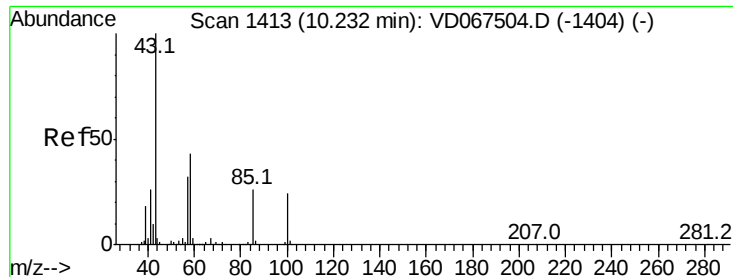
100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.241 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampleID :

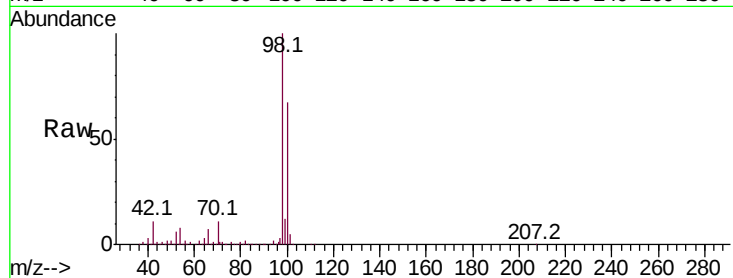
ND-SOIL

Tot Ion: 43 Resp: 1971

Ion Ratio Lower Upper

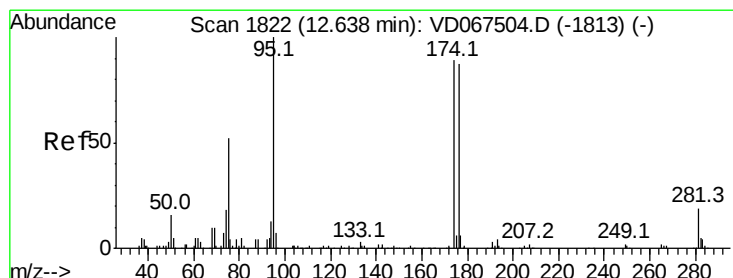
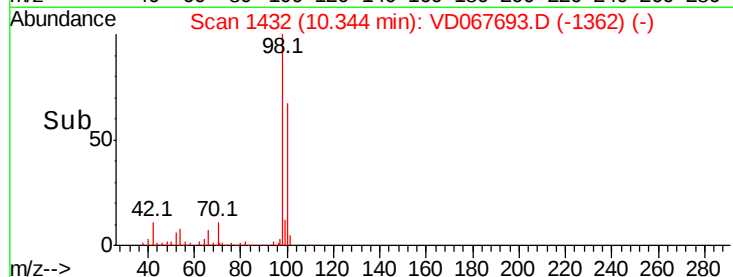
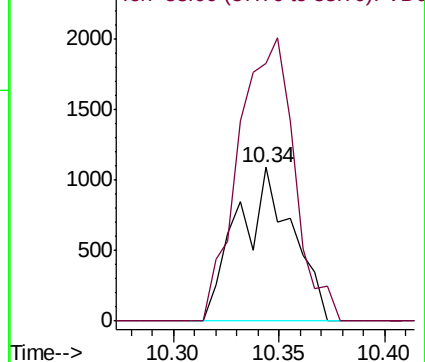
43 100

58 187.3 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 65.165 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

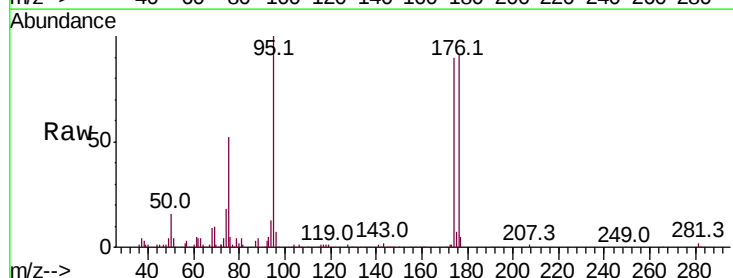
Tgt Ion: 95 Resp: 199285

Ion Ratio Lower Upper

95 100

174 93.4 0.0 177.8

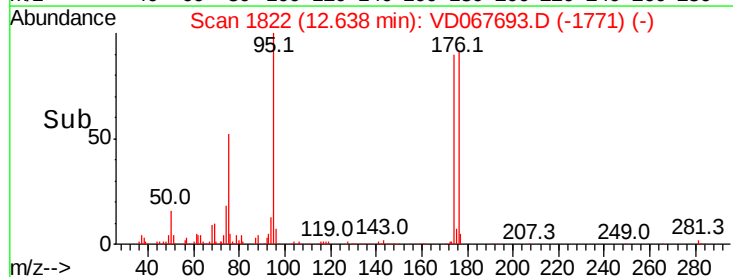
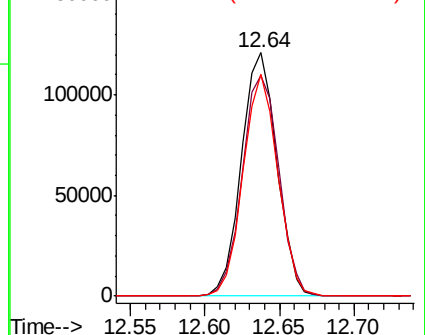
176 89.0 0.0 172.0

