

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067478.D
 Acq On : 30 Oct 2020 17:59
 Operator : VA/SY
 Sample : L4539-01
 Misc : 6.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JCG-SOIL

Quant Time: Oct 31 07:28:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	106333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	161944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	177416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	93072	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	72598	68.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	136.30%	
35) Dibromofluoromethane	7.92	113	61132	56.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.44%	
50) Toluene-d8	10.34	98	194979	49.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	77747	57.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.66%	

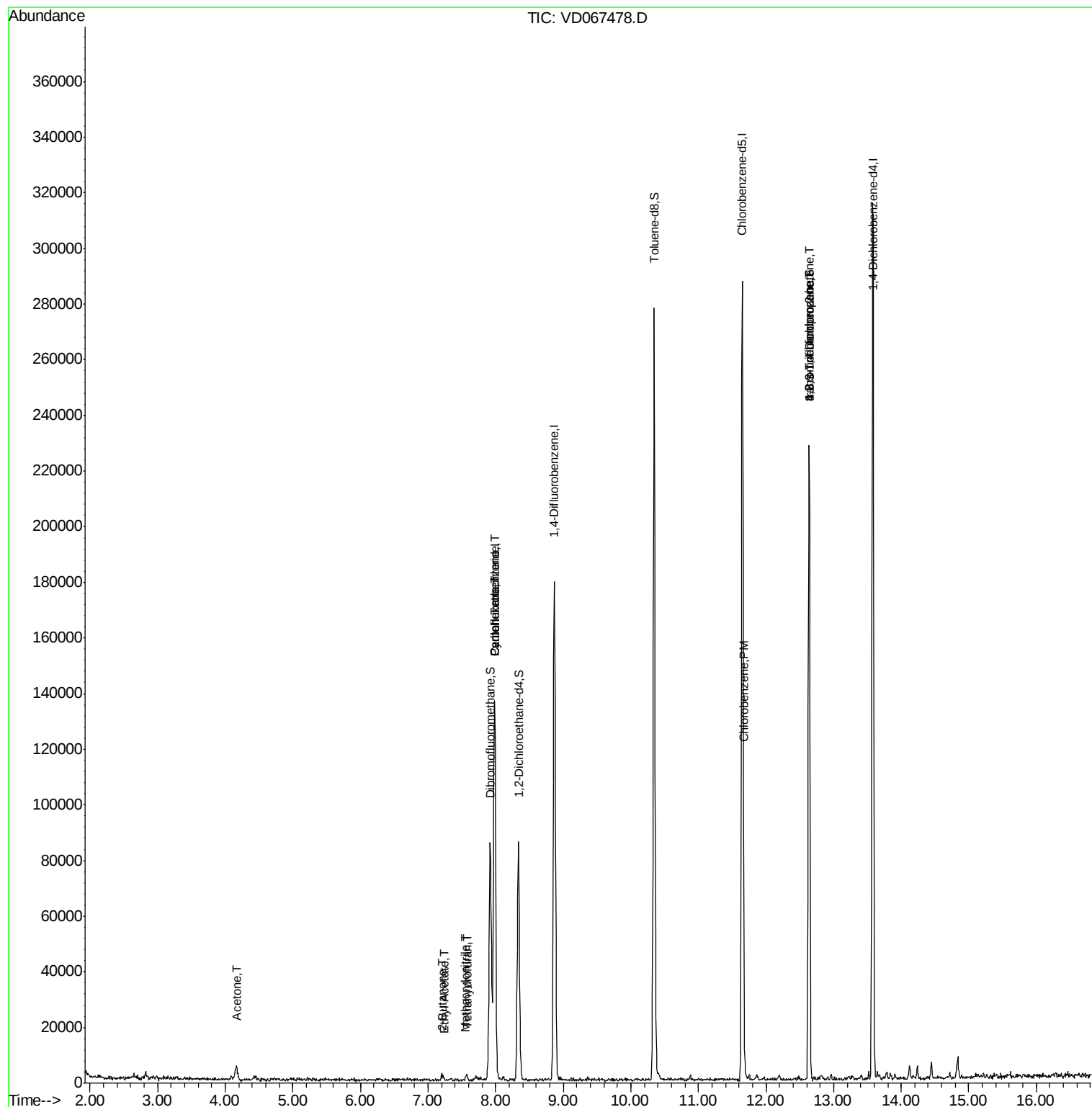
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	199	Below Cal	#	44
5) Bromomethane	2.77	94	62	Below Cal	#	41
16) Acetone	4.17	43	9321	62.475	ug/l #	81
20) Methylene Chloride	4.97	84	507	Below Cal	#	52
25) 2-Butanone	7.21	43	1082	6.362	ug/l #	87
29) Tetrahydrofuran	7.57	42	1093	11.562	ug/l #	46
31) Cyclohexane	7.98	56	2397	1.954	ug/l #	47
37) Ethyl Acetate	7.24	43	633	1.567	ug/l #	73
38) Carbon Tetrachloride	7.99	117	12260	6.989	ug/l #	19
41) Methacrylonitrile	7.54	41	355	1.627	ug/l #	8
65) Chlorobenzene	11.67	112	6392	1.879	ug/l #	77
76) 1,2,3-Trichloropropane	12.64	75	36640	56.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	36640	128.804	ug/l #	10

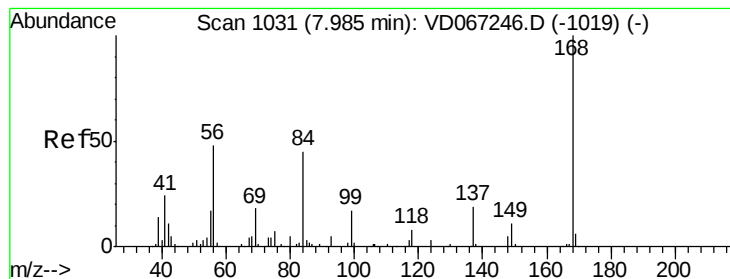
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

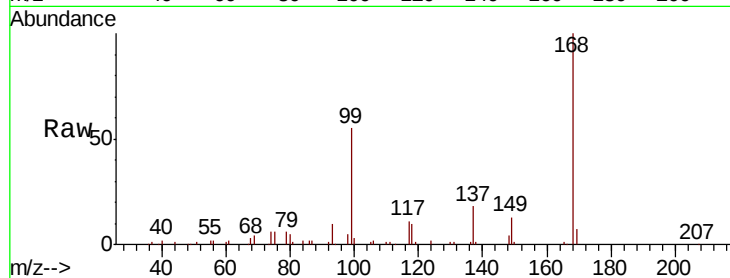
JCG-SOIL

Tot Ion:168 Resp: 106333

Ion Ratio Lower Upper

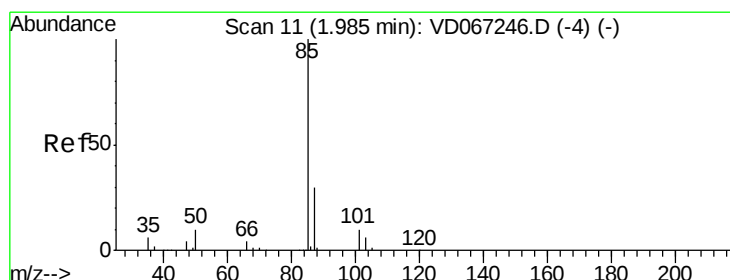
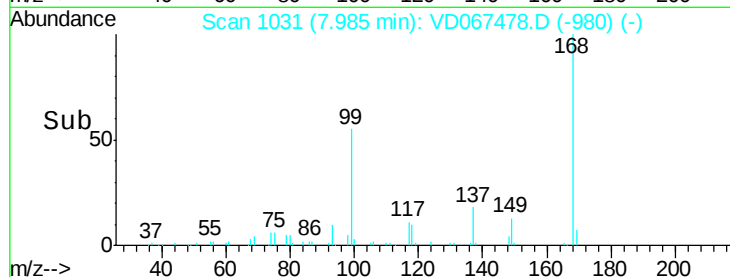
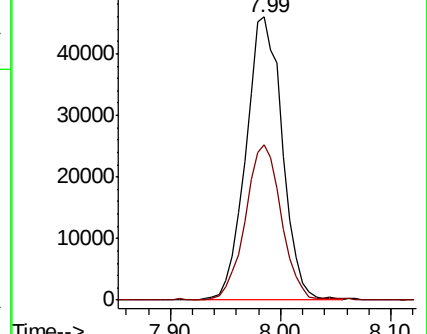
168 100

