

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067487.D
 Acq On : 02 Nov 2020 13:15
 Operator : VA/SY
 Sample : L4539-01RE
 Misc : 6.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JCG-SOIL

Quant Time: Nov 02 15:03:29 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	292842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	469539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	454604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	149829	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.92	113	147417	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	10.34	98	543276	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.64	95	202984	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

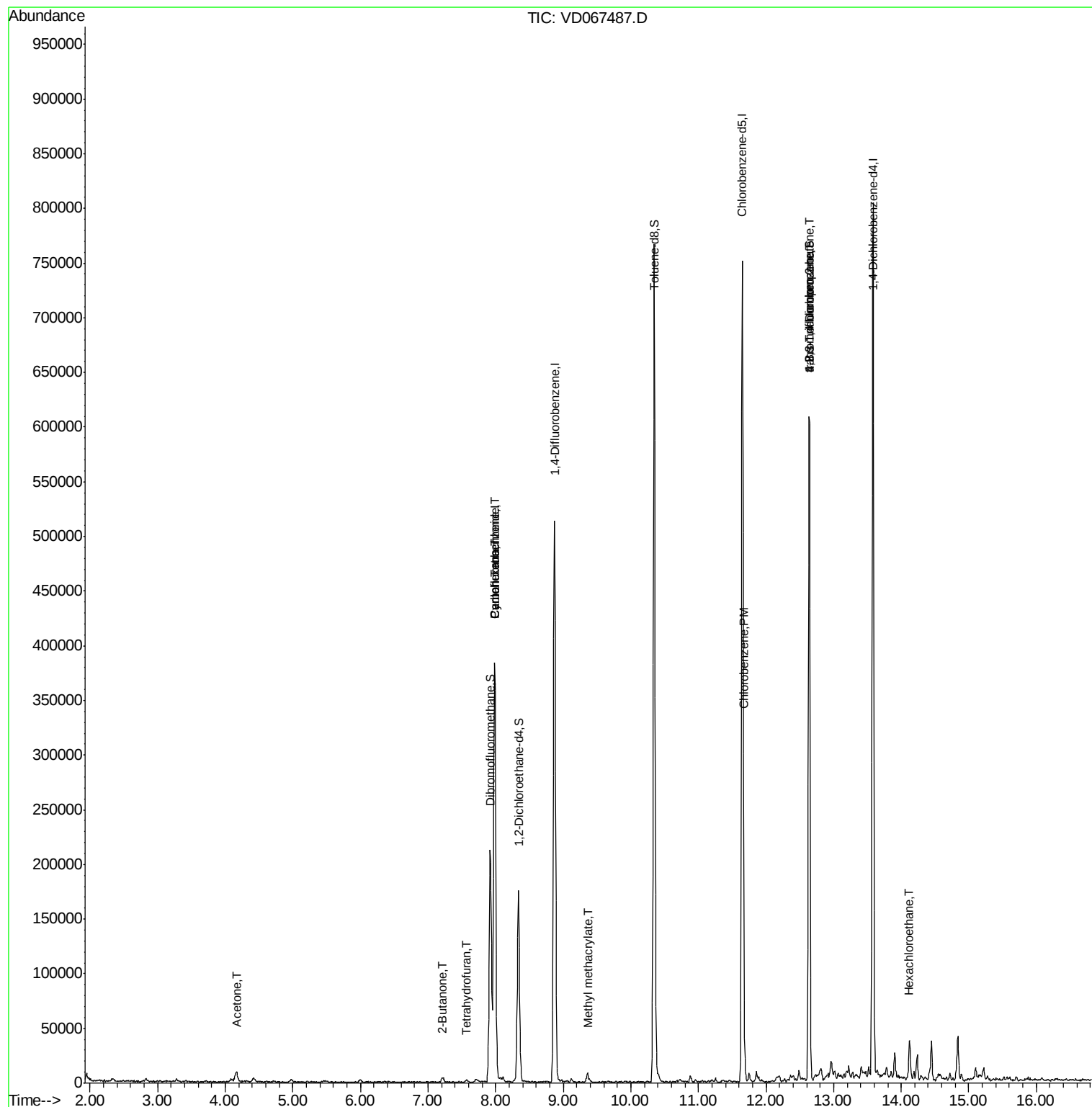
						Qvalue
2) Dichlorodifluoromethane	1.99	85	820	Below Cal		77
5) Bromomethane	2.79	94	592	Below Cal	#	50
11) Tert butyl alcohol	5.22	59	56	Below Cal	#	81
16) Acetone	4.16	43	16953	41.260	ug/l	98
20) Methylene Chloride	4.97	84	1543	Below Cal	#	75
25) 2-Butanone	7.21	43	2748	5.867	ug/l	91
29) Tetrahydrofuran	7.57	42	1137	4.367	ug/l #	83
31) Cyclohexane	7.99	56	6233	1.845	ug/l #	31
38) Carbon Tetrachloride	7.99	117	29500	5.800	ug/l #	16
48) Methyl methacrylate	9.36	41	1933	1.712	ug/l #	35
65) Chlorobenzene	11.67	112	17185	1.971	ug/l #	87
76) 1,2,3-Trichloropropane	12.64	75	103890	65.938	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103890	149.528	ug/l #	10
90) Hexachloroethane	14.13	117	2763	1.154	ug/l #	19

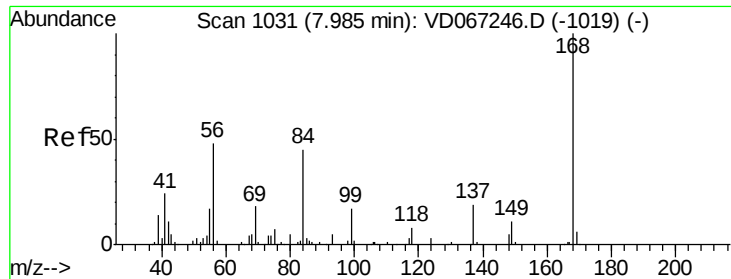
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067487.D

Acq: 02 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

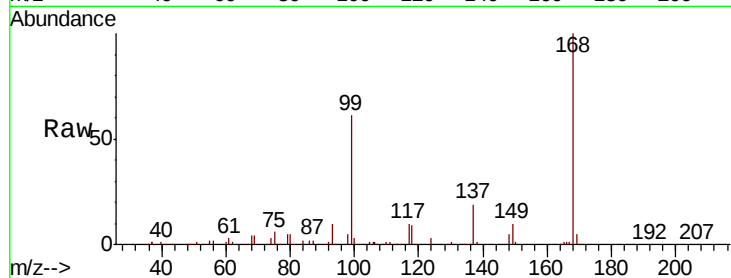
JCG-SOIL

Tot Ion:168 Resp: 292842

Ion Ratio Lower Upper

168 100

99 61.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

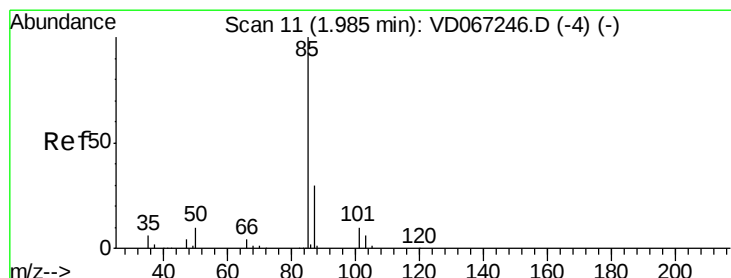
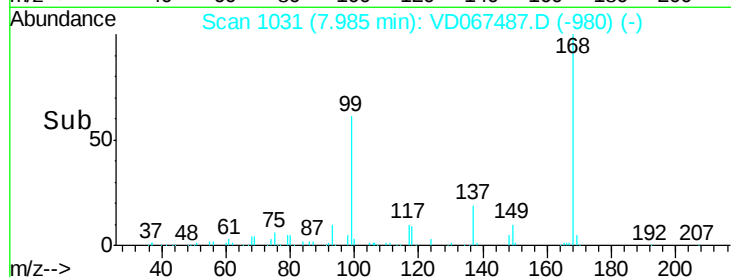
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067487.D

