

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010517.D
 Acq On : 22 May 2019 18:18
 Operator : SY/VA
 Sample : K2978-01
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-SOIL

Quant Time: May 23 06:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	133964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	237413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	173370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	60023	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	
35) Dibromofluoromethane	7.88	113	62403	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	
50) Toluene-d8	10.32	98	209944	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	
62) 4-Bromofluorobenzene	12.62	95	60852	27.76	ug/l	0.00
Spiked Amount			Recovery	=	55.52%	

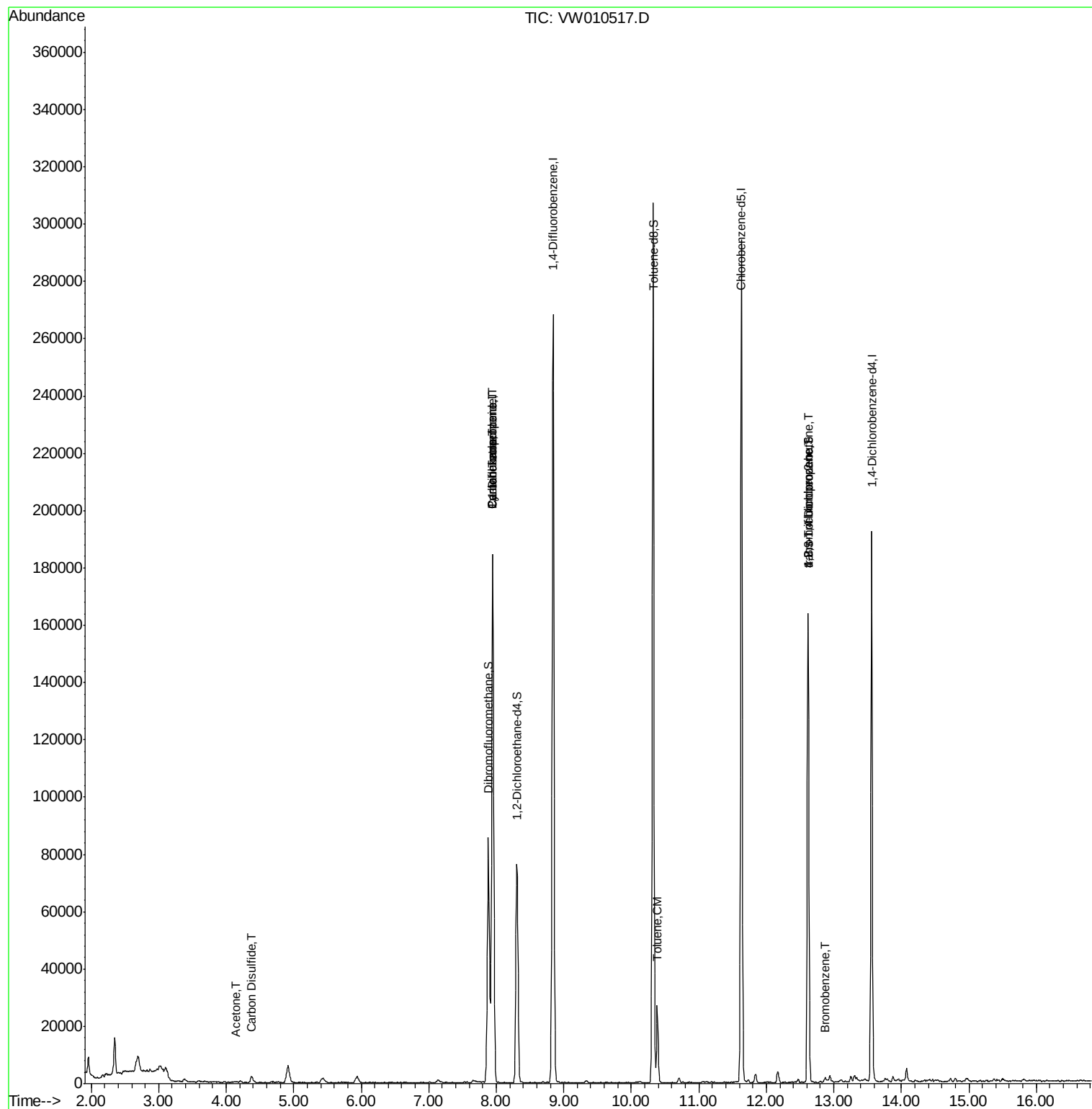
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	44	Below Cal	#	42
16) Acetone	4.15	43	602	2.133	ug/l #	81
17) Carbon Disulfide	4.37	76	4285	1.015	ug/l	98
20) Methylene Chloride	4.91	84	4757	Below Cal	#	84
31) Cyclohexane	7.95	56	2939	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10454	4.727	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15030	6.300	ug/l #	14
52) Toluene	10.38	92	12214	2.959	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	29203	59.846	ug/l #	1
77) Bromobenzene	12.88	156	1075	1.259	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29203	124.900	ug/l #	14

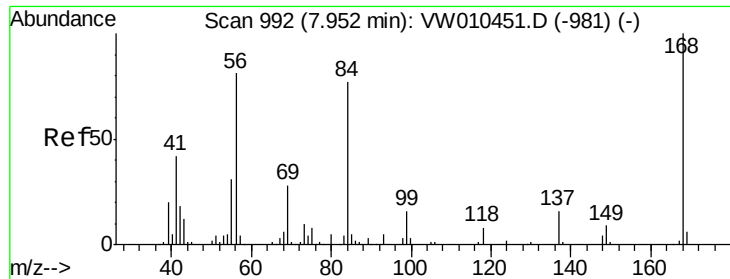
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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Quant Time: May 23 06:59:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