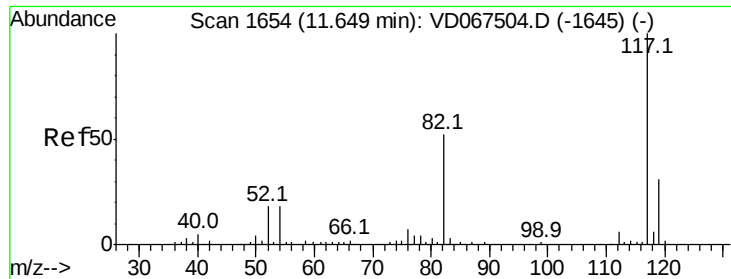


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

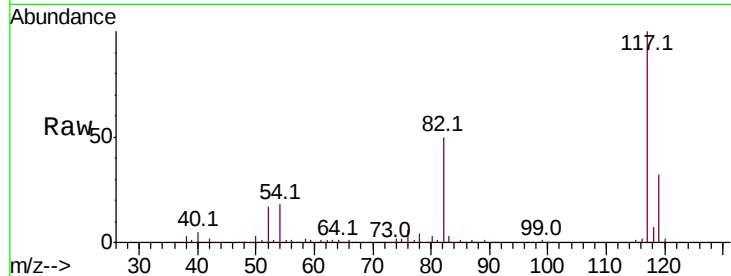




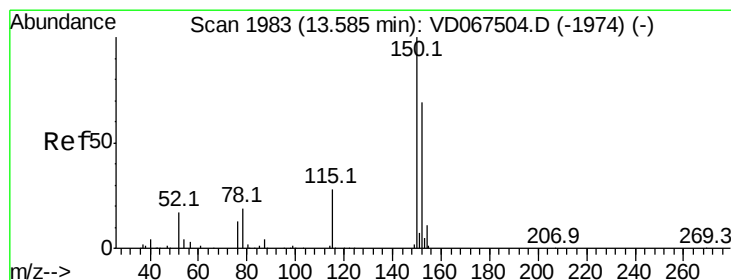
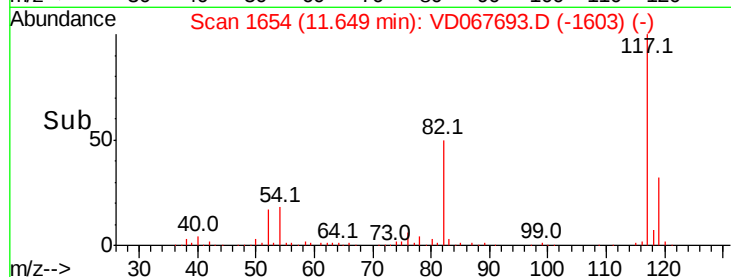
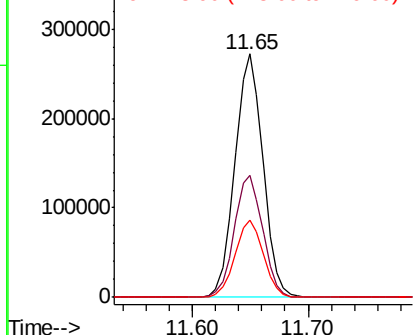
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Instrument :
MSVOA_D
ClientSampleId :
ND-SOIL

Tot Ion:117 Resp: 457039
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 31.7 25.1 37.7

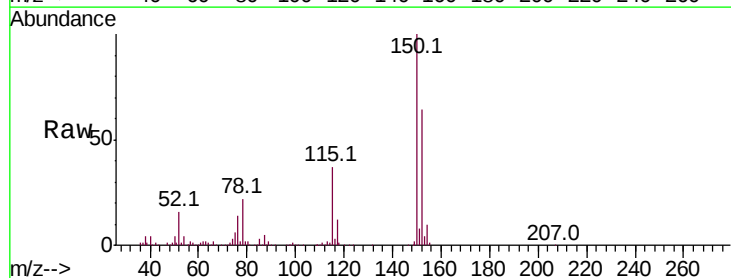


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

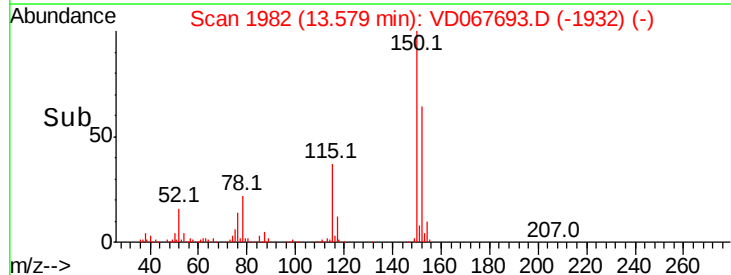
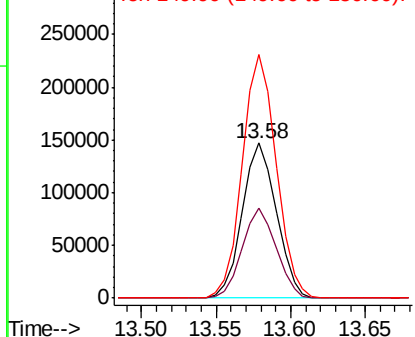


