

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061981.D
 Acq On : 23 Apr 2019 20:38
 Operator : VA/AP
 Sample : K2510-01
 Misc : 5.64g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE-A

Quant Time: Apr 24 02:13:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	559814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	840453	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	674652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	237164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	205465	46.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.78%	
35) Dibromofluoromethane	6.92	113	305084	52.49	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	104.98%	
50) Toluene-d8	10.42	98	665118	48.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.56	95	198685	35.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.64%	

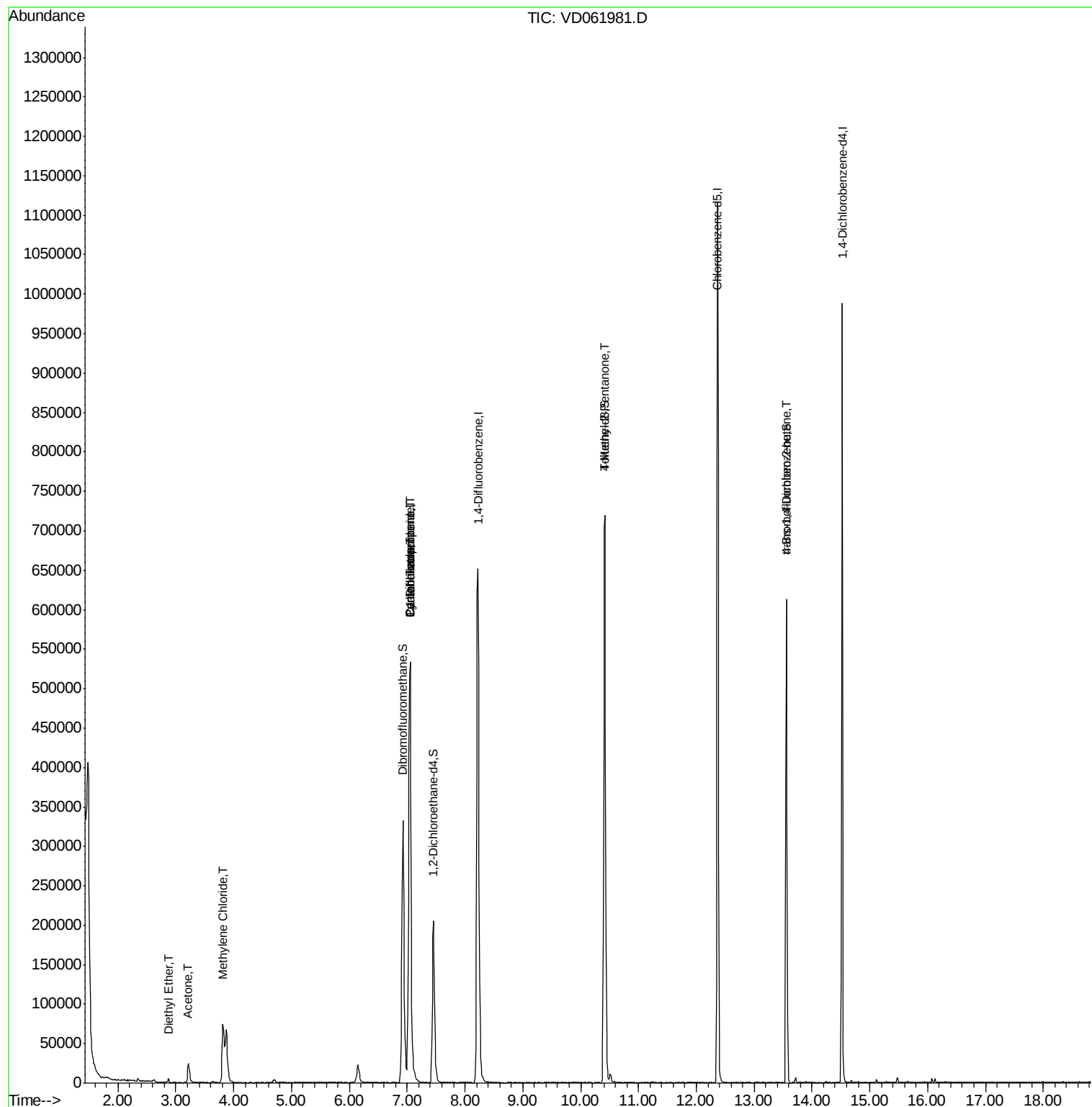
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	546	Below Cal	#	12
8) Diethyl Ether	2.87	74	1838	1.178	ug/l	94
16) Acetone	3.22	43	48298	46.167	ug/l	99
18) Methyl Acetate	3.64	43	3699	Below Cal	#	53
20) Methylene Chloride	3.82	84	59589	9.091	ug/l	95
31) Cyclohexane	7.05	56	9629	1.475	ug/l	# 1
36) 1,1-Dichloropropene	7.04	75	38096	5.818	ug/l	# 45
38) Carbon Tetrachloride	7.04	117	53346	6.429	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.41	43	2565	1.029	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	13.56	75	72074	78.973	ug/l	# 16

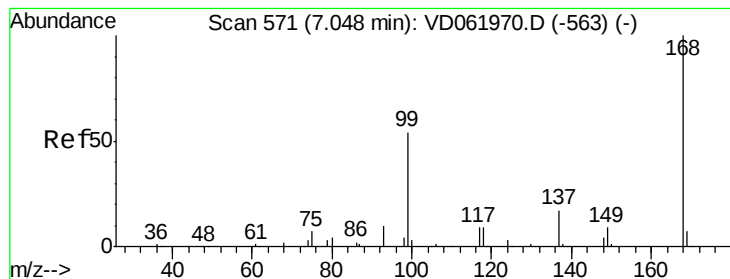
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Misc : 5.64g/5ml/MSVOA D/SOIL
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Quant Time: Apr 24 02:13:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