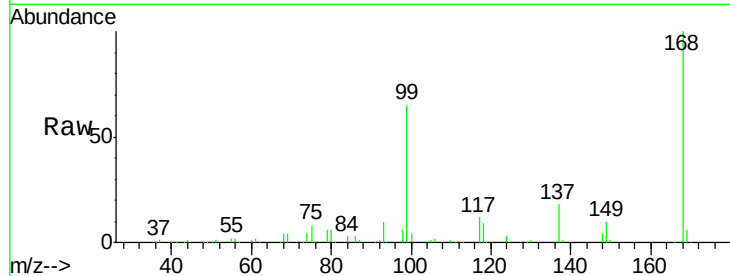
RO-SOIL

Tot Ion:168 Resp: 133964

Ion Ratio Lower Upper

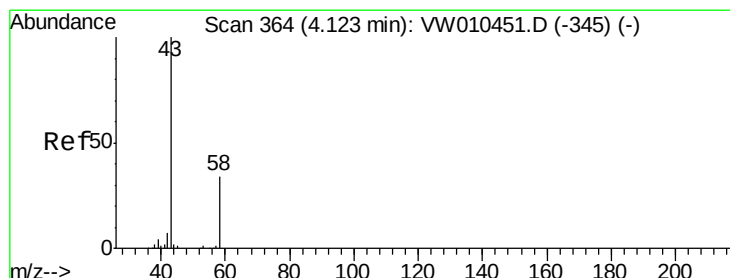
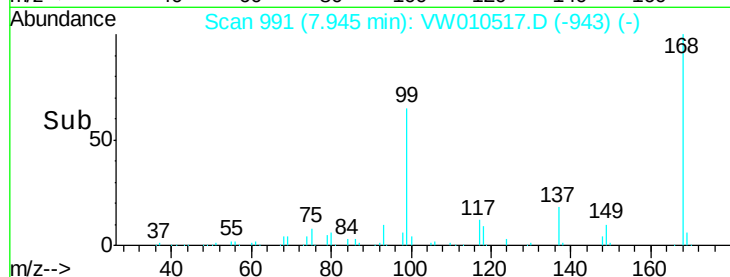
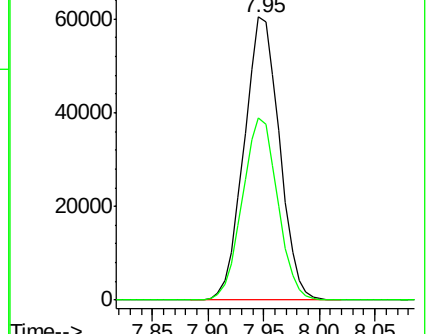
168 100

99 64.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 2.133 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW010517.D

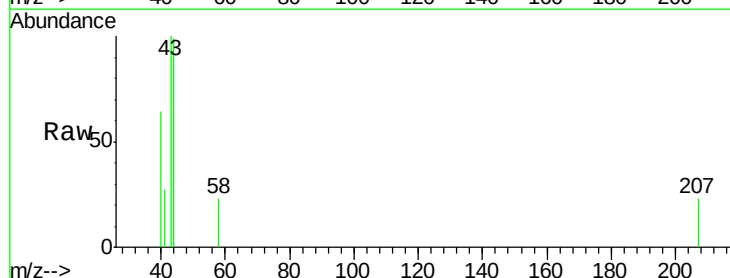
Acq: 22 May 2019 18:18

Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

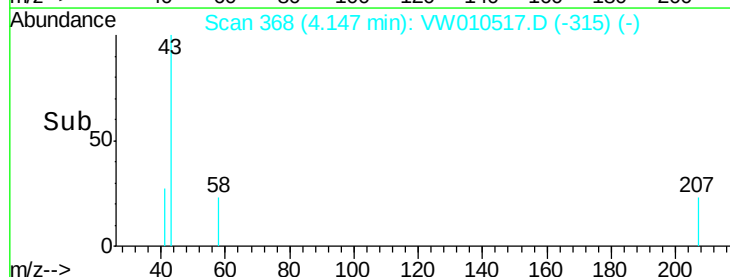
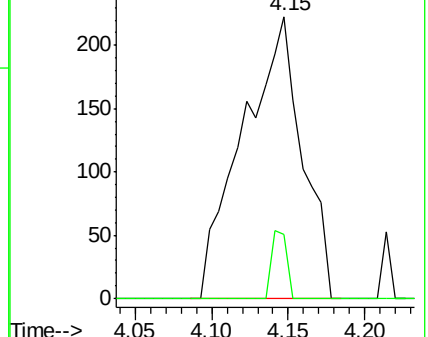
43 100

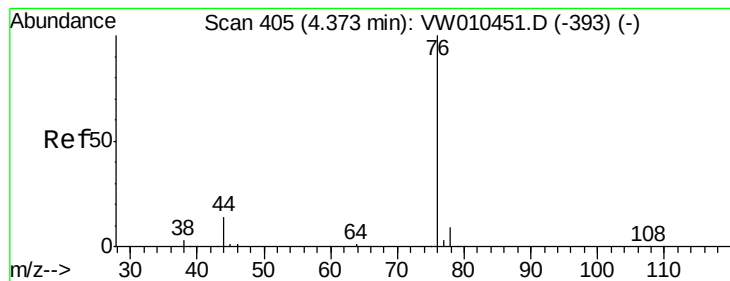
58 22.9 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.015 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

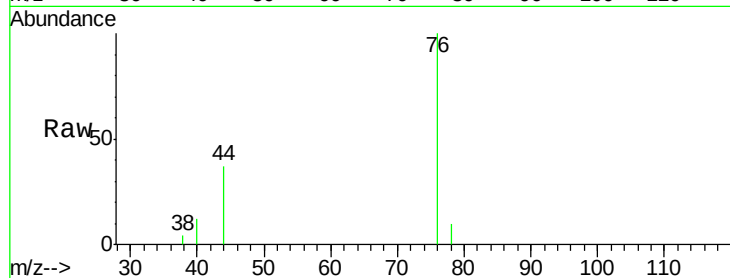
RO-SOIL

Tot Ion: 76 Resp: 4285

Ion Ratio Lower Upper

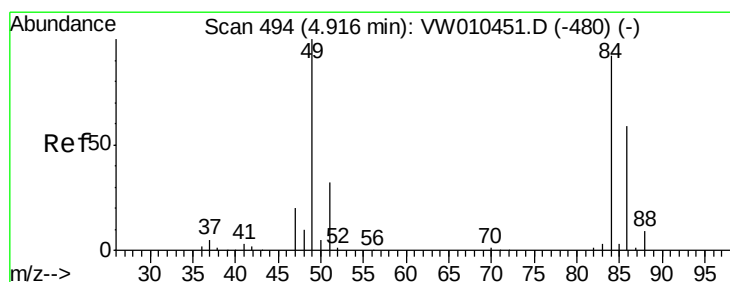
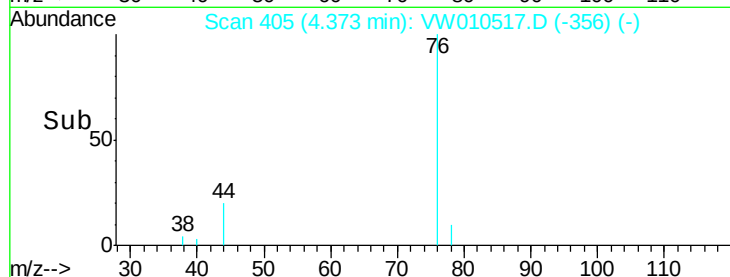
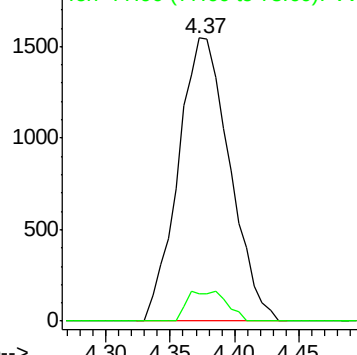
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Tgt Ion: 84 Resp: 4757

