

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008492.D
 Acq On : 01 Feb 2019 19:57
 Operator : SY/VA
 Sample : K1312-01
 Misc : 5.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 02 00:47:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	321128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235450	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	166323	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
35) Dibromofluoromethane	7.88	113	159880	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.32	98	600212	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	228172	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

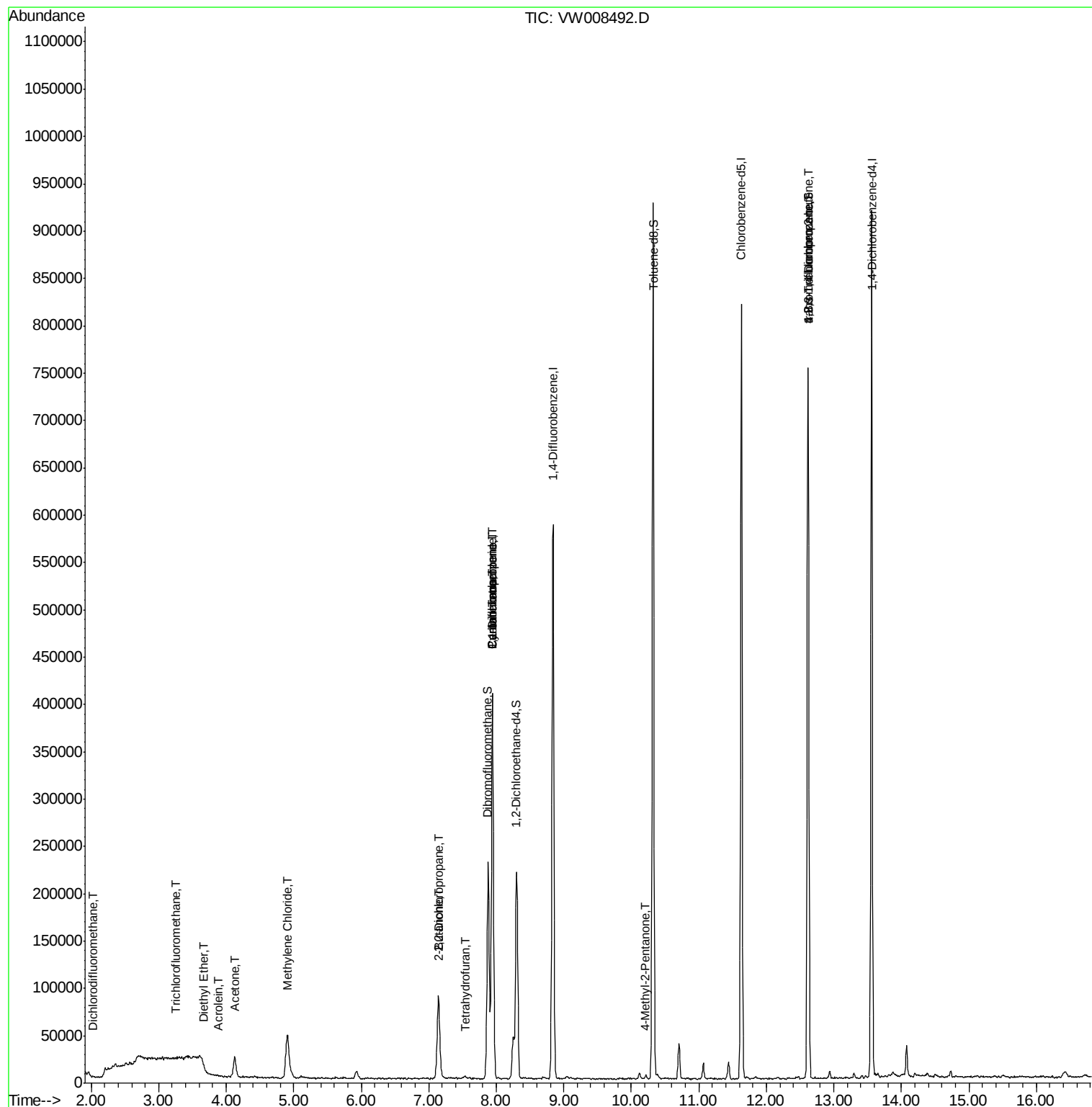
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.02	85	177	3.342	ug/l #	41
7) Trichlorofluoromethane	3.25	101	124	4.763	ug/l	93
8) Diethyl Ether	3.68	74	1613	1.007	ug/l	73
13) Acrolein	3.88	56	179	4.971	ug/l #	42
16) Acetone	4.13	43	40239	56.798	ug/l	99
20) Methylene Chloride	4.91	84	39295	12.034	ug/l	93
25) 2-Butanone	7.16	43	6576	6.683	ug/l #	74
26) 2,2-Dichloropropane	7.14	77	6343	1.567	ug/l #	56
29) Tetrahydrofuran	7.54	42	1576	2.527	ug/l #	85
31) Cyclohexane	7.94	56	6503	1.050	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	22896	4.761	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29687	6.134	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	3348	1.533	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	114212	55.793	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	114212	110.195	ug/l #	12

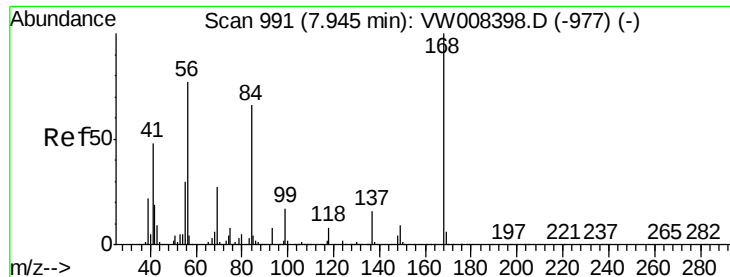
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008492.D

Acq: 01 Feb 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

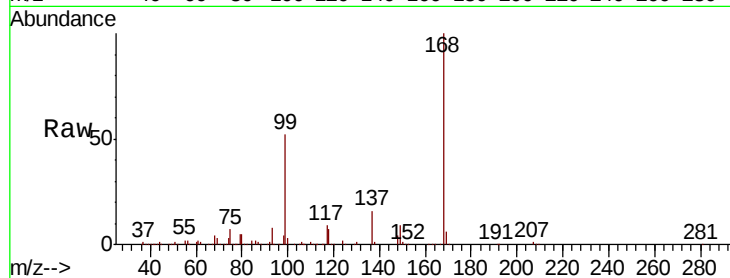
SOIL-PILE

Tgt Ion:168 Resp: 321128

Ion Ratio Lower Upper

168 100

99 52.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

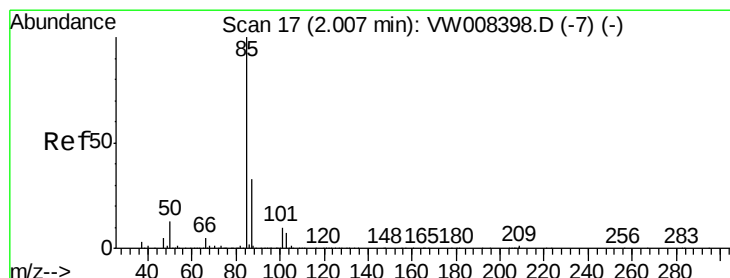
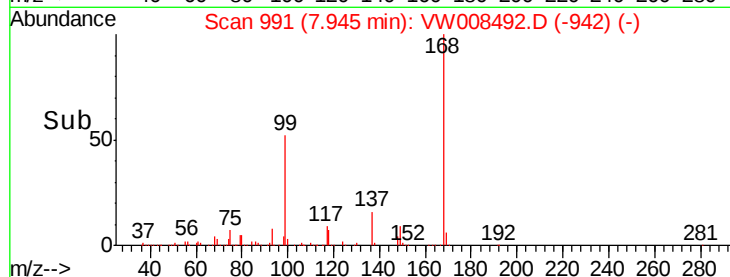
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.342 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008492.D