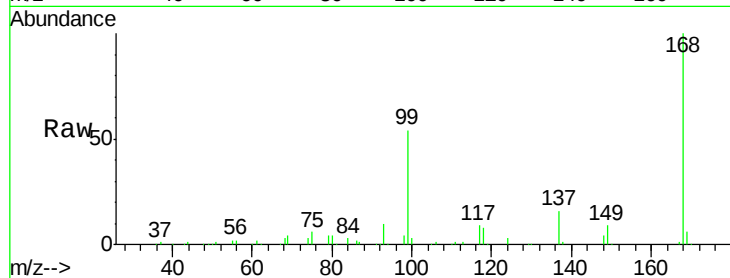
SOIL-PILE-A

Tot Ion:168 Resp: 559814

Ion Ratio Lower Upper

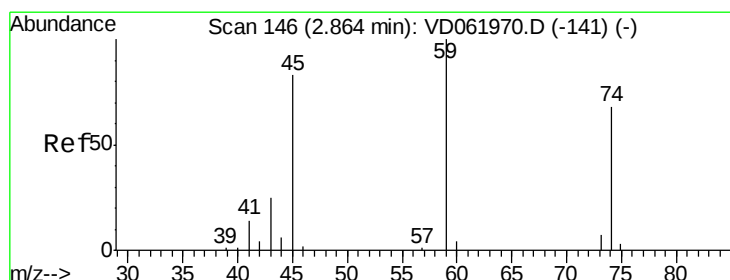
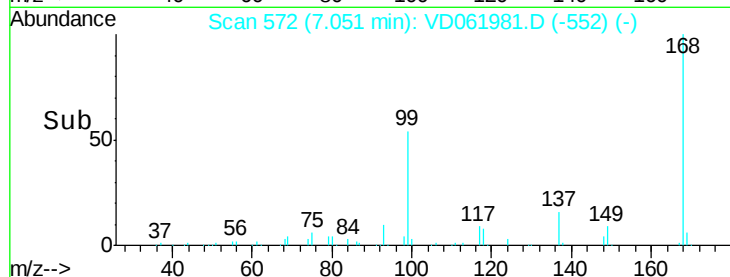
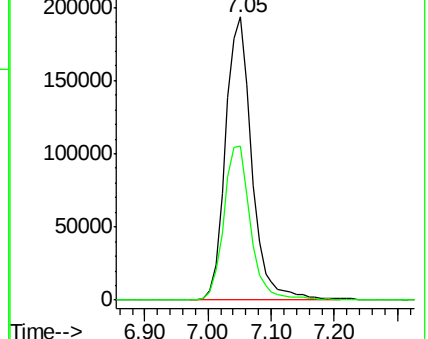
168 100

99 54.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.178 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD061981.D

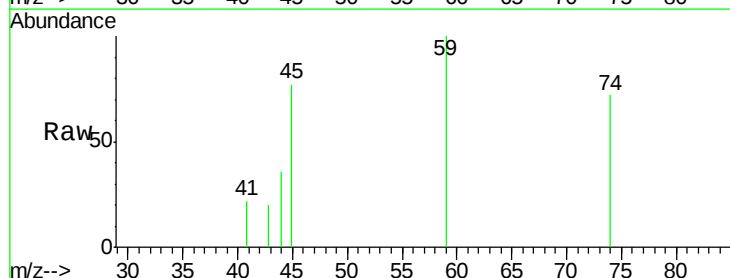
Acq: 23 Apr 2019 20:38

Tgt Ion: 74 Resp: 1838

Ion Ratio Lower Upper

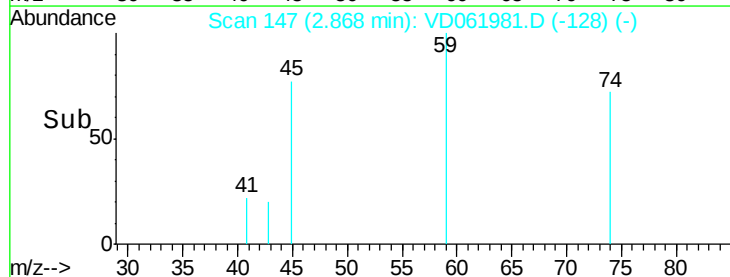
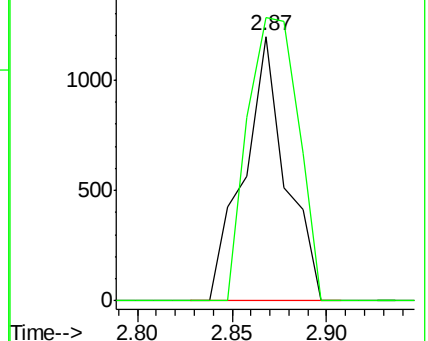
74 100

45 107.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 46.167 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