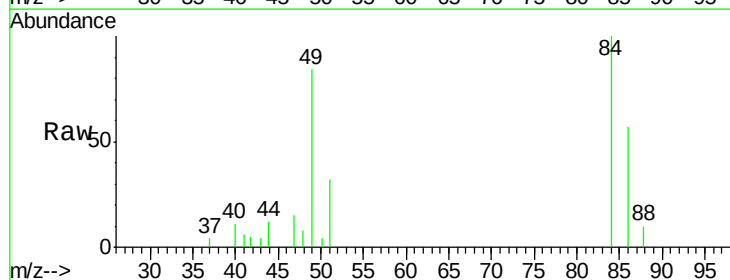
Ion Ratio Lower Upper

84 100

49 84.4 87.2 130.8#

51 31.5 27.7 41.5

86 57.2 51.4 77.0

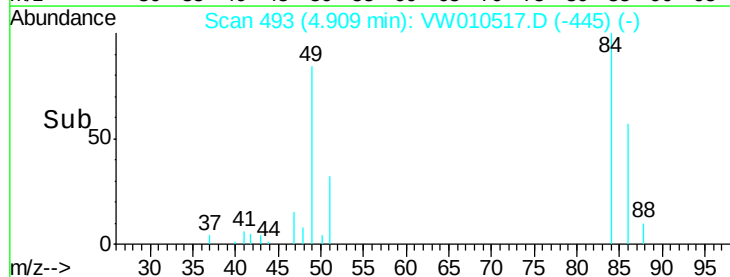
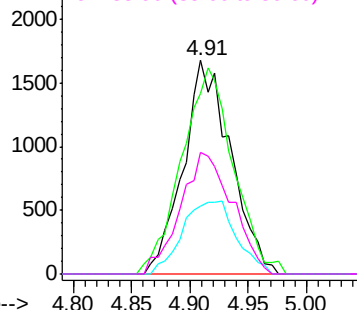


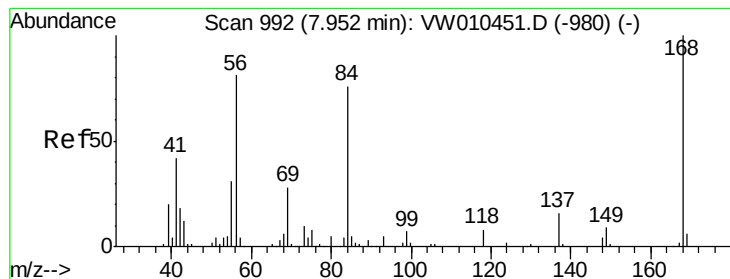
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

RO-SOIL

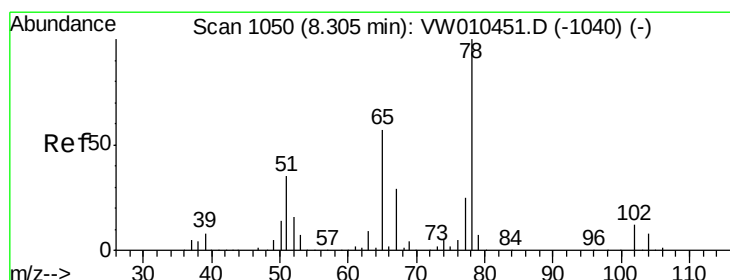
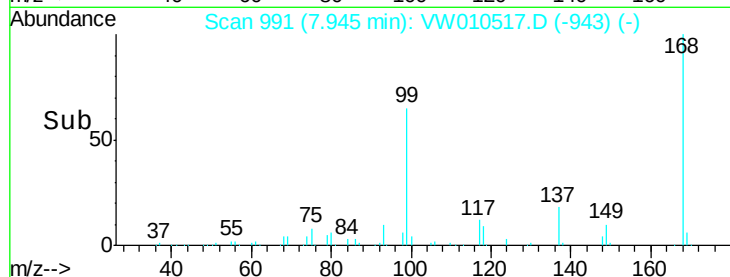
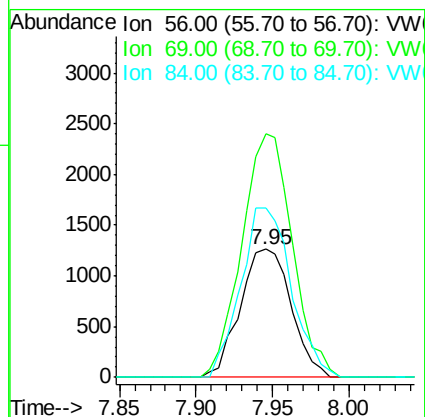
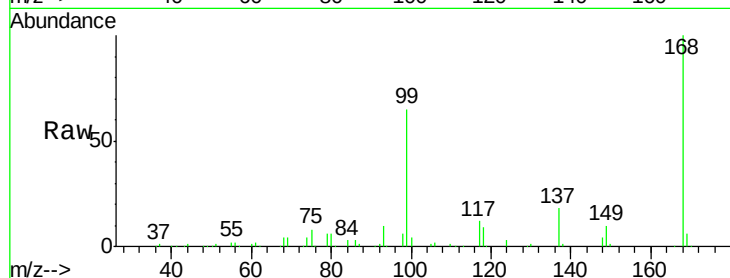
Tot Ion: 56 Resp: 2939