99 55.0 45.9 68.9



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. 0.01 min

Lab File: VD067478.D

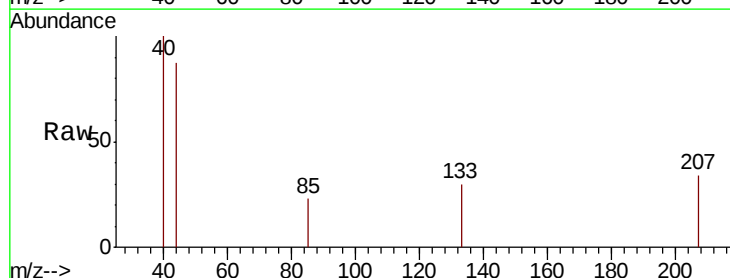
Acq: 30 Oct 2020 17:59

Tgt Ion: 85 Resp: 199

Ion Ratio Lower Upper

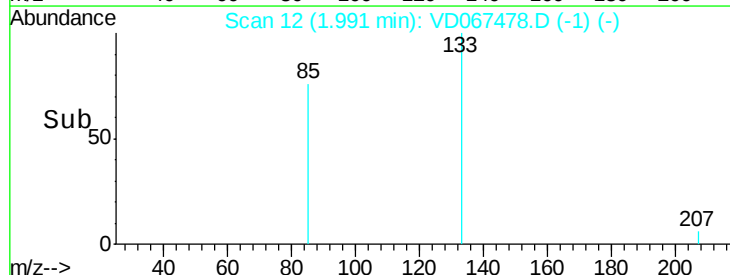
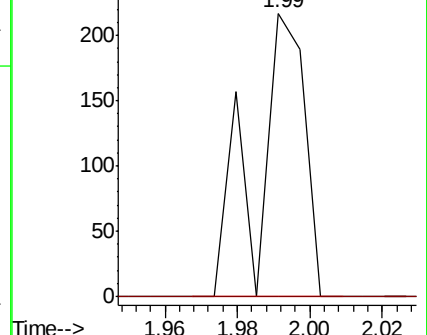
85 100

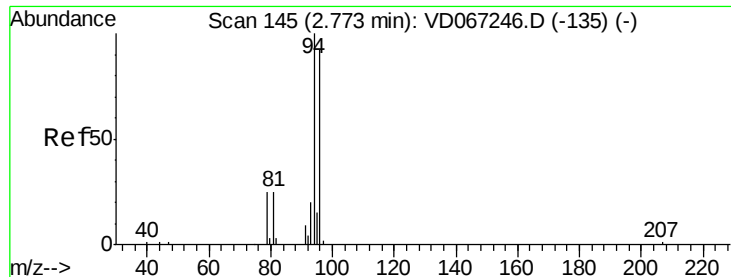
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

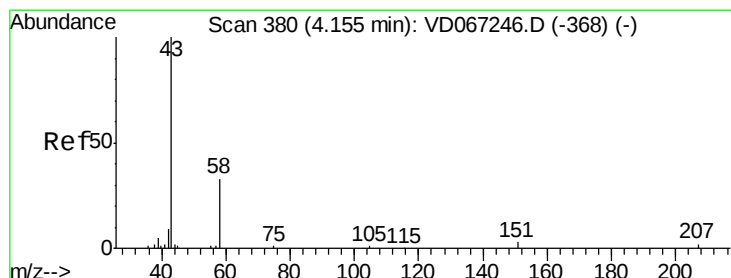
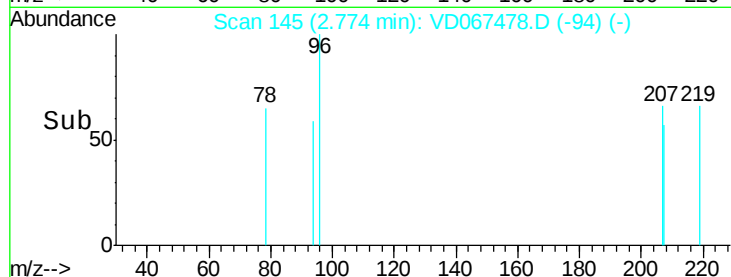
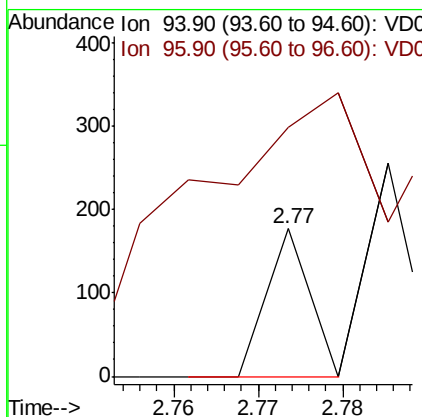
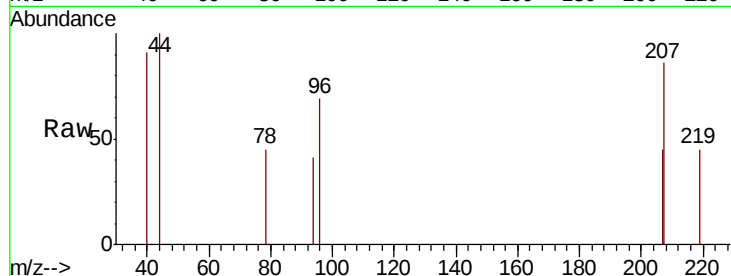
JCG-SOIL

Tot Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

96 35.6 73.8 110.6#



#16

Acetone

Concen: 62.475 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067478.D

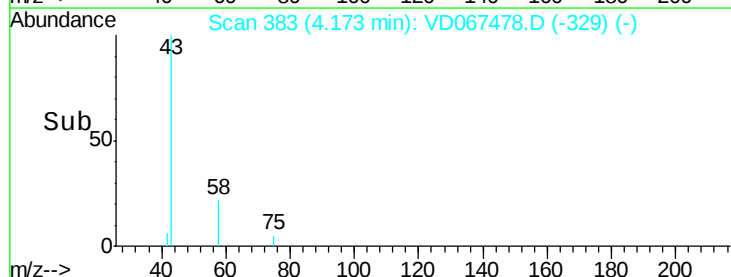
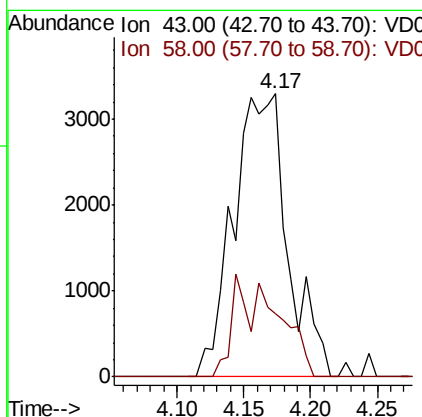
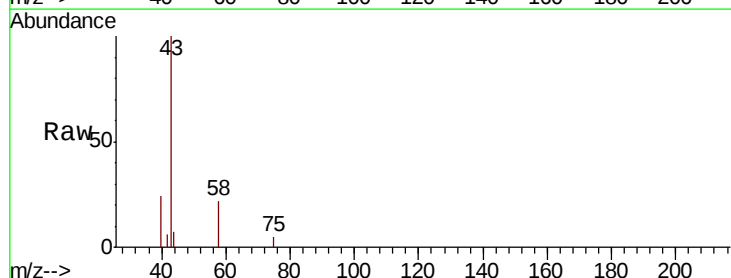
Acq: 30 Oct 2020 17:59