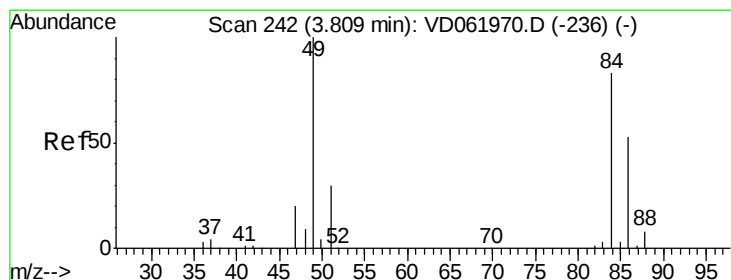
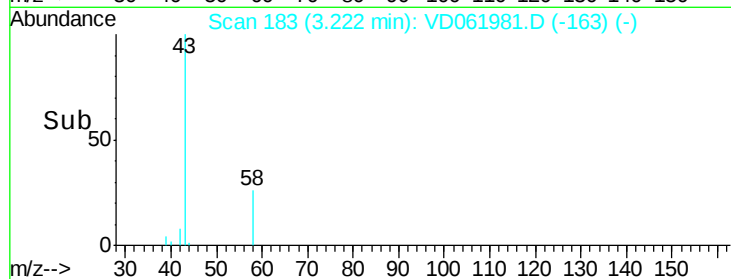
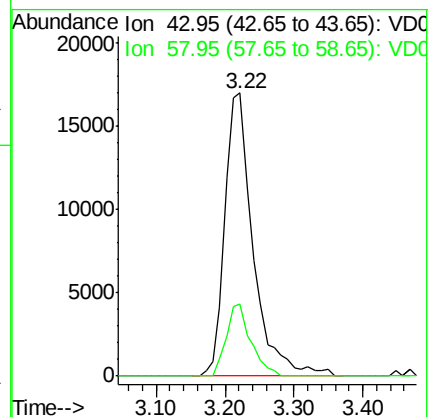
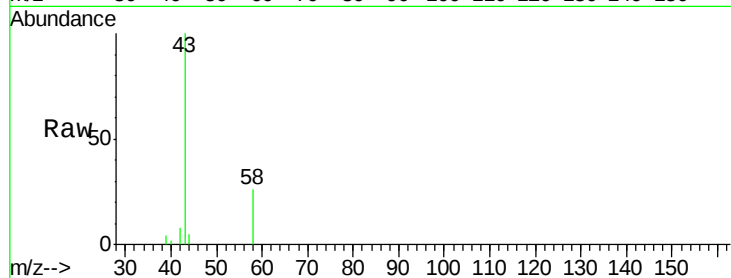
SOIL-PILE-A

Tot Ion: 43 Resp: 48298

Ion Ratio Lower Upper

43 100

58 25.5 19.9 29.9



#20

Methylene Chloride

Concen: 9.091 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Tgt Ion: 84 Resp: 59589

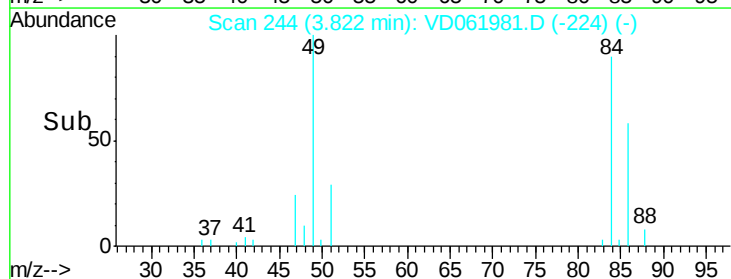
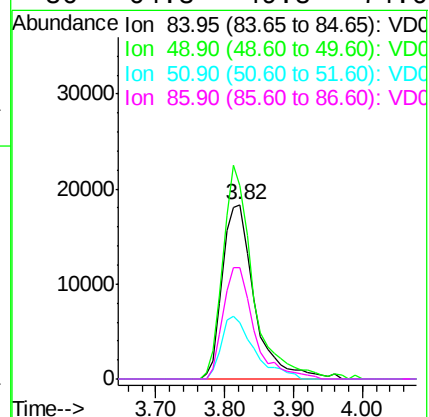
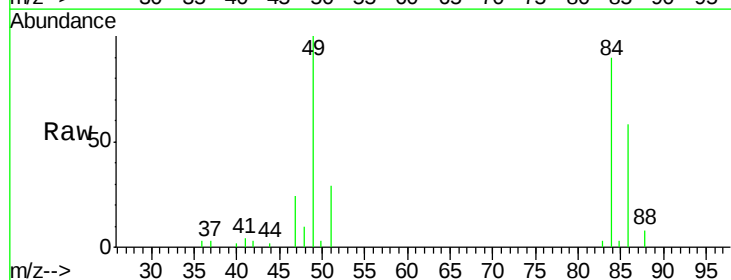
Ion Ratio Lower Upper