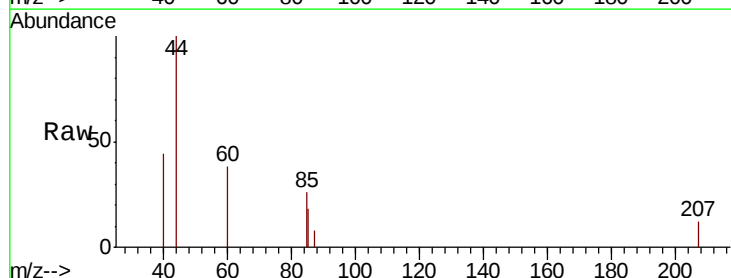
Acq: 02 Nov 2020 13:15

Tgt Ion: 85 Resp: 820

Ion Ratio Lower Upper

85 100

87 17.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

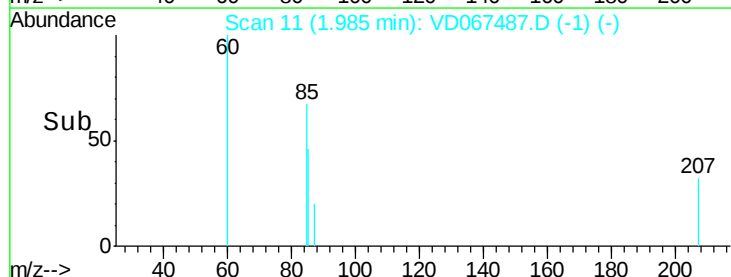
600

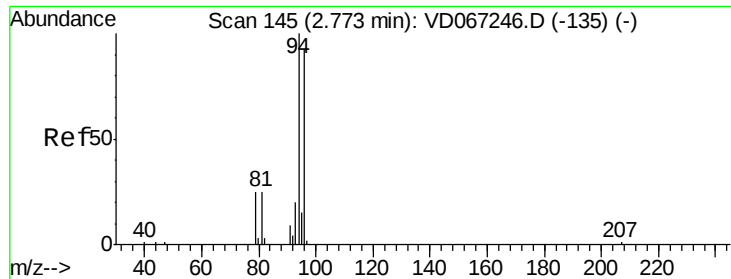
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

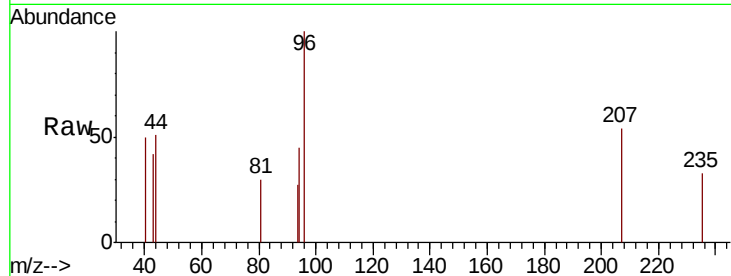
JCG-SOIL

Tot Ion: 94 Resp: 592

Ion Ratio Lower Upper

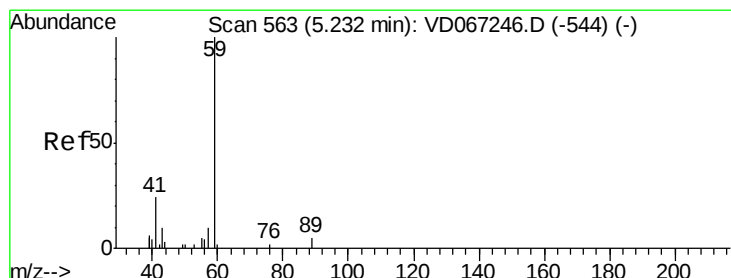
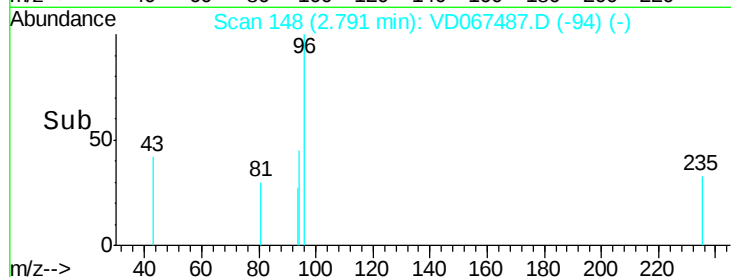
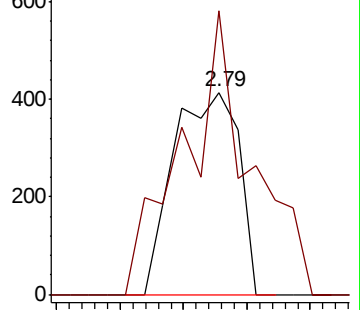
94 100

96 140.3 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067487.D

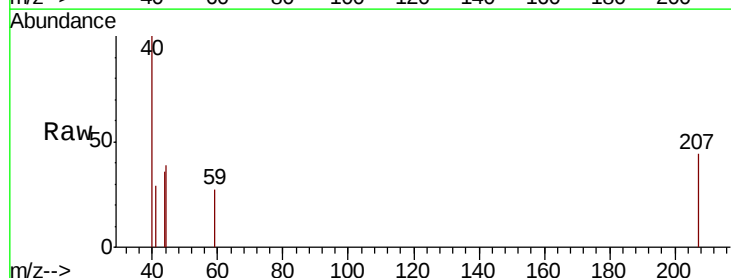
Acq: 02 Nov 2020 13:15

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

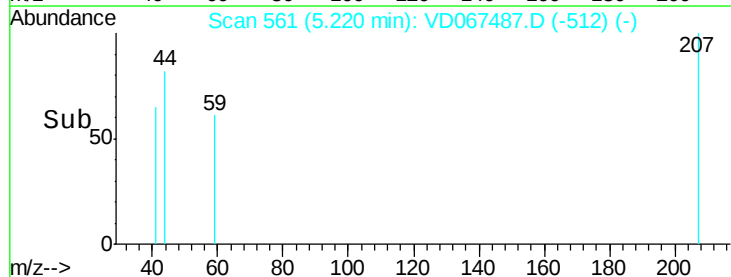
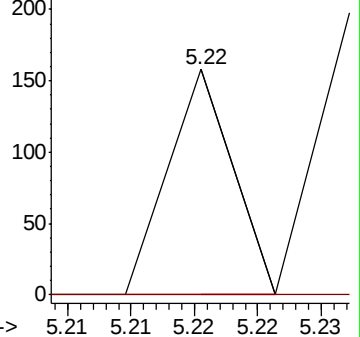
59 100

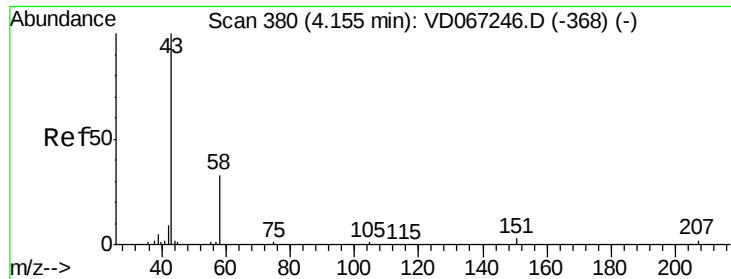
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 41.260 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