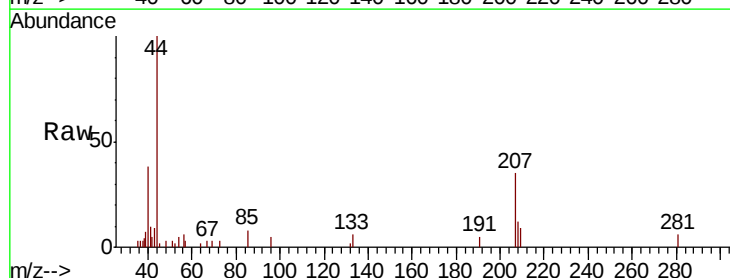
Acq: 01 Feb 2019 19:57

Tgt Ion: 85 Resp: 177

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

250

200

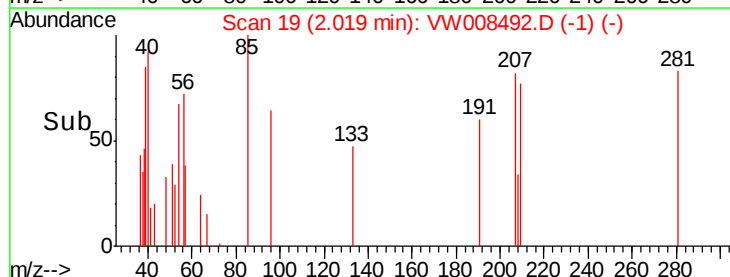
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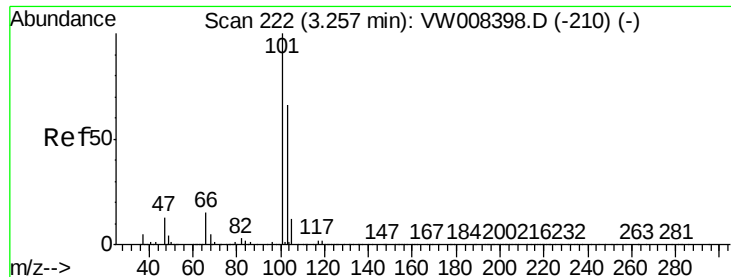
100

50

0

Time-->



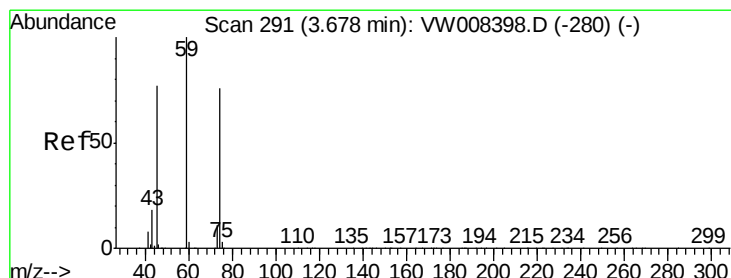
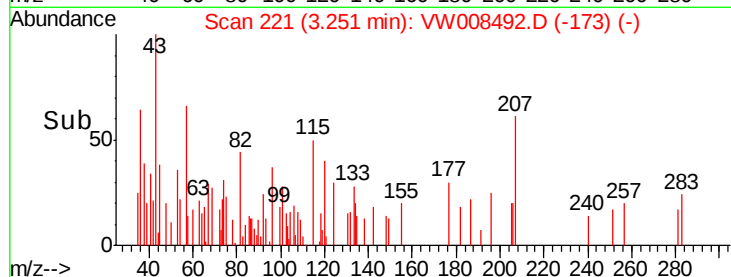
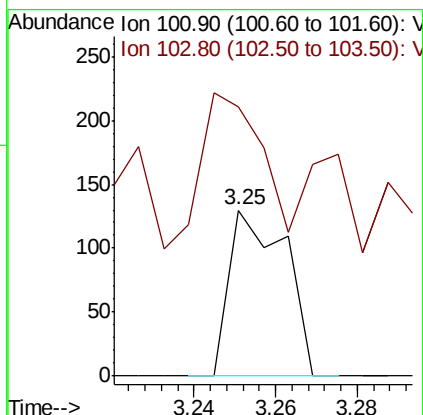
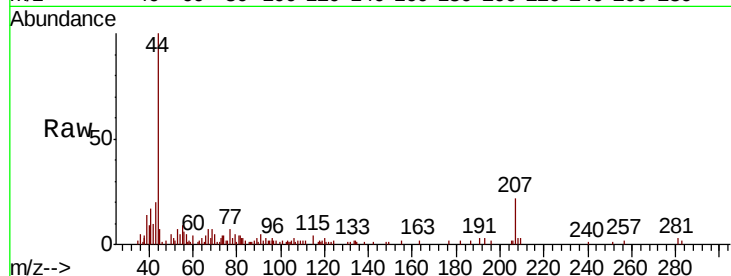


#7

Trichlorofluoromethane
Concen: 4.763 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Instrument :
MSVOA_W
ClientSampled :
SOIL-PILE

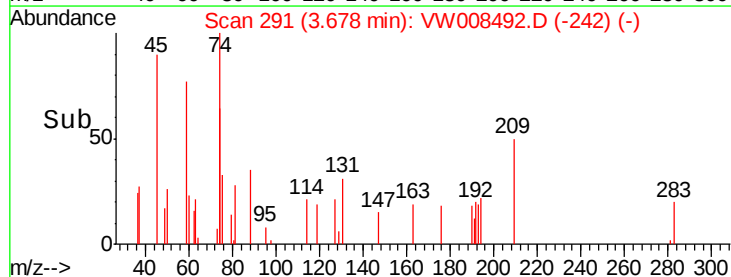
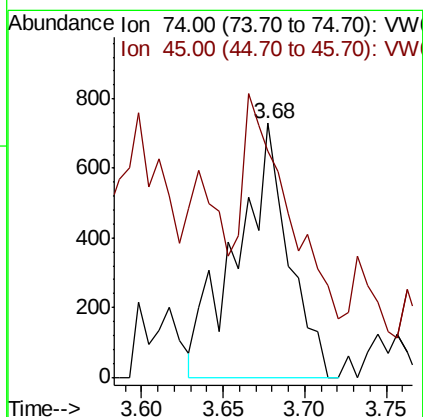
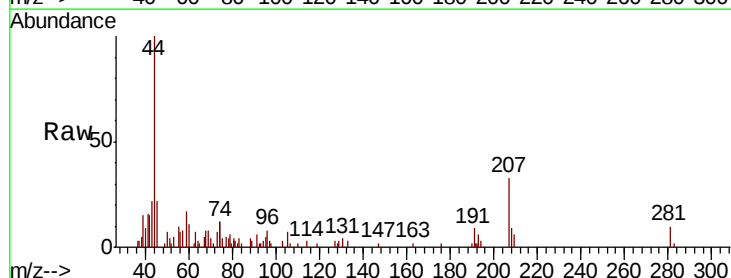
Tgt Ion:101 Resp: 124
Ion Ratio Lower Upper
101 100
103 71.5 52.5 78.7

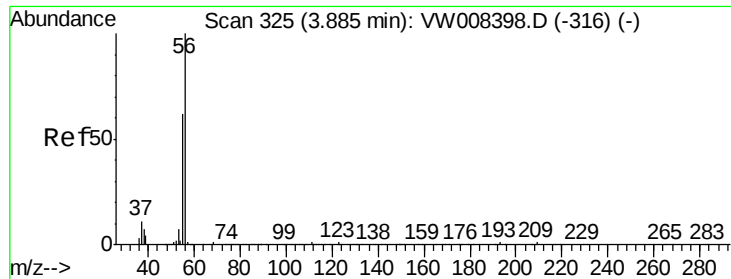


#8

Diethyl Ether
Concen: 1.007 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion: 74 Resp: 1613
Ion Ratio Lower Upper
74 100
45 75.9 51.7 155.2