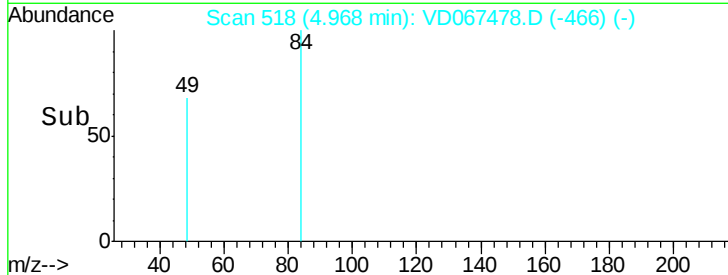
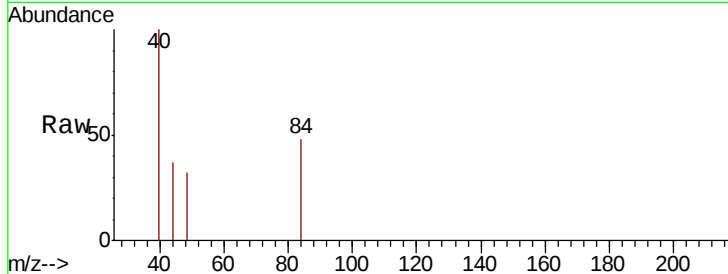
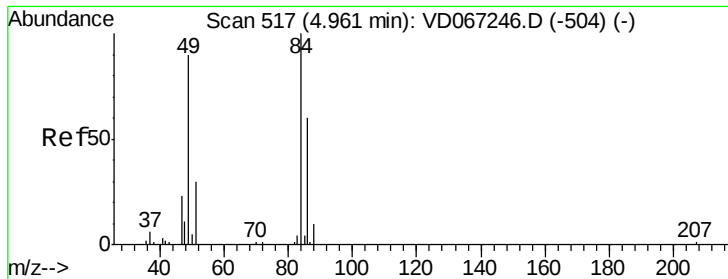
Tgt Ion: 43 Resp: 9321

Ion Ratio Lower Upper

43 100

58 22.2 26.1 39.1#

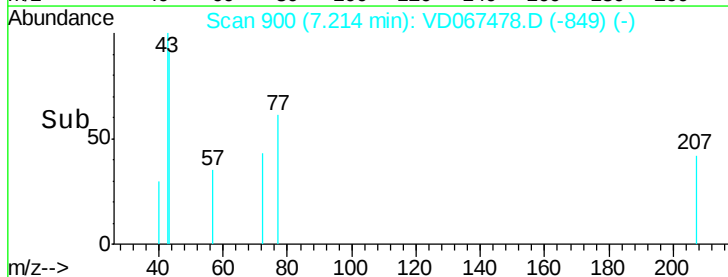
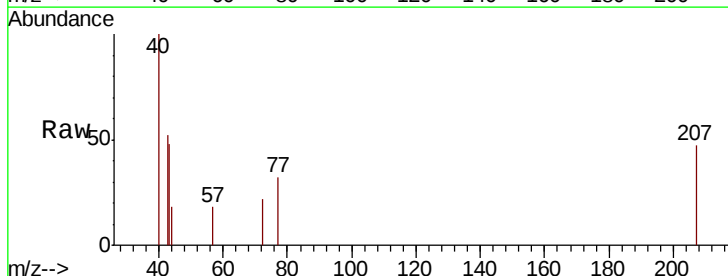
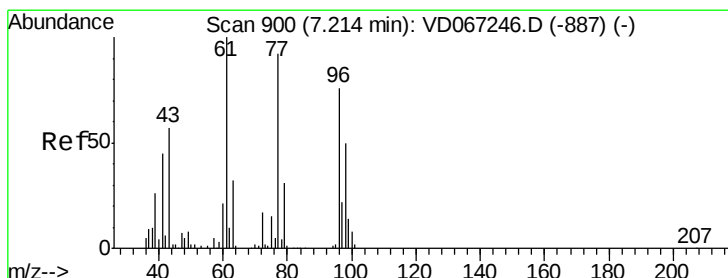
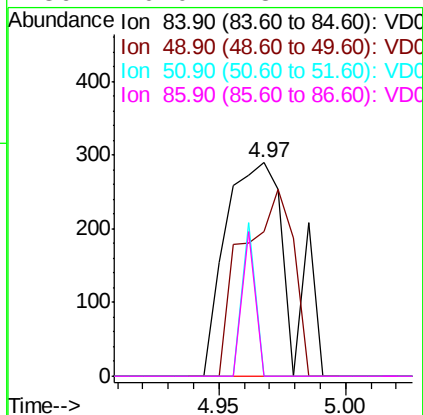




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067478.D
Acq: 30 Oct 2020 17:59

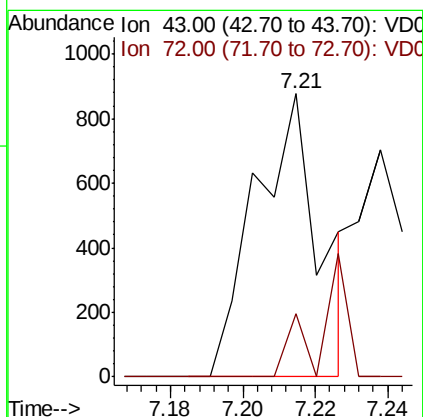
Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

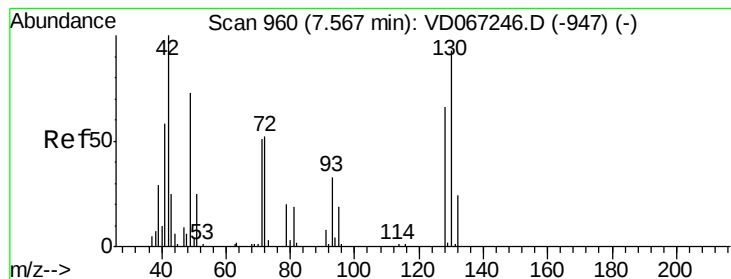
Tot Ion: 84 Resp: 507
Ion Ratio Lower Upper
84 100
49 67.9 72.2 108.2#
51 0.0 23.8 35.8#
86 0.0 48.2 72.4#



#25
2-Butanone
Concen: 6.362 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067478.D
Acq: 30 Oct 2020 17:59