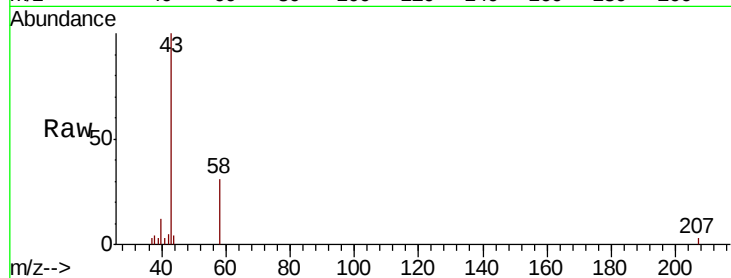
JCG-SOIL

Tot Ion: 43 Resp: 16953

Ion Ratio Lower Upper

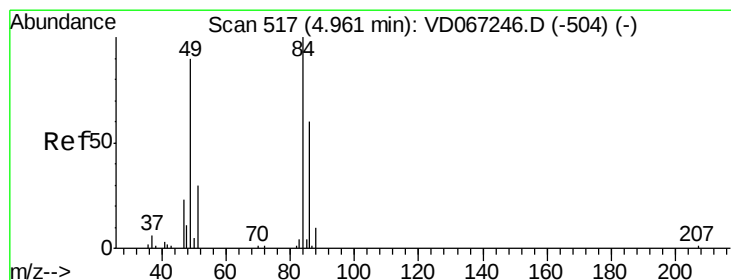
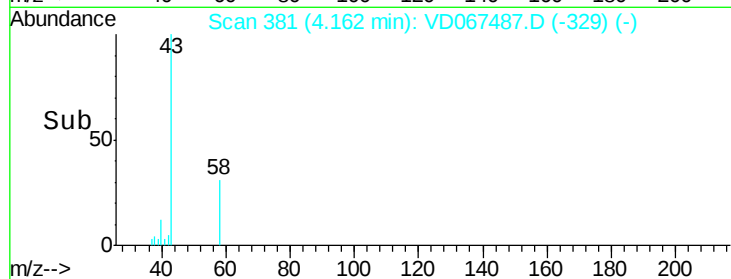
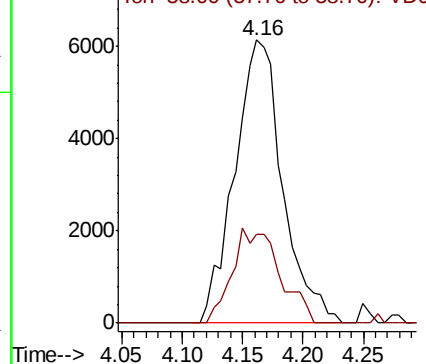
43 100

58 31.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

Tgt Ion: 84 Resp: 1543

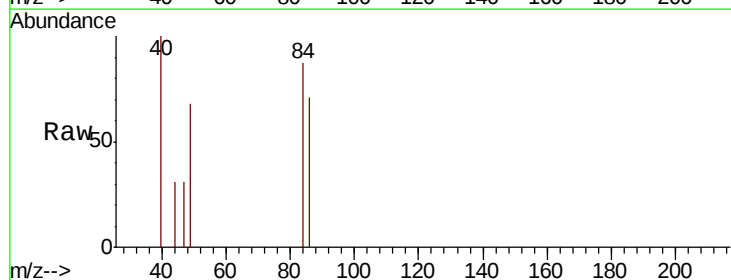
Ion Ratio Lower Upper

84 100

49 77.7 72.2 108.2

51 0.0 23.8 35.8#

86 81.0 48.2 72.4#

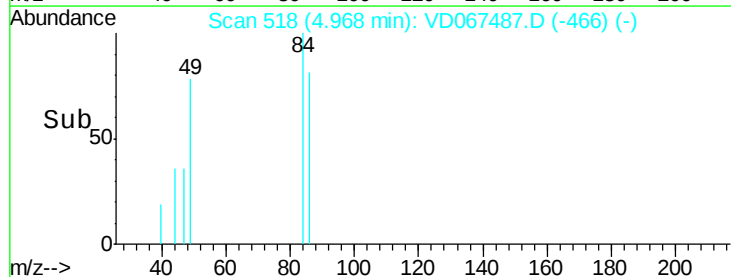
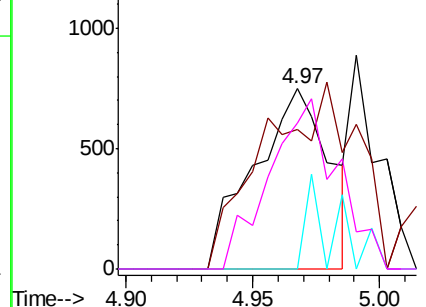


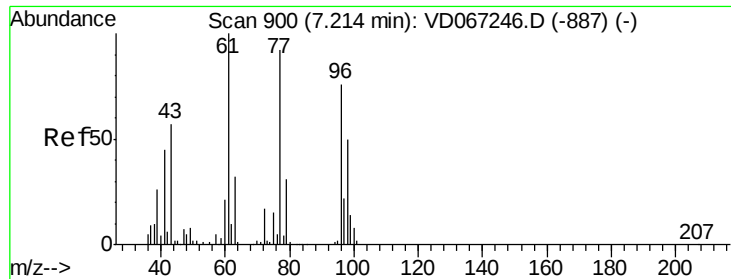
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

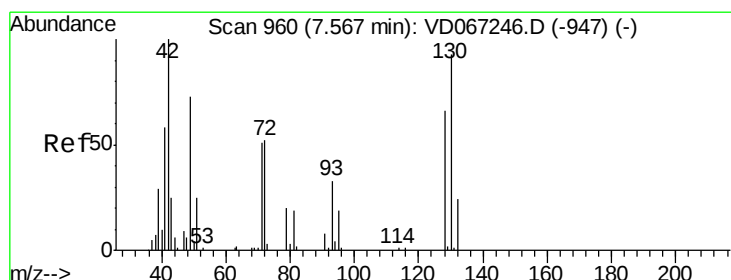
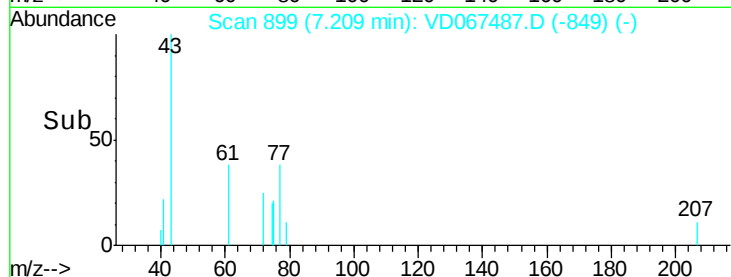
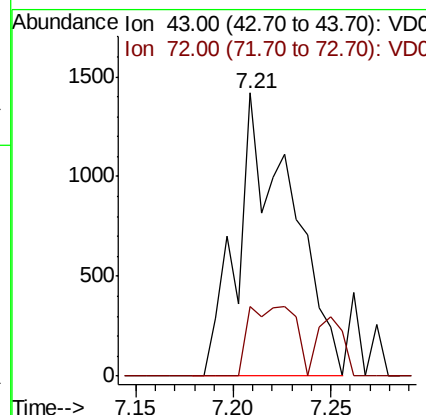
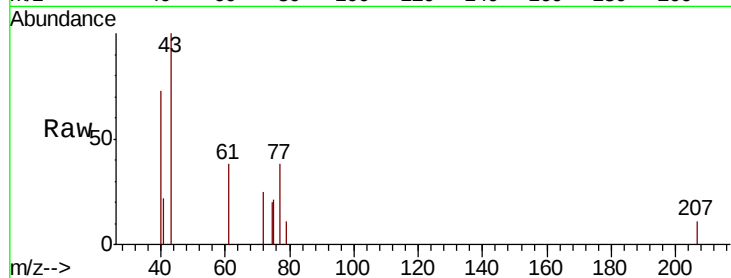