Ion Ratio Lower Upper

56 100

69 190.3 28.2 42.2#

84 132.4 75.8 113.8#



#33

1,2-Dichloroethane-d4

Concen: 43.409 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010517.D

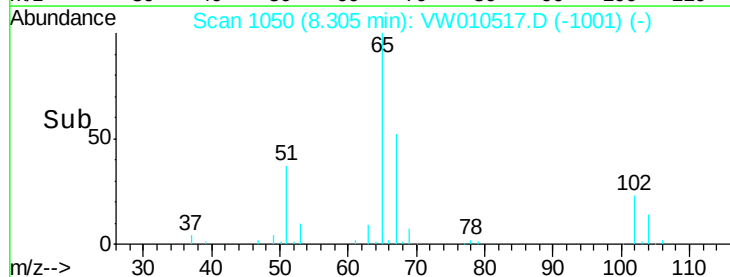
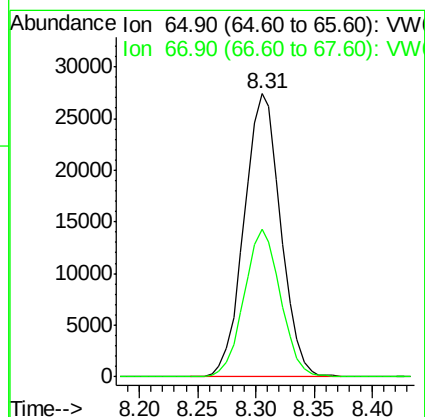
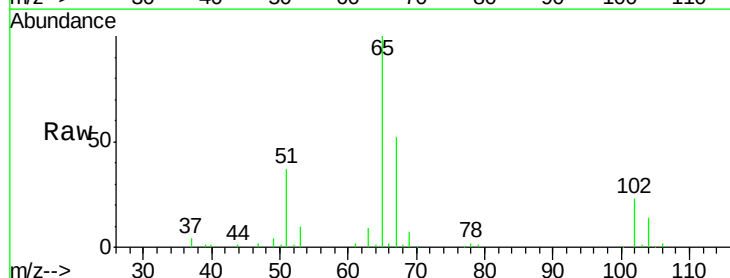
Acq: 22 May 2019 18:18

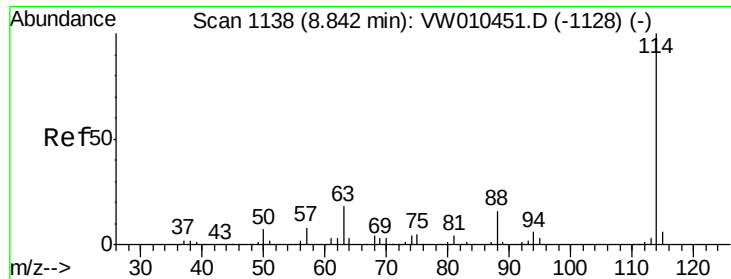
Tgt Ion: 65 Resp: 60023

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

RO-SOIL

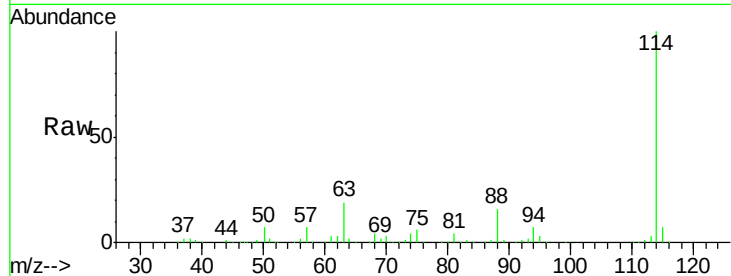
Tot Ion:114 Resp: 237413

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.0

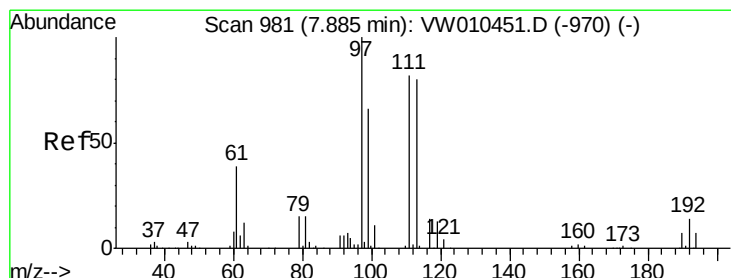
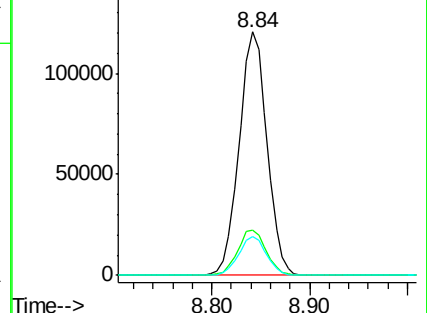
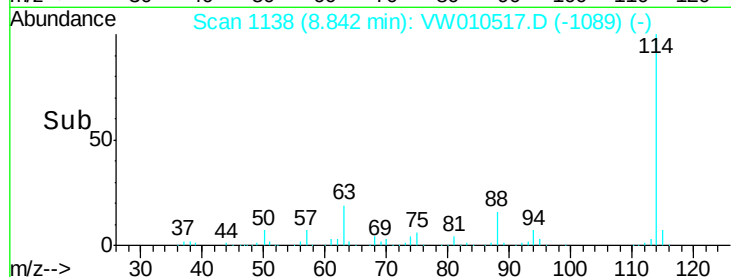
88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 43.318 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

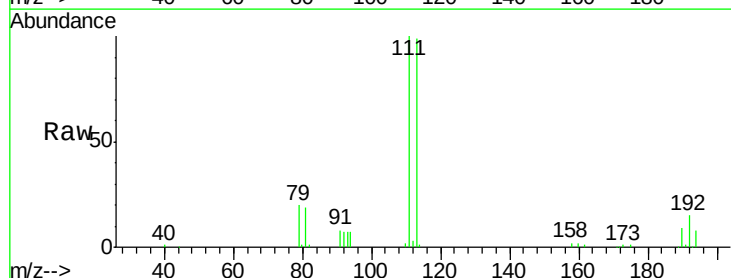
Tgt Ion:113 Resp: 62403

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

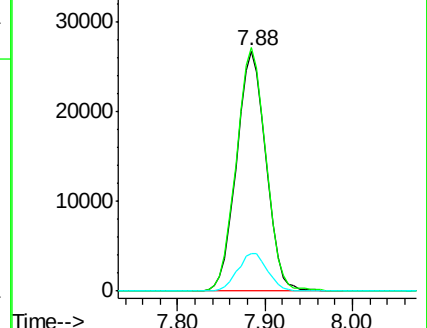
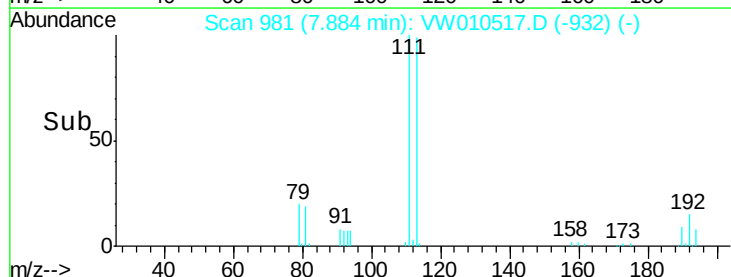
192 16.1 14.3 21.5

