

Data File : VW011177.D
Acq On : 09 Jul 2019 14:20
Operator : SY/VA
Sample : K3694-01
Misc : 3.10G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GC-SOIL-PILE

Quant Time: Jul 10 04:30:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 07:16:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127210	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.88	113	103749	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.32	98	420523	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	125514	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	

Target Compounds

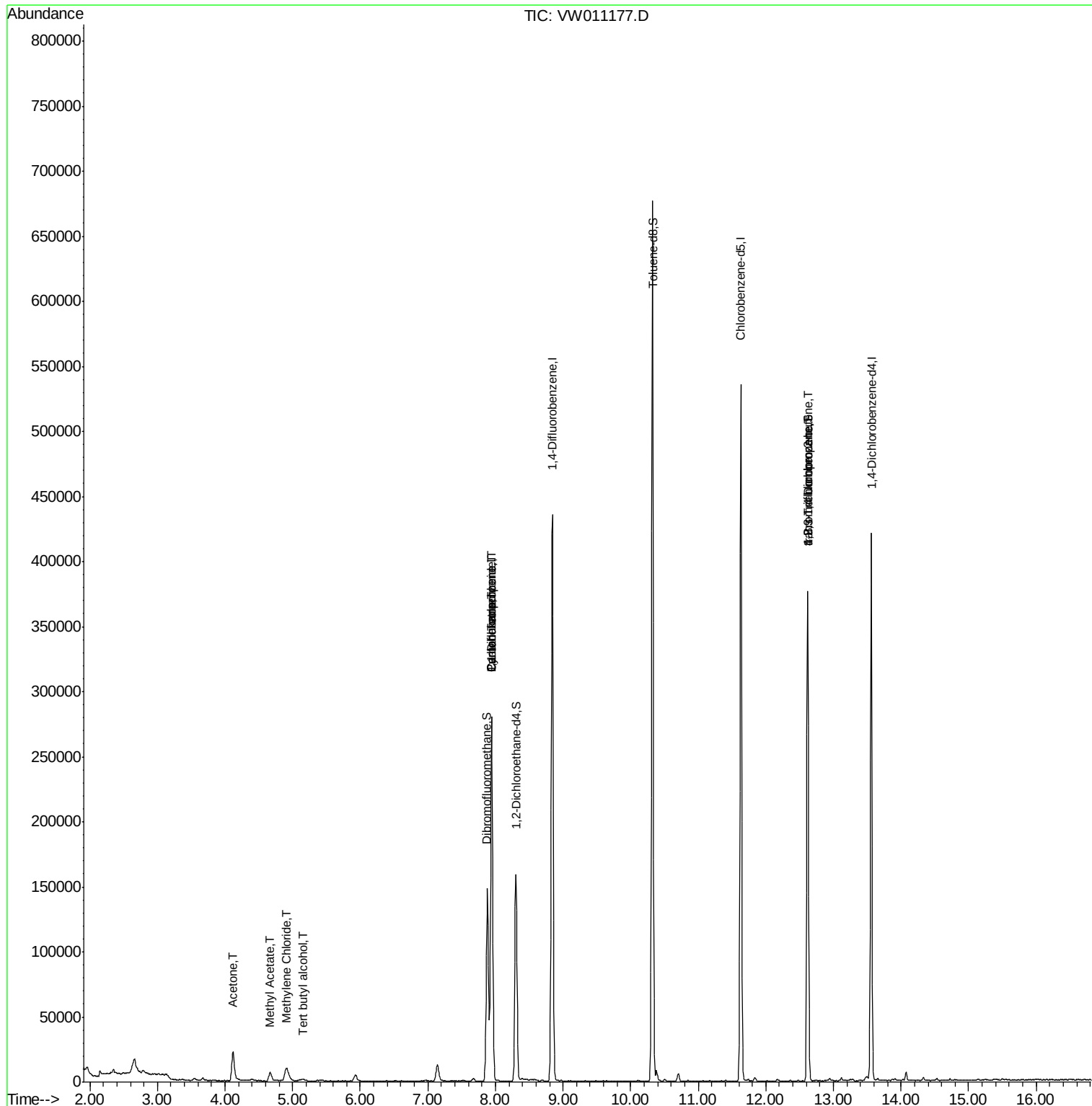
						Qvalue
11) Tert butyl alcohol	5.17	59	194	1.030	ug/l #	70
16) Acetone	4.12	43	41219	67.328	ug/l	99
18) Methyl Acetate	4.67	43	12722	6.066	ug/l	99
20) Methylene Chloride	4.91	84	8321	3.445	ug/l	92
31) Cyclohexane	7.95	56	5420	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18101	5.014	ug/l #	50
38) Carbon Tetrachloride	7.94	117	20086	6.563	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	66118	57.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66118	129.920	ug/l #	6

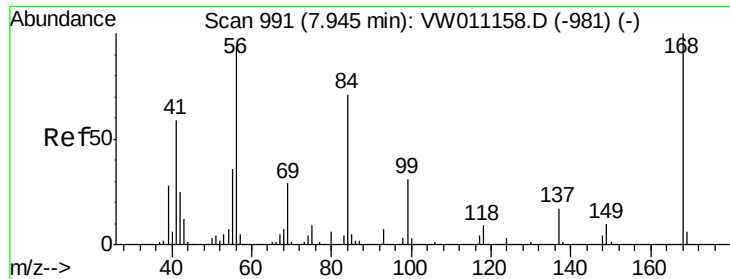
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011177.D

