

Data File : VW006811.D
Acq On : 12 Nov 2018 16:36
Operator : SY/AP
Sample : J5807-23
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

Quant Time: Nov 13 02:43:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	416948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	402756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	212099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120191	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.89	113	122315	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.33	98	507093	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.62	95	181083	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
6) Chloroethane	3.06	64	2232	1.139	ug/l #	63
11) Tert butyl alcohol	5.13	59	2081	14.264	ug/l #	72
14) Allyl chloride	4.64	41	4440	1.470	ug/l #	27
15) Acrylonitrile	5.43	53	10519	23.608	ug/l #	24
16) Acetone	4.15	43	407579	1276.929	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	1043271	191.354	ug/l	99
20) Methylene Chloride	4.92	84	525213	195.918	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	501537	185.183	ug/l	99
22) Diisopropyl ether	6.32	45	1085423	173.033	ug/l	97
23) Vinyl Acetate	6.32	43	547743	154.892	ug/l #	70
24) 1,1-Dichloroethane	6.22	63	181683	43.671	ug/l	100
25) 2-Butanone	7.18	43	255359	473.064	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	243374	84.289	ug/l	88
28) Bromochloromethane	7.51	49	221916	152.497	ug/l	99
30) Chloroform	7.68	83	578907	127.444	ug/l	99
31) Cyclohexane	7.95	56	4860	1.141	ug/l #	1
32) 1,1,1-Trichloroethane	7.87	97	753259	171.794	ug/l	99
36) 1,1-Dichloropropene	7.95	75	18638	4.777	ug/l #	47
37) Ethyl Acetate	7.18	43	255359	200.144	ug/l #	1
38) Carbon Tetrachloride	7.95	117	25807	6.085	ug/l #	16
40) Benzene	8.33	78	1900463	175.162	ug/l	100
42) 1,2-Dichloroethane	8.40	62	519550	178.733	ug/l	99
43) Isopropyl Acetate	8.51	43	116757	47.053	ug/l #	6
44) Trichloroethene	9.10	130	244821	71.513	ug/l	97
45) 1,2-Dichloropropane	9.37	63	202680	80.152	ug/l	98
46) Dibromomethane	9.46	93	137904	97.973	ug/l	100
48) Methyl methacrylate	9.37	41	105503	86.722	ug/l #	27
49) 1,4-Dioxane	9.45	88	641	30.142	ug/l #	19
51) 4-Methyl-2-Pentanone	10.21	43	587021	471.795	ug/l	100
52) Toluene	10.39	92	1308880	170.167	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	168014	48.883	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	491403	120.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	1398	1.219	ug/l #	43
59) 2-Hexanone	10.97	43	150952	175.889	ug/l	100

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Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Dibromochloromethane	11.13	129	157038	61.443	ug/l	100
61) 1,2-Dibromoethane	11.24	107	283022	142.673	ug/l	99
64) Tetrachloroethene	10.87	164	231021	71.578	ug/l	98
65) Chlorobenzene	11.66	112	1312982	146.947	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	177340	61.166	ug/l	100
67) Ethyl Benzene	11.84	91	1777213	116.673	ug/l #	65
68) m/p-Xylenes	11.84	106	916230	147.011	ug/l	100
69) o-Xylene	12.17	106	878486	151.453	ug/l	98
70) Styrene	12.17	104	44886	4.835	ug/l #	1
71) Bromoform	12.35	173	239340	151.261	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	62715	30.793	ug/l	99
76) 1,2,3-Trichloropropane	12.81	75	7109	4.651	ug/l #	100
78) n-propylbenzene	12.81	91	1214793	69.912	ug/l	100
79) 2-Chlorotoluene	12.81	91	1214793	124.609	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.62	75	87092	140.939	ug/l #	13
82) 4-Chlorotoluene	12.81	91	1214793	116.790	ug/l #	38
86) p-Isopropyltoluene	13.51	119	1247207	86.492	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	395988	52.345	ug/l	100
88) 1,4-Dichlorobenzene	13.51	146	395988	52.907	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	793753	120.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31304	96.006	ug/l	98
95) Naphthalene	15.38	128	781645	105.074	ug/l	100

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

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```
ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

