

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
 Data File : VD065380.D
 Acq On : 02 Mar 2020 15:37
 Operator : VA/SY
 Sample : L1763-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL

Quant Time: Mar 02 15:54:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	137651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	224318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	224882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100853	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	88833	71.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.48%	
35) Dibromofluoromethane	7.91	113	82981	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
50) Toluene-d8	10.34	98	270859	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.64	95	89090	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

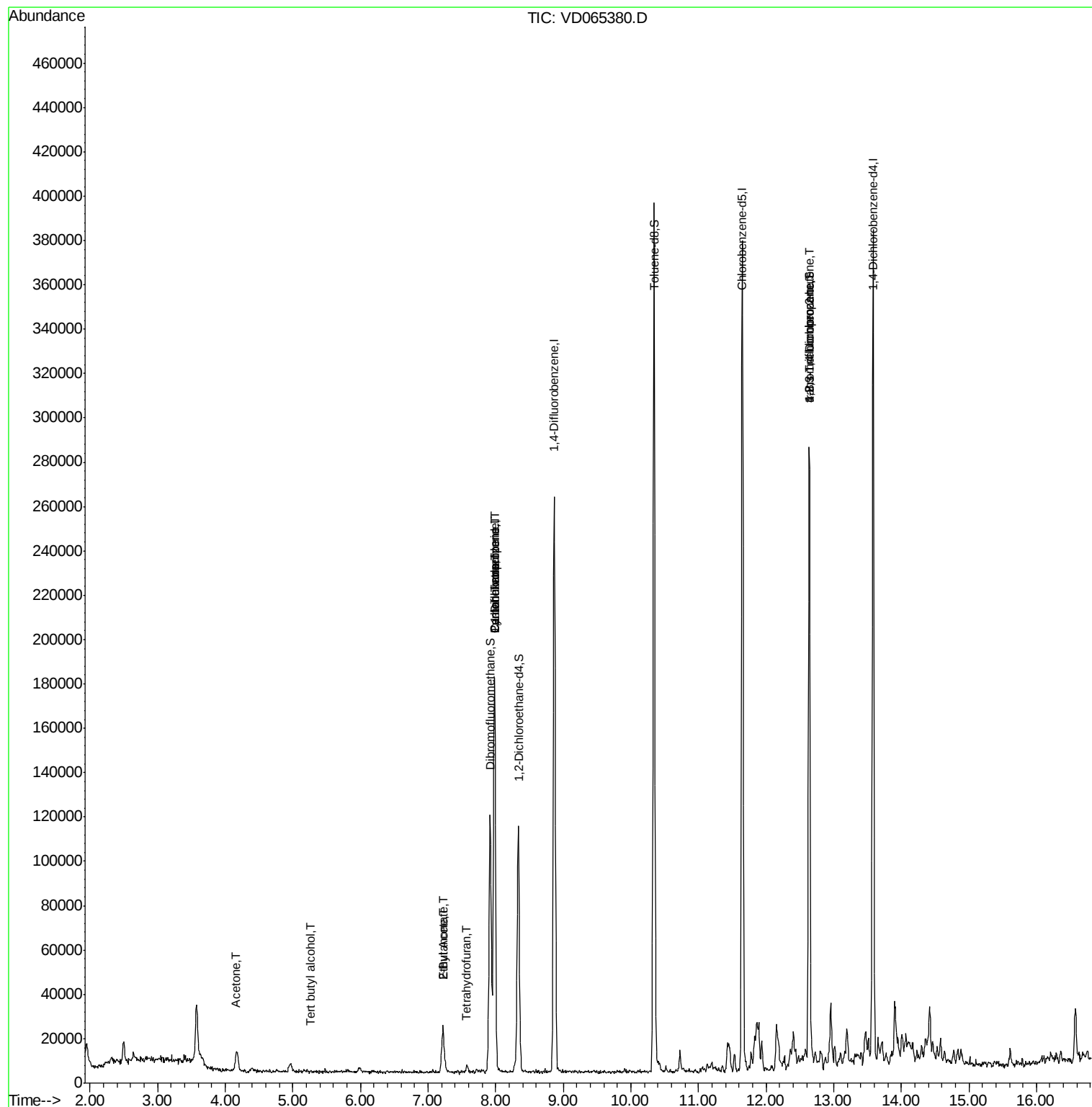
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	132	1.78	ug/l #	72
16) Acetone	4.16	43	17607	58.17	ug/l	94
20) Methylene Chloride	4.95	84	2724	Below Cal	#	73
25) 2-Butanone	7.23	43	20847	54.43	ug/l	96
29) Tetrahydrofuran	7.58	42	2560	11.41	ug/l #	72
31) Cyclohexane	7.98	56	2631	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	10526	4.82	ug/l #	51
37) Ethyl Acetate	7.23	43	20847	22.85	ug/l #	71
38) Carbon Tetrachloride	7.98	117	13453	6.05	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	43987	51.26	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	43987	110.68	ug/l #	11

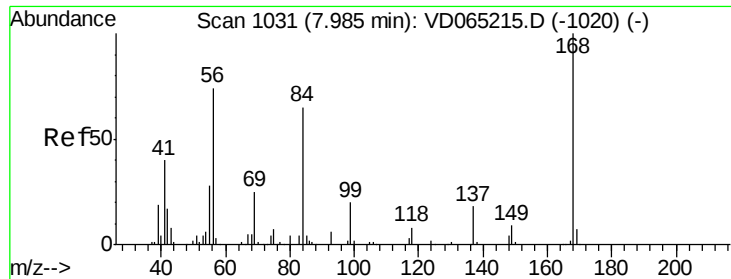
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030220\
Data File : VD065380.D
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Misc : 5.06G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
SOIL