Acq: 09 Jul 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

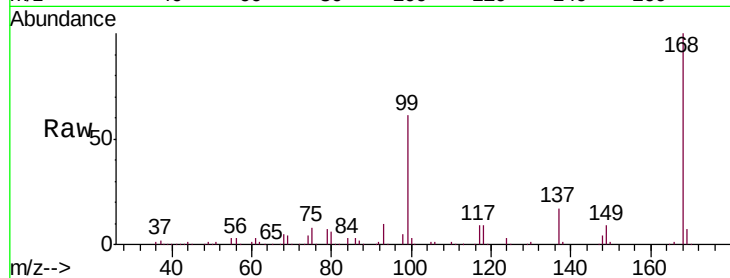
GC-SOIL-PILE

Tgt Ion: 168 Resp: 202492

Ion Ratio Lower Upper

168 100

99 60.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

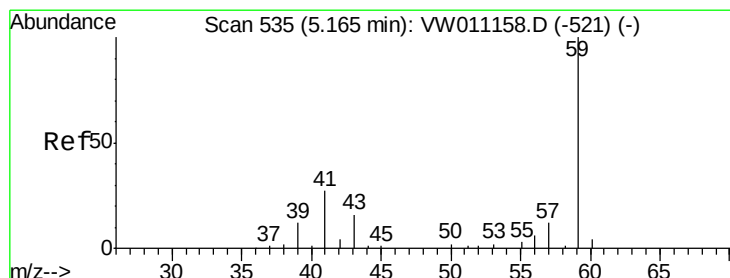
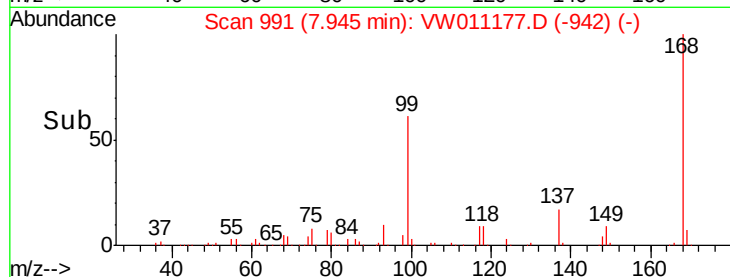
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.030 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011177.D

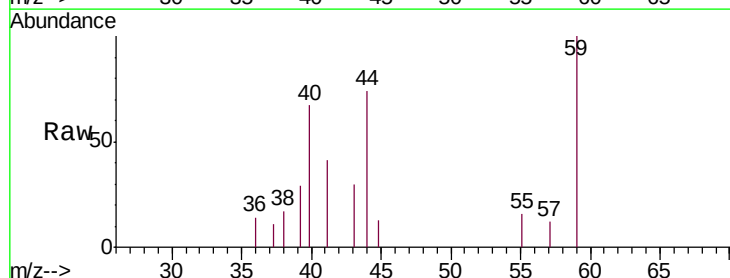
Acq: 09 Jul 2019 14:20

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

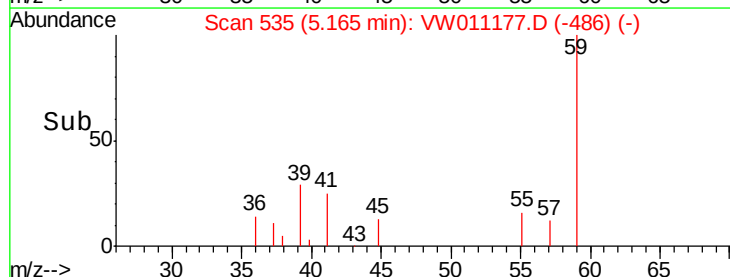
300

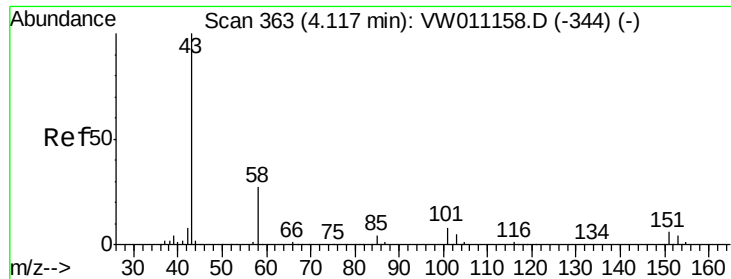
200

100

0

Time-->





#16

Acetone

Concen: 67.328 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011177.D

Acq: 09 Jul 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

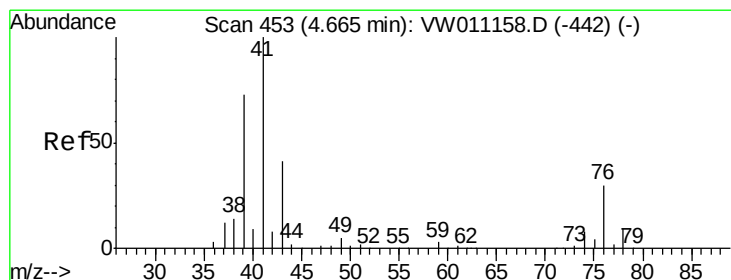
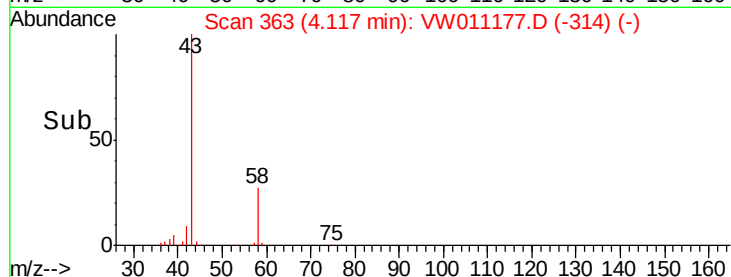
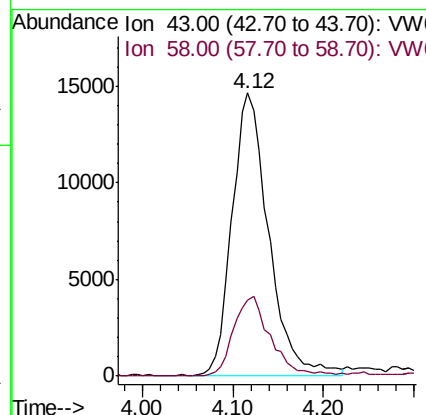
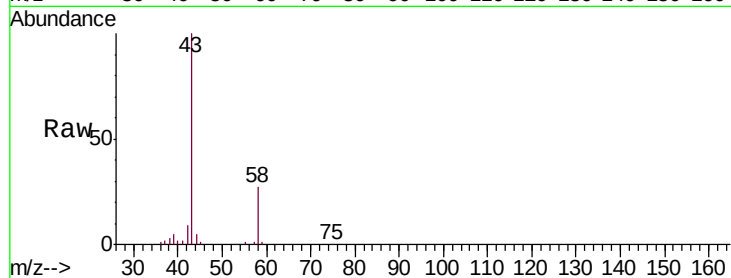
GC-SOIL-PILE