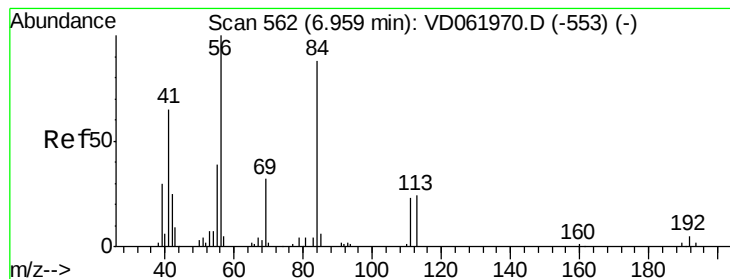
84 100

49 110.9 94.0 141.0

51 32.1 29.0 43.4

86 64.3 49.8 74.6





#31

Cyclohexane

Concen: 1.475 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-A

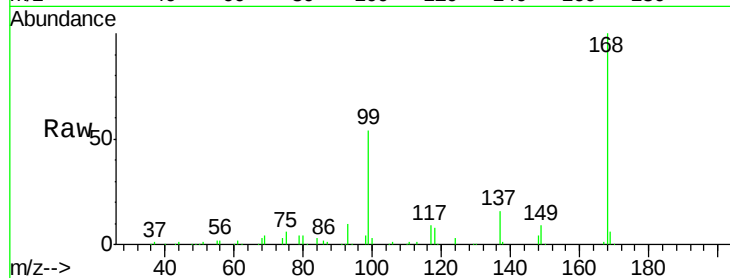
Tot Ion: 56 Resp: 9629

Ion Ratio Lower Upper

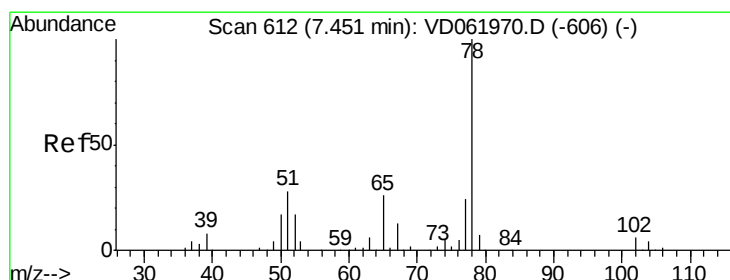
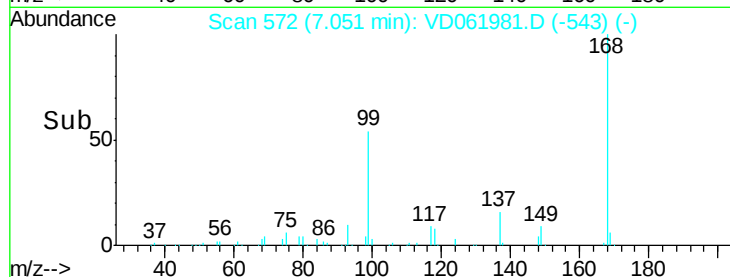
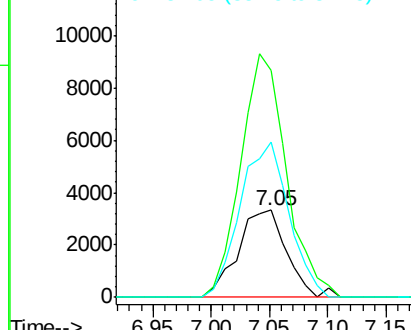
56 100

69 262.0 25.8 38.6#

84 179.1 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061981.D

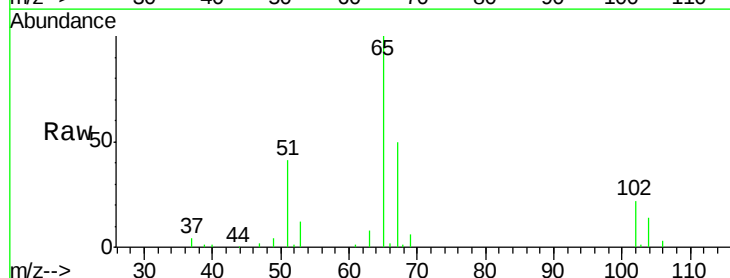
Acq: 23 Apr 2019 20:38

Tgt Ion: 65 Resp: 205465

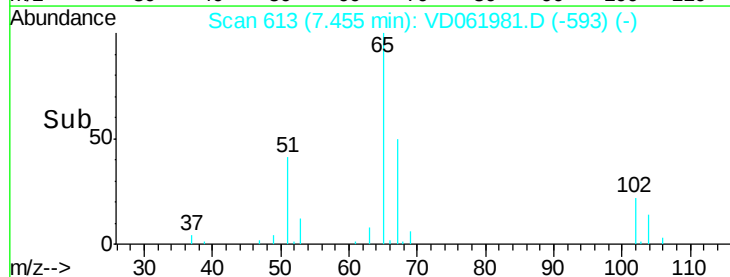
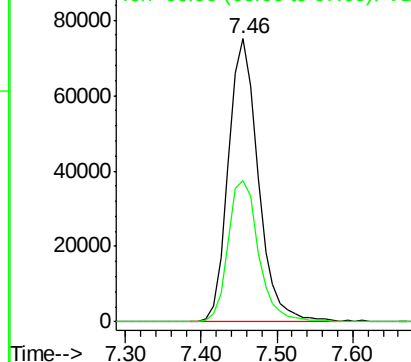
Ion Ratio Lower Upper