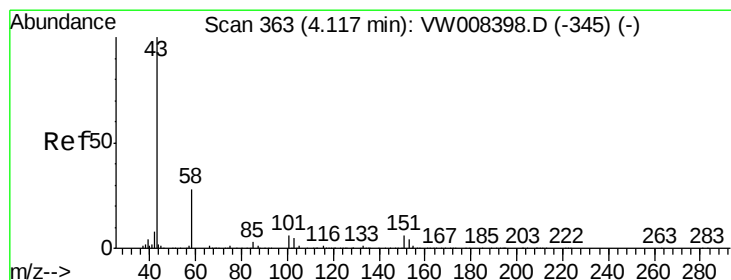
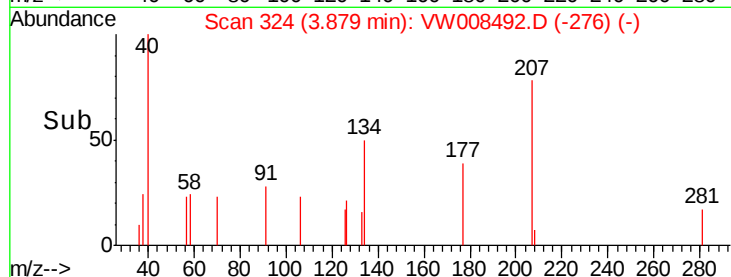
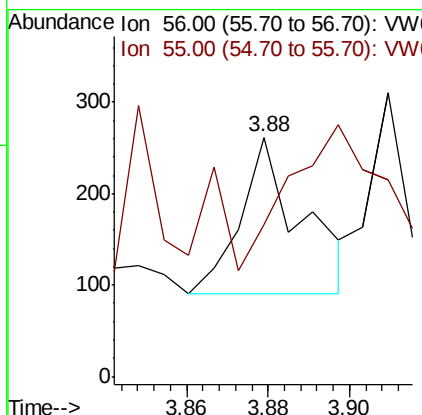
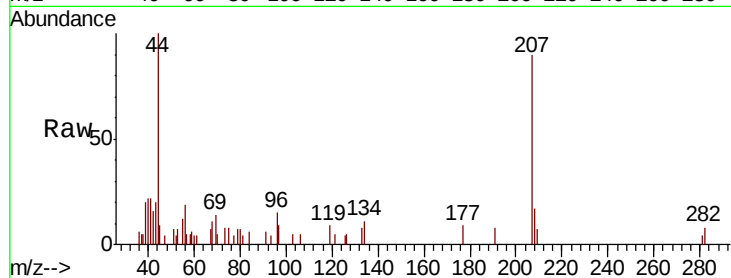




#13
Acrolein
Concen: 4.971 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

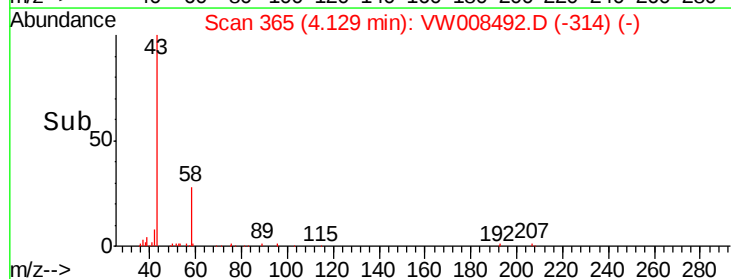
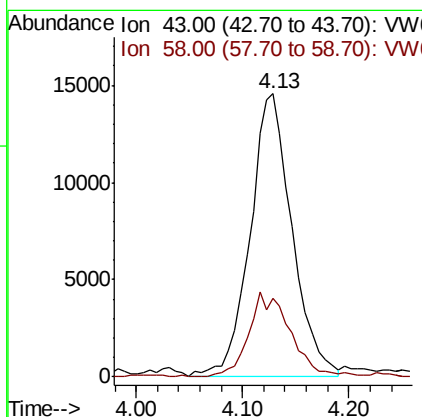
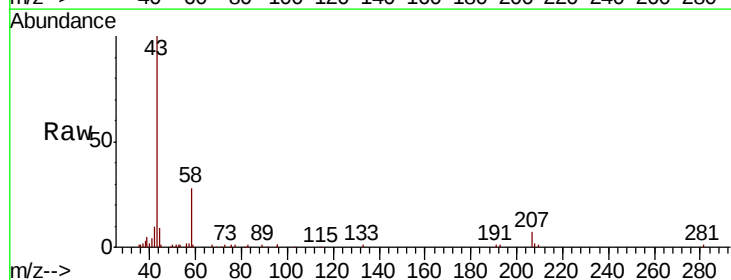
Instrument :
MSVOA_W
ClientSampled :
SOIL-PILE

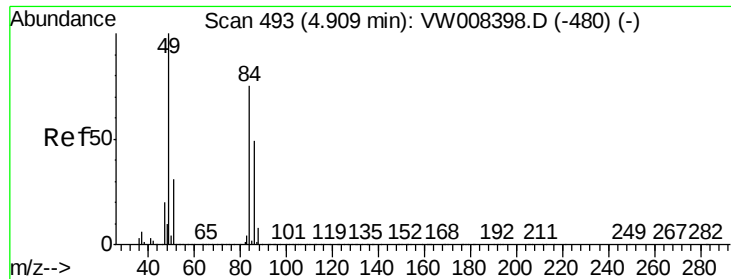
Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
55 22.9 56.7 85.1#



#16
Acetone
Concen: 56.798 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion: 43 Resp: 40239
Ion Ratio Lower Upper
43 100
58 27.8 22.6 34.0

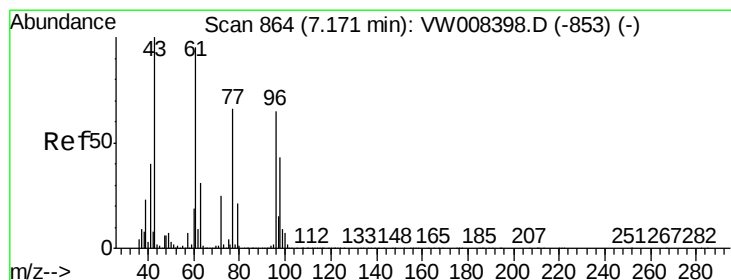
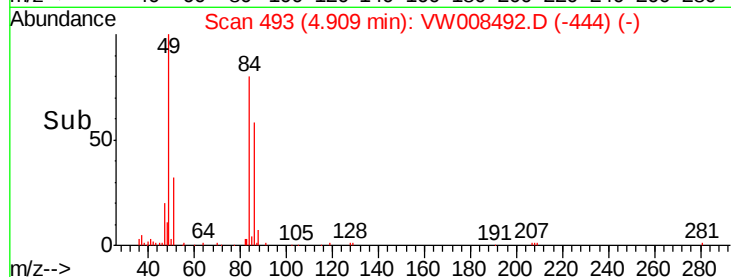
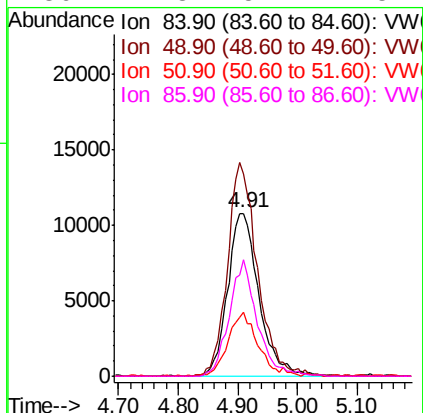
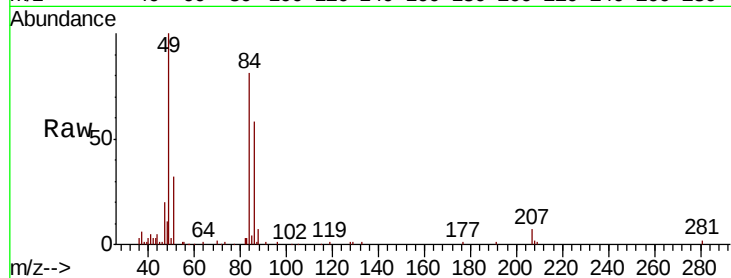




#20
Methylene Chloride
Concen: 12.034 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