Quant Time: Mar 02 15:54:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

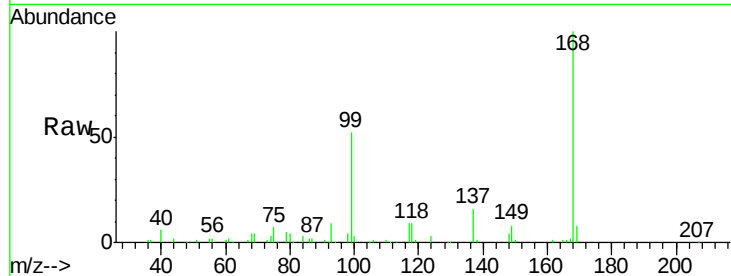
SOIL

Tgt Ion:168 Resp: 137651

Ion Ratio Lower Upper

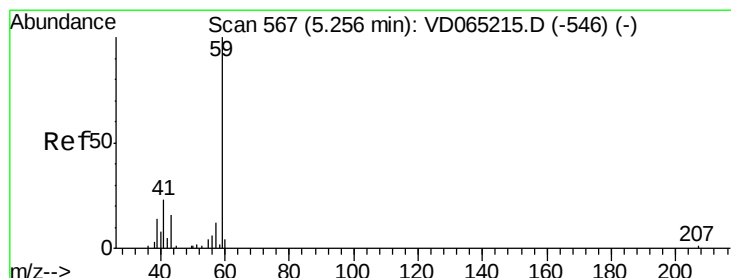
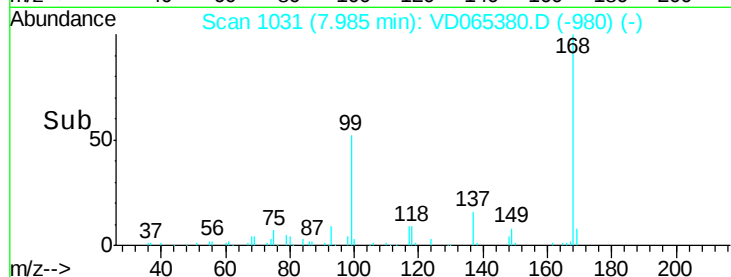
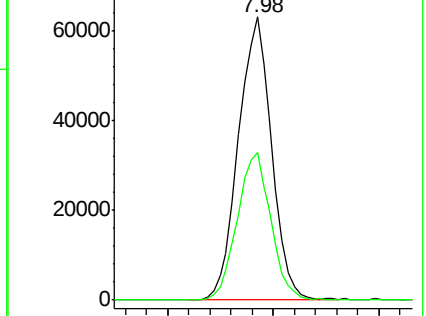
168 100

99 52.1 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.78 ug/l

RT: 5.27 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD065380.D

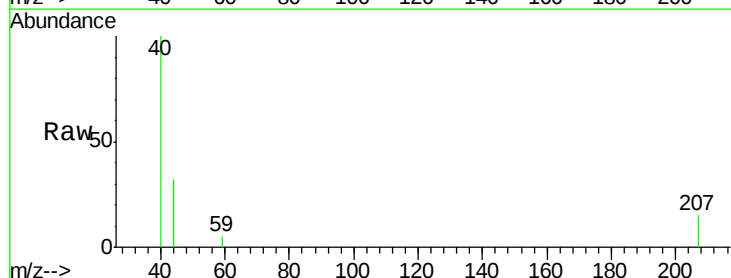
Acq: 02 Mar 2020 15:37

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

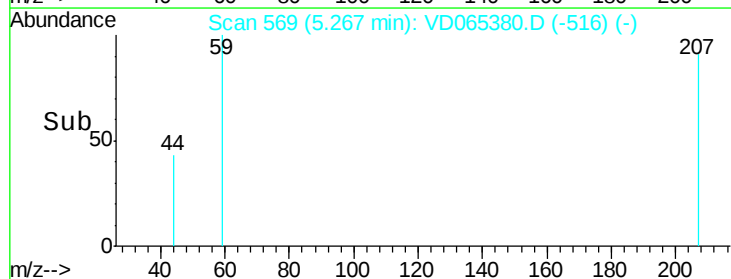
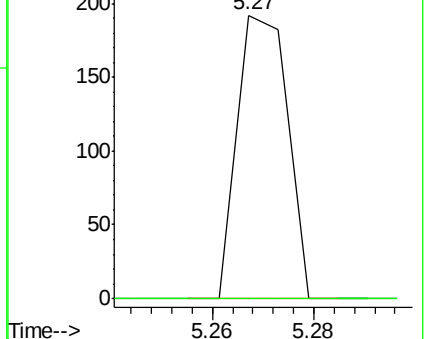
59 100

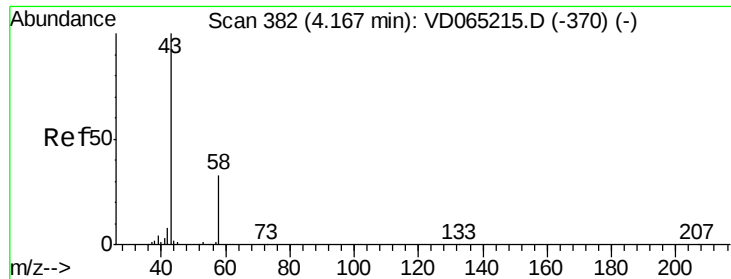
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 58.17 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

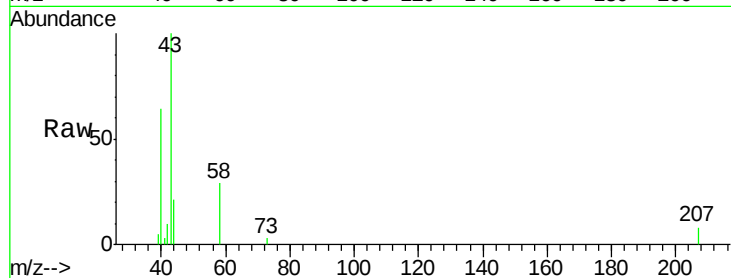
SOIL

Tgt Ion: 43 Resp: 17607

Ion Ratio Lower Upper

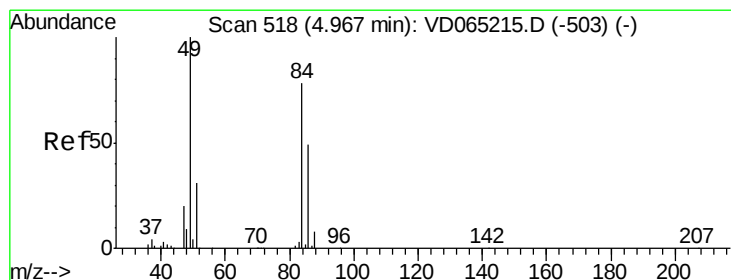
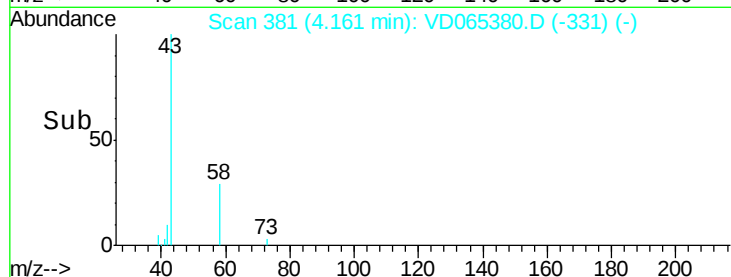
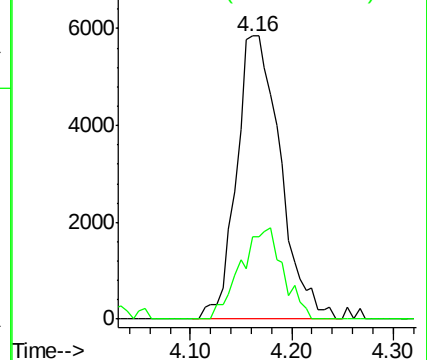
43 100

58 29.3 26.2 39.2



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: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Tgt Ion: 84 Resp: 2724