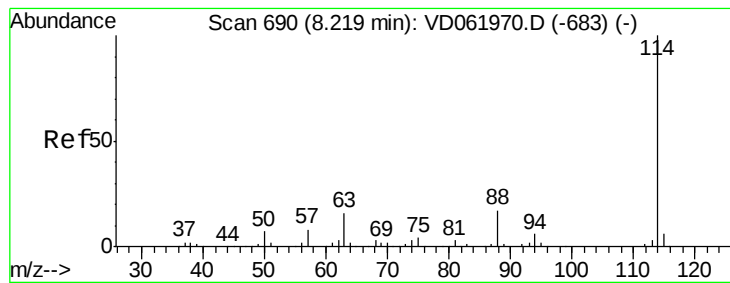
65 100

67 49.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-A

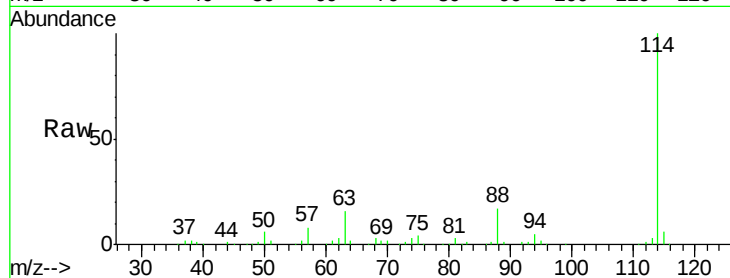
Tot Ion:114 Resp: 840453

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

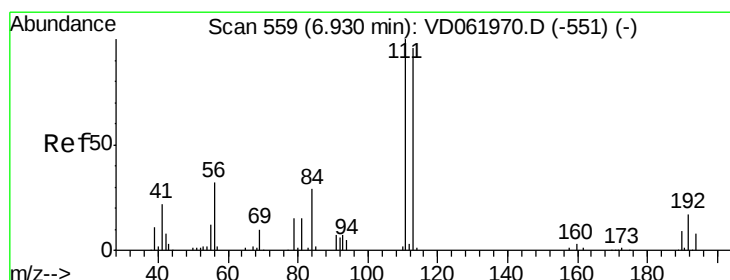
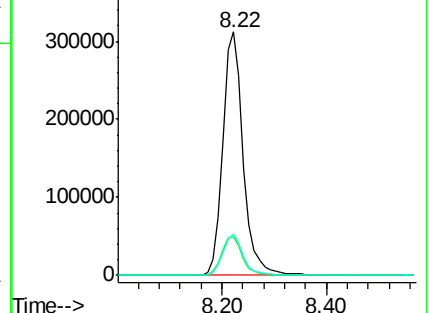
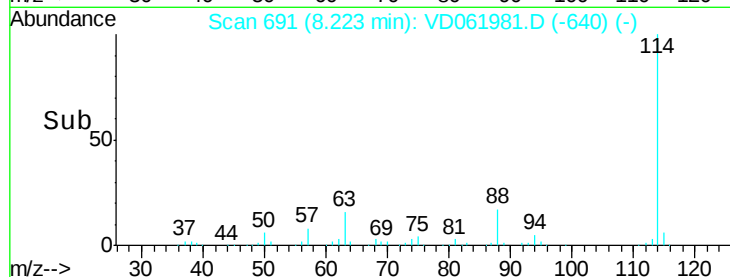
88 16.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

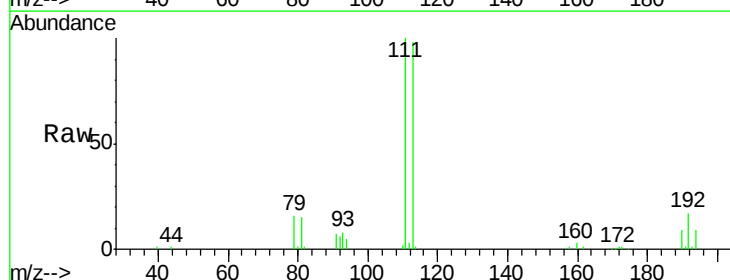
Tgt Ion:113 Resp: 305084

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

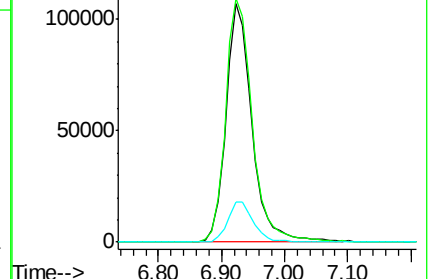
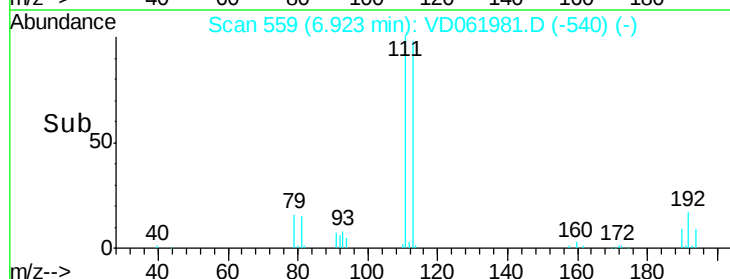
192 16.9 13.0 19.4

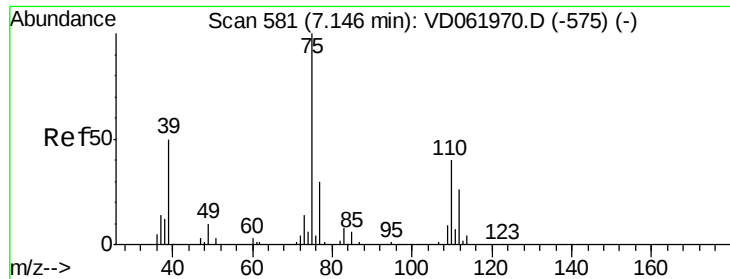


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.818 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-A