#25
2-Butanone
Concen: 5.867 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

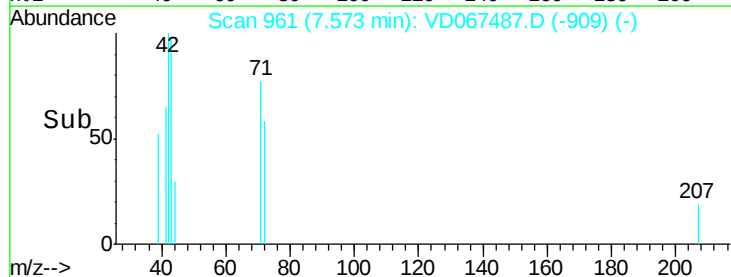
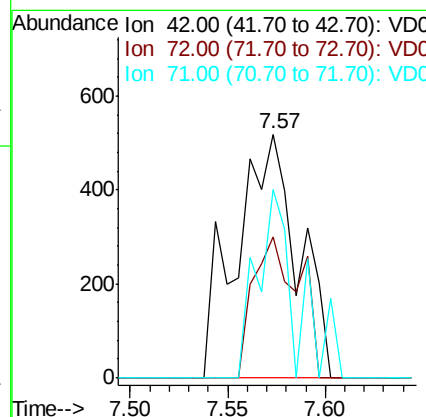
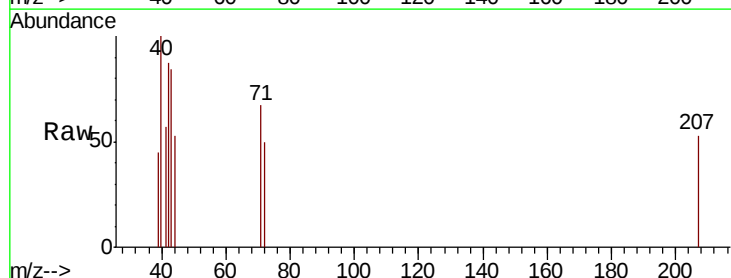
Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

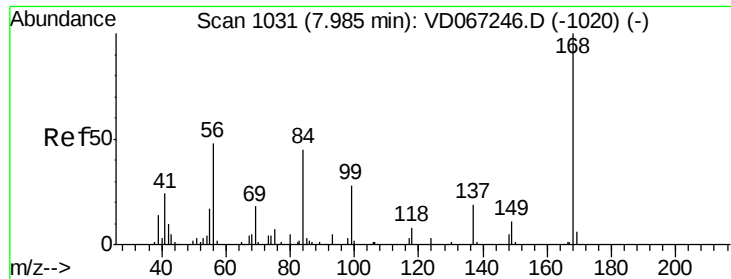
Tot Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
72 24.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 4.367 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion: 42 Resp: 1137
Ion Ratio Lower Upper
42 100
72 43.0 43.2 64.8#
71 35.9 39.4 59.0#

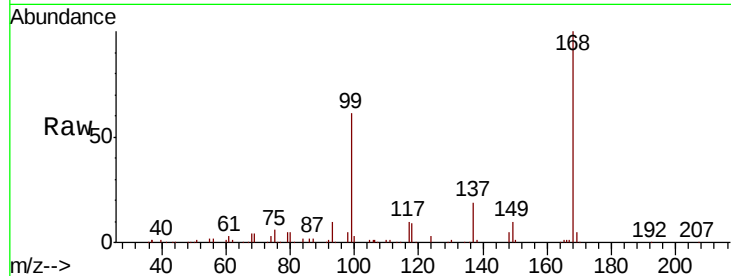




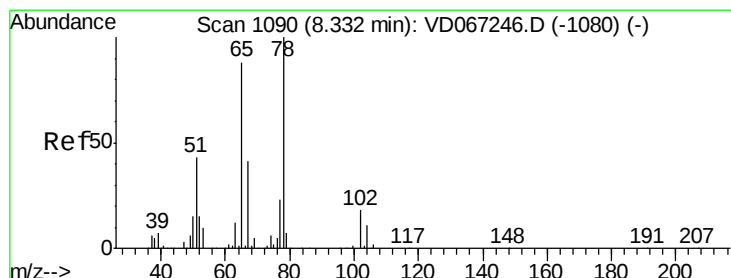
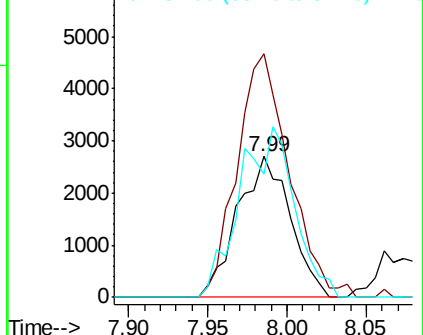
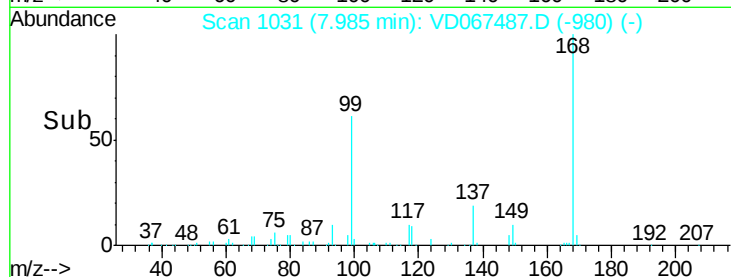
#31
Cyclohexane
Concen: 1.845 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Instrument :
MSVOA_D
ClientSampleID :
JCG-SOIL

Tot Ion: 56 Resp: 6233
Ion Ratio Lower Upper
56 100
69 172.7 29.8 44.6#
84 87.9 76.6 114.8

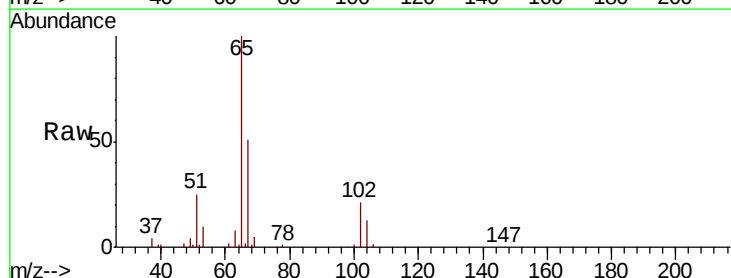


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

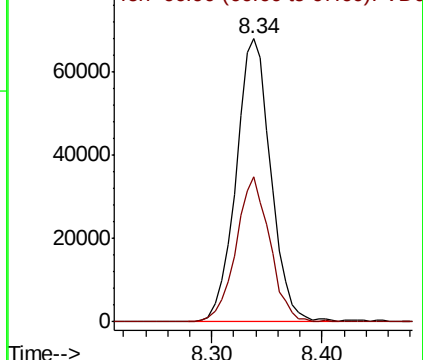
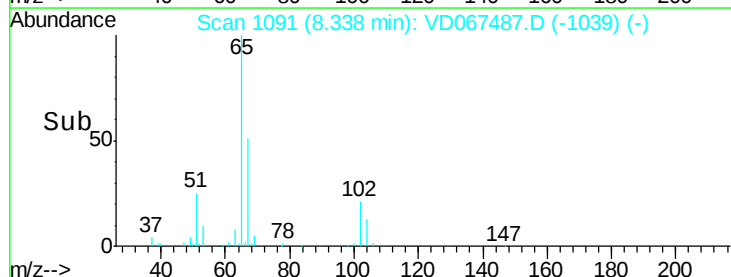