Tgt Ion: 43 Resp: 41219

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6



#18

Methyl Acetate

Concen: 6.066 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011177.D

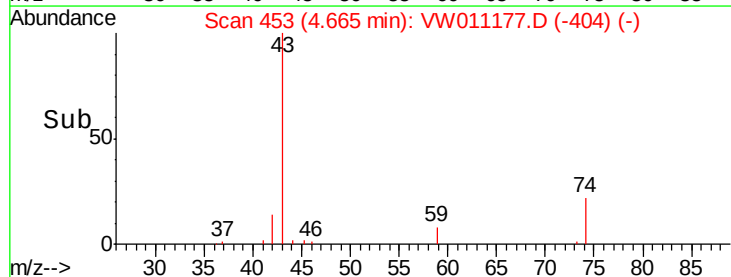
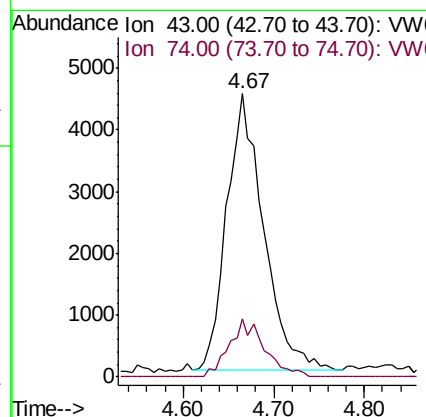
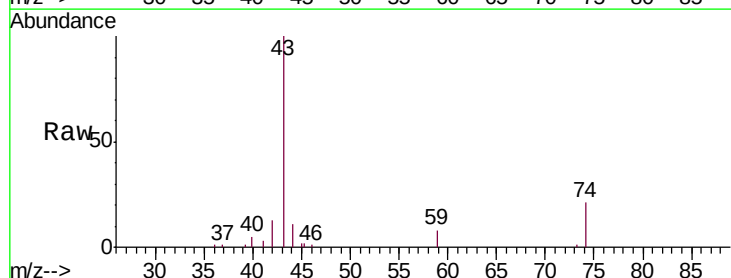
Acq: 09 Jul 2019 14:20

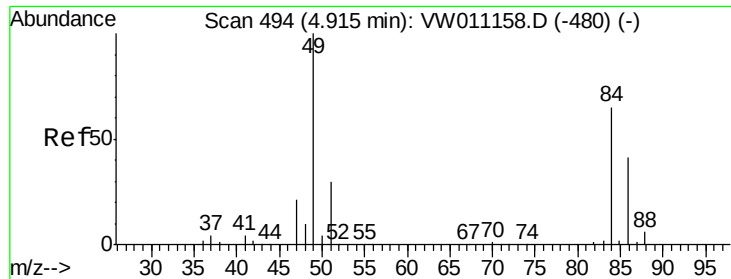
Tgt Ion: 43 Resp: 12722

Ion Ratio Lower Upper

43 100

74 19.9 15.7 23.5

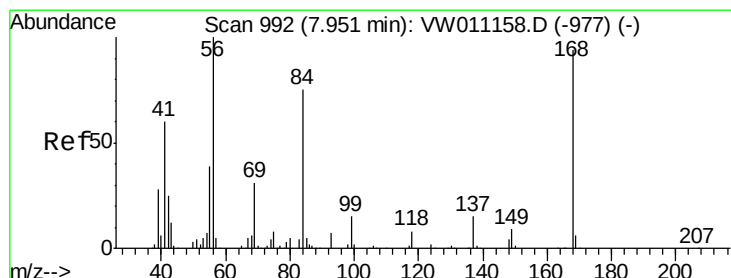
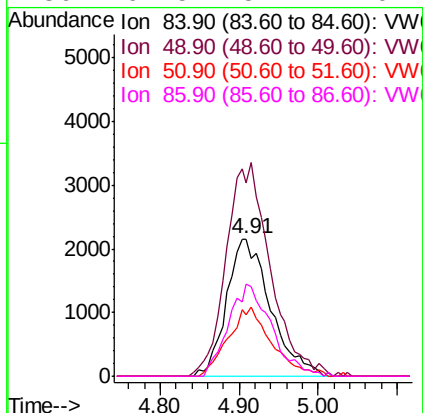
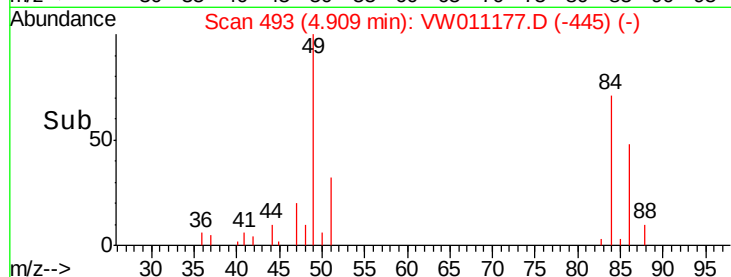
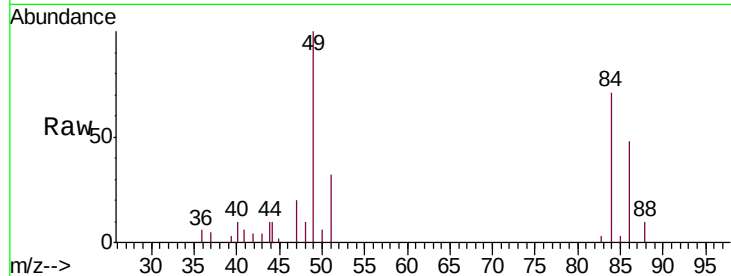




#20
Methylene Chloride
Concen: 3.445 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011177.D
Acq: 09 Jul 2019 14:20