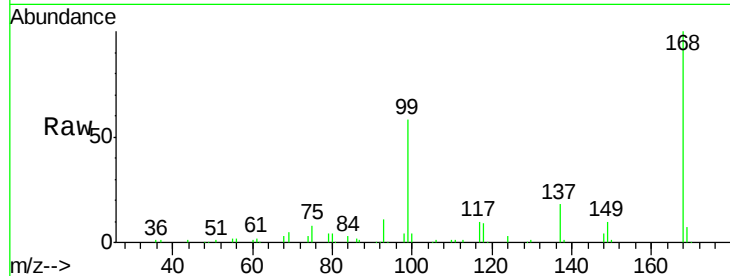
Tot Ion: 75 Resp: 38096

Ion Ratio Lower Upper

75 100

110 6.3 19.1 57.1#

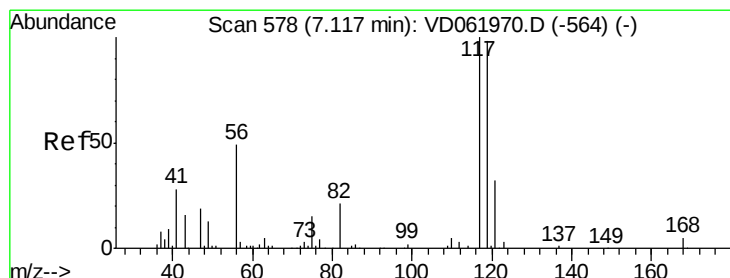
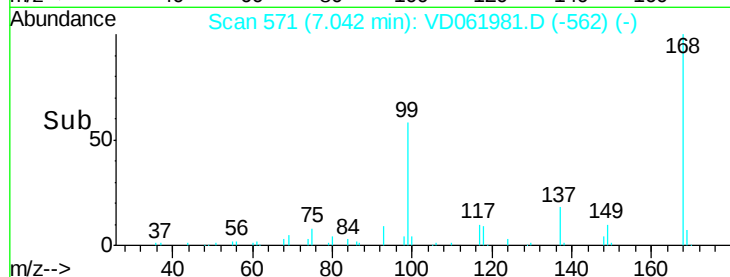
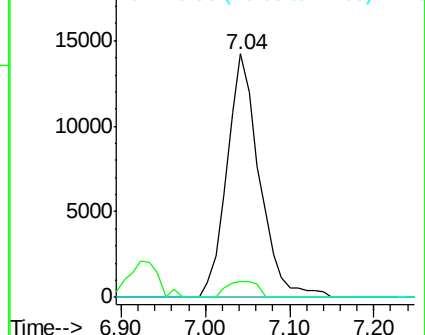
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD061981.D

Acq: 23 Apr 2019 20:38

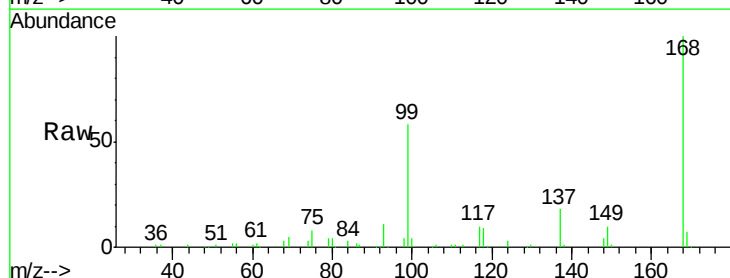
Tgt Ion: 117 Resp: 53346

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

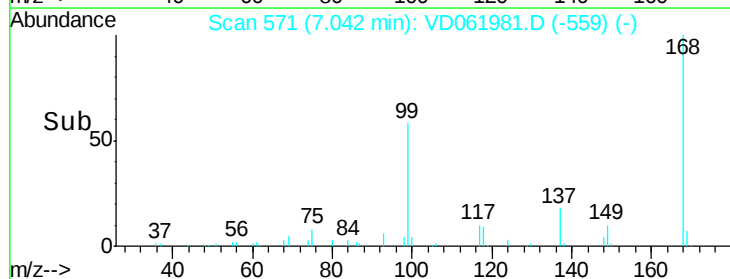
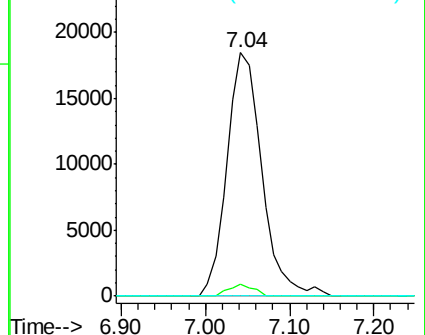
121 0.0 25.9 38.9#

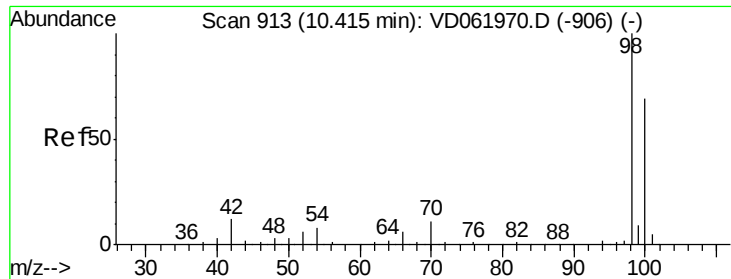


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

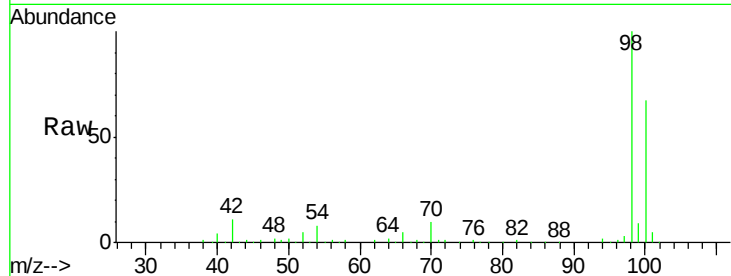




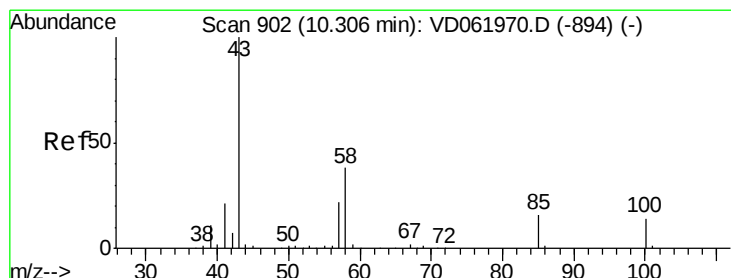
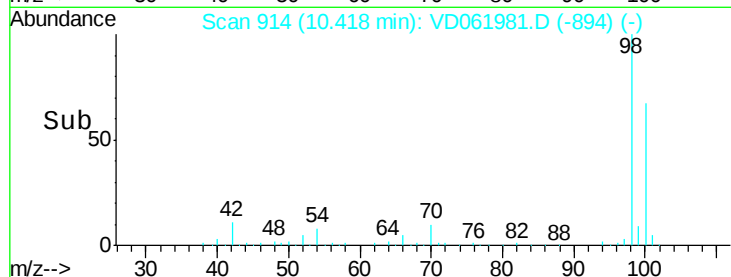
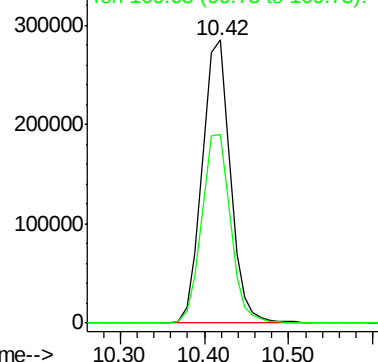
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-A