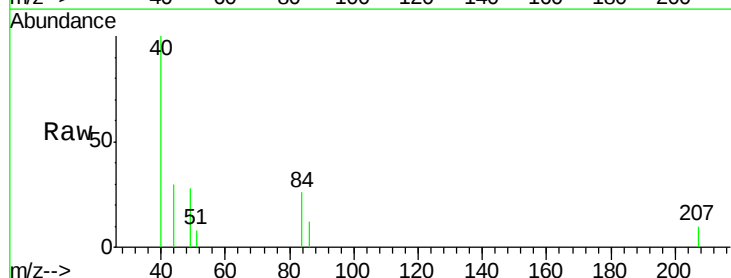
Ion Ratio Lower Upper

84 100

49 90.7 103.1 154.7#

51 30.6 31.7 47.5#

86 45.3 50.9 76.3#

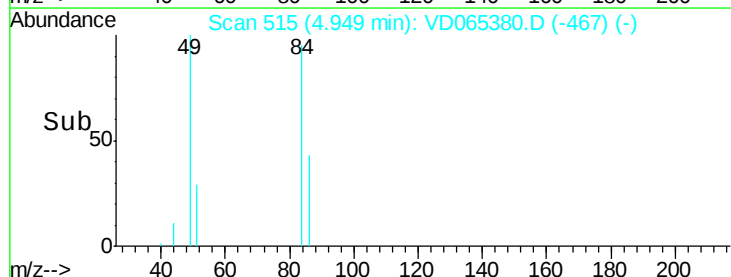
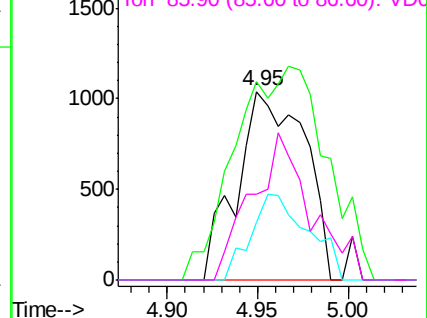


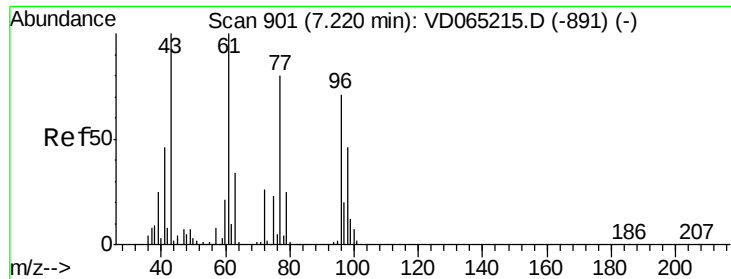
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

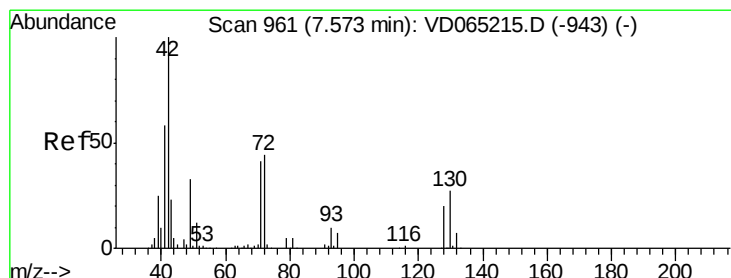
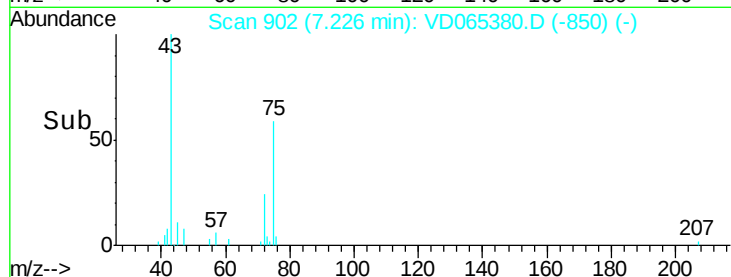
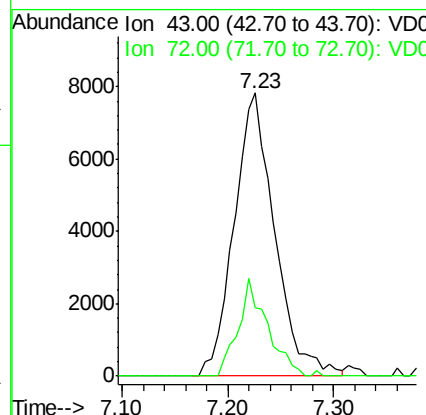
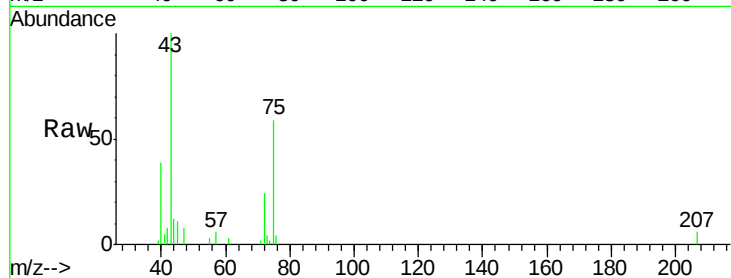




#25
2-Butanone
Concen: 54.43 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065380.D
Acq: 02 Mar 2020 15:37

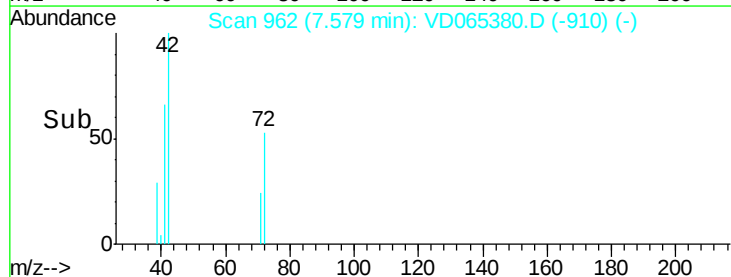
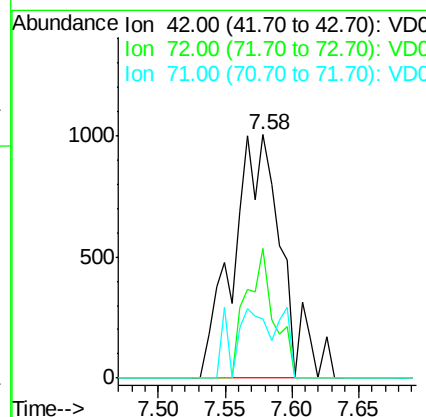
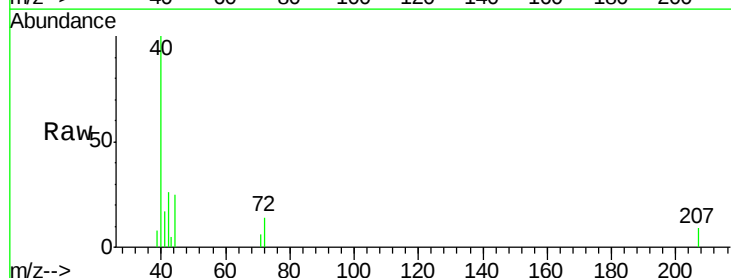
Instrument :
MSVOA_D
ClientSampled :
SOIL