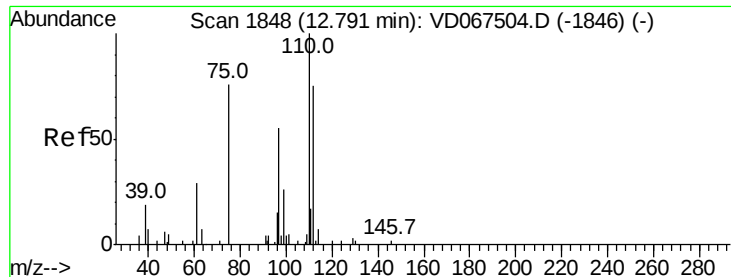
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067693.D
Acq: 18 Nov 2020 18:34

Tgt Ion:152 Resp: 233141
Ion Ratio Lower Upper
152 100
115 57.8 29.3 88.0
150 156.1 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: 75.276 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

Instrument :

MSVOA_D

ClientSampleId :

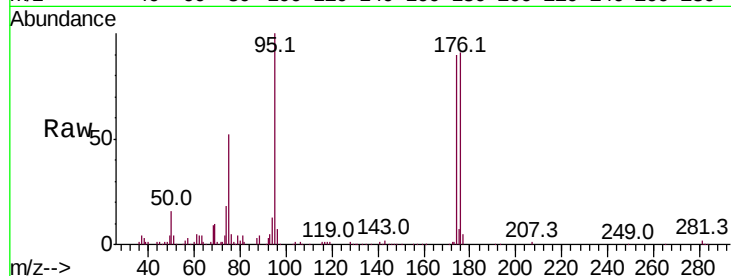
ND-SOIL

Tot Ion: 75 Resp: 105871

Ion Ratio Lower Upper

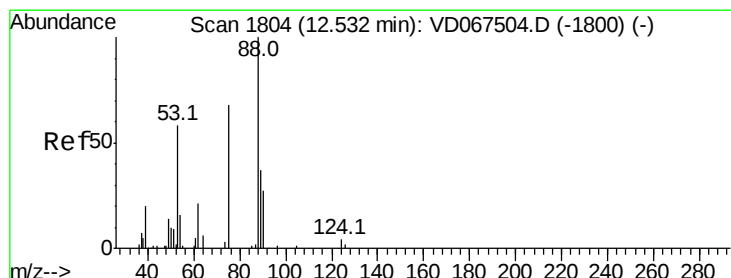
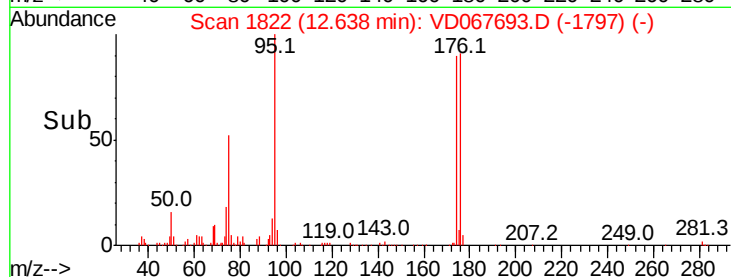
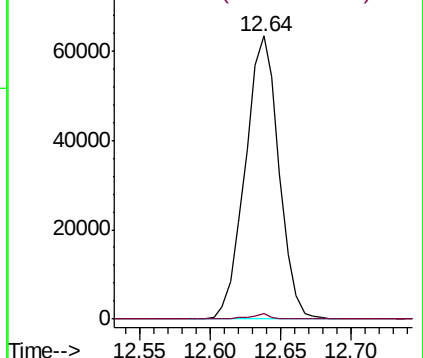
75 100

77 1.1 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: 152.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067693.D

Acq: 18 Nov 2020 18:34

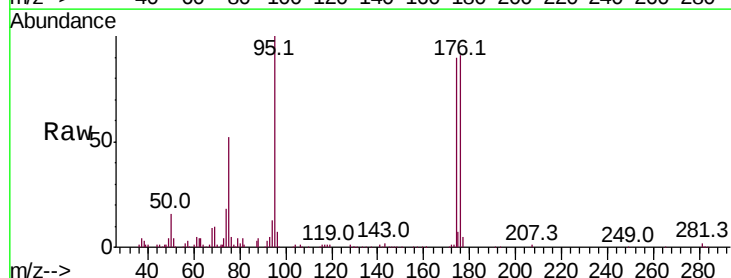
Tgt Ion: 75 Resp: 105871

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