Tot Ion: 98 Resp: 665118
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8

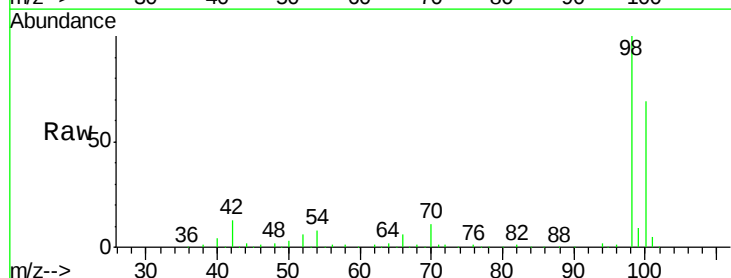


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

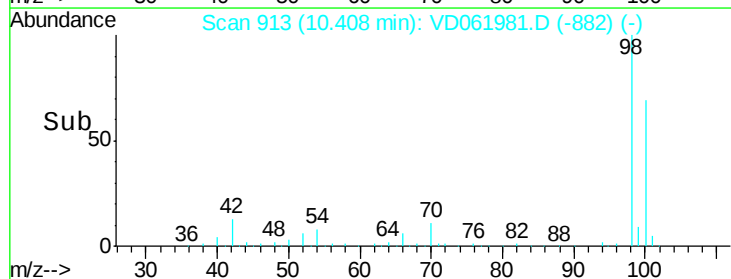
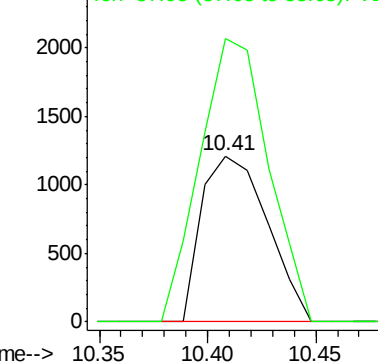


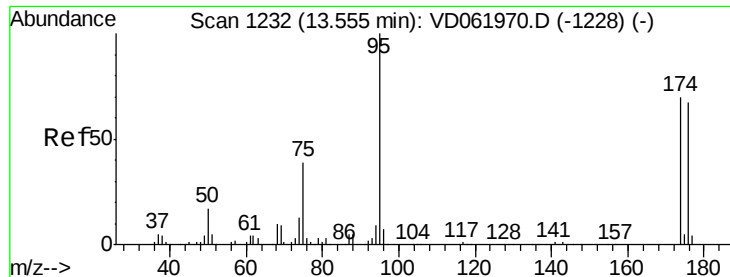
#51
4-Methyl-2-Pentanone
Concen: 1.029 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
58 170.5 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

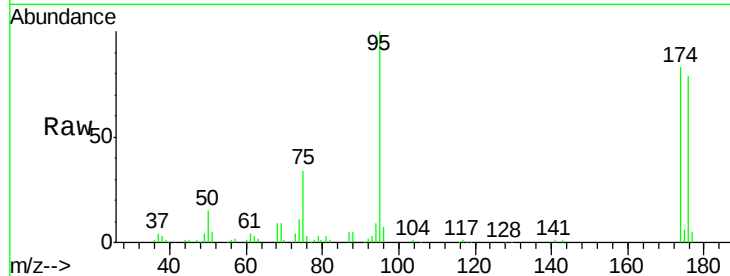




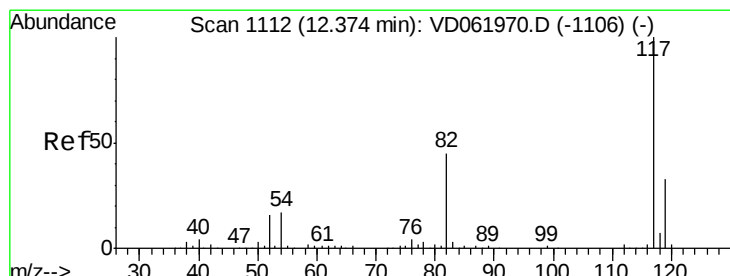
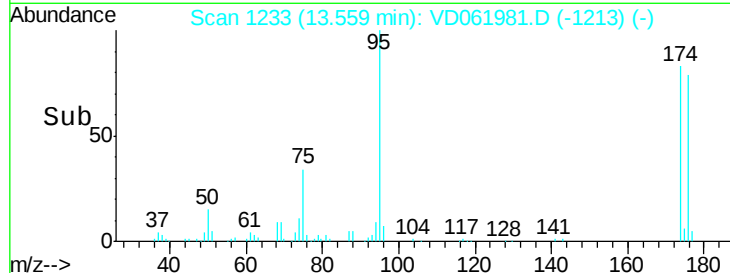
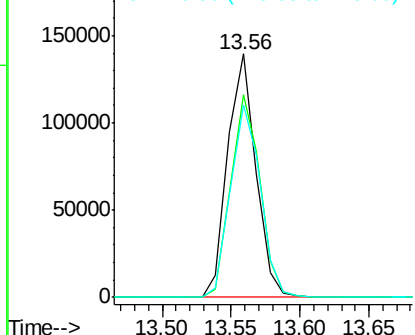
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-A