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
72 22.5 23.7 35.5#





#29

Tetrahydrofuran

Concen: 11.562 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

JCG-SOIL

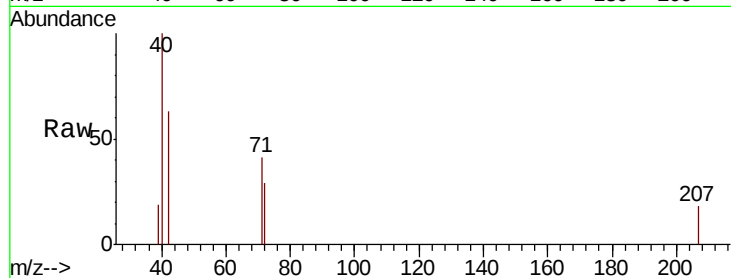
Tot Ion: 42 Resp: 1093

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

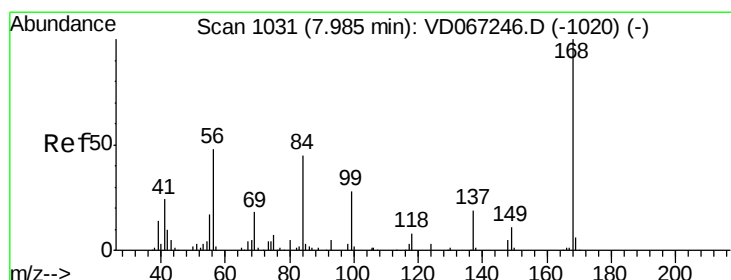
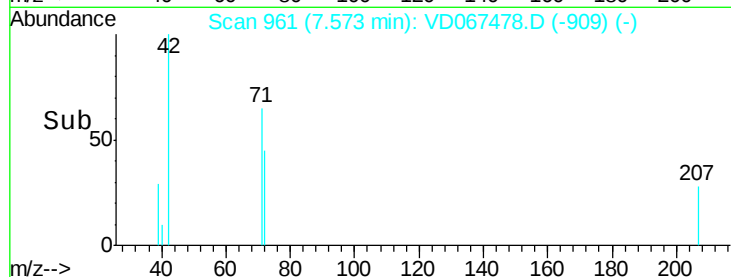
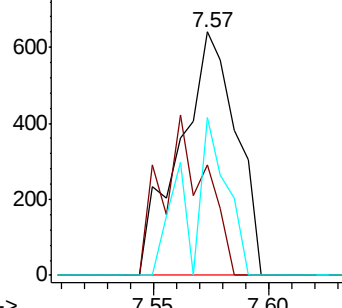
71 28.4 39.4 59.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.954 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

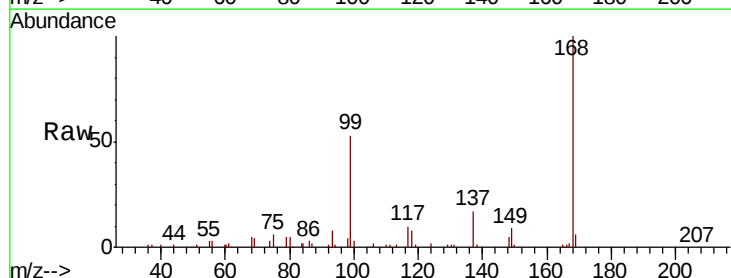
Tgt Ion: 56 Resp: 2397

Ion Ratio Lower Upper

56 100

69 111.4 29.8 44.6#

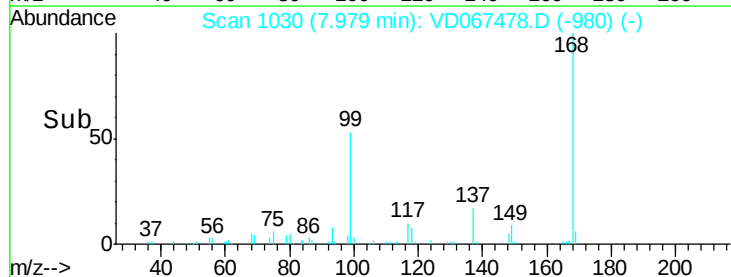
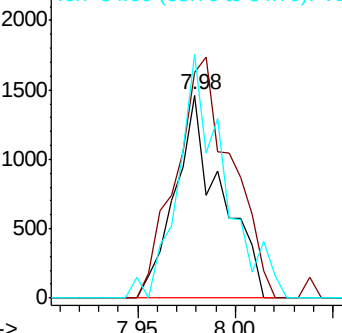
84 120.1 76.6 114.8#

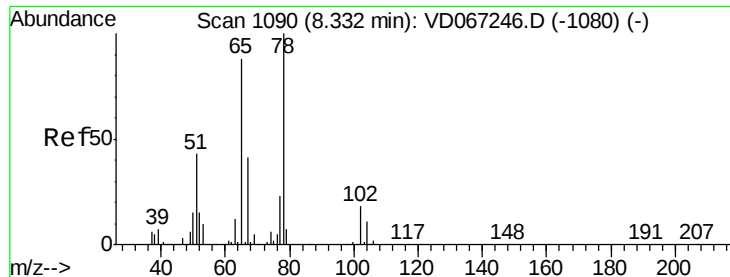


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

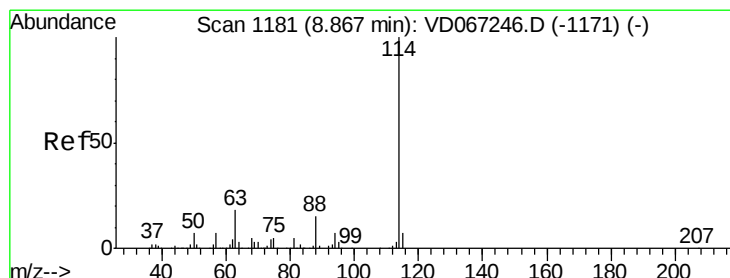
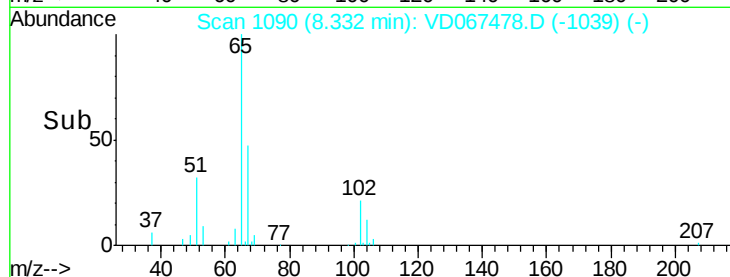
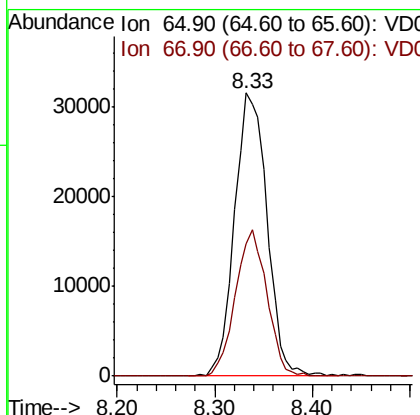
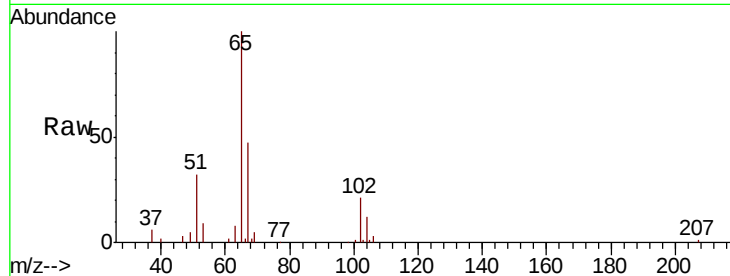




#33
 1,2-Dichloroethane-d4
 Concen: 68.148 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067478.D
 Acq: 30 Oct 2020 17:59