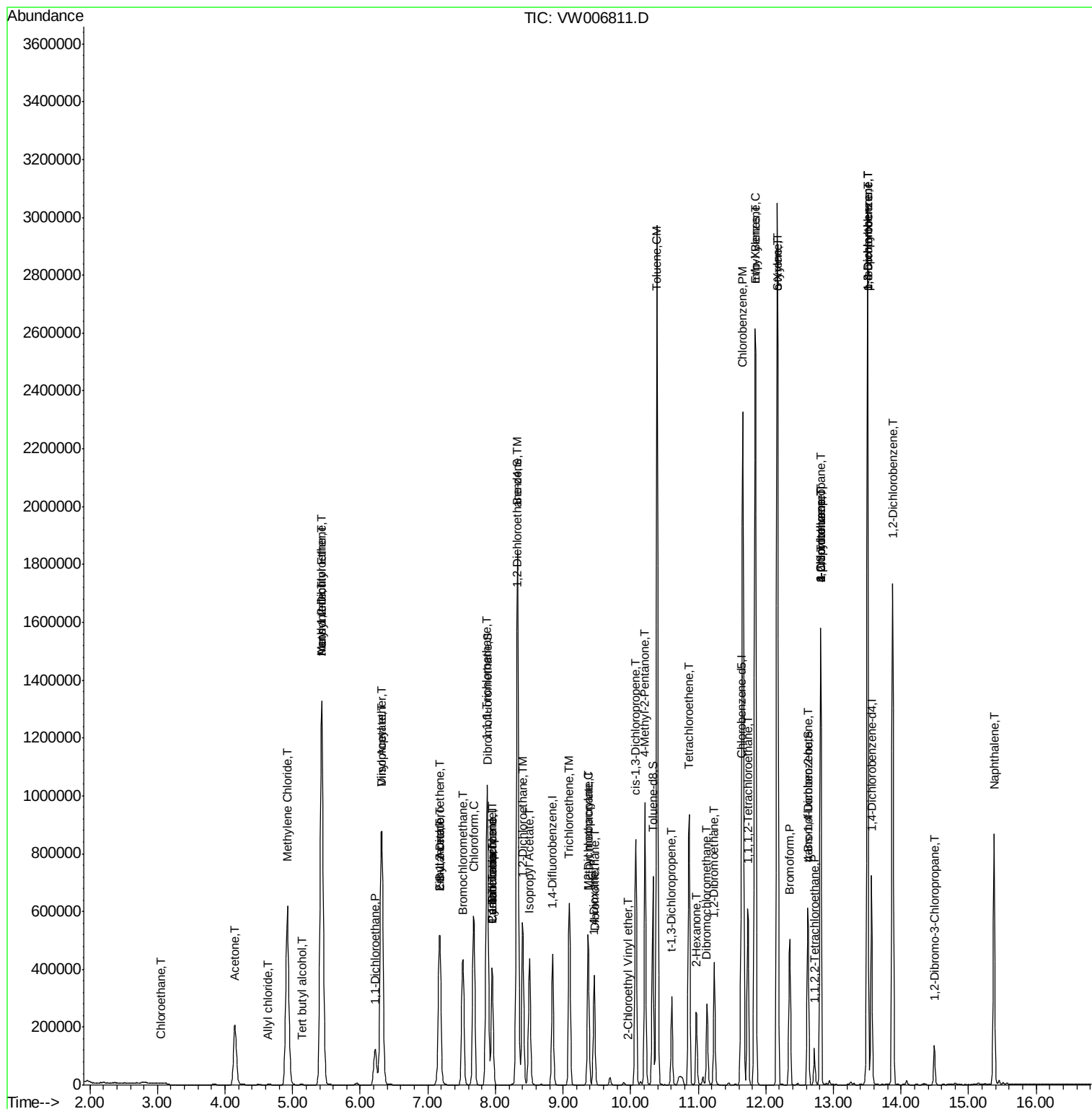
Quant Time: Nov 13 02:43:57 2018

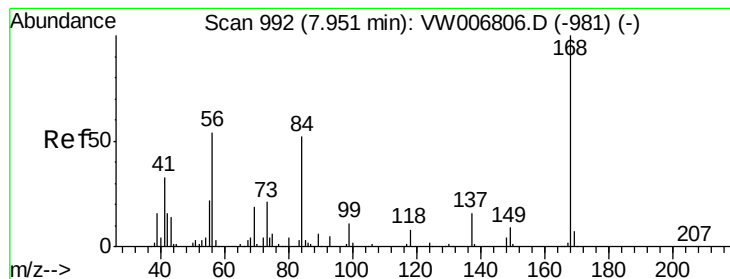
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W111218S.M

Quant Title : SW846 8260

QLast Update : Mon Nov 12 14:58:58 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

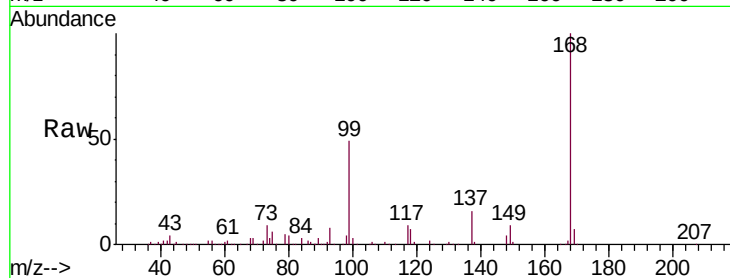
PT-VOA-SOIL

Tgt Ion:168 Resp: 304028

Ion Ratio Lower Upper

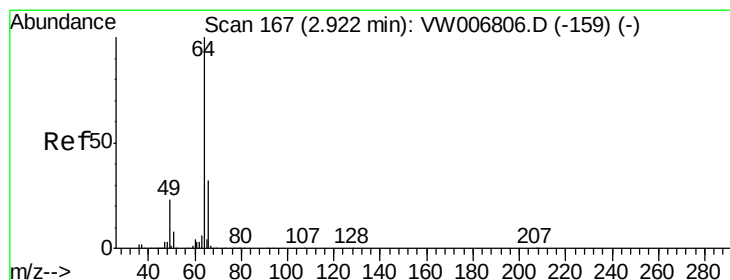
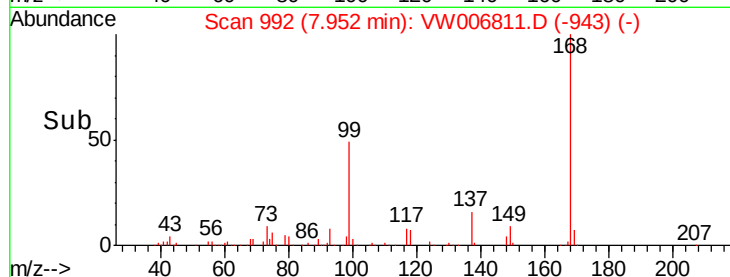
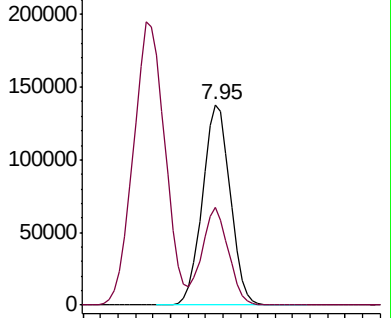
168 100