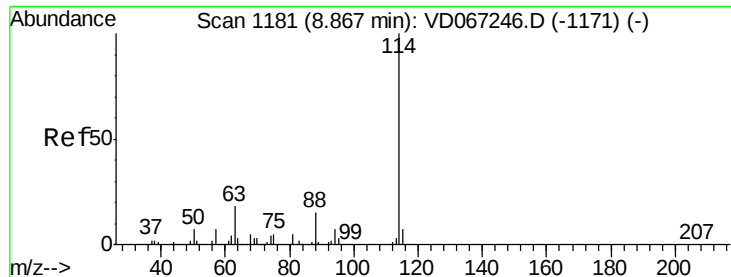
#33
1,2-Dichloroethane-d4
Concen: 51.069 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion: 65 Resp: 149829
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

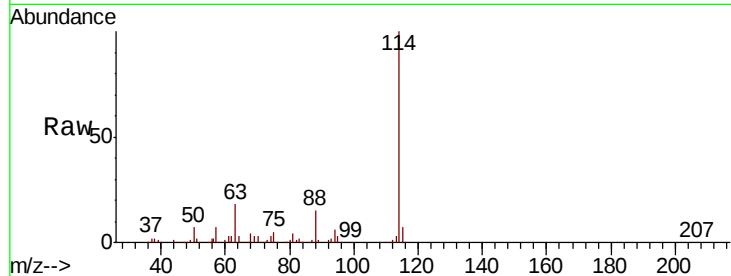




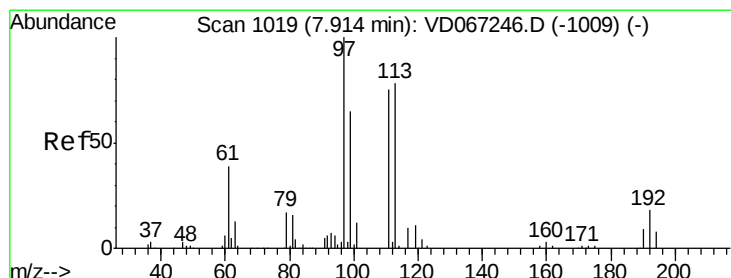
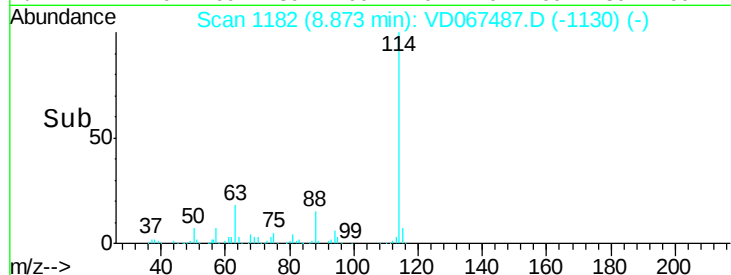
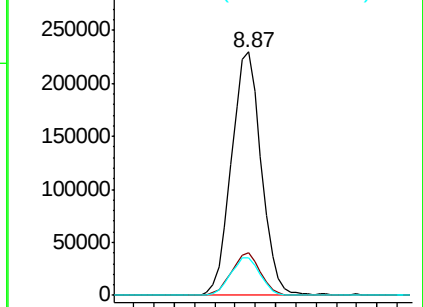
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

Tot Ion:114 Resp: 469539
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.0
88 15.4 0.0 30.6

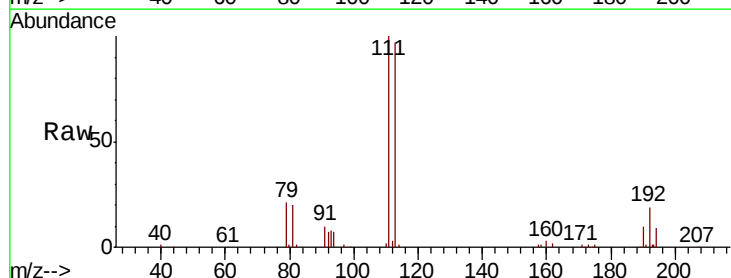


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

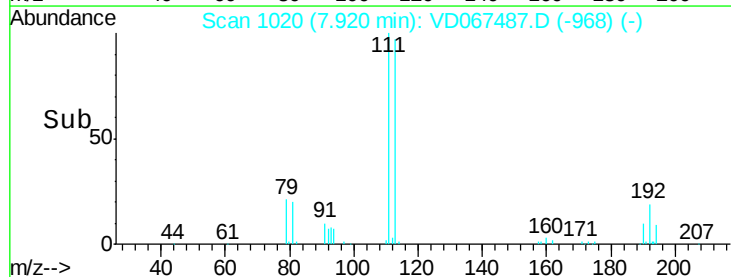
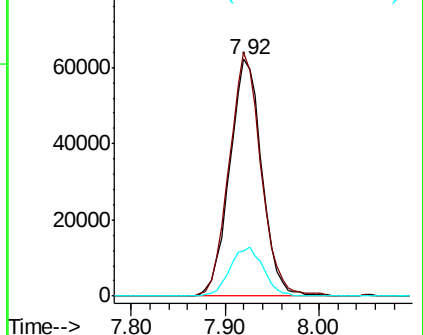


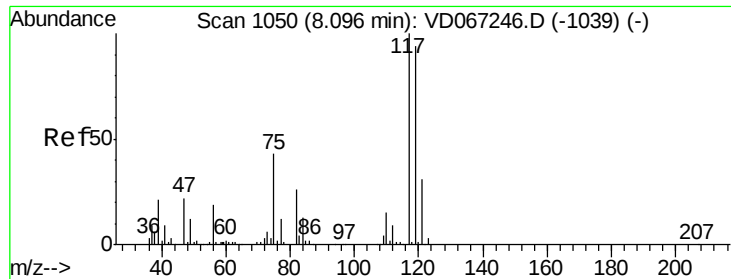
#35
Dibromofluoromethane
Concen: 47.177 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion:113 Resp: 147417
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 21.4 17.0 25.4