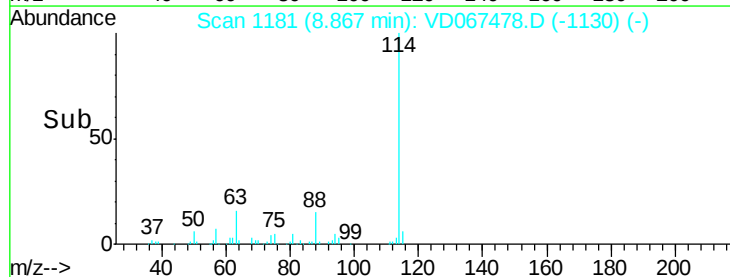
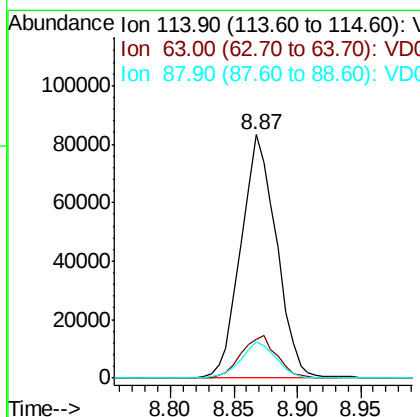
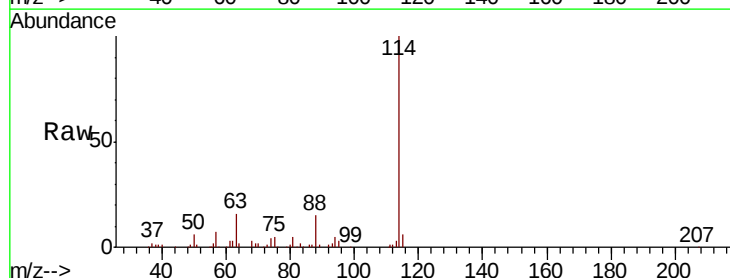
Instrument :
 MSVOA_D
 ClientSampleId :
 JCG-SOIL

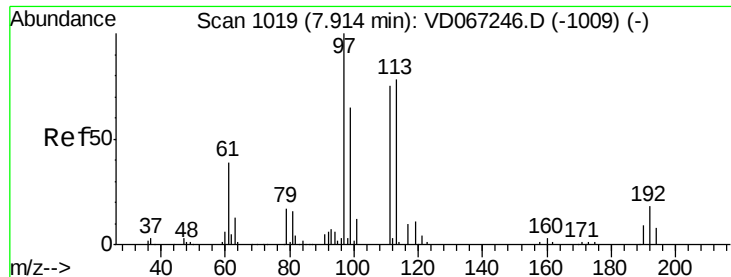
Tot Ion: 65 Resp: 72598
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067478.D
 Acq: 30 Oct 2020 17:59

Tgt Ion: 114 Resp: 161944
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 35.0
 88 14.7 0.0 30.6

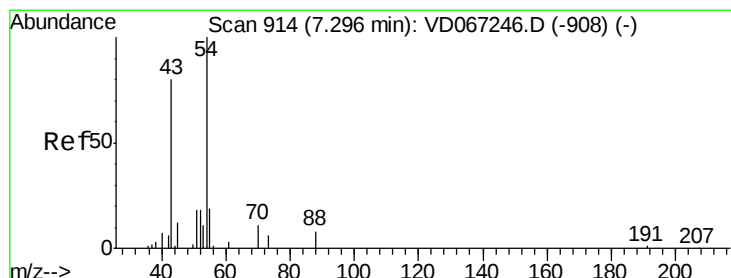
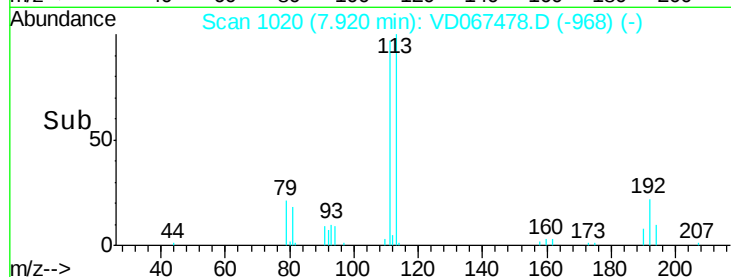
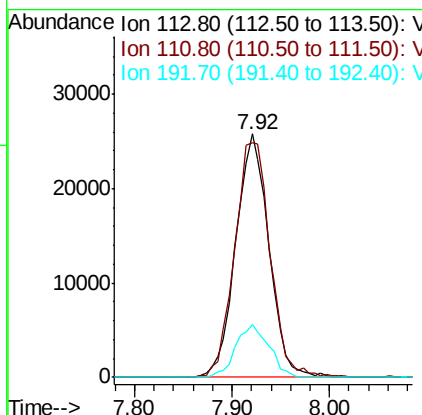
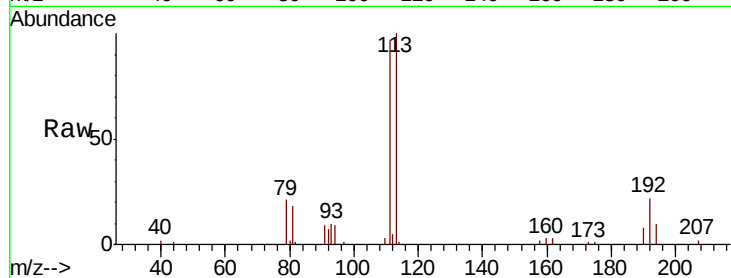




#35
Dibromofluoromethane
Concen: 56.722 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067478.D
Acq: 30 Oct 2020 17:59

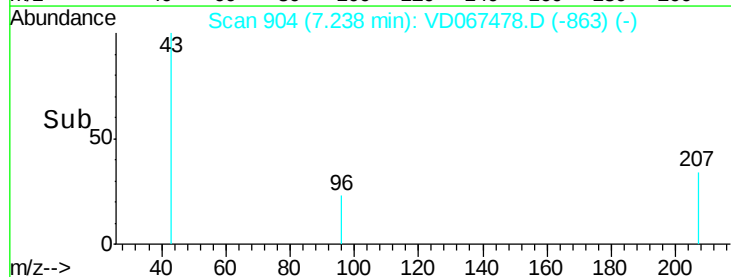
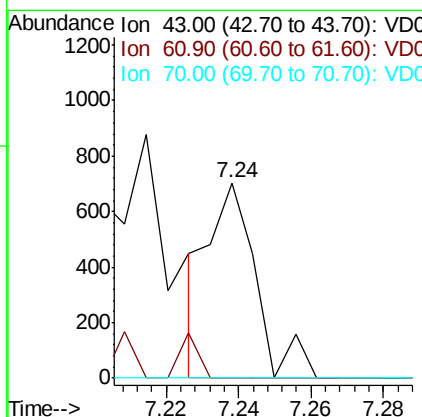
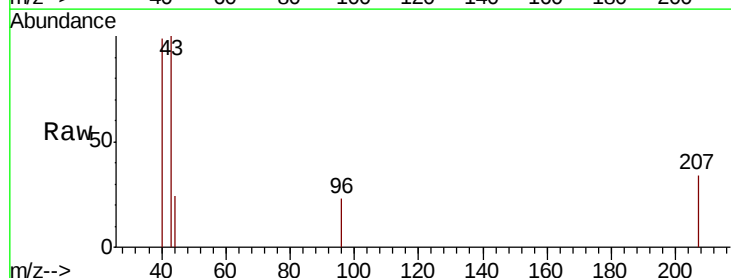
Instrument :
MSVOA_D
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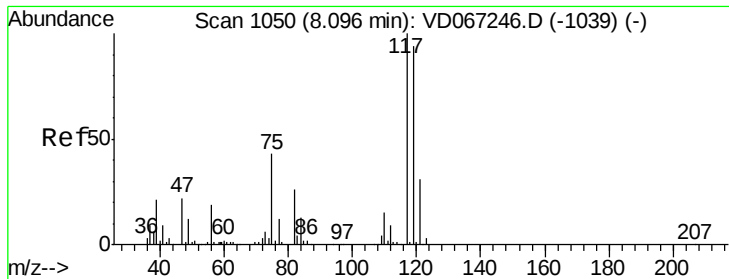
Tot Ion:113 Resp: 61132
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 21.7 17.0 25.4