99 48.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#6

Chloroethane

Concen: 1.139 ug/l

RT: 3.06 min Scan# 190

Delta R.T. 0.14 min

Lab File: VW006811.D

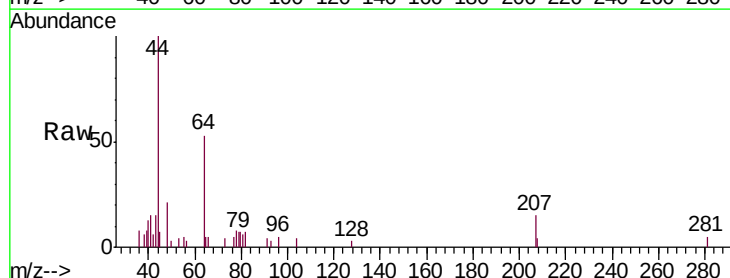
Acq: 12 Nov 2018 16:36

Tgt Ion: 64 Resp: 2232

Ion Ratio Lower Upper

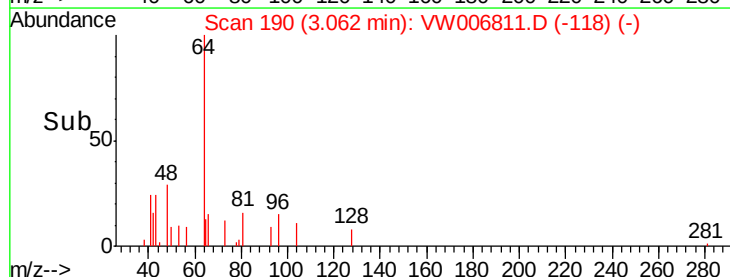
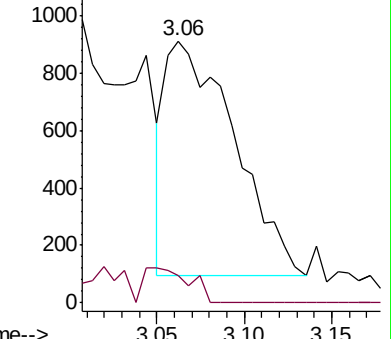
64 100

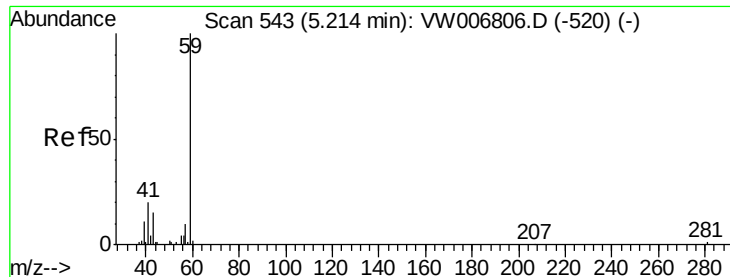
66 11.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

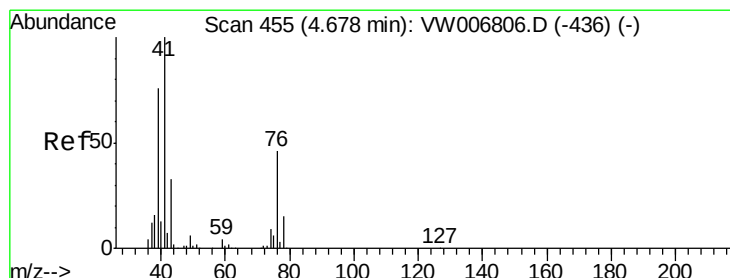
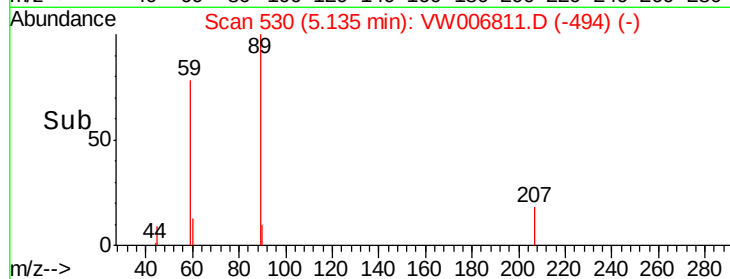
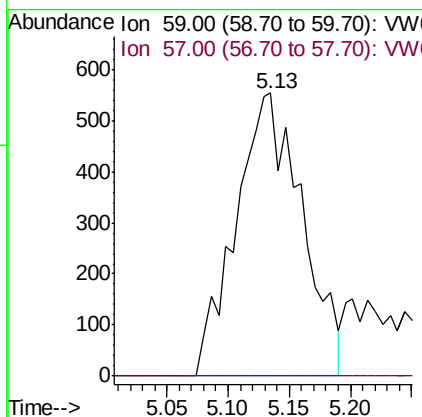
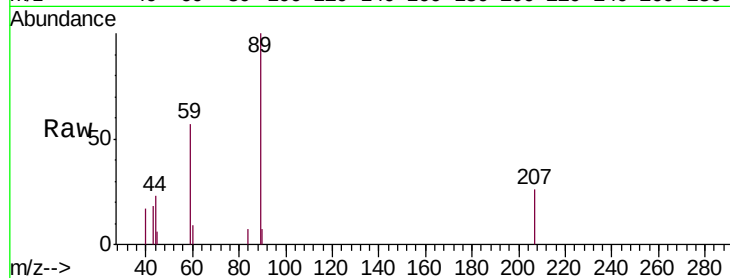




#11
Tert butyl alcohol
Concen: 14.264 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.08 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

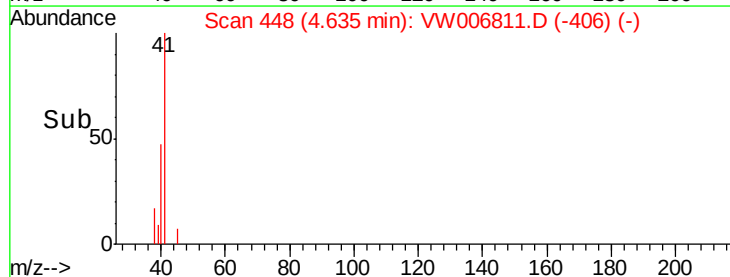
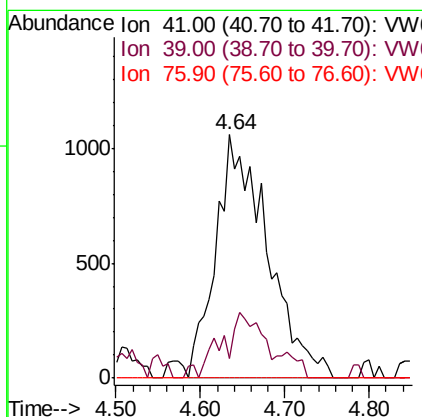
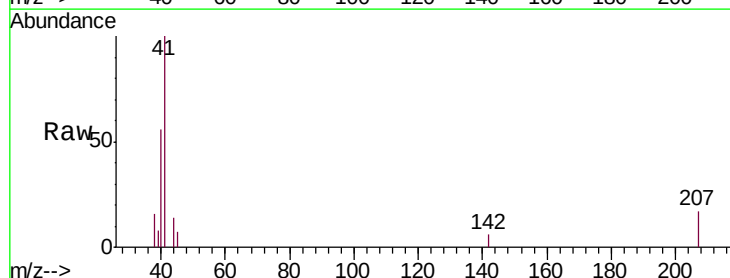
Instrument :
MSVOA_W
ClientSampled :
PT-VOA-SOIL