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

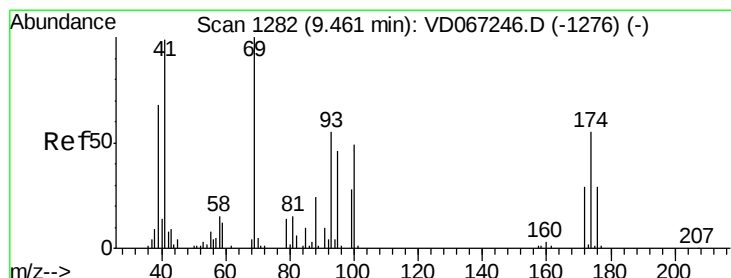
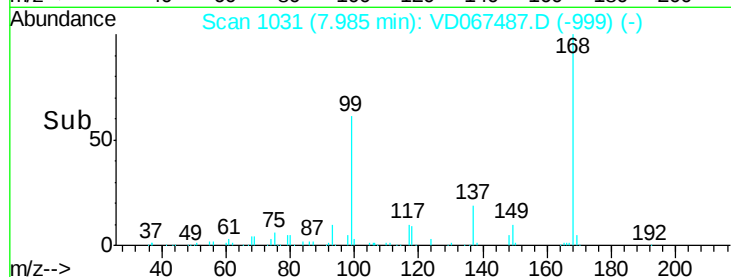
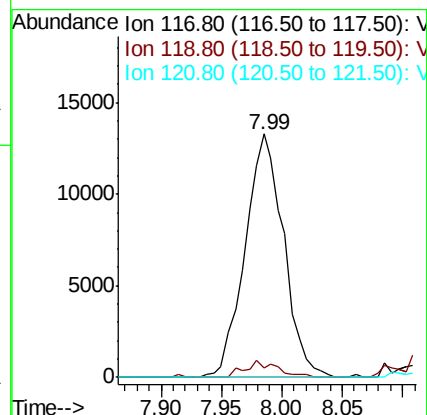
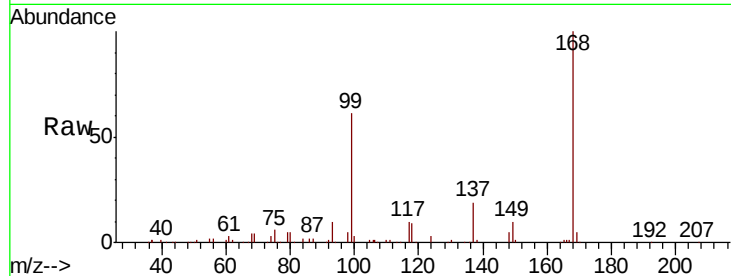




#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

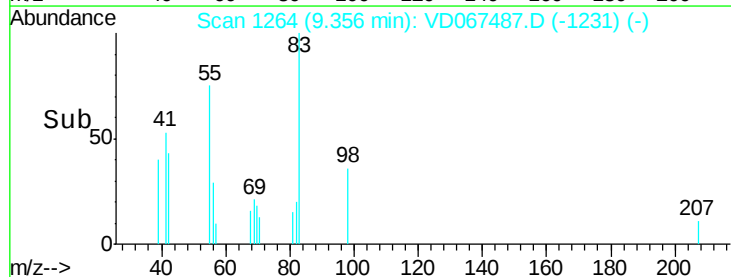
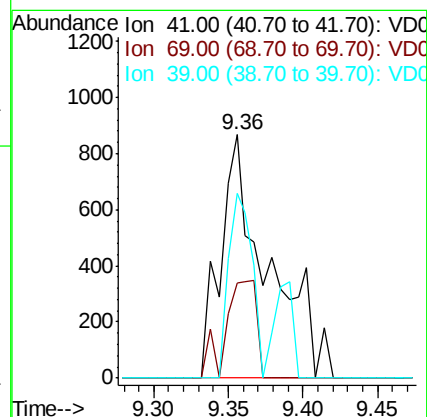
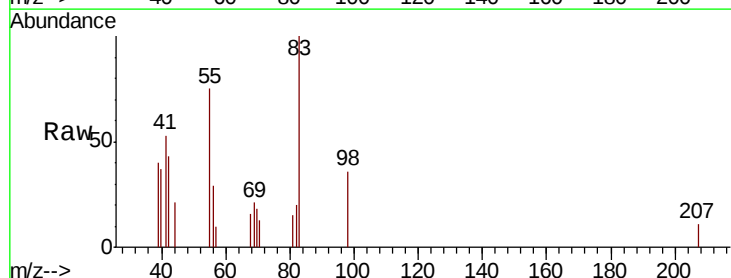
Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

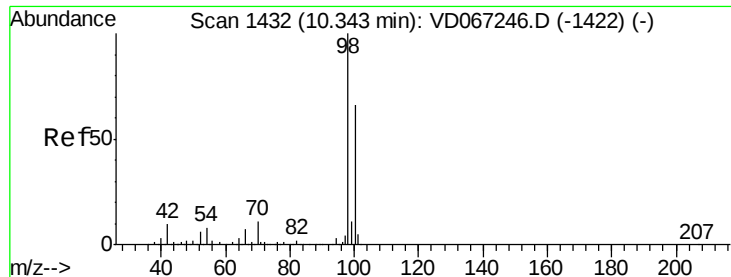
Tot Ion:117 Resp: 29500
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.4#
121 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.712 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.11 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion: 41 Resp: 1933
Ion Ratio Lower Upper
41 100
69 26.1 89.0 133.6#
39 37.9 60.2 90.2#





#50

Toluene-d8

Concen: 48.042 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

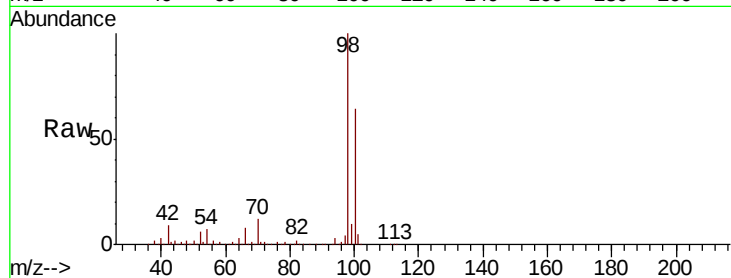
JCG-SOIL

Tot Ion: 98 Resp: 543276

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

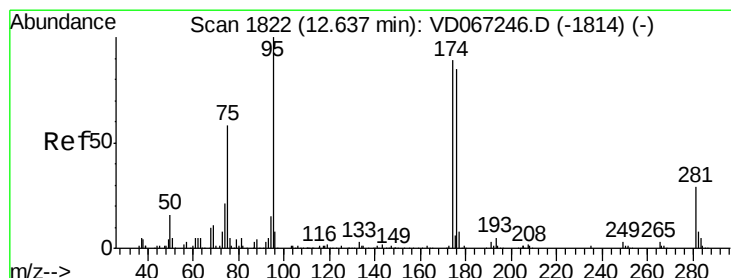
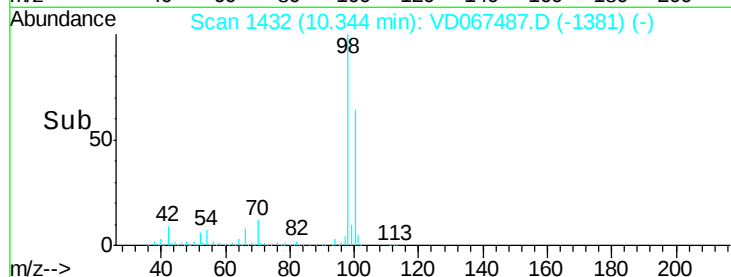
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 51.622 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