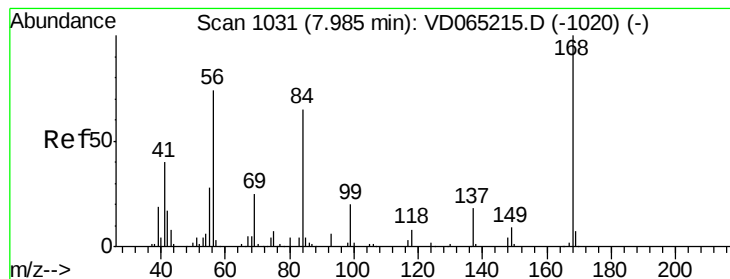
Tgt Ion: 43 Resp: 20847
Ion Ratio Lower Upper
43 100
72 23.9 20.9 31.3



#29
Tetrahydrofuran
Concen: 11.41 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065380.D
Acq: 02 Mar 2020 15:37

Tgt Ion: 42 Resp: 2560
Ion Ratio Lower Upper
42 100
72 30.1 33.7 50.5#
71 15.9 31.4 47.2#





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

SOIL

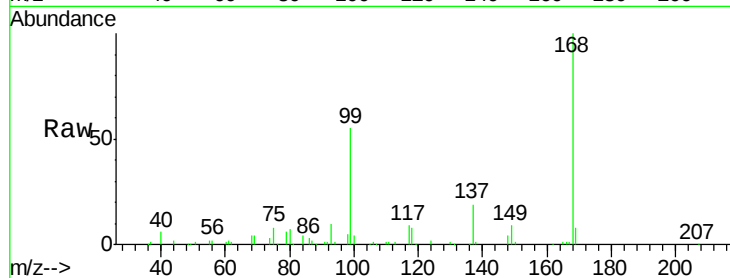
Tgt Ion: 56 Resp: 2631

Ion Ratio Lower Upper

56 100

69 161.5 27.4 41.0#

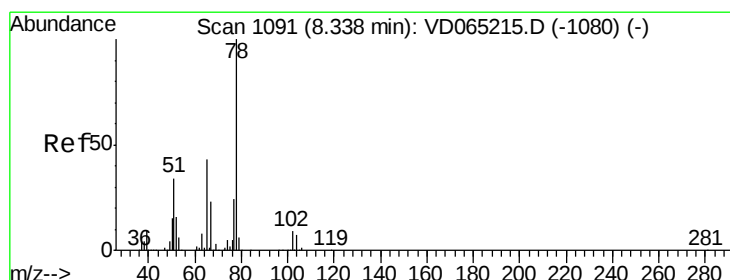
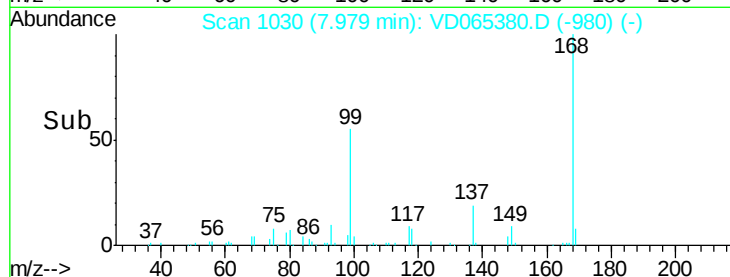
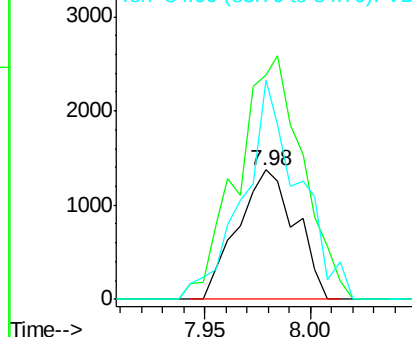
84 157.9 71.1 106.7#



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: 71.74 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065380.D

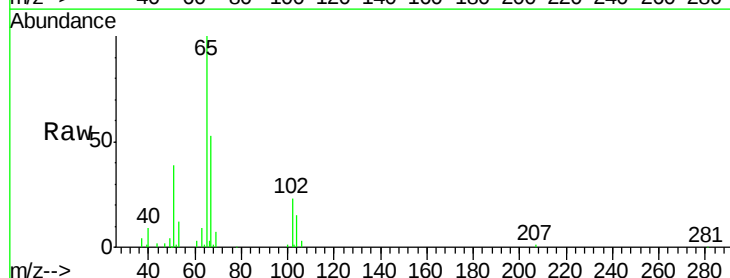
Acq: 02 Mar 2020 15:37

Tgt Ion: 65 Resp: 88833

Ion Ratio Lower Upper

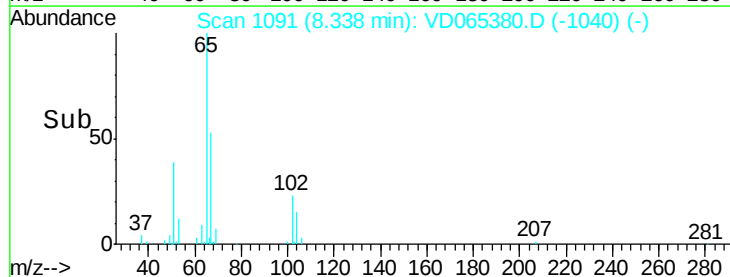
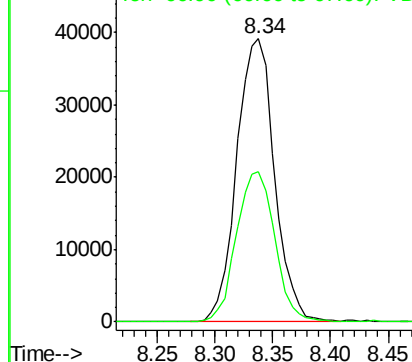
65 100

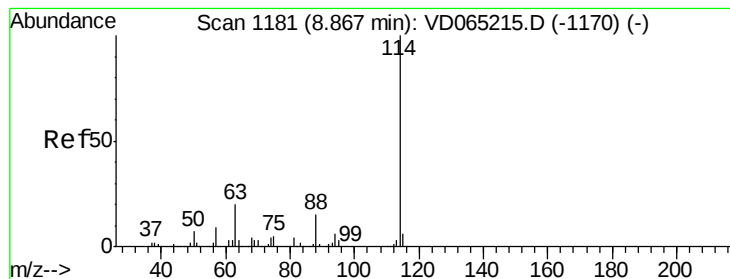
67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