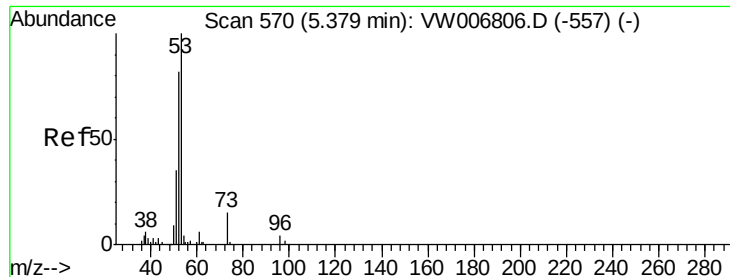
Tgt Ion: 59 Resp: 2081
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 1.470 ug/l
RT: 4.64 min Scan# 448
Delta R.T. -0.04 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion: 41 Resp: 4440
Ion Ratio Lower Upper
41 100
39 9.3 58.9 88.3#
76 0.0 34.4 51.6#





#15

Acrylonitrile

Concen: 23.608 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.05 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

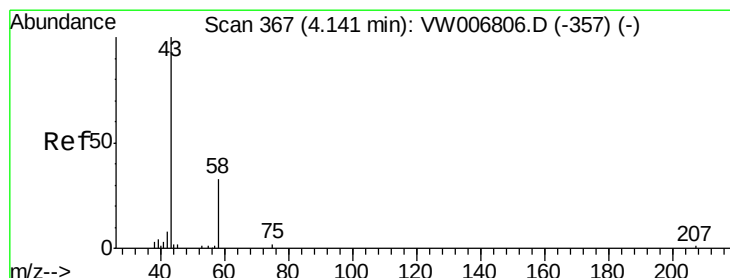
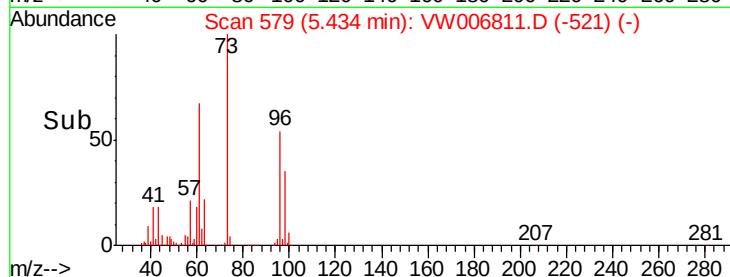
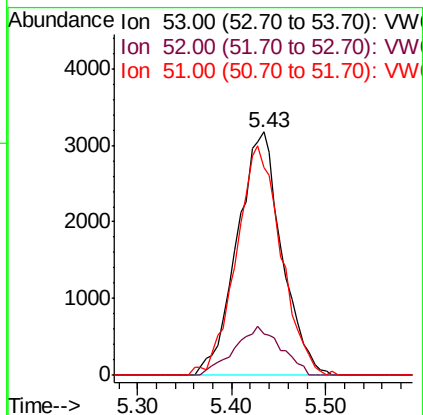
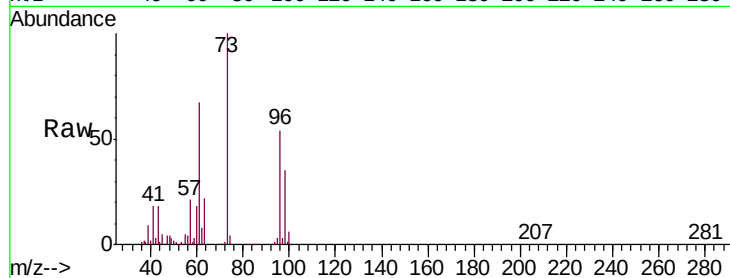
Tgt Ion: 53 Resp: 10519

Ion Ratio Lower Upper

53 100

52 21.0 65.2 97.8#

51 94.6 30.0 45.0#



#16

Acetone

Concen: 1276.929 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006811.D

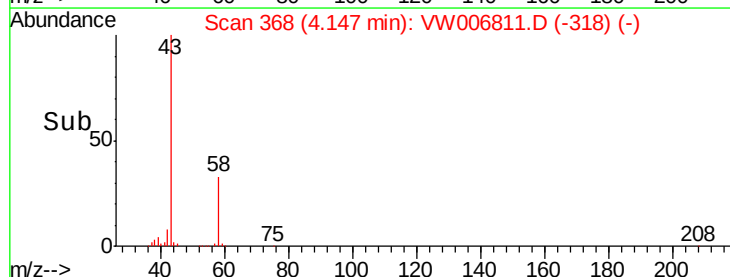
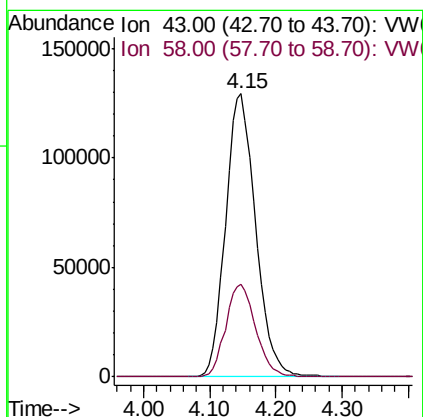
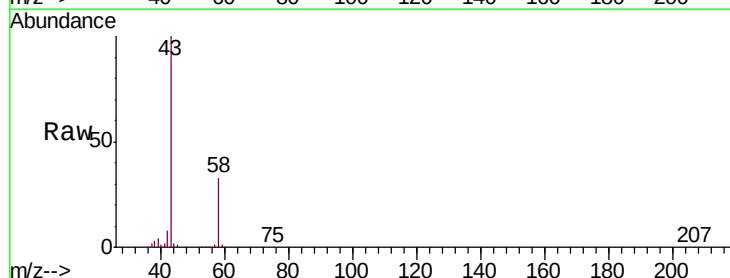
Acq: 12 Nov 2018 16:36