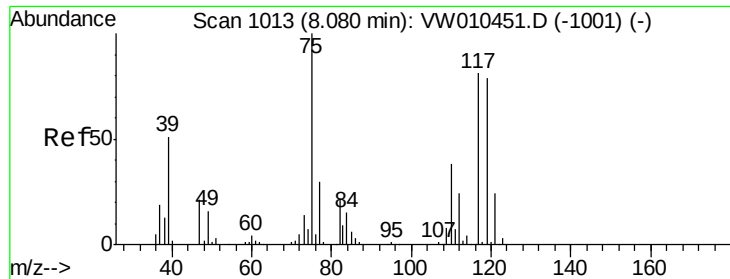


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.727 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

RO-SOIL

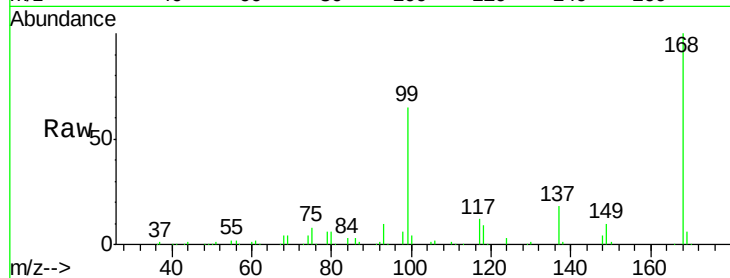
Tot Ion: 75 Resp: 10454

Ion Ratio Lower Upper

75 100

110 9.1 19.2 57.6#

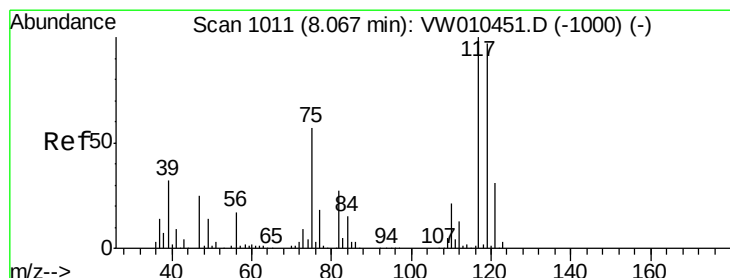
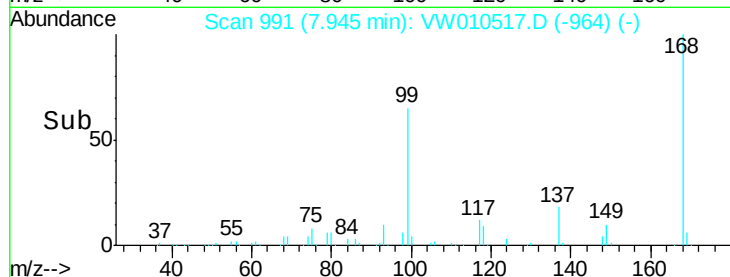
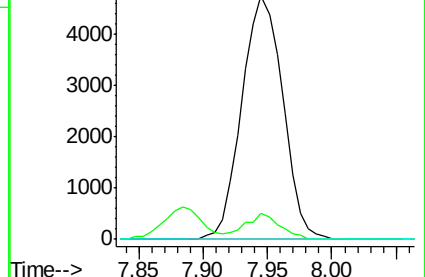
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.300 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

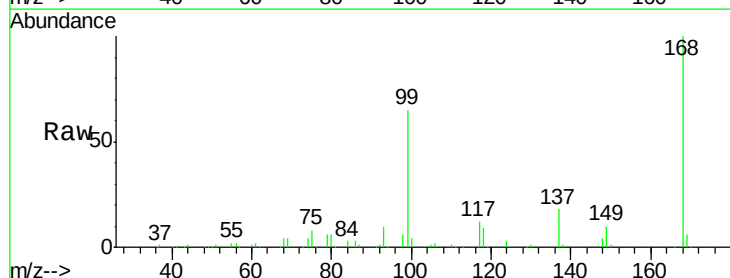
Tgt Ion: 117 Resp: 15030

Ion Ratio Lower Upper

117 100

119 3.2 77.4 116.0#

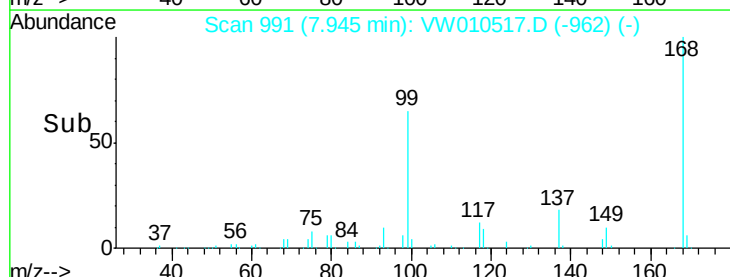
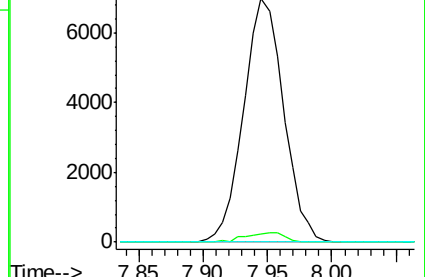
121 0.0 25.0 37.6#