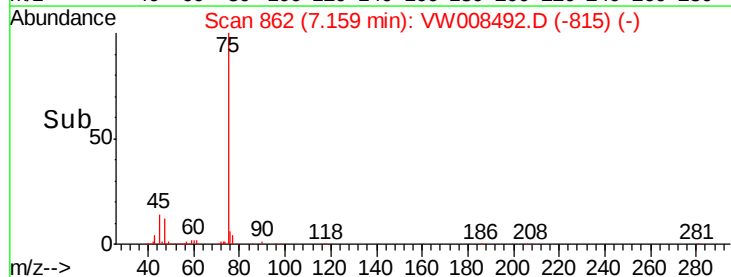
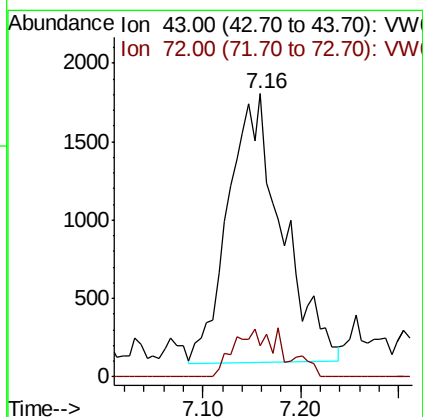
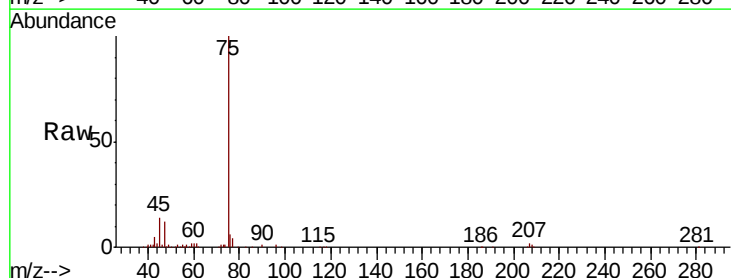
Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

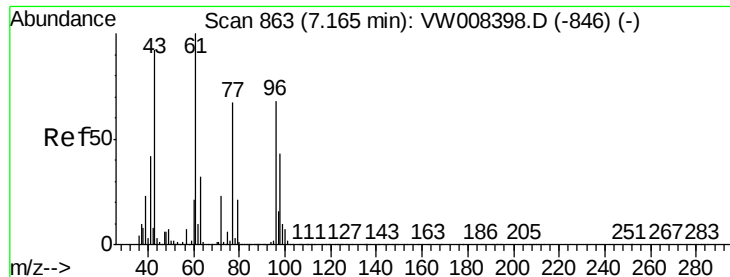
Tgt Ion:	84	Resp:	39295
Ion	Ratio	Lower	Upper
84	100		
49	123.8	106.8	160.2
51	39.0	32.9	49.3
86	71.8	52.2	78.2



#25
2-Butanone
Concen: 6.683 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion:	43	Resp:	6576
Ion	Ratio	Lower	Upper
43	100		
72	11.9	20.1	30.1#

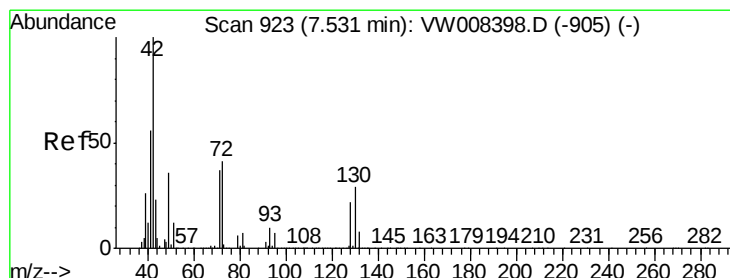
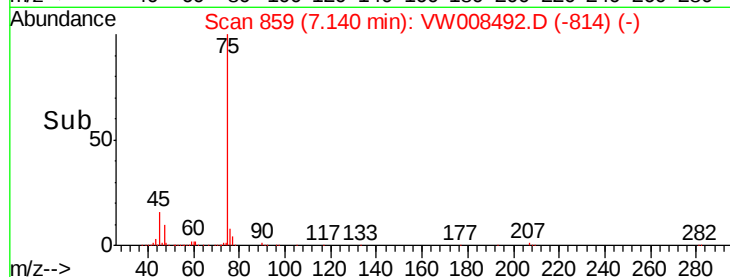
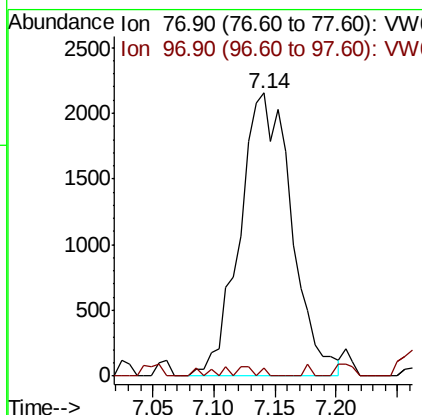
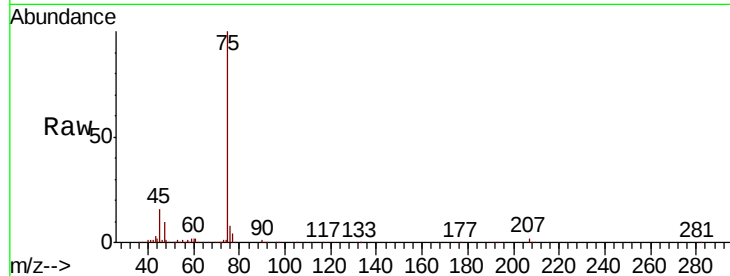




#26
 2,2-Dichloropropane
 Concen: 1.567 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW008492.D
 Acq: 01 Feb 2019 19:57

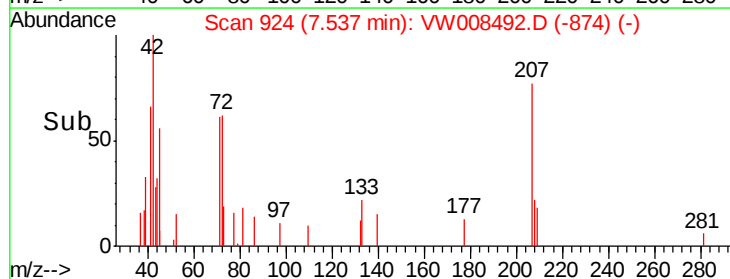
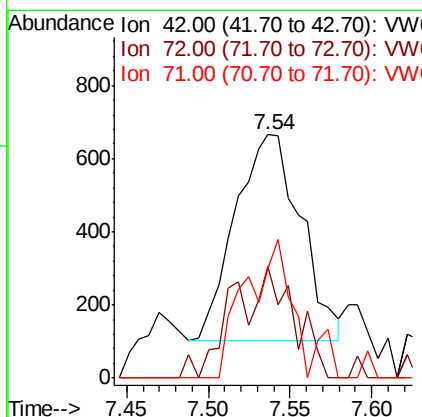
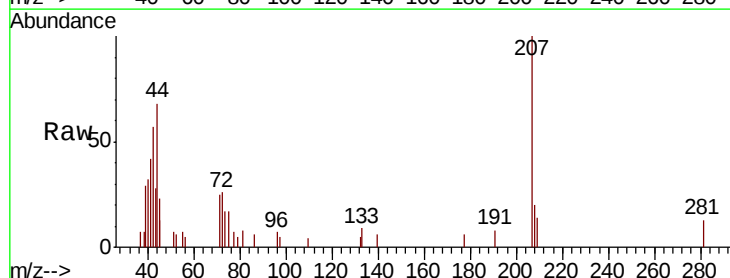
Instrument :
 MSVOA_W
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 SOIL-PILE

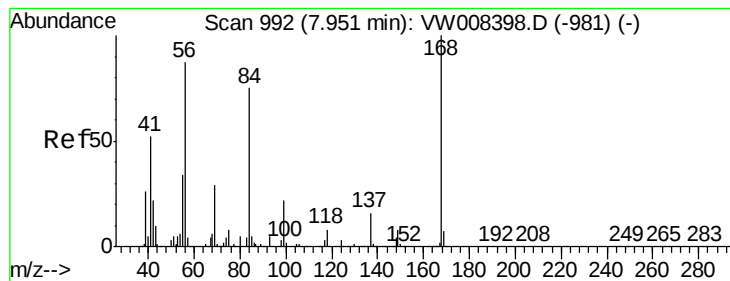
Tgt Ion: 77 Resp: 6343
 Ion Ratio Lower Upper
 77 100
 97 1.6 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 2.527 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW008492.D
 Acq: 01 Feb 2019 19:57

Tgt Ion: 42 Resp: 1576
 Ion Ratio Lower Upper
 42 100
 72 30.3 31.9 47.9#
 71 45.7 29.9 44.9#