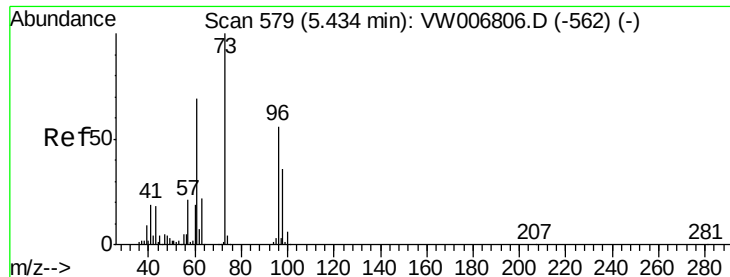
Tgt Ion: 43 Resp: 407579

Ion Ratio Lower Upper

43 100

58 32.8 26.5 39.7



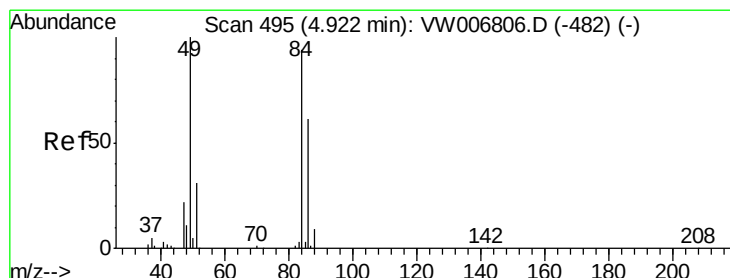
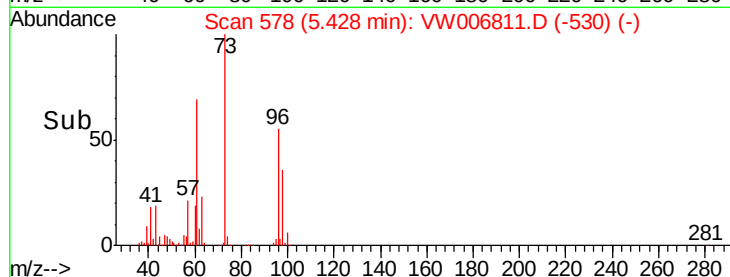
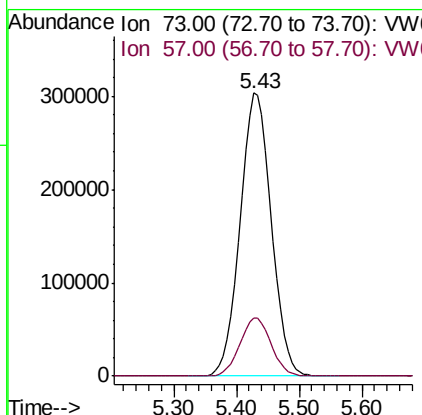
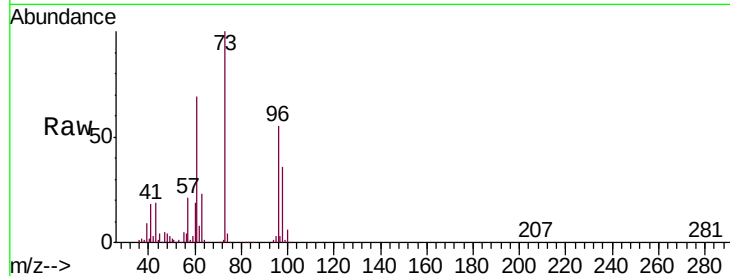


#19

Methyl tert-butyl Ether
 Concen: 191.354 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

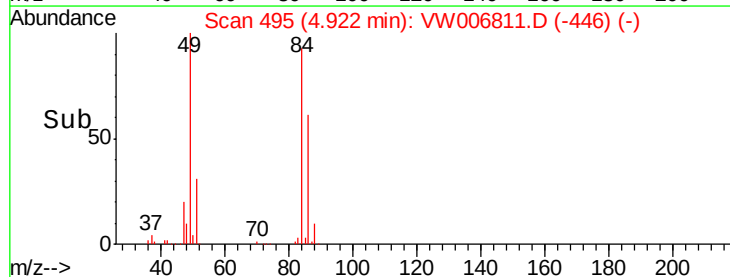
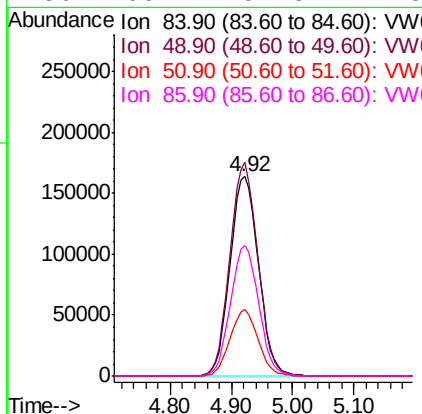
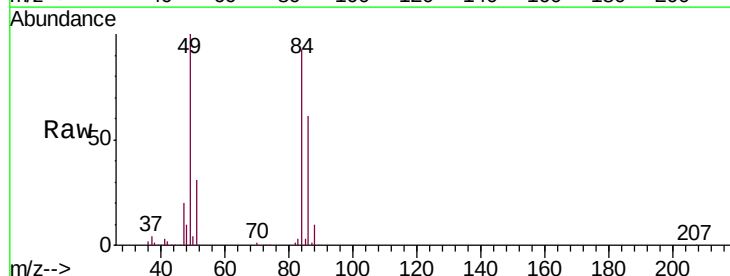
Tgt Ion: 73 Resp: 1043271
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.8 25.2

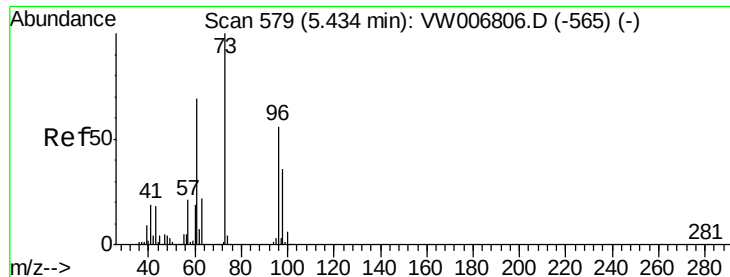


#20

Methylene Chloride
 Concen: 195.918 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion: 84 Resp: 525213
 Ion Ratio Lower Upper
 84 100
 49 107.0 84.8 127.2
 51 33.2 26.2 39.4
 86 65.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 185.183 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