Tot Ion: 95 Resp: 198685
Ion Ratio Lower Upper
95 100
174 83.3 0.0 181.8
176 79.2 0.0 174.4

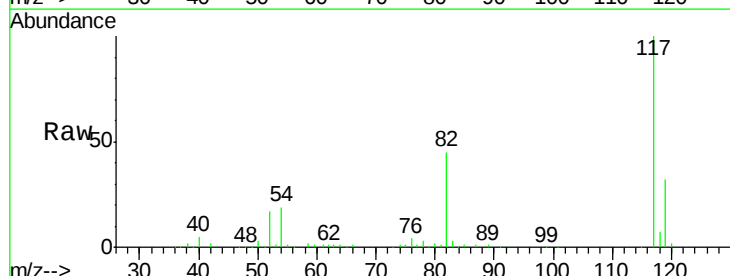


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

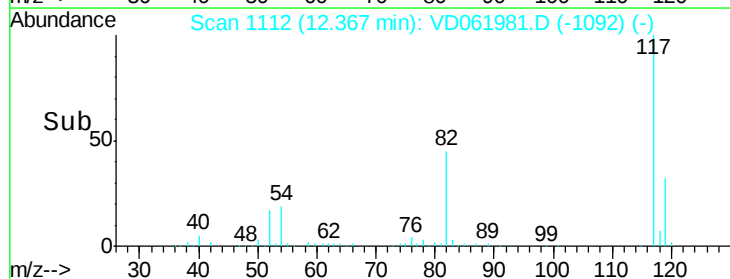
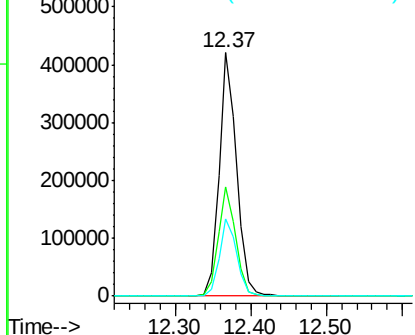


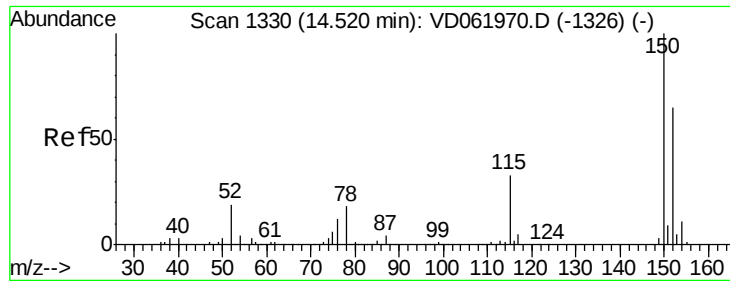
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Tgt Ion: 117 Resp: 674652
Ion Ratio Lower Upper
117 100
82 45.0 36.2 54.2
119 32.0 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



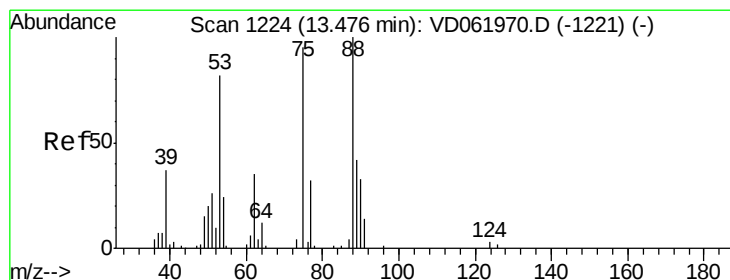
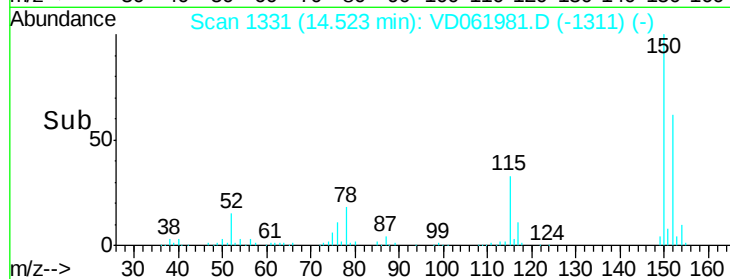
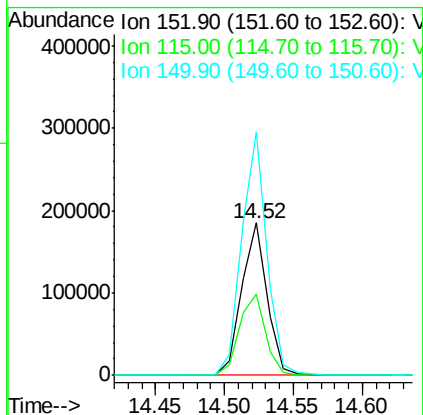
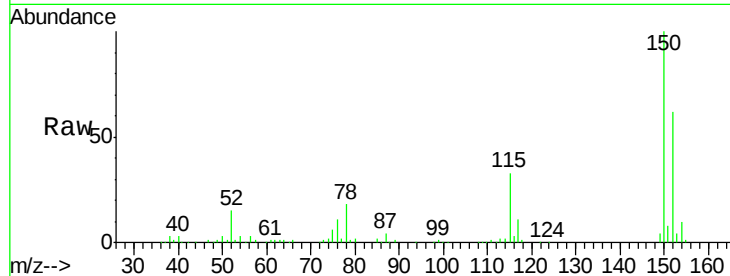


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-A

Tot Ion:152 Resp: 237164
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 160.0 0.0 314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 78.973 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD061981.D
Acq: 23 Apr 2019 20:38

Tgt Ion: 75 Resp: 72074
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