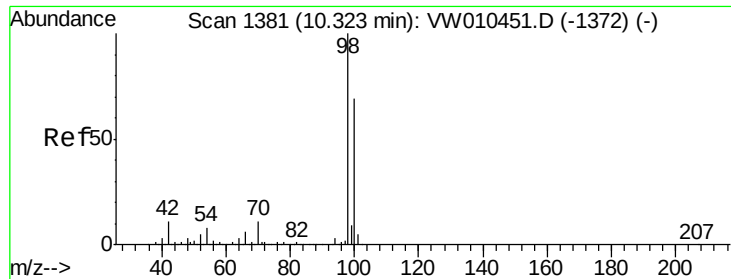


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

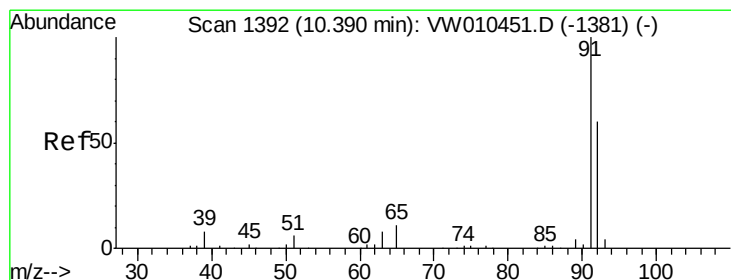
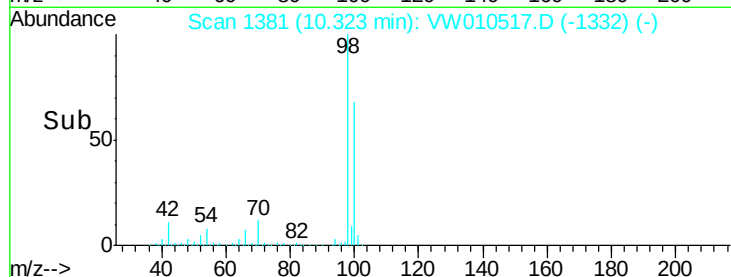
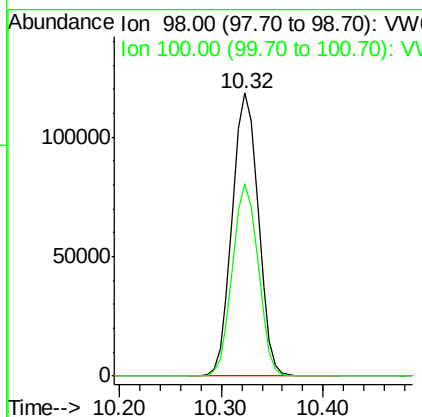
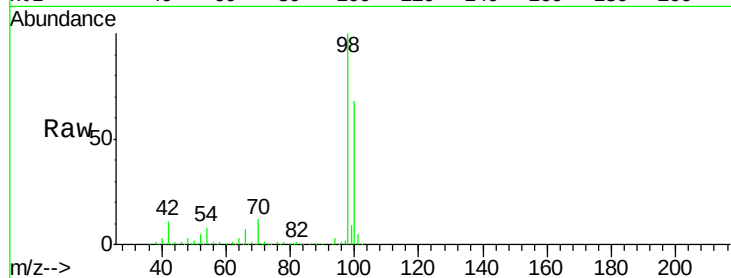




#50
Toluene-d8
Concen: 38.148 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

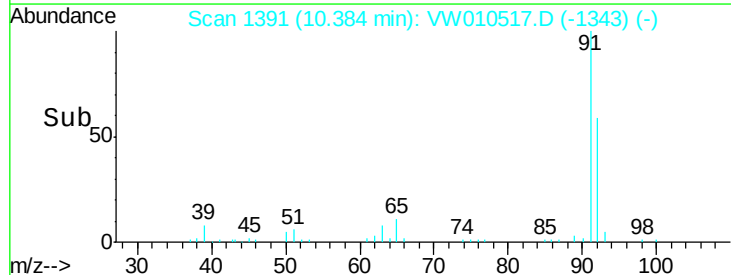
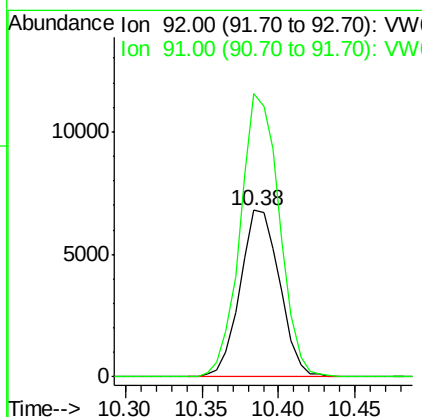
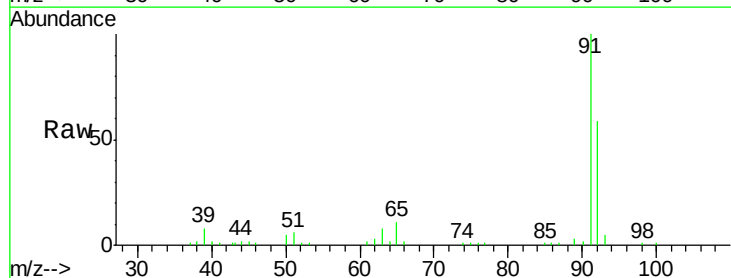
Instrument :
MSVOA_W
ClientSampleId :
RO-SOIL

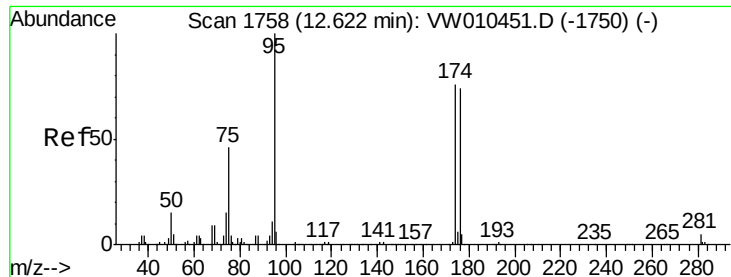
Tot Ion: 98 Resp: 209944
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