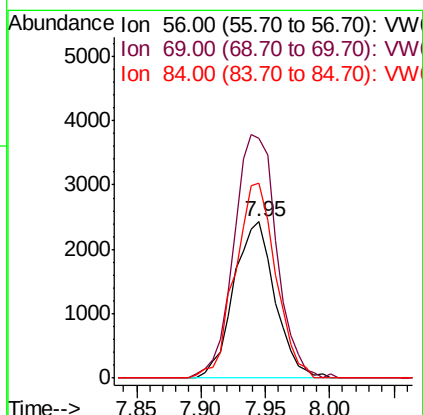
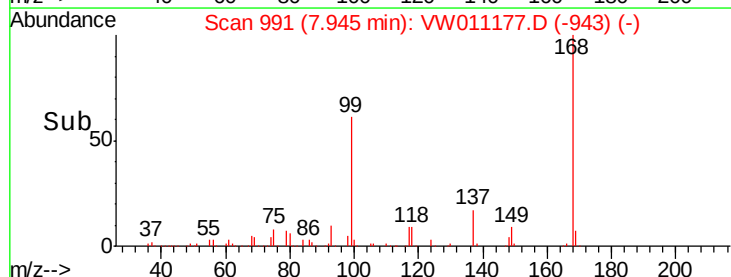
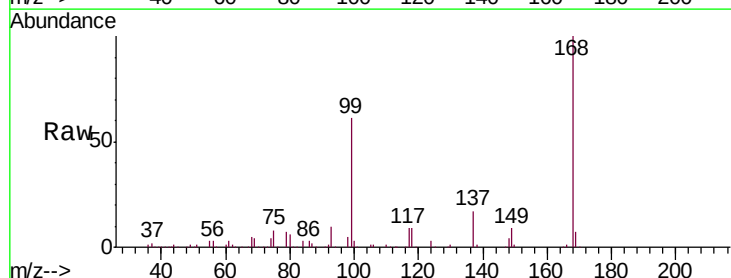
Instrument :
MSVOA_W
ClientSampleId :
GC-SOIL-PILE

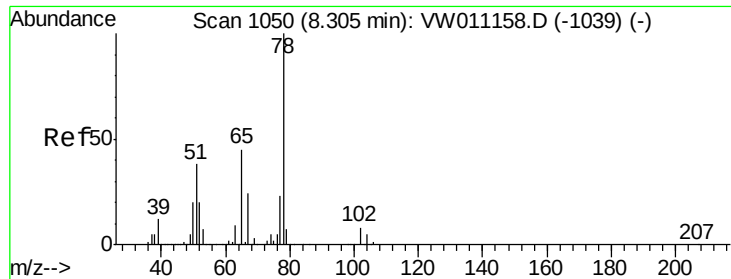
Tgt Ion:	84	Resp:	8321
Ion	Ratio	Lower	Upper
84	100		
49	140.6	123.8	185.6
51	44.4	37.4	56.2
86	67.5	51.1	76.7



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011177.D
Acq: 09 Jul 2019 14:20

Tgt Ion:	56	Resp:	5420
Ion	Ratio	Lower	Upper
56	100		
69	153.5	24.6	36.8#
84	124.8	60.1	90.1#

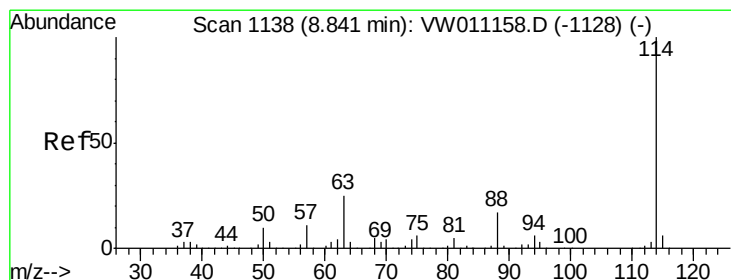
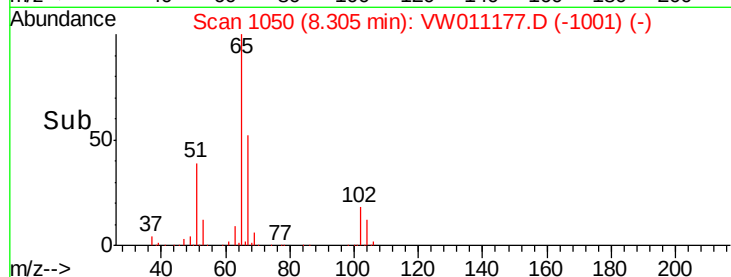
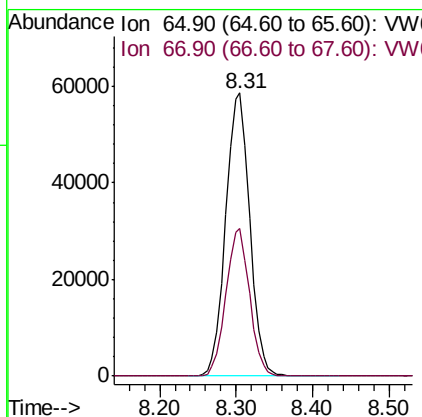
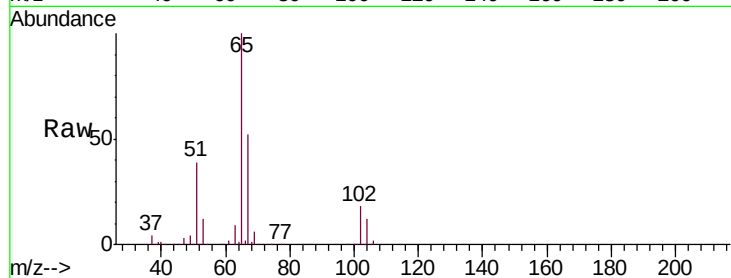




#33
 1,2-Dichloroethane-d4
 Concen: 49.996 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011177.D
 Acq: 09 Jul 2019 14:20