#31

Cyclohexane

Concen: 1.050 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008492.D

Acq: 01 Feb 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILE

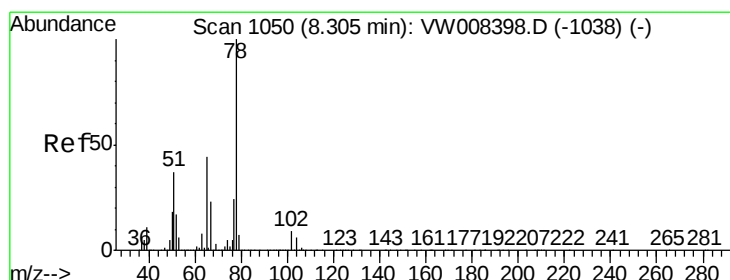
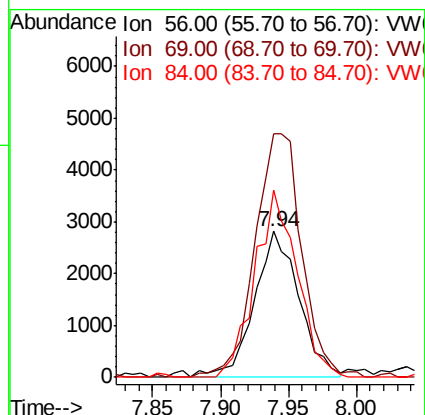
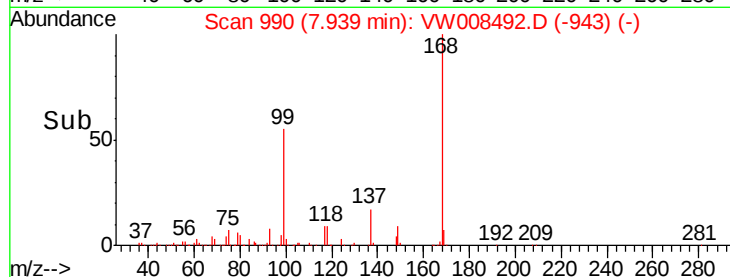
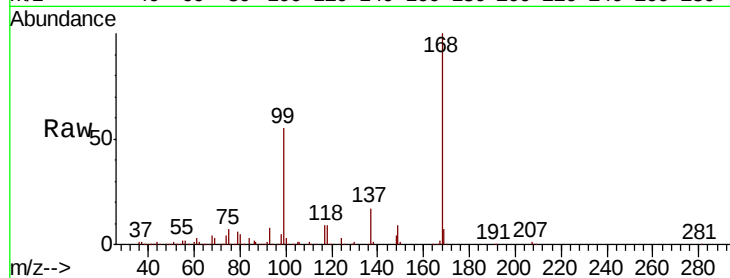
Tgt Ion: 56 Resp: 6503

Ion Ratio Lower Upper

56 100

69 166.7 26.4 39.6#

84 128.0 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 52.721 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008492.D

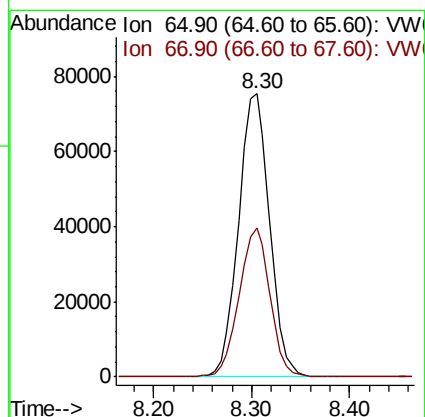
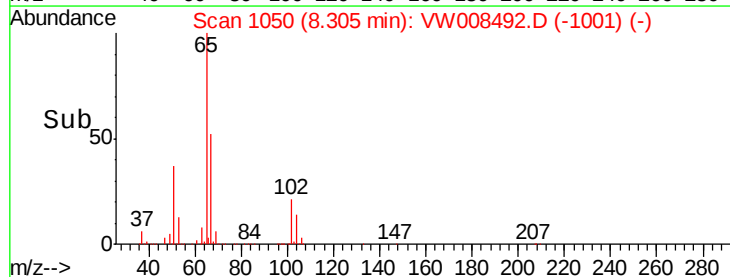
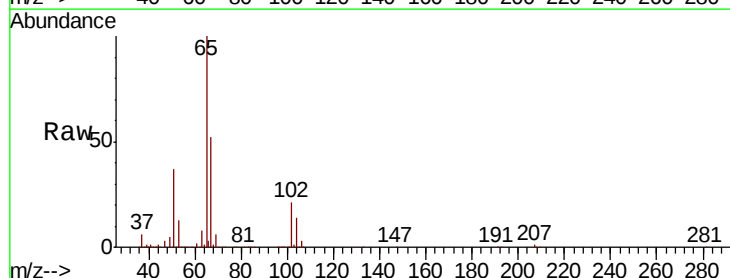
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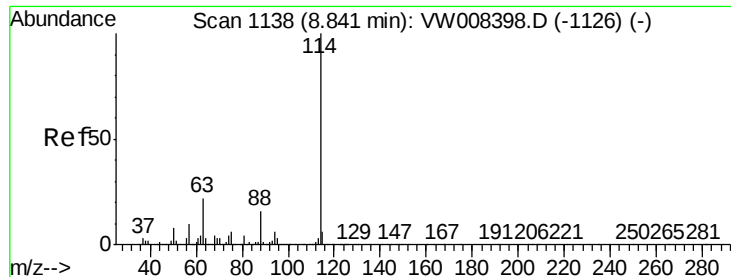
Tgt Ion: 65 Resp: 166323

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0

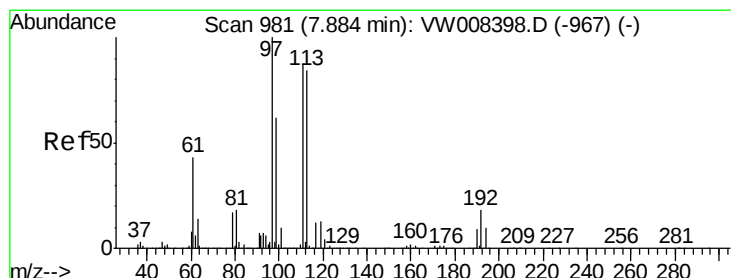
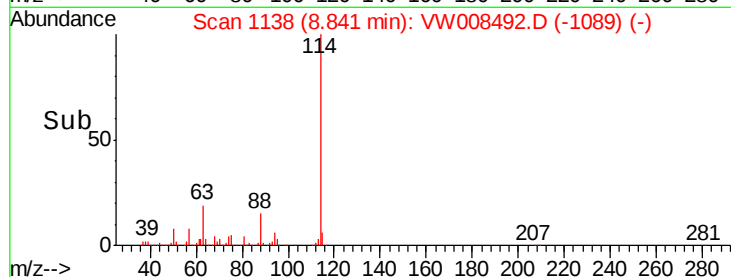
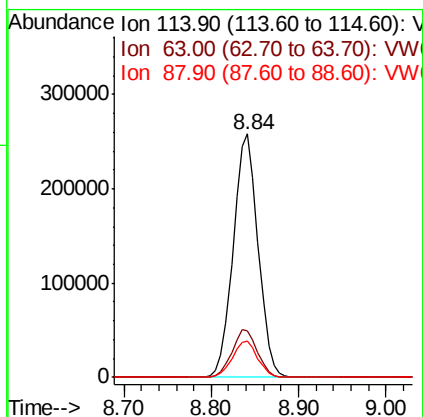
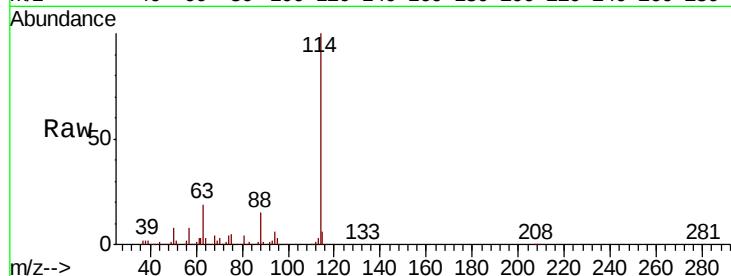