#37
Ethyl Acetate
Concen: 1.567 ug/l
RT: 7.24 min Scan# 904
Delta R.T. -0.06 min
Lab File: VD067478.D
Acq: 30 Oct 2020 17:59

Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
61 9.0 15.6 23.4#
70 0.0 10.4 15.6#





#38

Carbon Tetrachloride

Concen: 6.989 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

JCG-SOIL

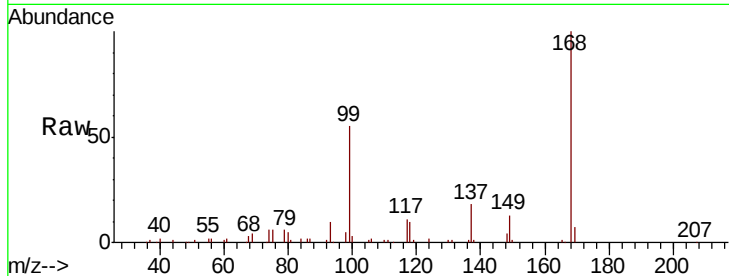
Tot Ion:117 Resp: 12260

Ion Ratio Lower Upper

117 100

119 8.2 75.0 112.4#

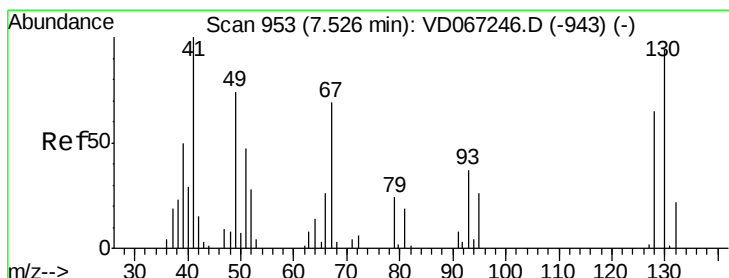
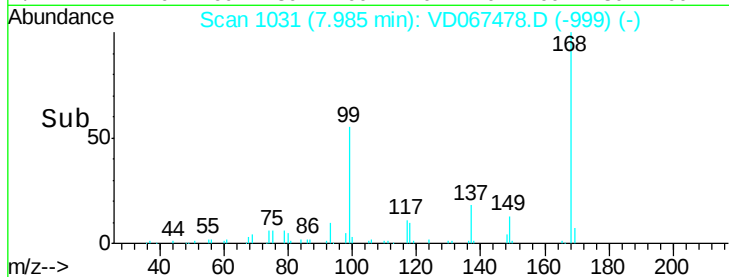
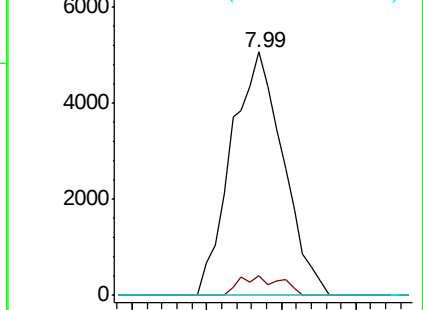
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 1.627 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Tgt Ion: 41 Resp: 355

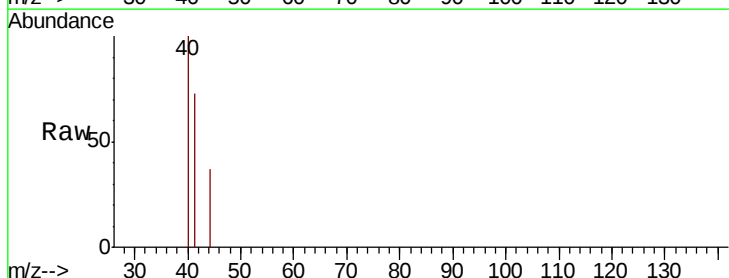
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

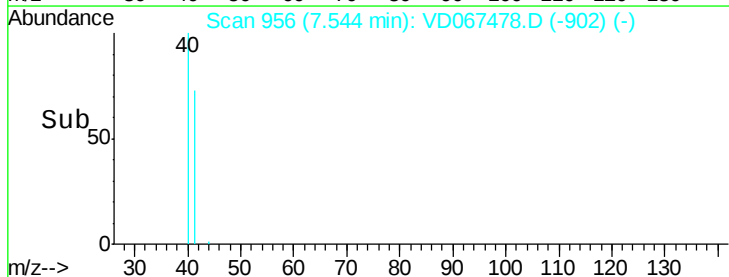
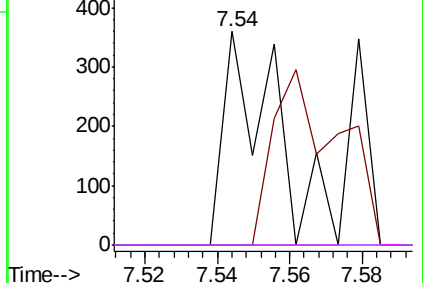


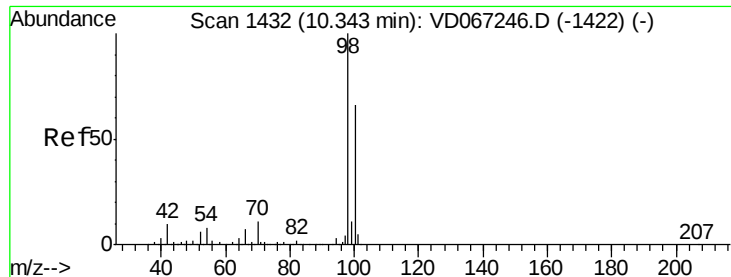
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 49.991 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