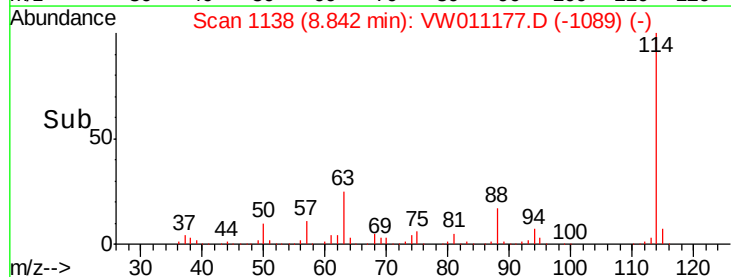
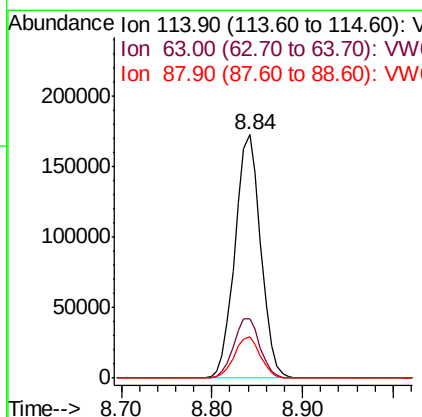
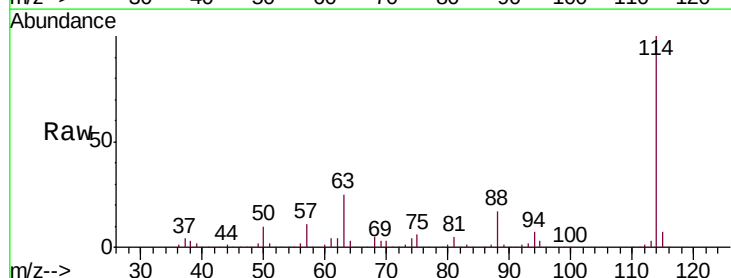
Instrument :
 MSVOA_W
 ClientSampleId :
 GC-SOIL-PILE

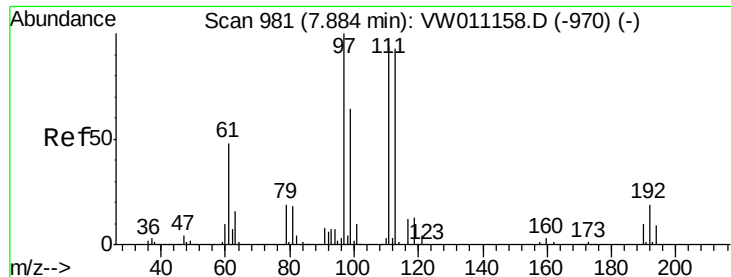
Tgt Ion: 65 Resp: 127210
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011177.D
 Acq: 09 Jul 2019 14:20

Tgt Ion: 114 Resp: 339026
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 17.2 0.0 34.2

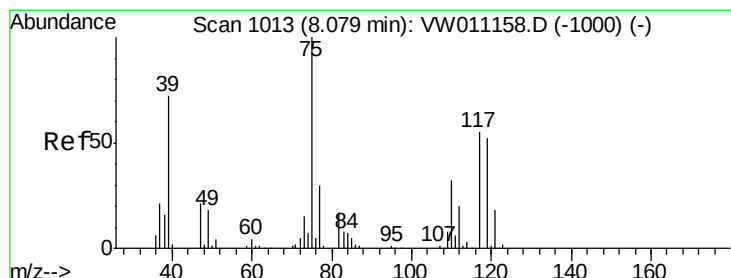
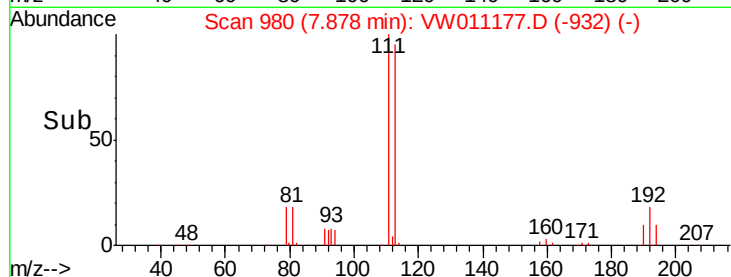
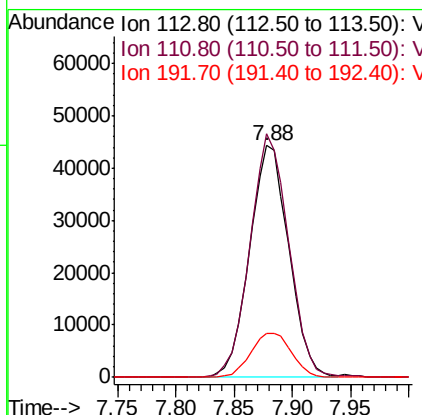
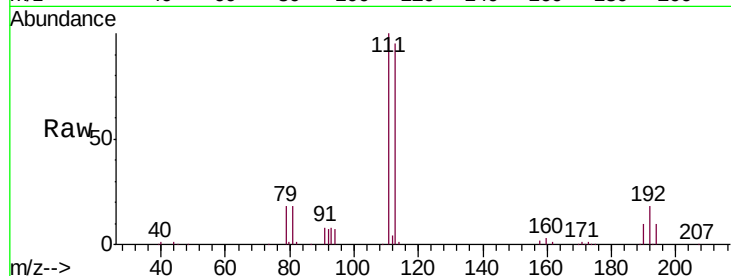




#35
 Dibromofluoromethane
 Concen: 51.342 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011177.D
 Acq: 09 Jul 2019 14:20

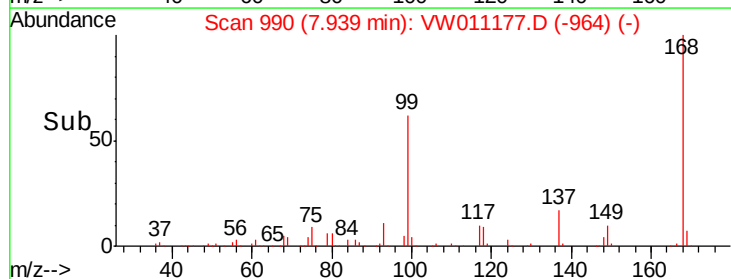
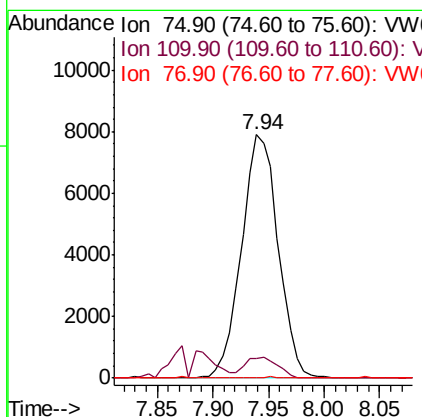
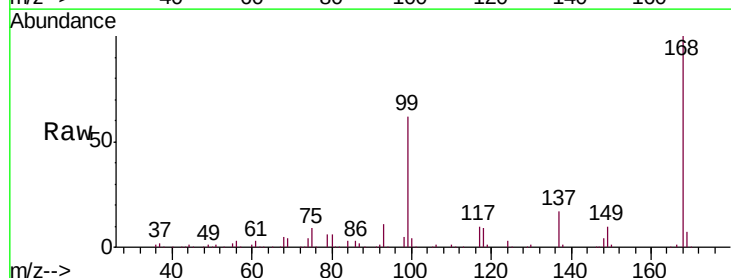
Instrument :
 MSVOA_W
 ClientSampleId :
 GC-SOIL-PILE