SOIL

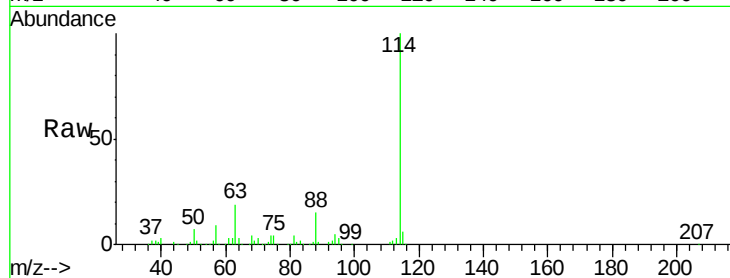
Tgt Ion:114 Resp: 224318

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

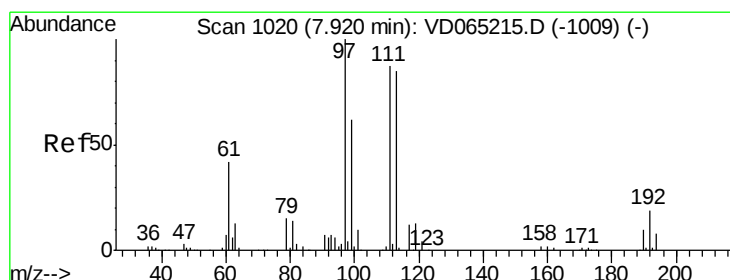
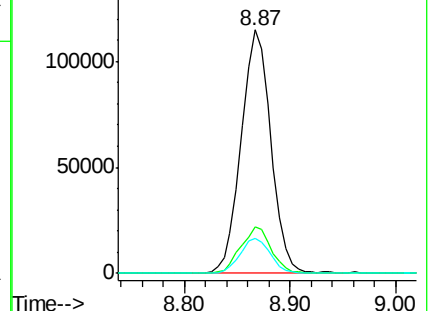
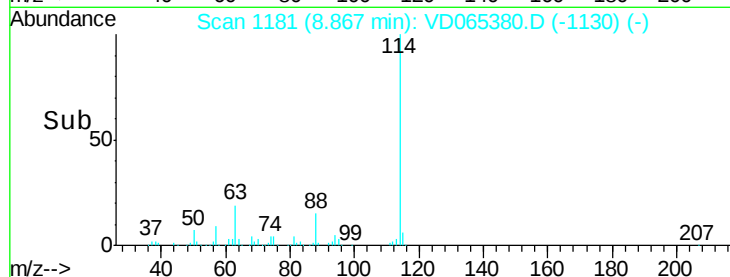
88 14.5 0.0 30.4



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: 60.67 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

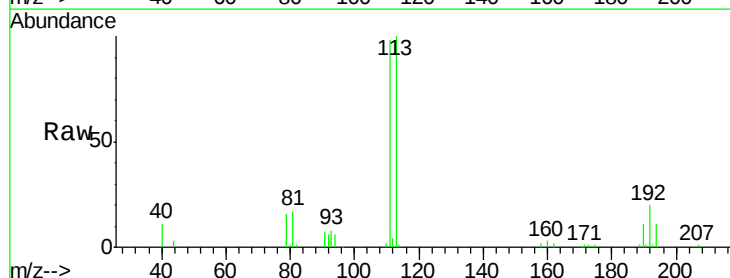
Tgt Ion:113 Resp: 82981

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

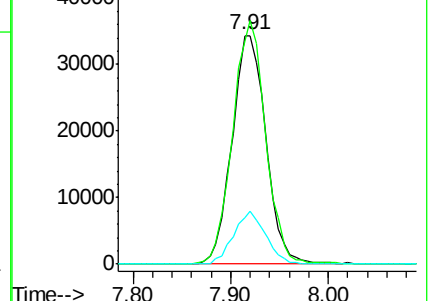
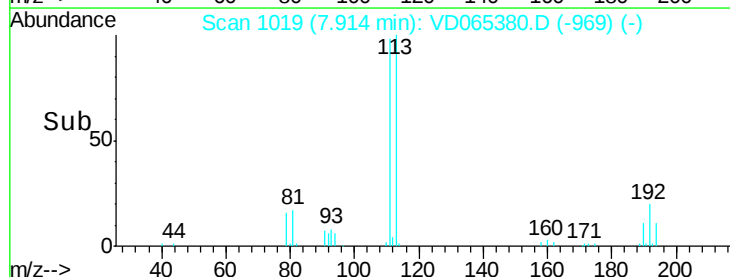
192 21.7 17.3 25.9

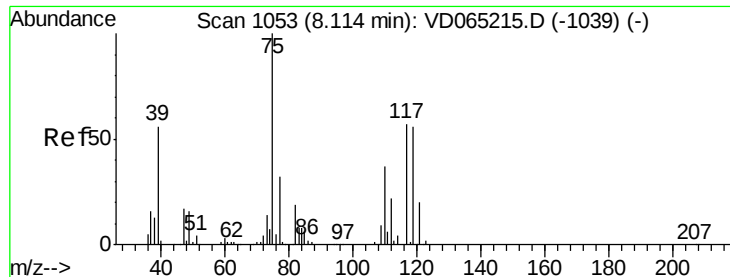


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

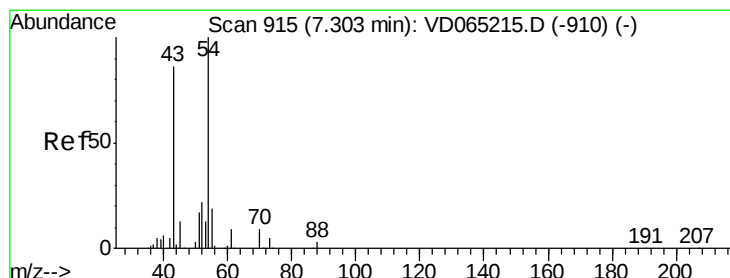
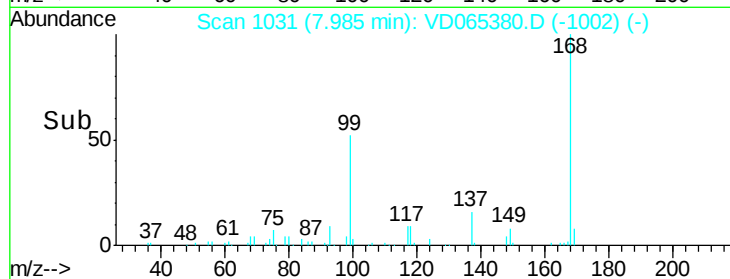
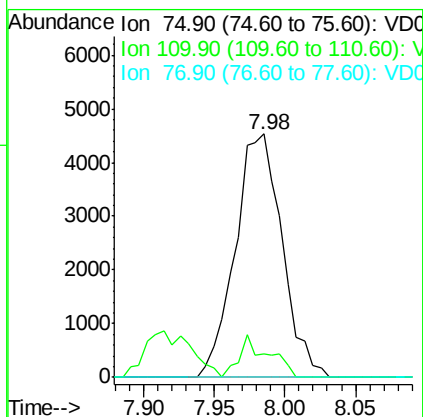
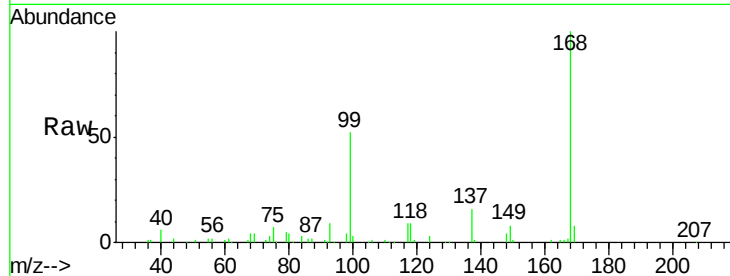