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

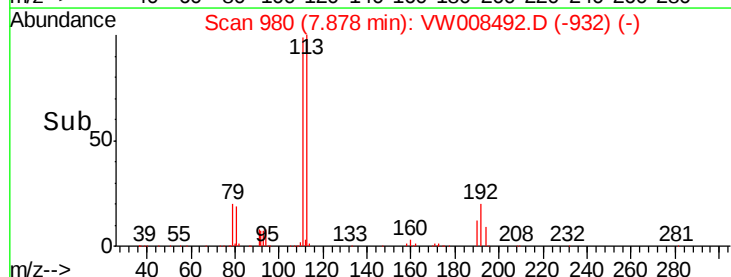
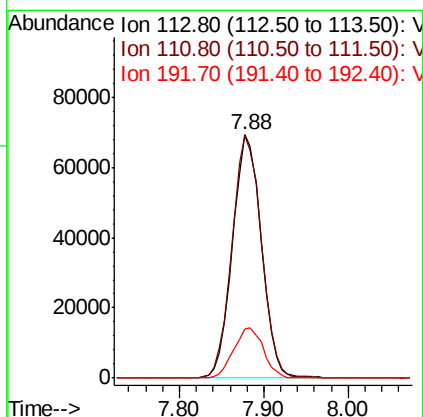
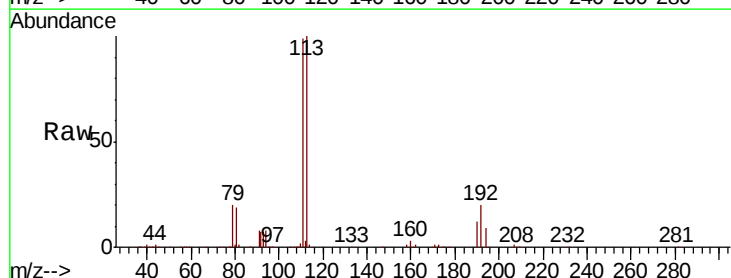
Instrument :
MSVOA_W
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SOIL-PILE

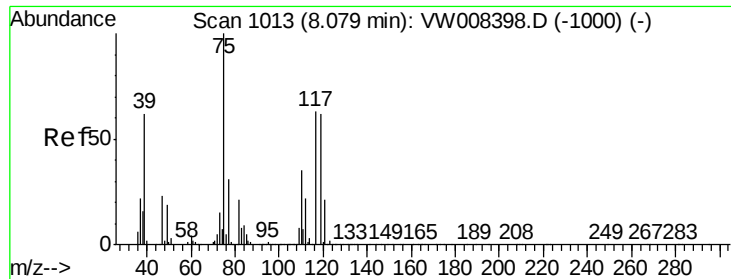
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	43.6
88	15.0	0.0	31.8



#35
Dibromofluoromethane
Concen: 53.705 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	21.5	16.8	25.2





#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008492.D

Acq: 01 Feb 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILE

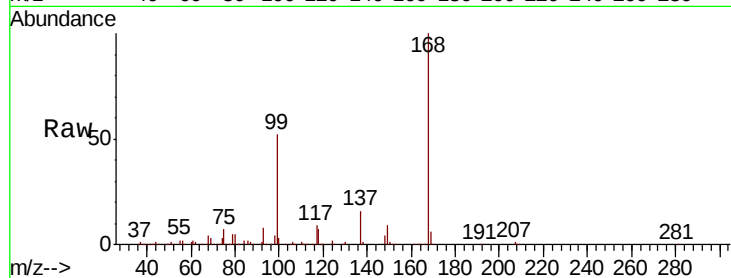
Tgt Ion: 75 Resp: 22896

Ion Ratio Lower Upper

75 100

110 9.8 17.3 52.0#

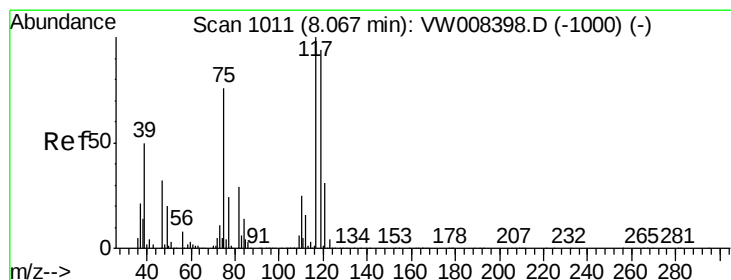
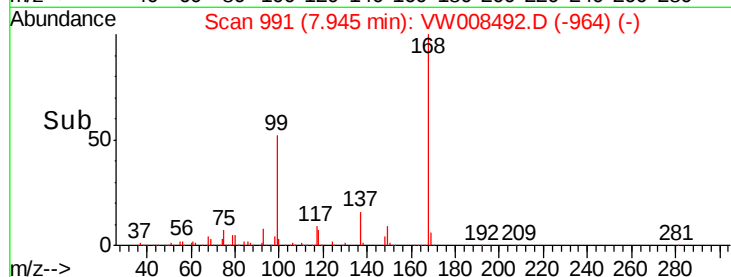
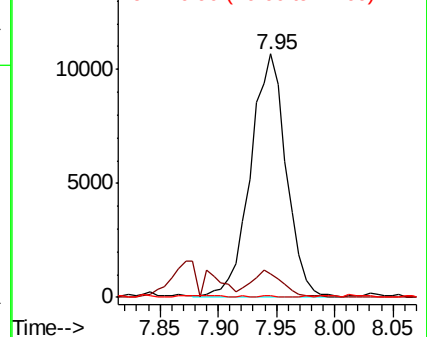
77 0.2 24.7 37.1#



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: 6.134 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008492.D

Acq: 01 Feb 2019 19:57

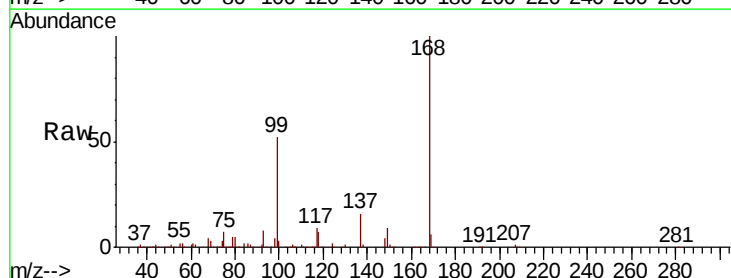
Tgt Ion: 117 Resp: 29687

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.4#

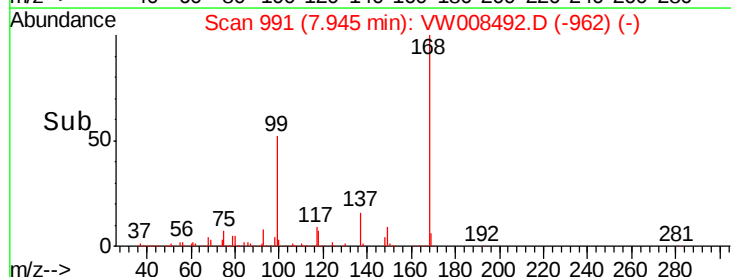
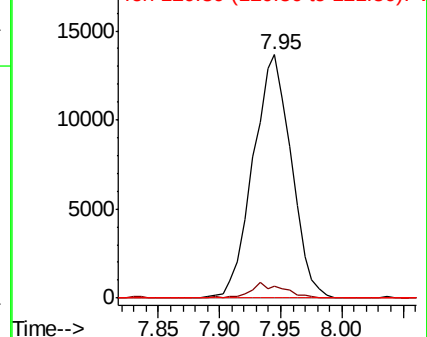
121 0.0 24.9 37.3#

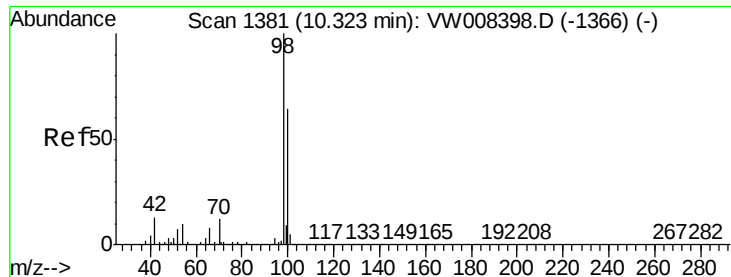


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.278 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008492.D