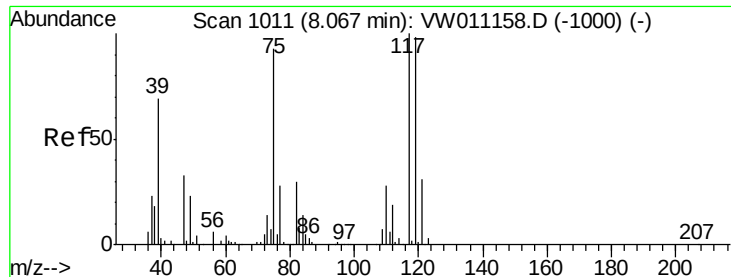
Tgt Ion:113 Resp: 103749
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011177.D
 Acq: 09 Jul 2019 14:20

Tgt Ion: 75 Resp: 18101
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.9 47.6#
 77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.563 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011177.D

Acq: 09 Jul 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

GC-SOIL-PILE

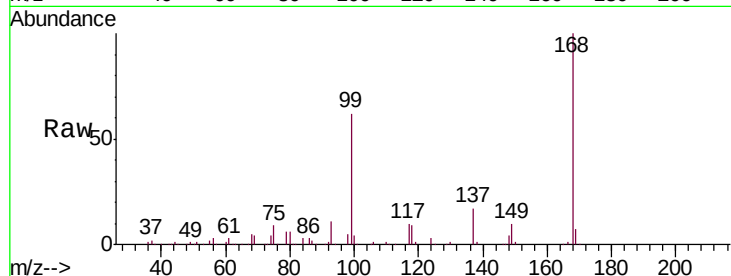
Tgt Ion:117 Resp: 20086

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

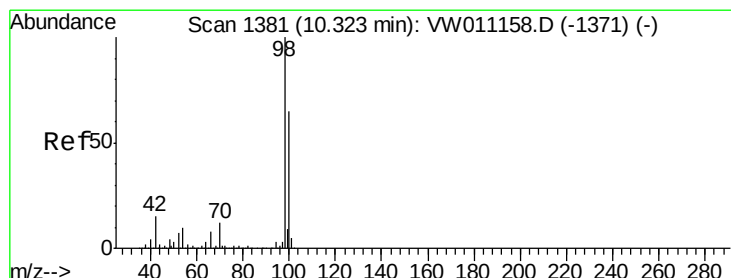
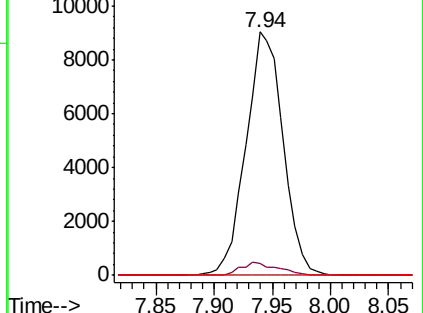
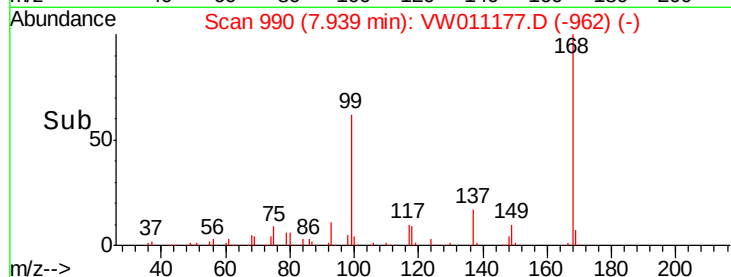
121 0.0 25.1 37.7#



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: 51.483 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011177.D

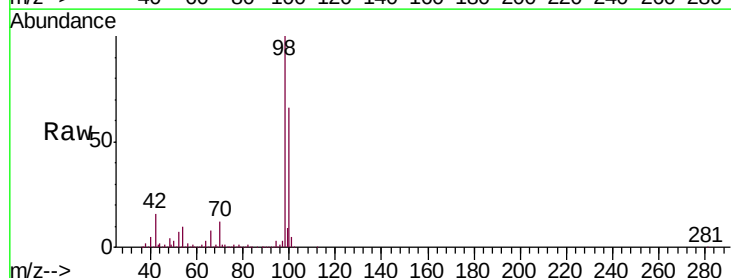
Acq: 09 Jul 2019 14:20

Tgt Ion: 98 Resp: 420523

Ion Ratio Lower Upper

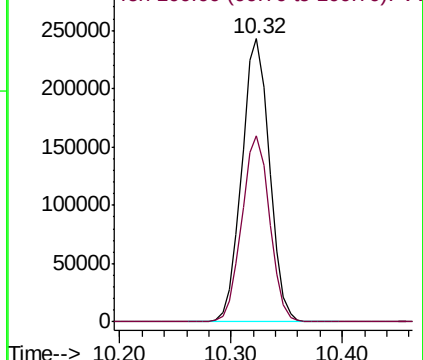
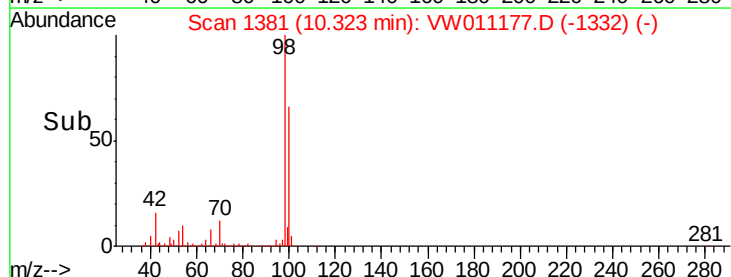
98 100