#36
 1,1-Dichloropropene
 Concen: 4.82 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065380.D
 Acq: 02 Mar 2020 15:37

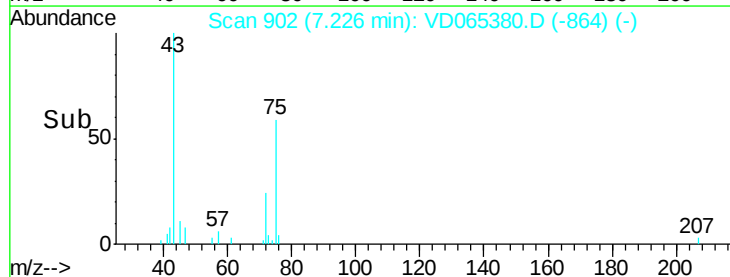
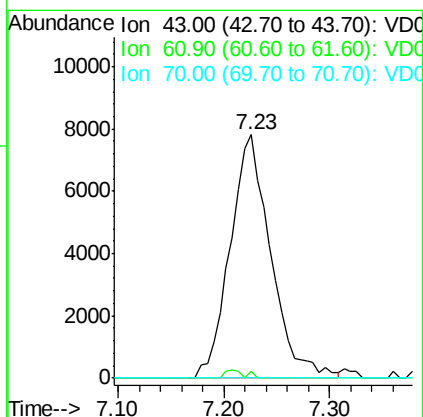
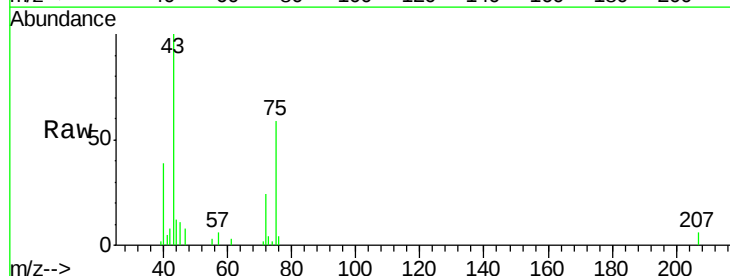
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL

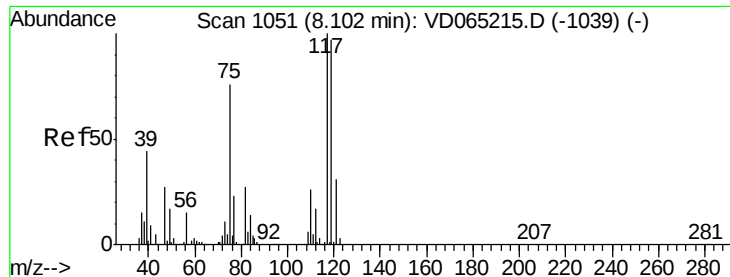
Tgt Ion: 75 Resp: 10526
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.9 53.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 22.85 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065380.D
 Acq: 02 Mar 2020 15:37

Tgt Ion: 43 Resp: 20847
 Ion Ratio Lower Upper
 43 100
 61 1.6 11.2 16.8#
 70 0.0 8.2 12.2#

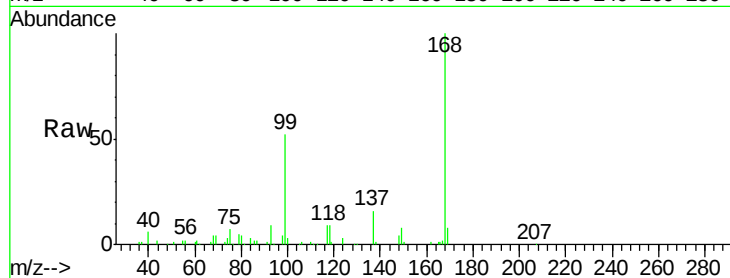




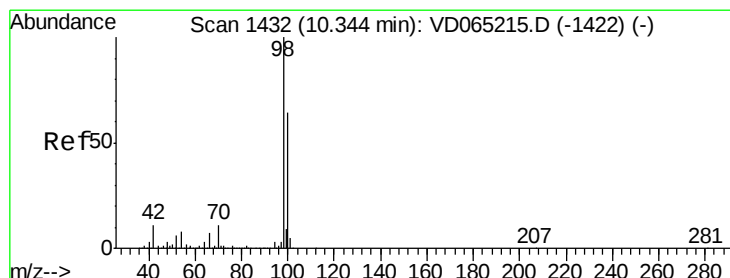
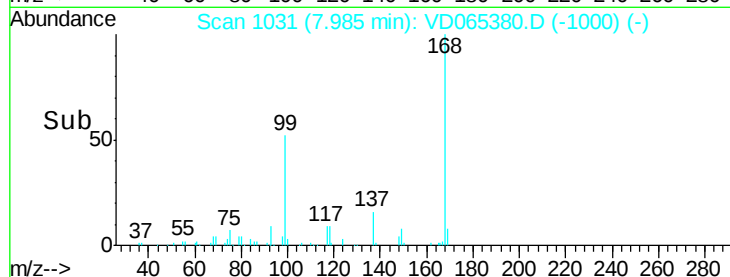
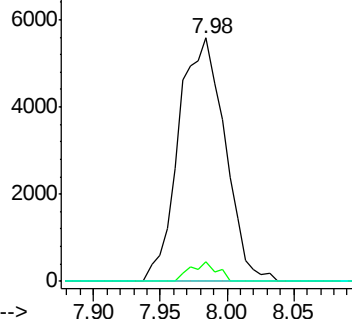
#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065380.D
Acq: 02 Mar 2020 15:37

Instrument :
MSVOA_D
ClientSampleId :
SOIL

Tgt Ion:117 Resp: 13453
Ion Ratio Lower Upper
117 100
119 8.2 77.6 116.4#
121 0.0 24.8 37.2#