PT-VOA-SOIL

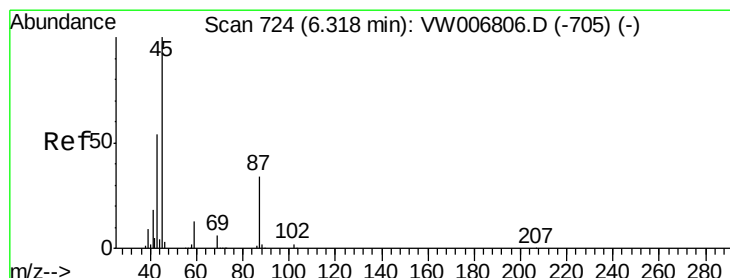
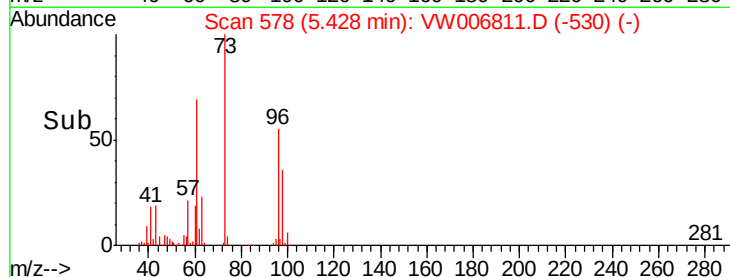
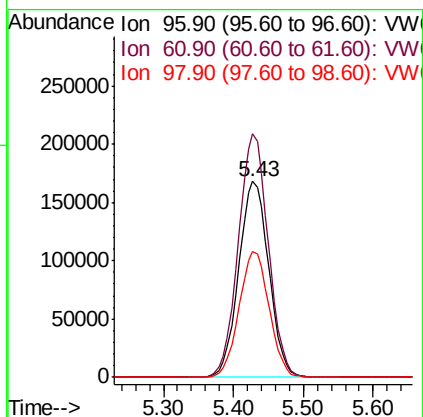
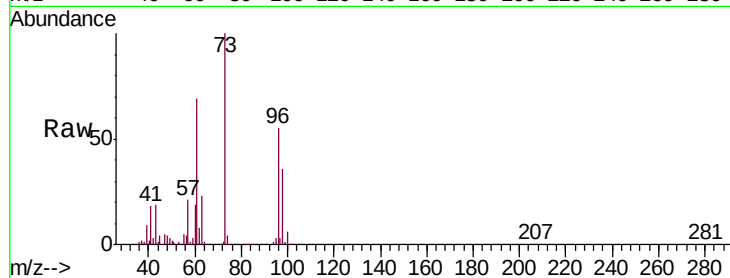
Tgt Ion: 96 Resp: 501537

Ion Ratio Lower Upper

96 100

61 124.3 98.7 148.1

98 64.3 51.2 76.8



#22

Diisopropyl ether

Concen: 173.033 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Tgt Ion: 45 Resp: 1085423

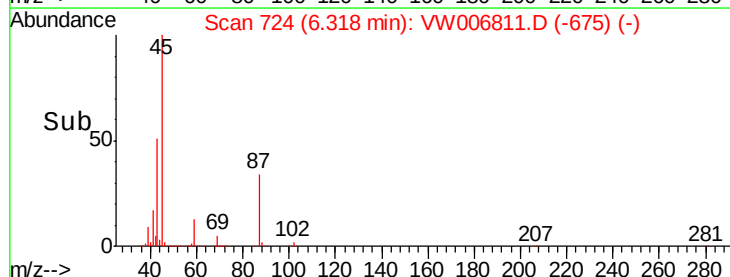
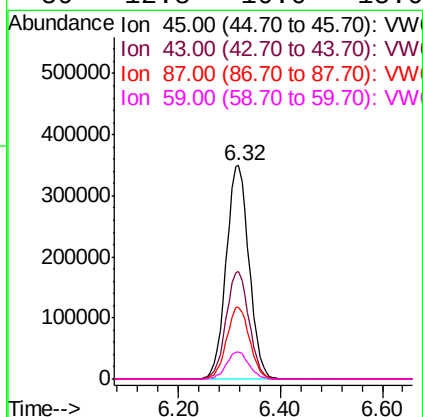
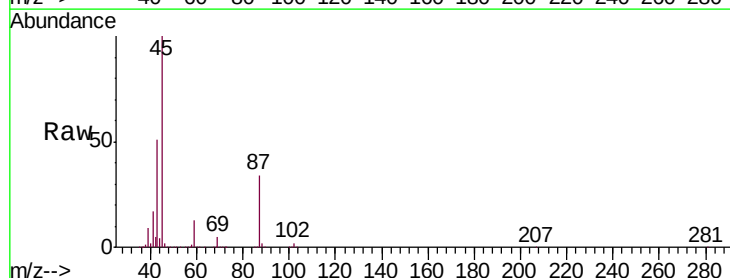
Ion Ratio Lower Upper

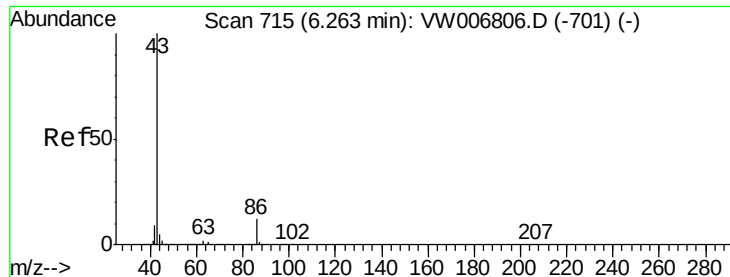
45 100

43 50.6 43.7 65.5

87 33.5 27.2 40.8

59 12.8 10.0 15.0





#23

Vinyl Acetate

Concen: 154.892 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.05 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