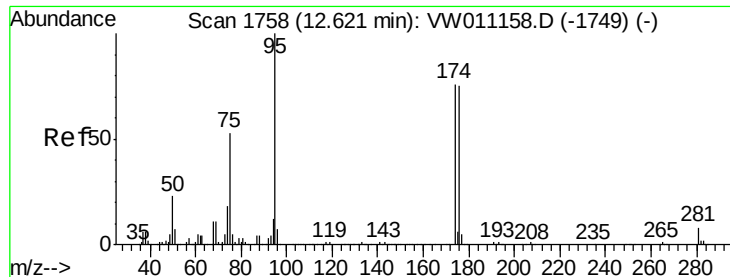
100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

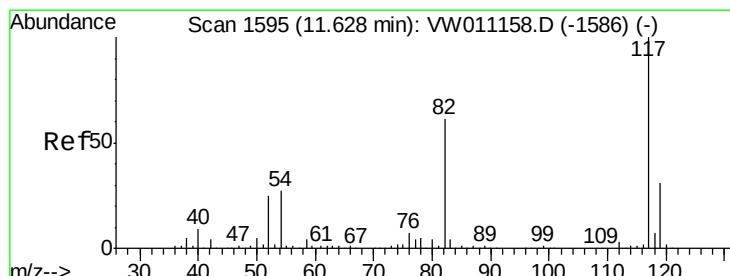
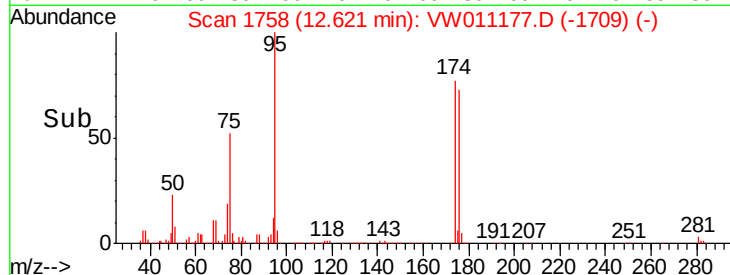
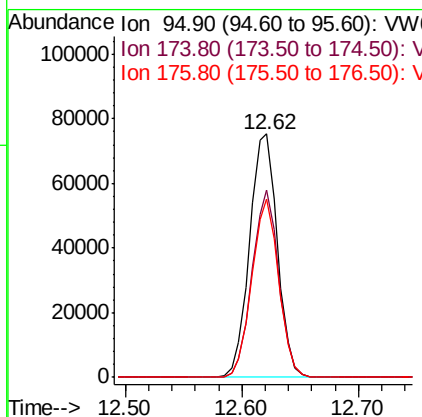
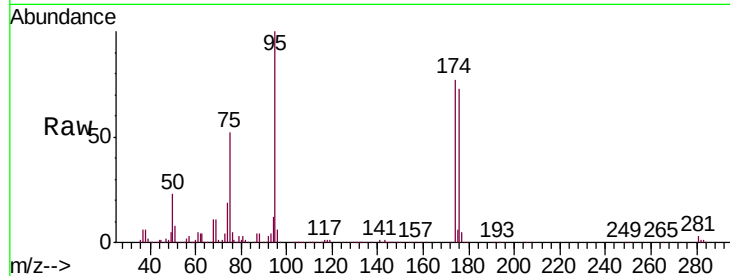




#62
4-Bromofluorobenzene
Concen: 41.923 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011177.D
Acq: 09 Jul 2019 14:20

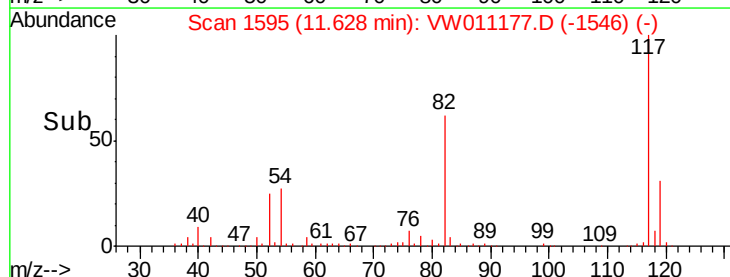
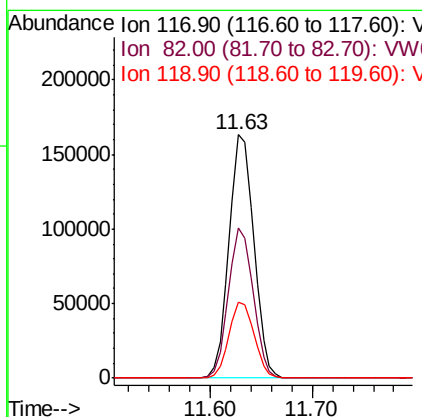
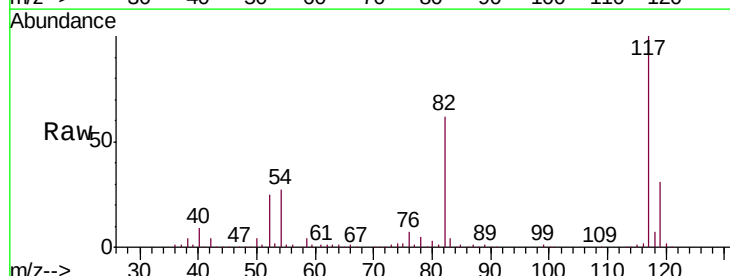
Instrument :
MSVOA_W
ClientSampleId :
GC-SOIL-PILE