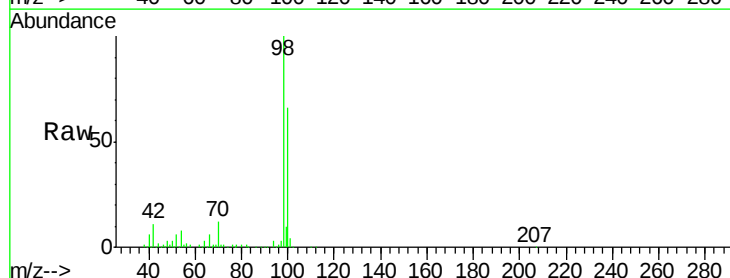


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

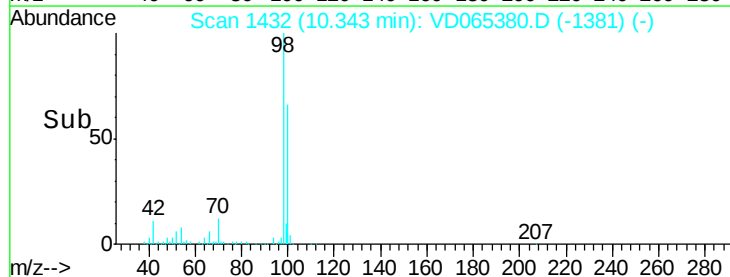
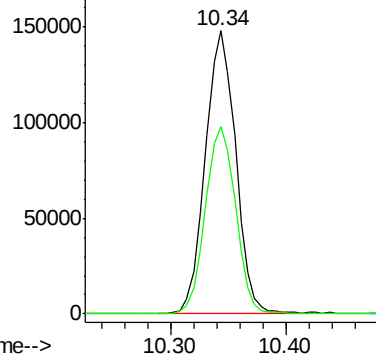


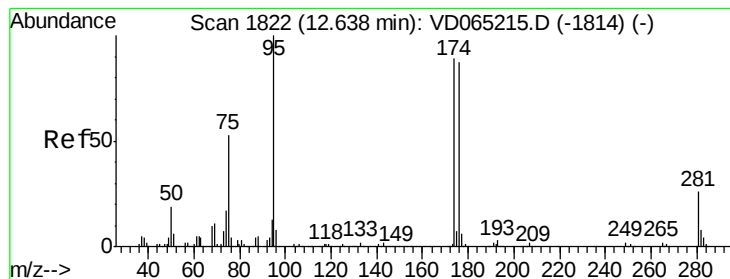
#50
Toluene-d8
Concen: 51.80 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065380.D
Acq: 02 Mar 2020 15:37

Tgt Ion: 98 Resp: 270859
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 53.78 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampled :

SOIL

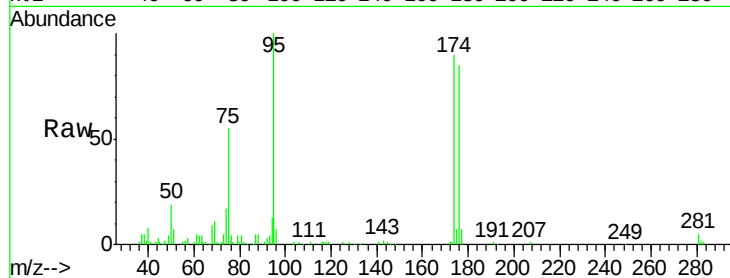
Tgt Ion: 95 Resp: 89090

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.0

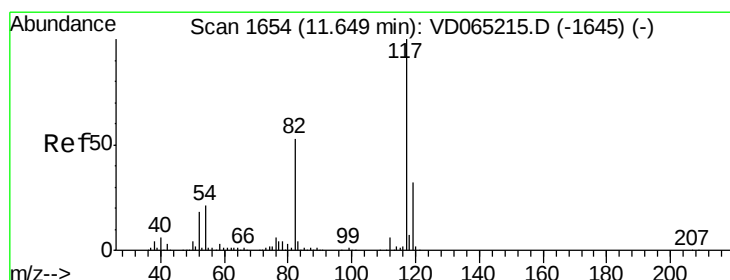
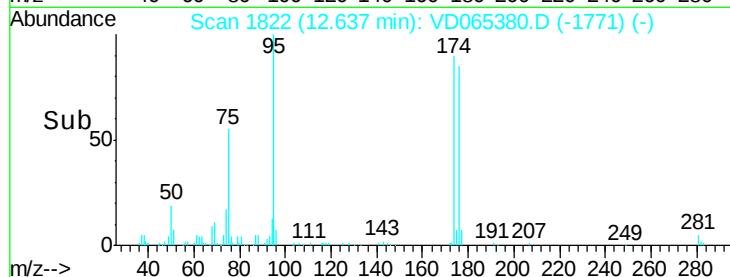
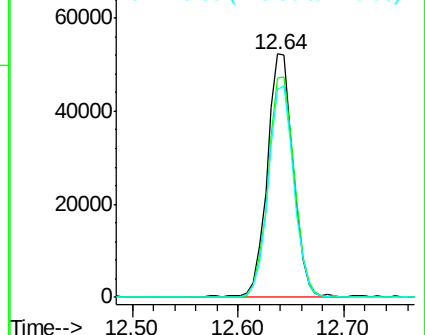
176 85.7 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

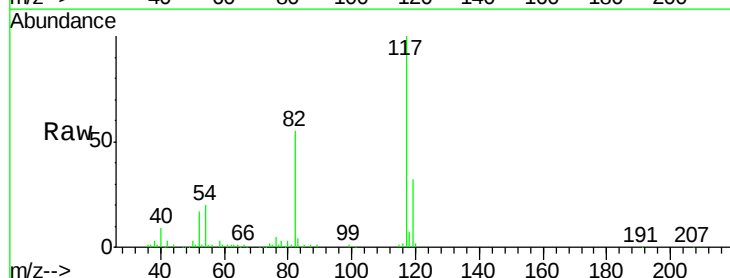
Tgt Ion: 117 Resp: 224882

Ion Ratio Lower Upper

117 100

82 55.1 42.7 64.1

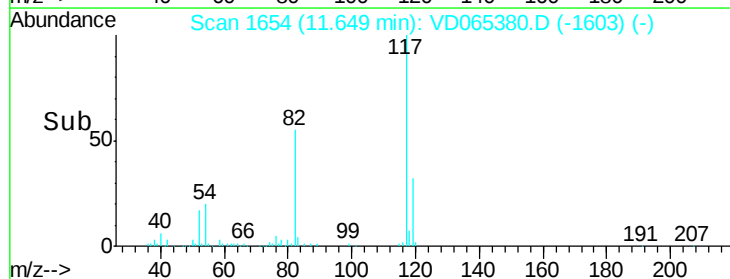
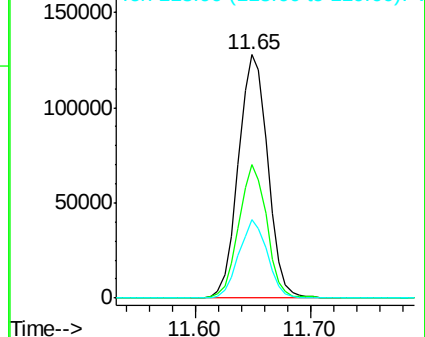
119 32.5 25.5 38.3