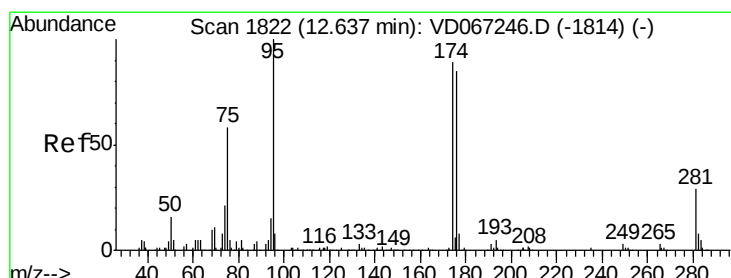
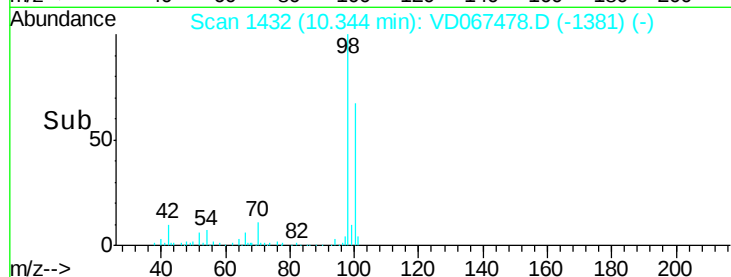
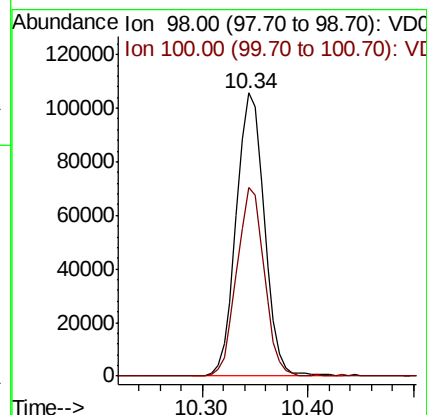
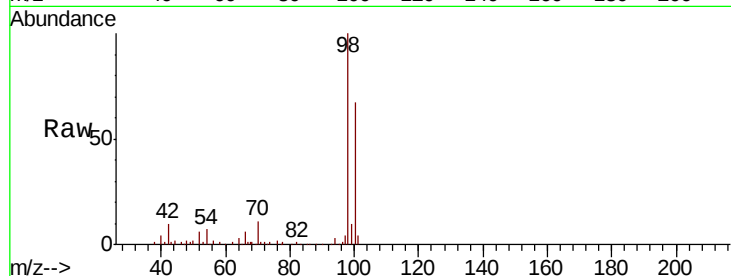
JCG-SOIL

Tot Ion: 98 Resp: 194979

Ion Ratio Lower Upper

98 100

100 65.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 57.327 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

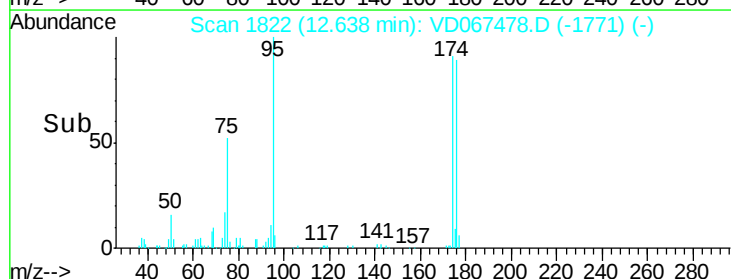
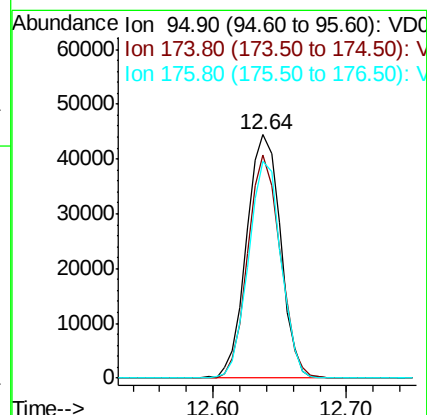
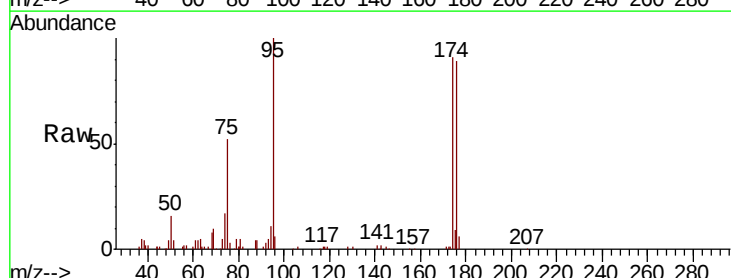
Tgt Ion: 95 Resp: 77747

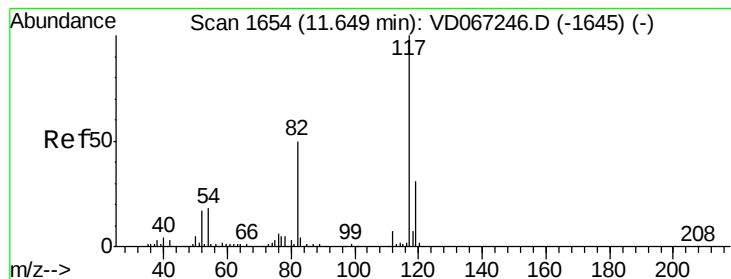
Ion Ratio Lower Upper

95 100

174 87.8 0.0 175.2

176 85.6 0.0 168.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

JCG-SOIL

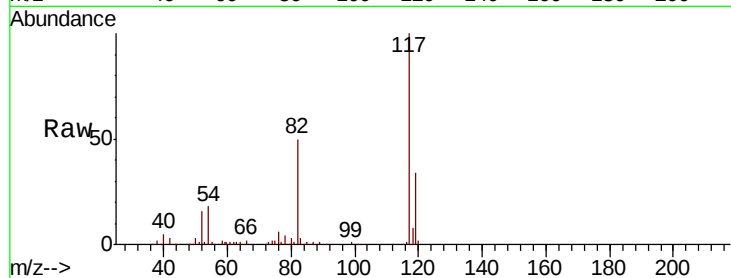
Tot Ion:117 Resp: 177416

Ion Ratio Lower Upper

117 100

82 50.1 39.9 59.9

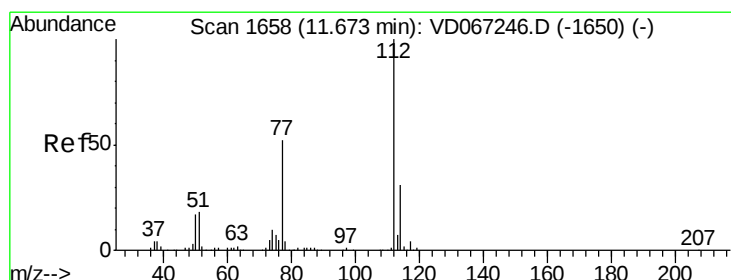
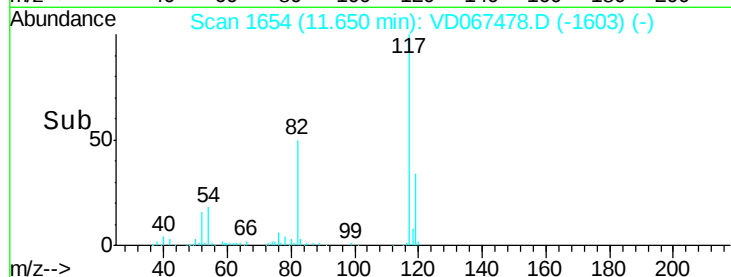
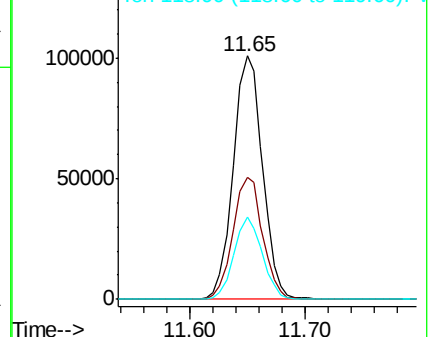
119 33.7 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 1.879 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067478.D