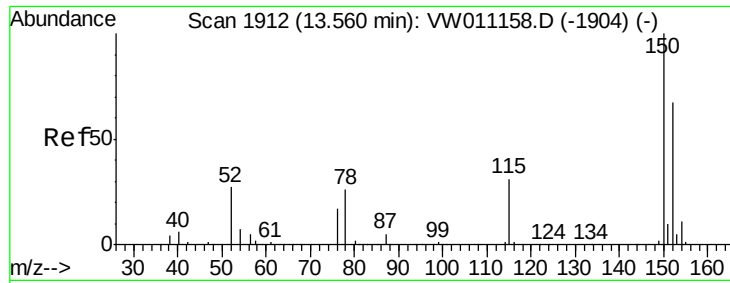
Tgt Ion: 95 Resp: 125514
Ion Ratio Lower Upper
95 100
174 73.6 0.0 147.6
176 70.6 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011177.D
Acq: 09 Jul 2019 14:20

Tgt Ion: 117 Resp: 275182
Ion Ratio Lower Upper
117 100
82 61.9 48.9 73.3
119 31.0 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011177.D

Acq: 09 Jul 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

GC-SOIL-PILE

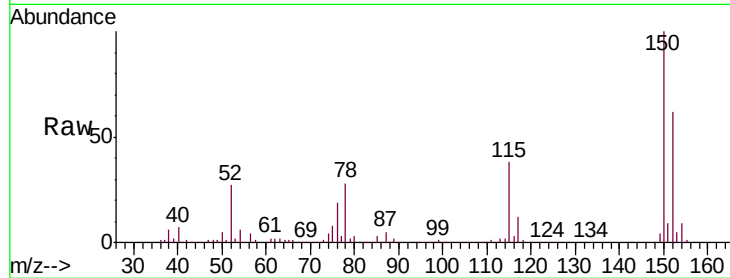
Tgt Ion:152 Resp: 99605

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

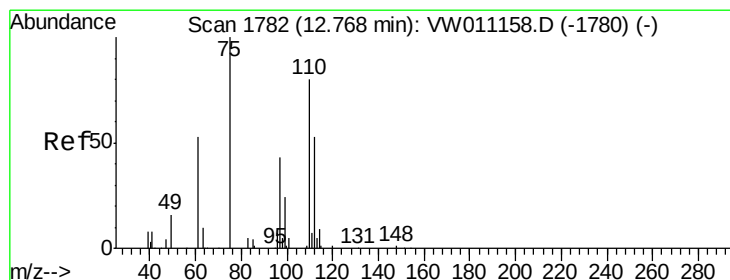
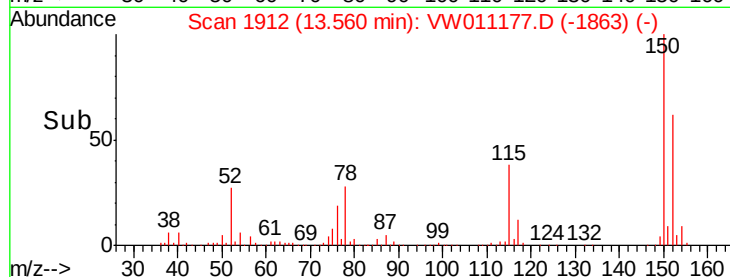
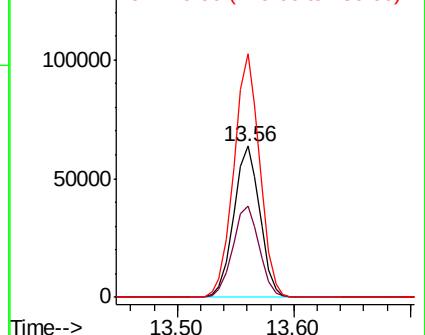
150 159.3 0.0 346.0



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: 57.441 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011177.D

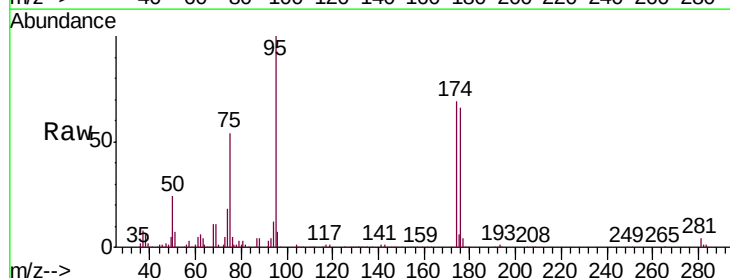
Acq: 09 Jul 2019 14:20

Tgt Ion: 75 Resp: 66118

Ion Ratio Lower Upper

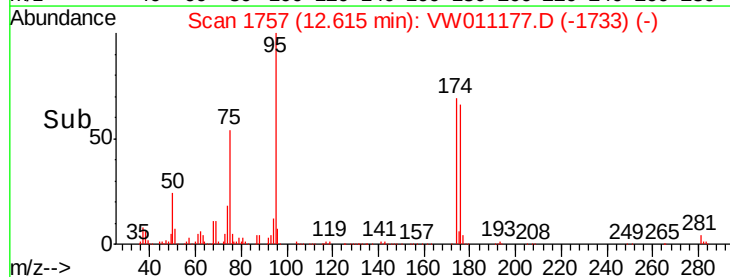
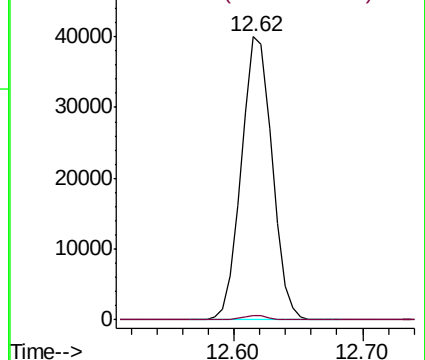
75 100

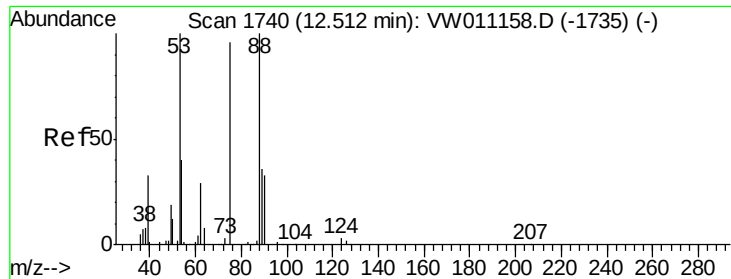
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 129.920 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011177.D

Acq: 09 Jul 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

GC-SOIL-PILE

Tgt Ion: 75 Resp: 66118

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.1 34.3 51.5#