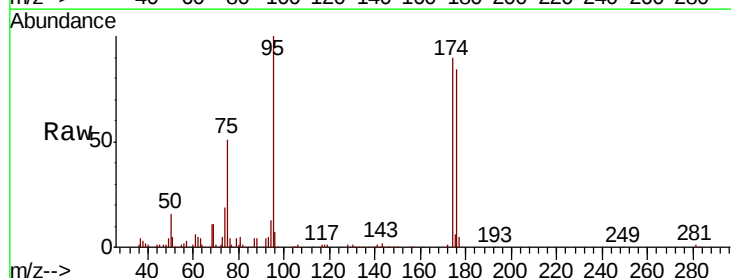
Tgt Ion: 95 Resp: 202984

Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.2

176 84.8 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

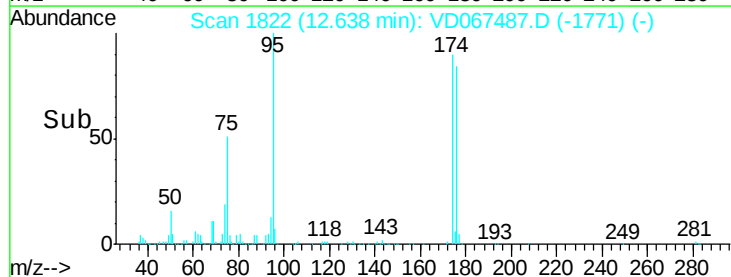
150000

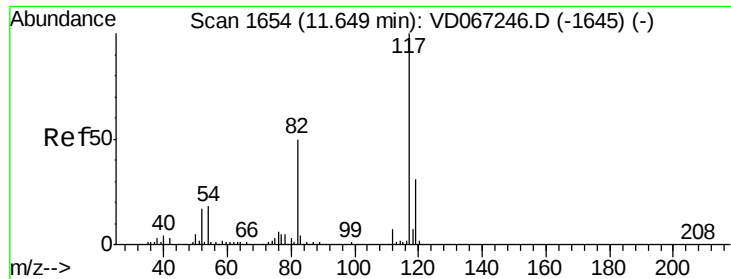
100000

50000

0

Time--> 12.50 12.60 12.70

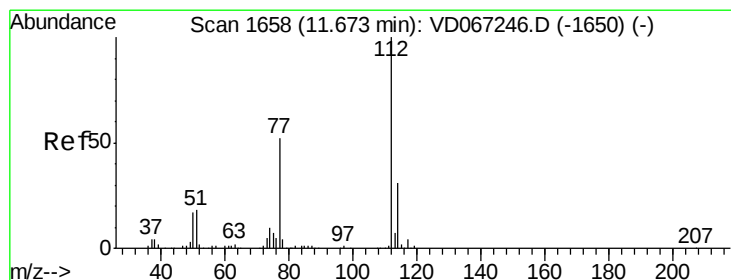
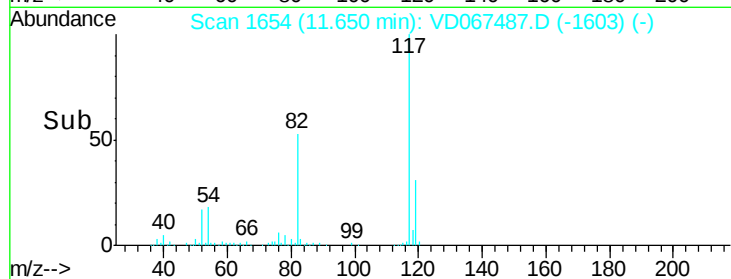
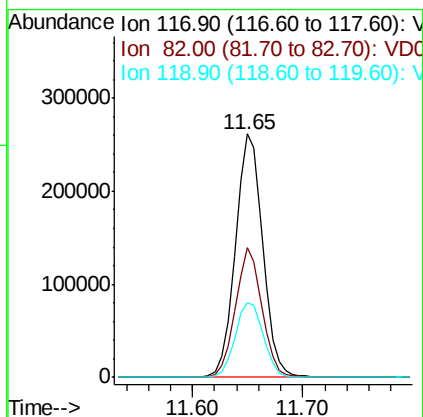
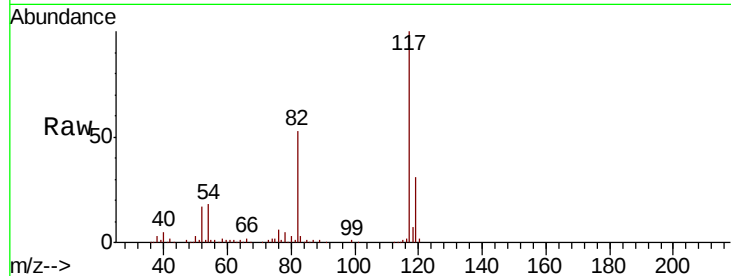




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

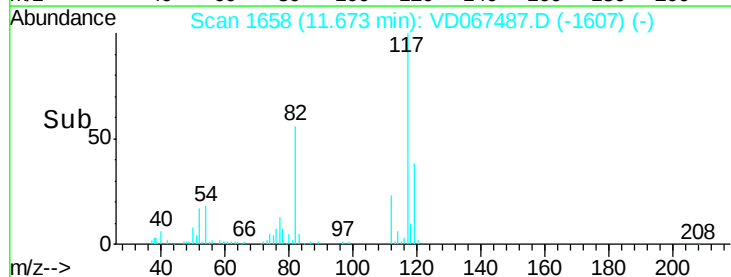
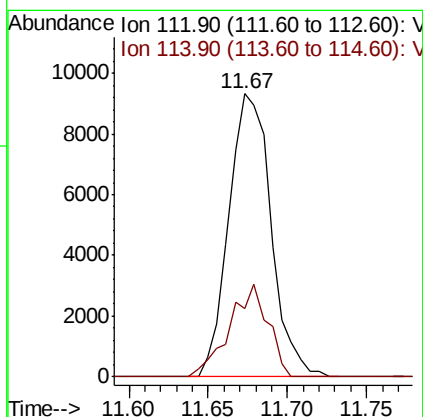
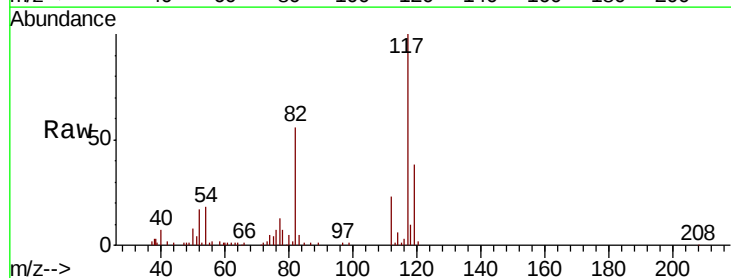
Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

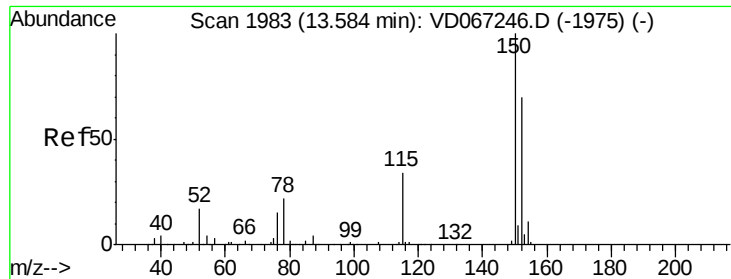
Tot Ion:117 Resp: 454604
Ion Ratio Lower Upper
117 100
82 53.4 39.9 59.9
119 30.7 24.9 37.3



#65
Chlorobenzene
Concen: 1.971 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion:112 Resp: 17185
Ion Ratio Lower Upper
112 100
114 24.3 25.0 37.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067487.D

Acq: 02 Nov 2020 13:15

Instrument :

MSVOA_D

ClientSampled :