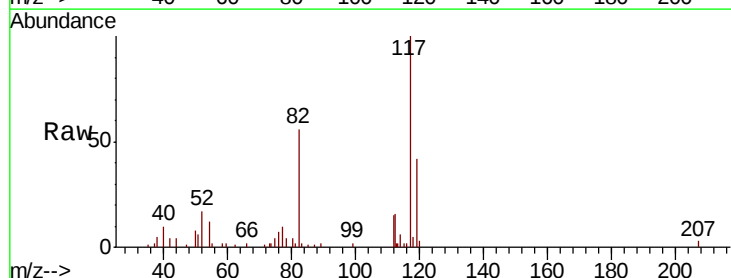
Acq: 30 Oct 2020 17:59

Tgt Ion:112 Resp: 6392

Ion Ratio Lower Upper

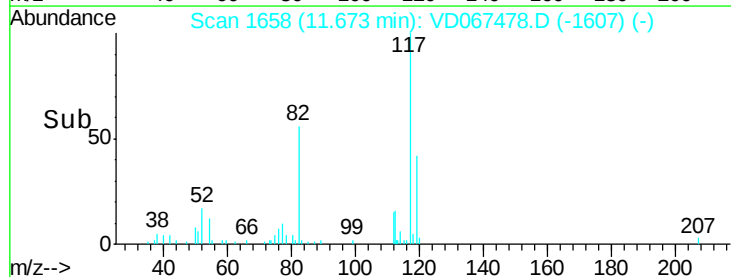
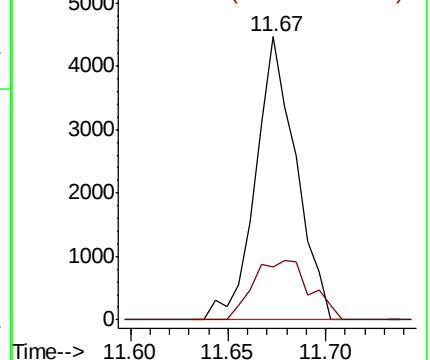
112 100

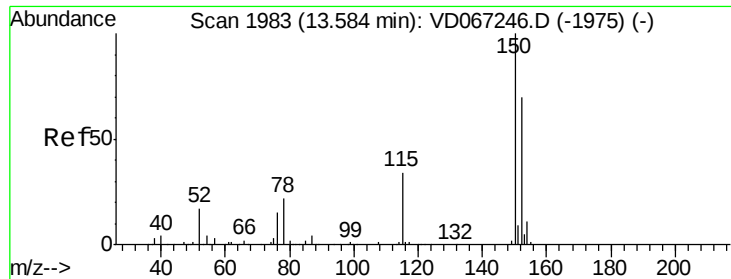
114 18.7 25.0 37.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

JCG-SOIL

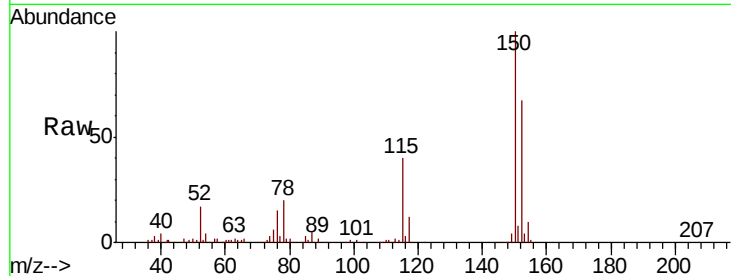
Tot Ion:152 Resp: 93072

Ion Ratio Lower Upper

152 100

115 59.0 29.3 87.9

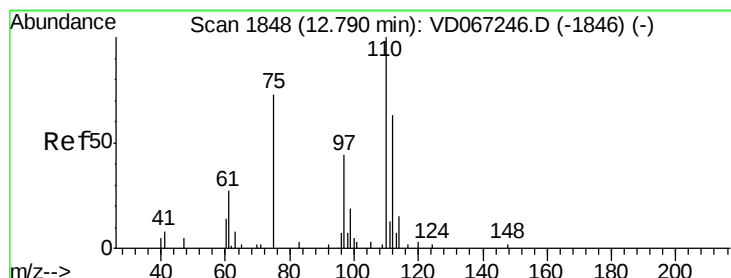
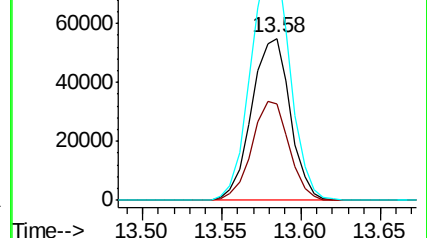
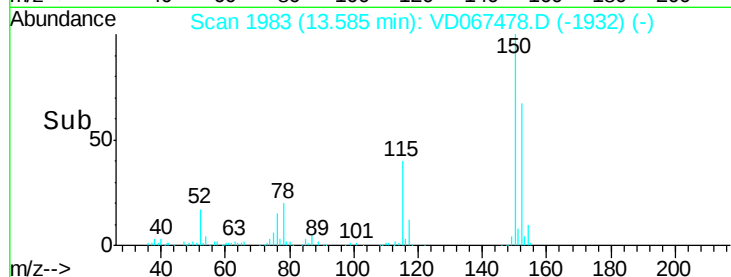
150 150.3 0.0 339.0



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: 56.799 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067478.D

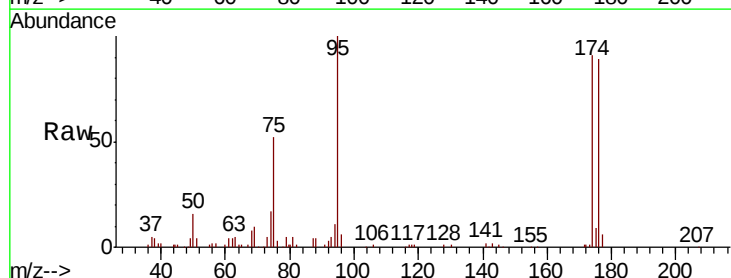
Acq: 30 Oct 2020 17:59

Tgt Ion: 75 Resp: 36640

Ion Ratio Lower Upper

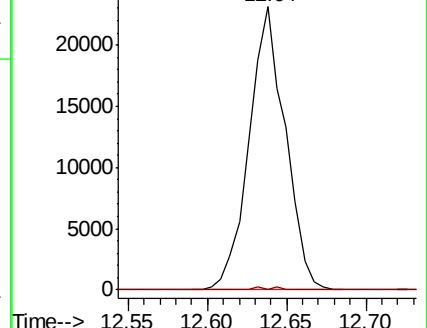
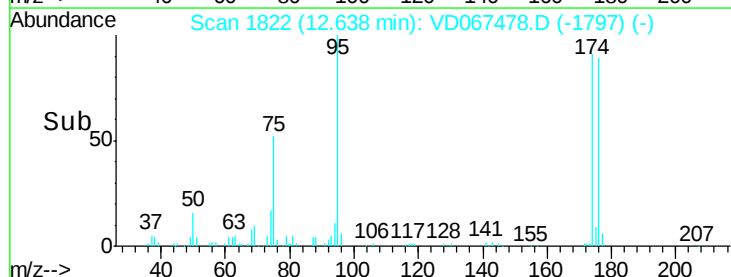
75 100

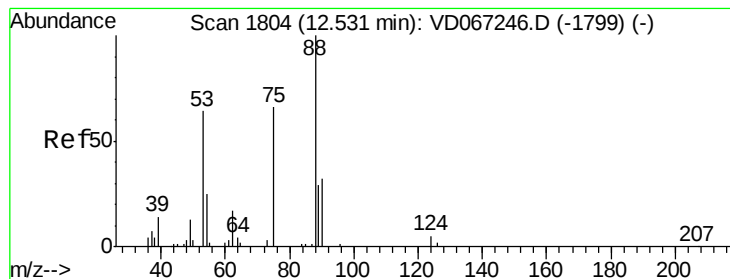
77 0.2 0.0 0.0#



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: 128.804 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067478.D

Acq: 30 Oct 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

JCG-SOIL

Tot Ion: 75 Resp: 36640

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