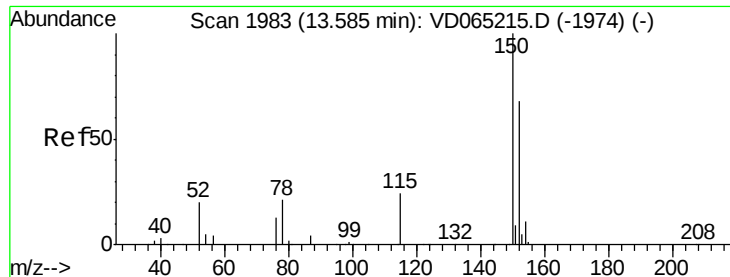


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

SOIL

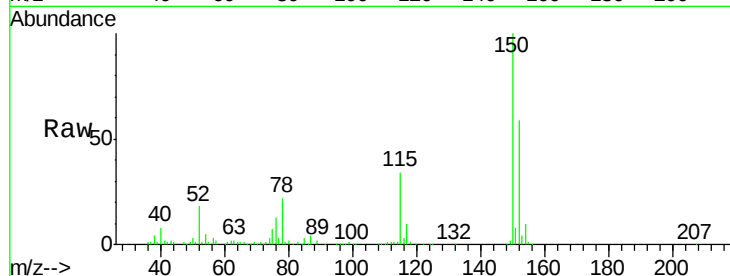
Tgt Ion:152 Resp: 100853

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

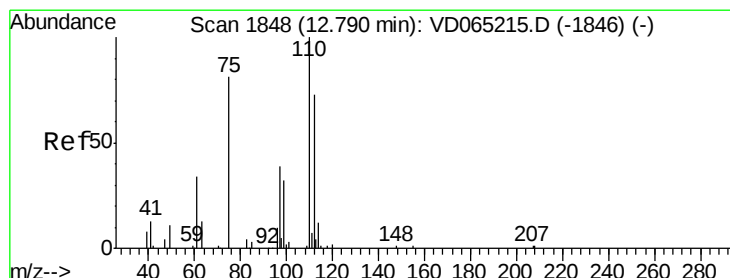
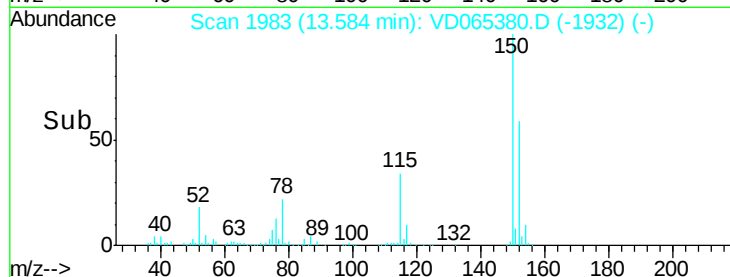
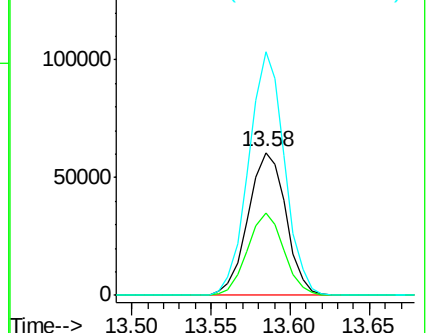
150 161.5 0.0 347.4



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: 51.26 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065380.D

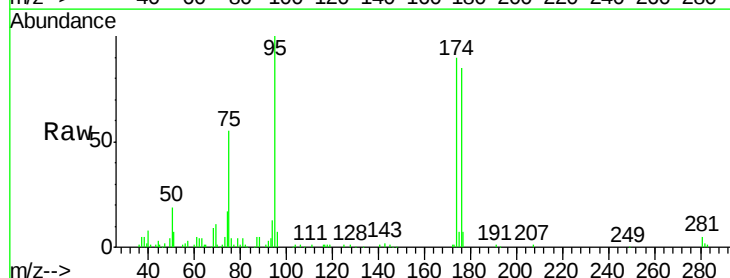
Acq: 02 Mar 2020 15:37

Tgt Ion: 75 Resp: 43987

Ion Ratio Lower Upper

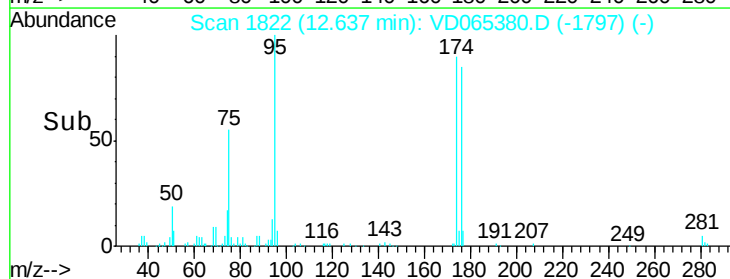
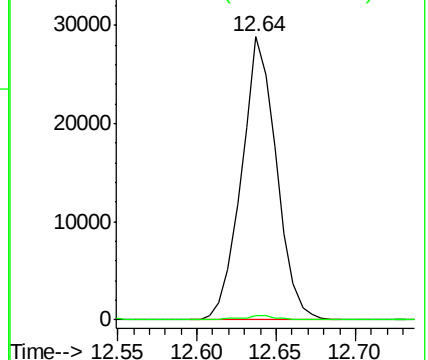
75 100

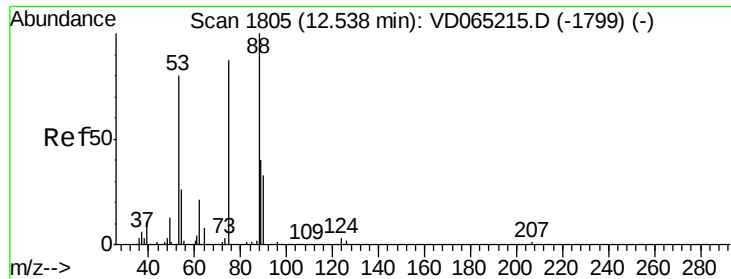
77 1.5 0.0 0.0#



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: 110.68 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065380.D

Acq: 02 Mar 2020 15:37

Instrument :

MSVOA_D

ClientSampleId :

SOIL

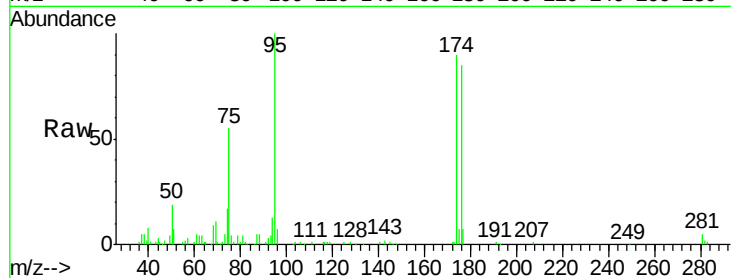
Tgt Ion: 75 Resp: 43987

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#



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