JCG-SOIL

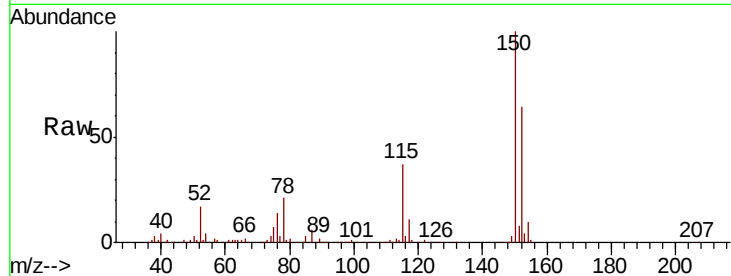
Tot Ion:152 Resp: 227324

Ion Ratio Lower Upper

152 100

115 58.4 29.3 87.9

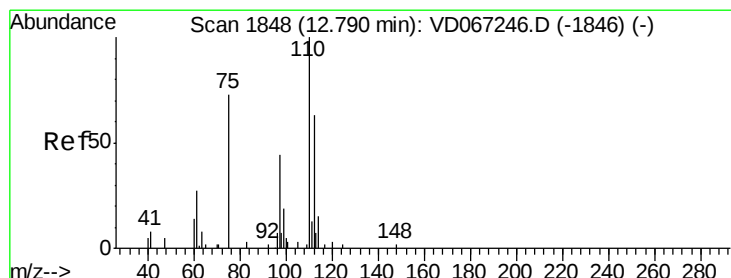
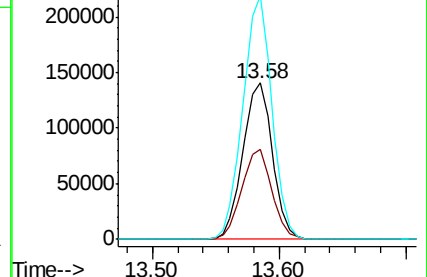
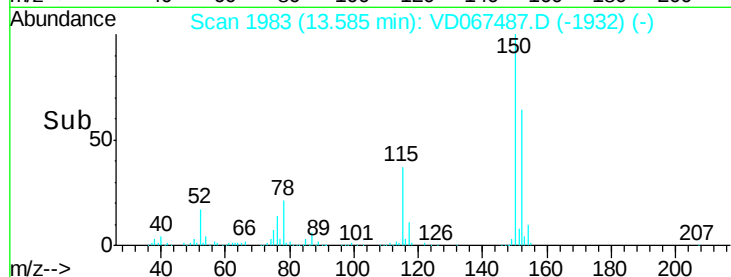
150 152.8 0.0 339.0



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: 65.938 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067487.D

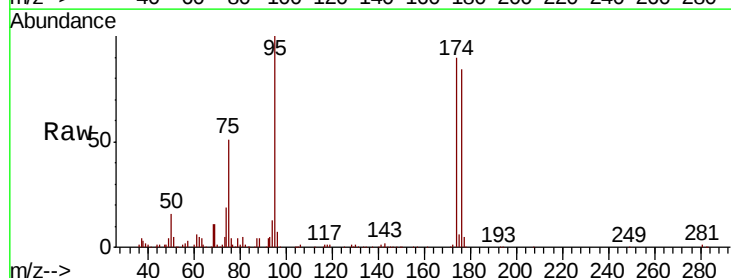
Acq: 02 Nov 2020 13:15

Tgt Ion: 75 Resp: 103890

Ion Ratio Lower Upper

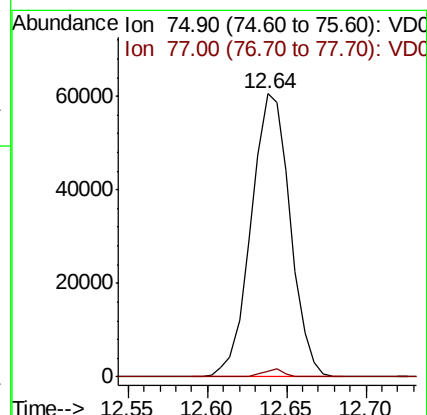
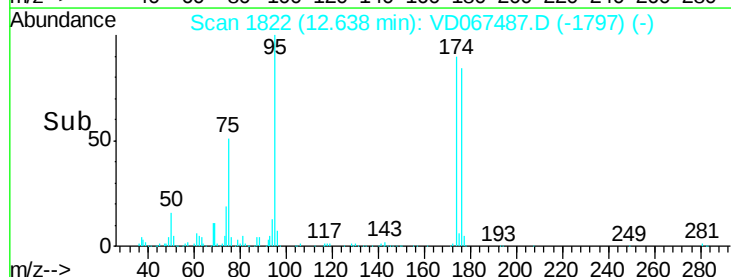
75 100

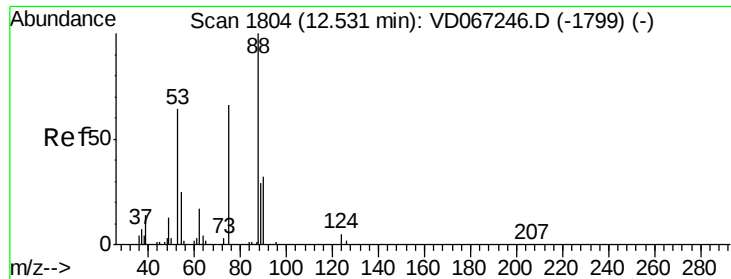
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

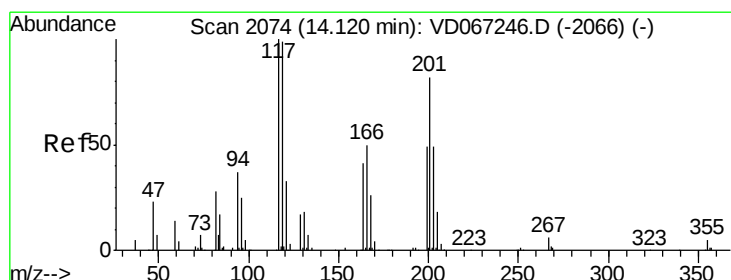
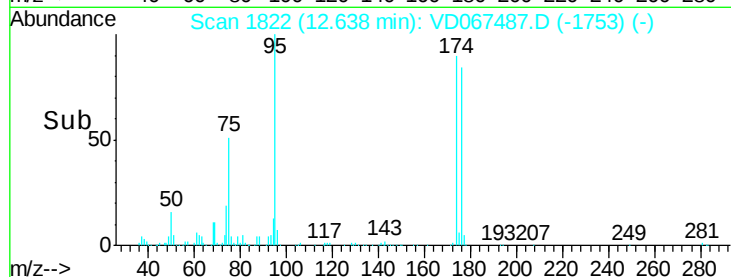
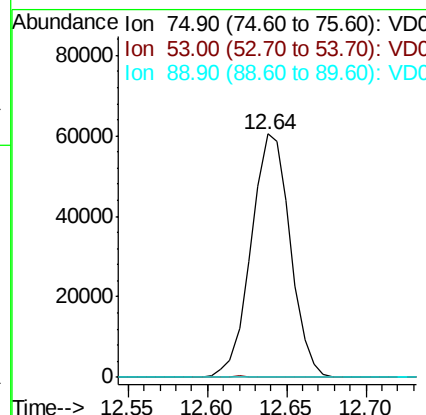
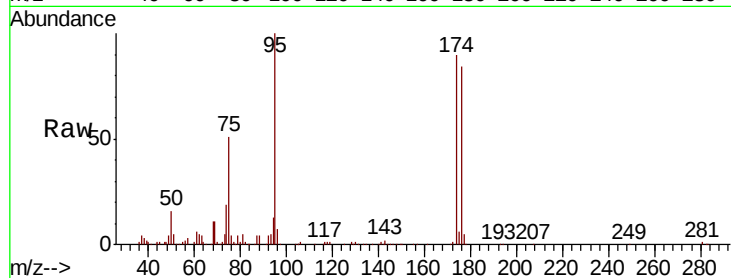




#81
trans-1,4-Dichloro-2-butene
Concen: 149.528 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
JCG-SOIL

Tot Ion: 75 Resp: 103890
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 39.9 59.9#



#90
Hexachloroethane
Concen: 1.154 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD067487.D
Acq: 02 Nov 2020 13:15

Tgt Ion: 117 Resp: 2763
Ion Ratio Lower Upper
117 100
201 9.6 40.8 122.2#