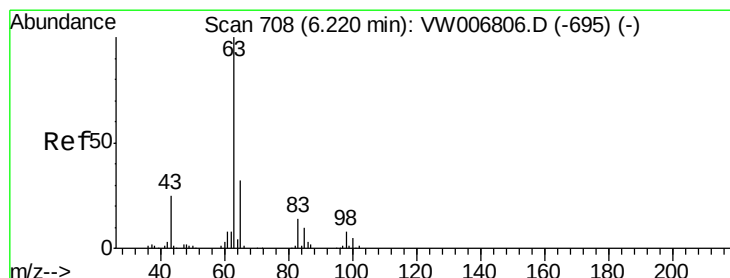
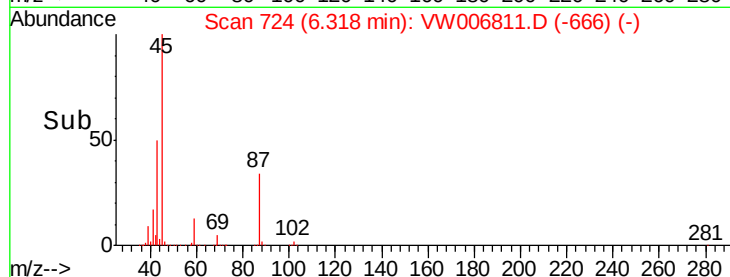
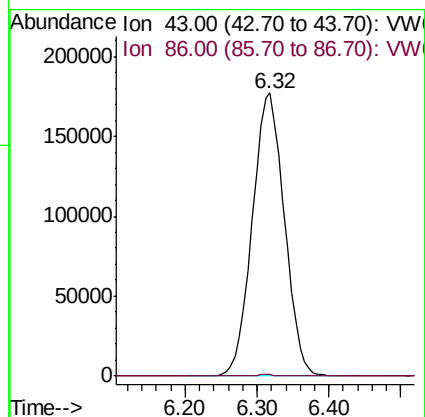
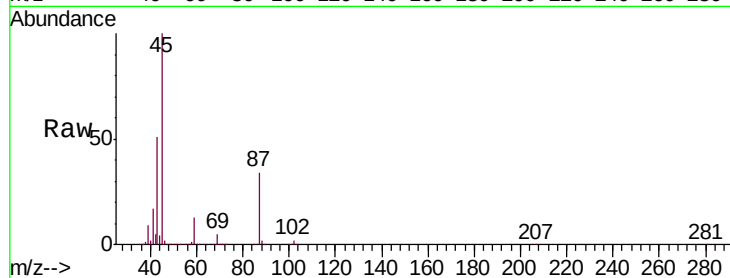
PT-VOA-SOIL

Tgt Ion: 43 Resp: 547743

Ion Ratio Lower Upper

43 100

86 0.4 9.6 14.4#



#24

1,1-Dichloroethane

Concen: 43.671 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

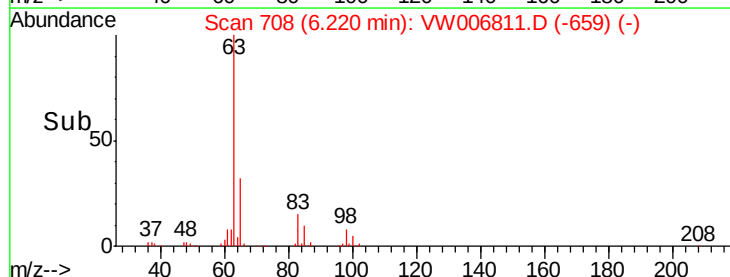
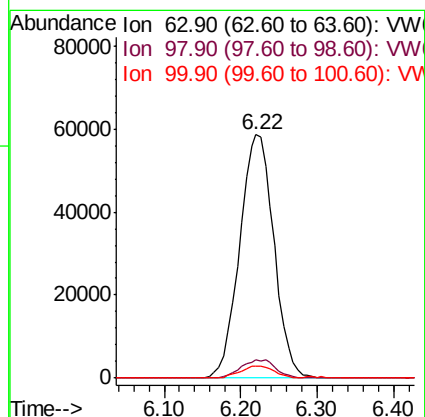
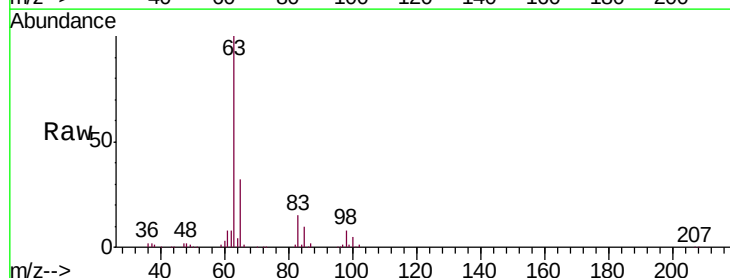
Tgt Ion: 63 Resp: 181683

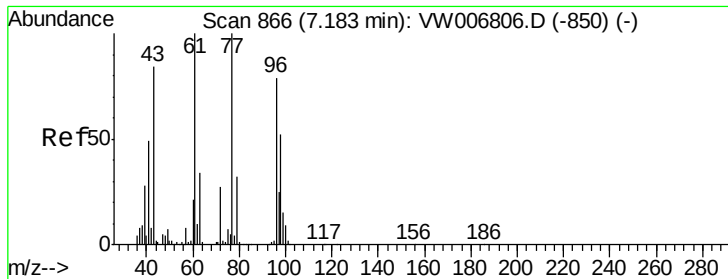
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 473.064 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