#52
Toluene
Concen: 2.959 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

Tgt Ion: 92 Resp: 12214
Ion Ratio Lower Upper
92 100
91 168.4 135.4 203.0

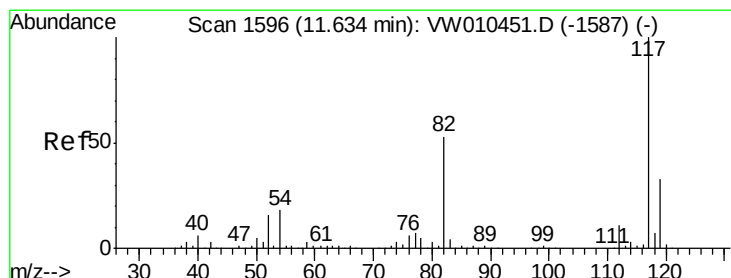
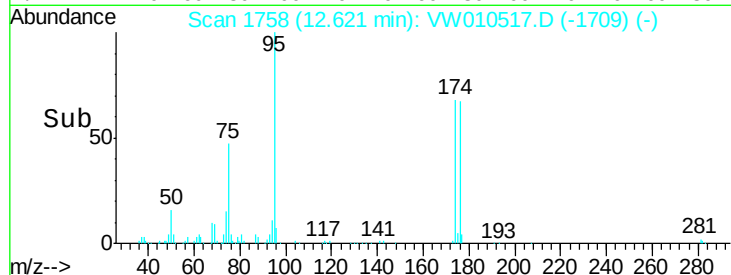
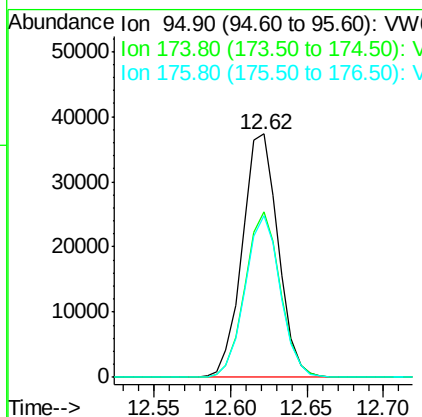
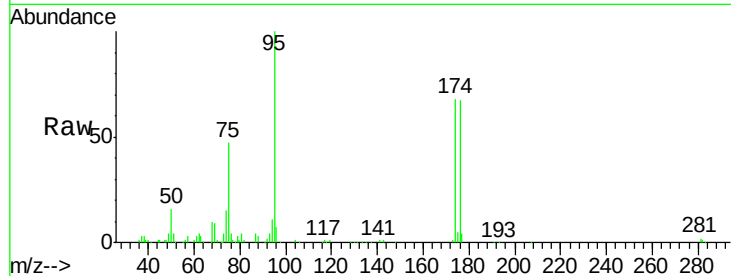




#62
4-Bromofluorobenzene
Concen: 27.760 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

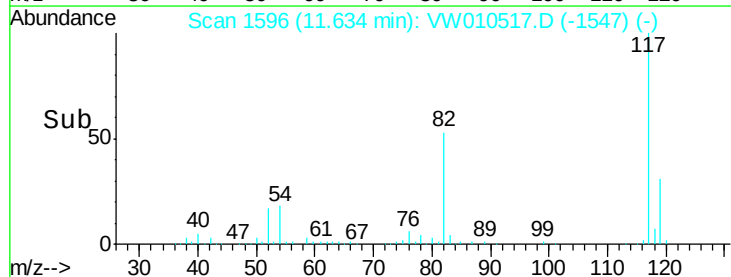
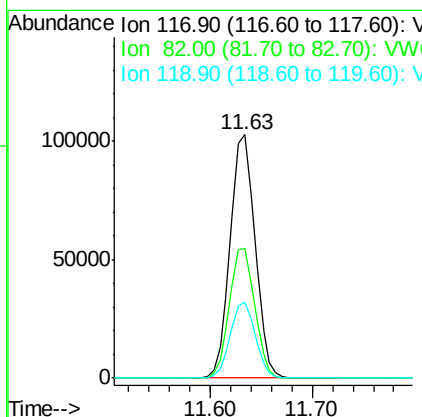
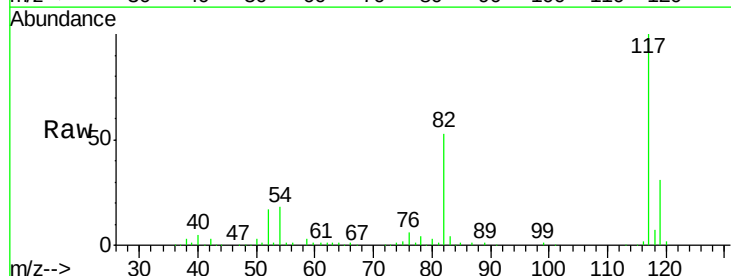
Instrument :
MSVOA_W
ClientSampleId :
RO-SOIL

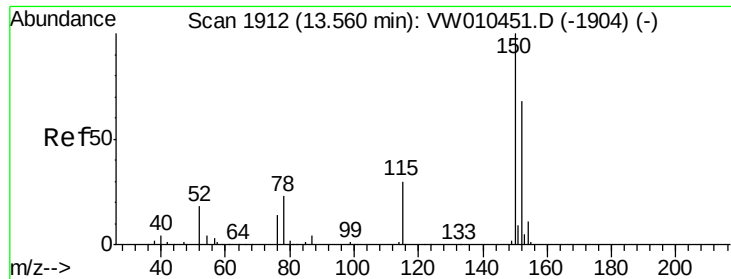
Tot Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	148.6
176	65.1	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	31.4	26.3	39.5



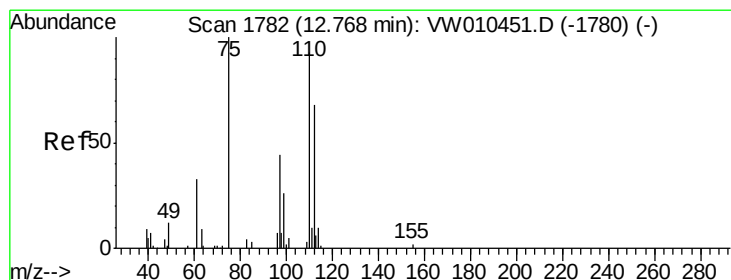
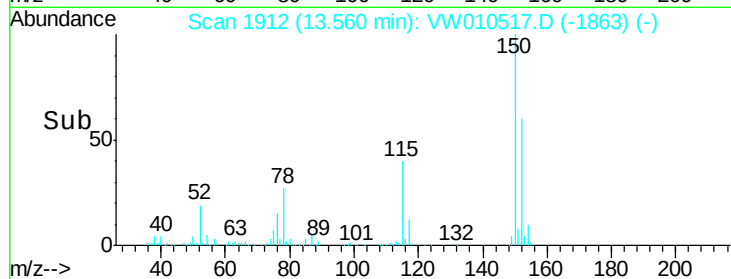
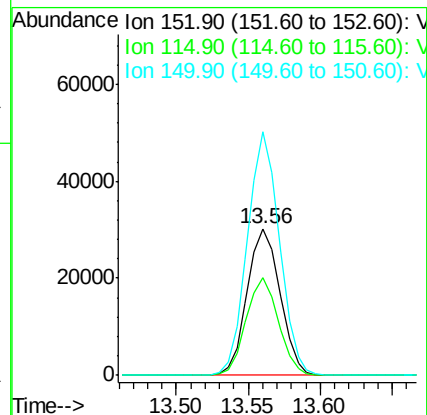
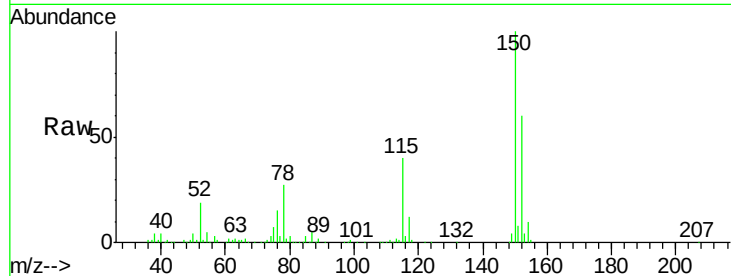