Acq: 01 Feb 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

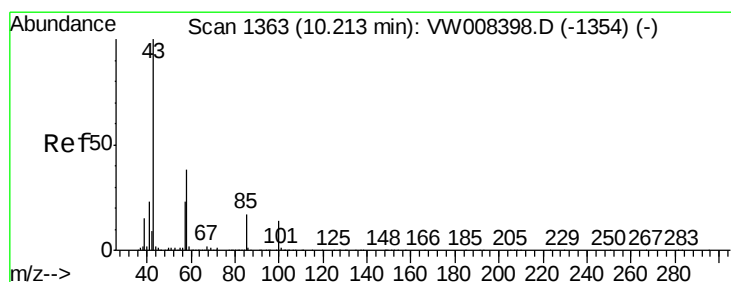
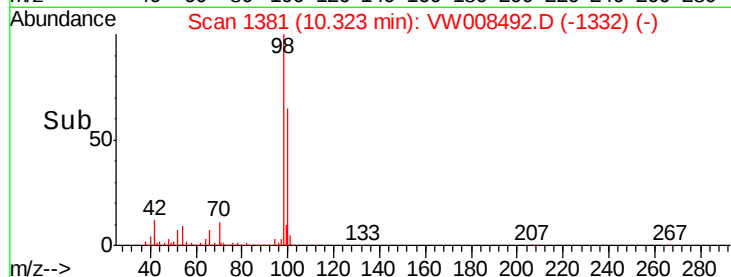
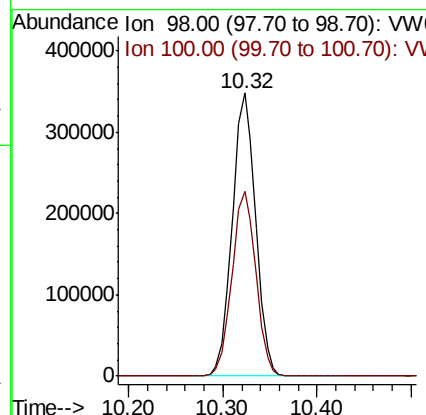
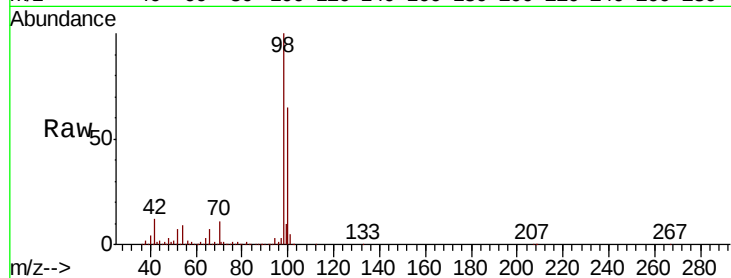
SOIL-PILE

Tgt Ion: 98 Resp: 600212

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.533 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008492.D

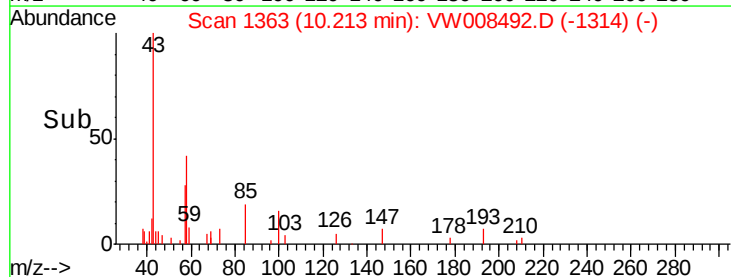
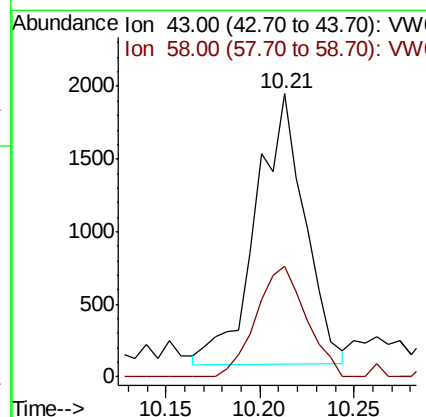
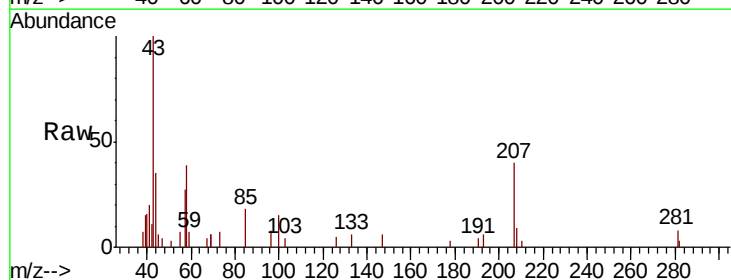
Acq: 01 Feb 2019 19:57

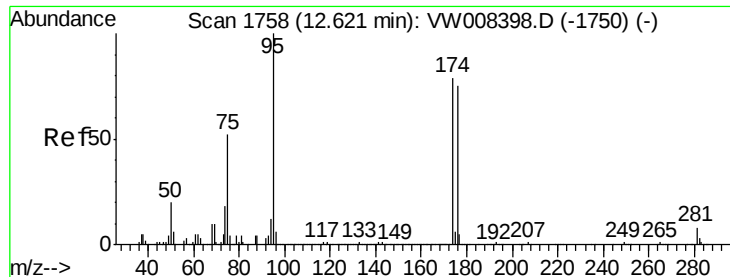
Tgt Ion: 43 Resp: 3348

Ion Ratio Lower Upper

43 100

58 41.8 29.7 44.5

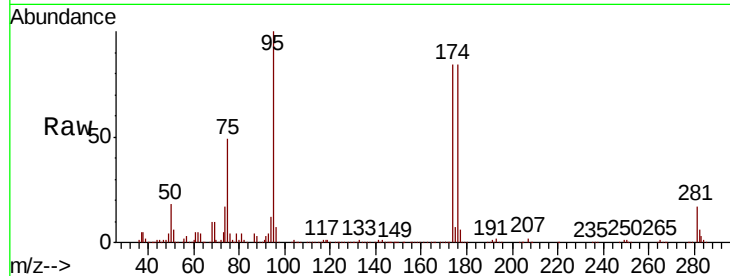




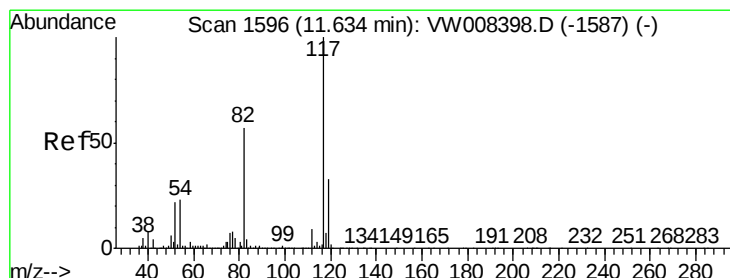
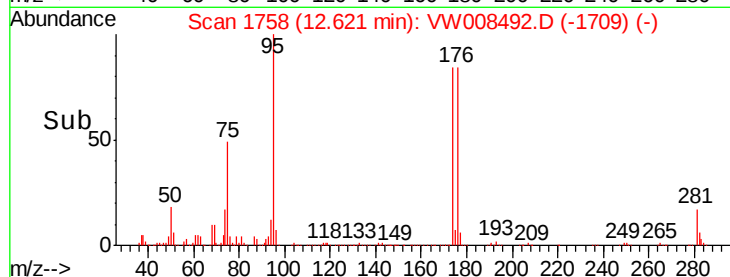
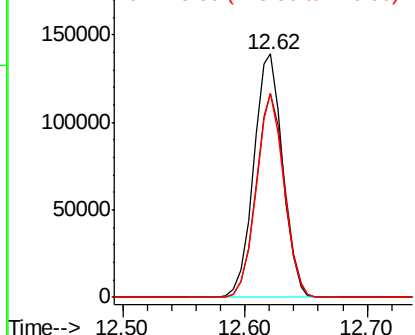
#62
4-Bromofluorobenzene
Concen: 49.725 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	157.6
176	80.8	0.0	151.8