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

Instrument :
MSVOA_W
ClientSampled :
RO-SOIL

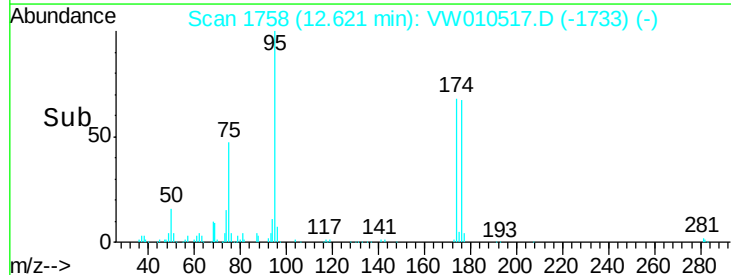
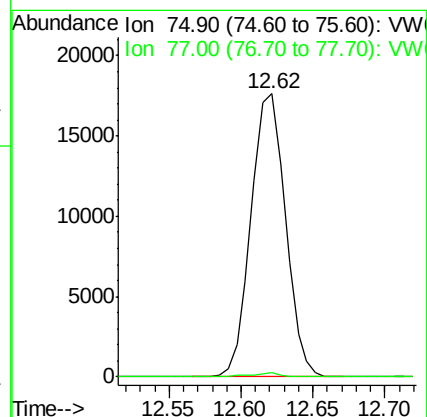
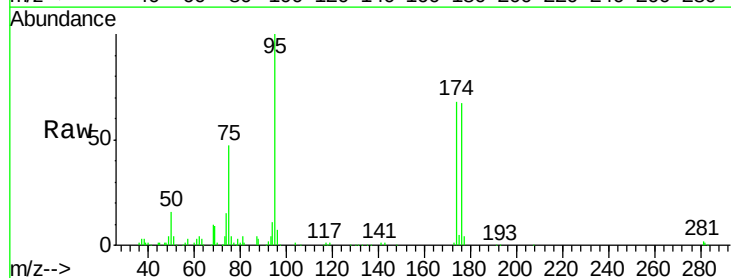
Tot Ion:152 Resp: 48073
Ion Ratio Lower Upper
152 100
115 65.2 30.3 91.0
150 161.0 0.0 349.8

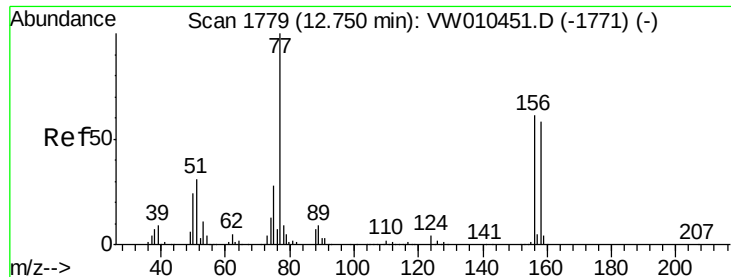


#76

1,2,3-Trichloropropane
Concen: 59.846 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010517.D
Acq: 22 May 2019 18:18

Tgt Ion: 75 Resp: 29203
Ion Ratio Lower Upper
75 100
77 1.3 170.0 510.1#





#77

Bromobenzene

Concen: 1.259 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

RO-SOIL

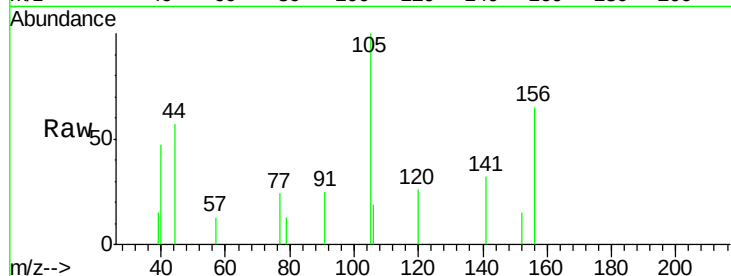
Tot Ion:156 Resp: 1075

Ion Ratio Lower Upper

156 100

77 10.2 92.4 277.2#

158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

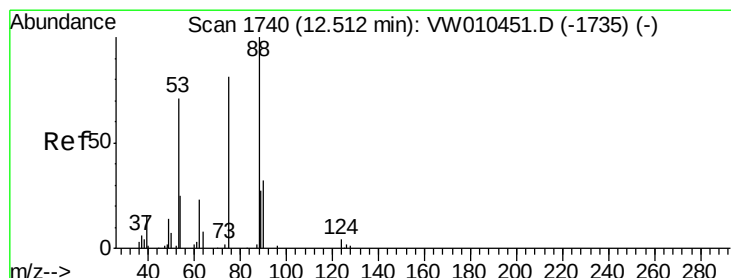
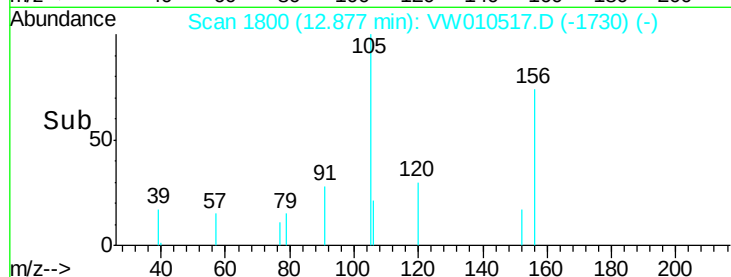
12.88

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 124.900 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010517.D

Acq: 22 May 2019 18:18

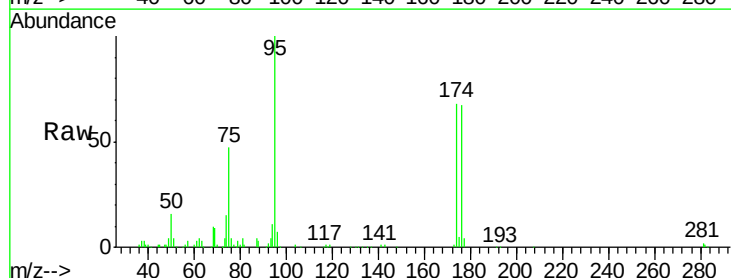
Tgt Ion: 75 Resp: 29203

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.62

20000

15000

10000

5000

0

Time-->