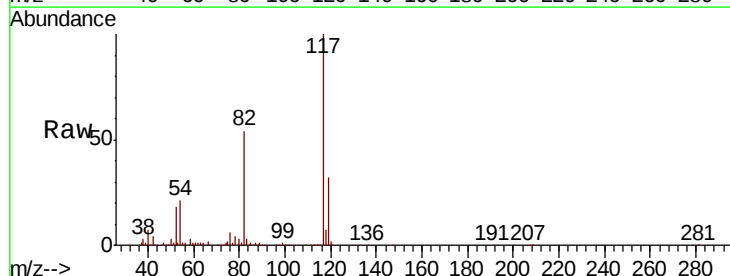


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

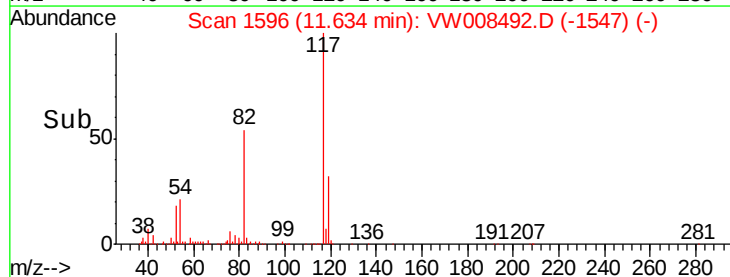
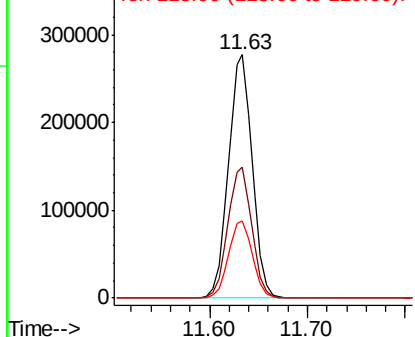


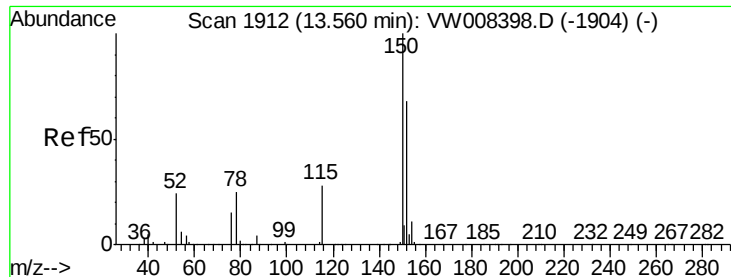
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.4	68.0
119	31.6	26.2	39.4



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



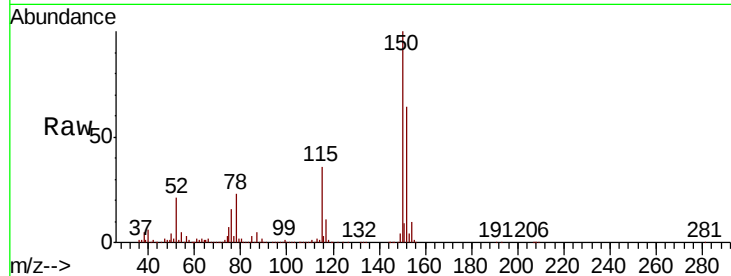


#72

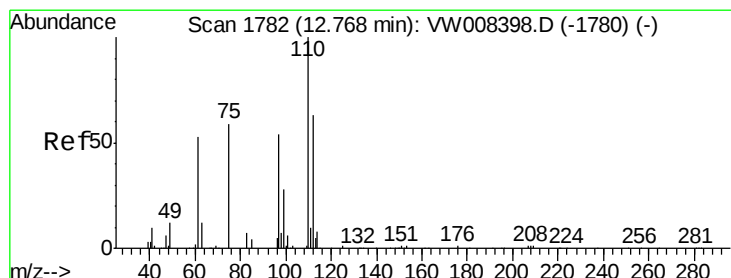
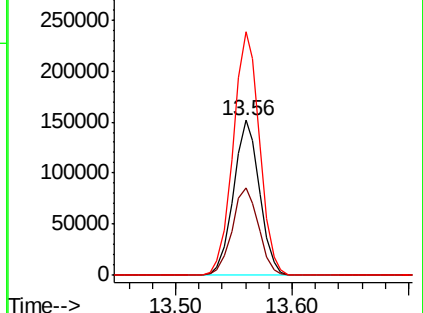
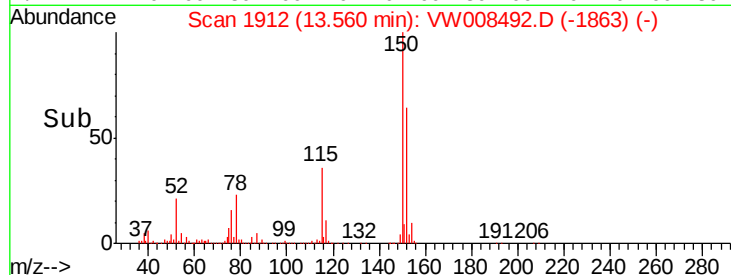
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

Tgt Ion: 152 Resp: 235450
Ion Ratio Lower Upper
152 100
115 57.3 29.9 89.7
150 159.1 0.0 351.4



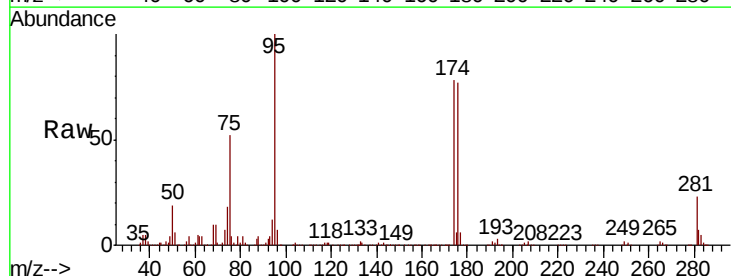
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



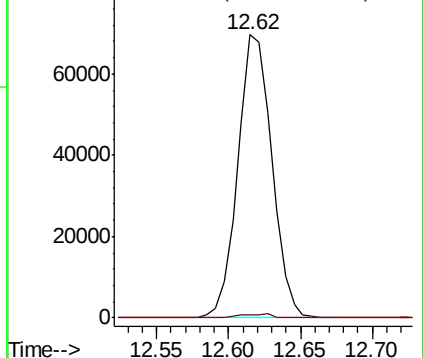
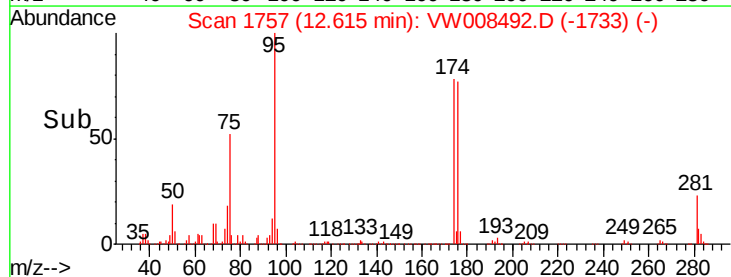
#76

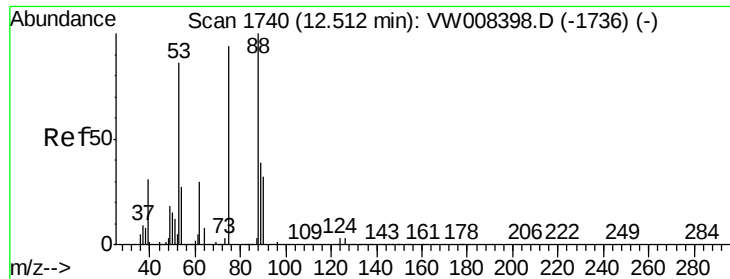
1,2,3-Trichloropropane
Concen: 55.793 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008492.D
Acq: 01 Feb 2019 19:57

Tgt Ion: 75 Resp: 114212
Ion Ratio Lower Upper
75 100
77 1.4 180.7 542.1#



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: 110.195 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008492.D

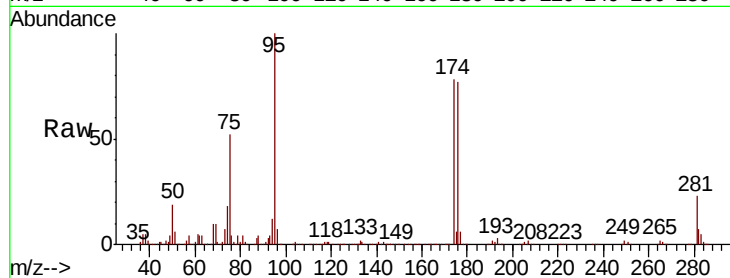
Acq: 01 Feb 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILE



Tgt Ion:	75	Resp:	114212
Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.0	114.0#
89	0.3	35.4	53.0#