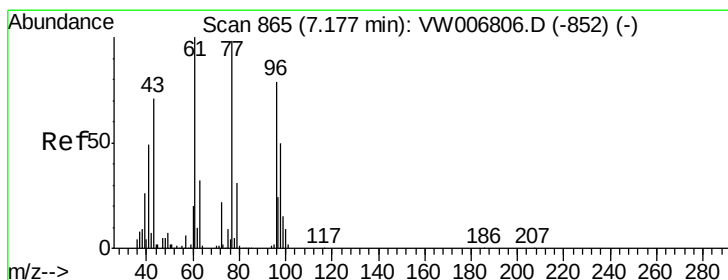
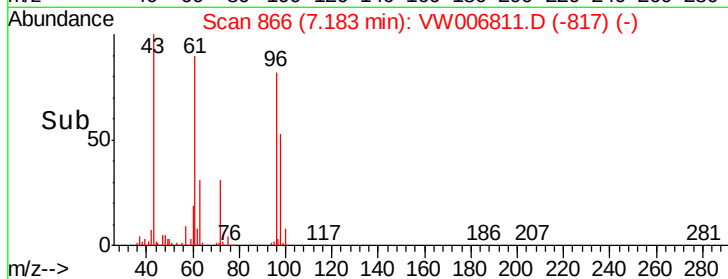
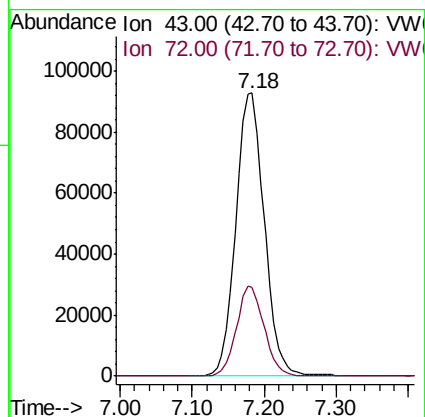
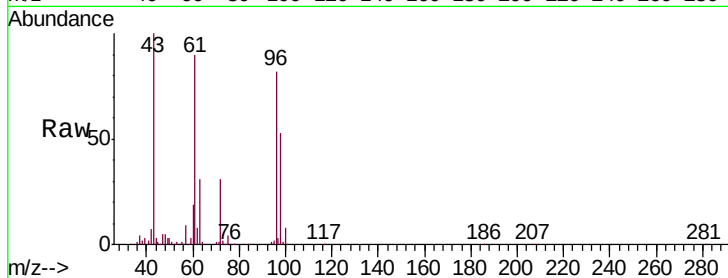
PT-VOA-SOIL

Tgt Ion: 43 Resp: 255359

Ion Ratio Lower Upper

43 100

72 31.3 25.3 37.9



#27

cis-1,2-Dichloroethene

Concen: 84.289 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

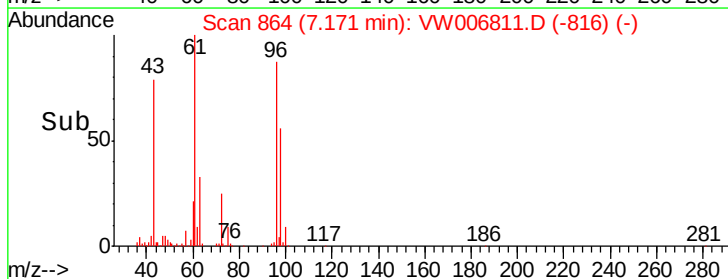
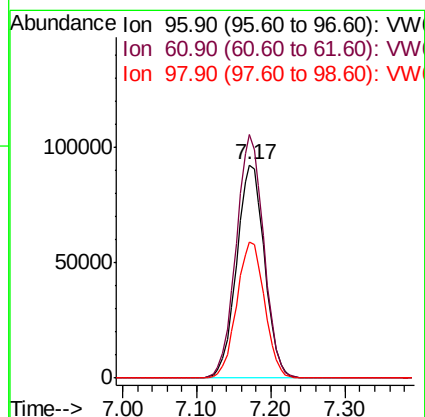
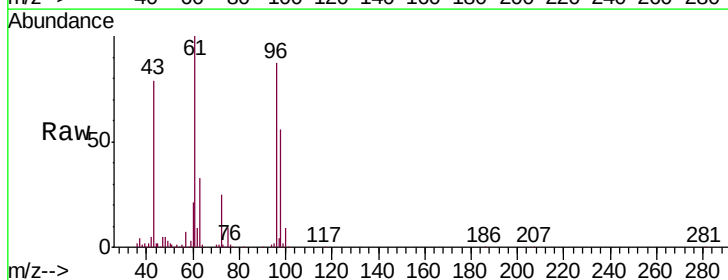
Tgt Ion: 96 Resp: 243374

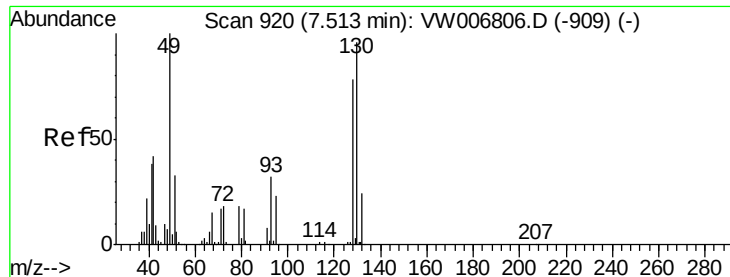
Ion Ratio Lower Upper

96 100

61 112.9 0.0 264.0

98 63.8 0.0 131.0





#28

Bromochloromethane

Concen: 152.497 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

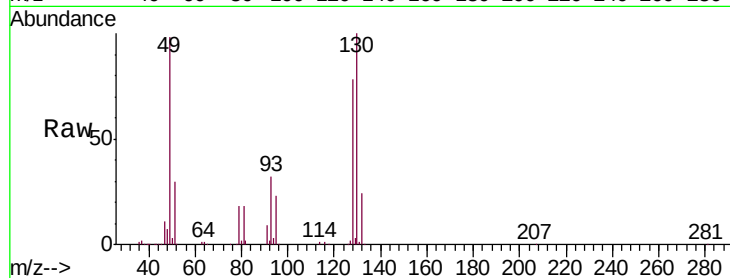
Tgt Ion: 49 Resp: 221916

Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

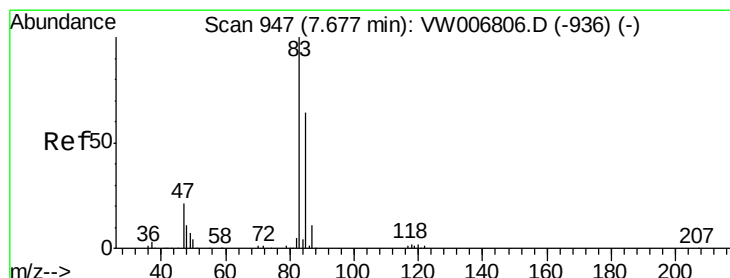
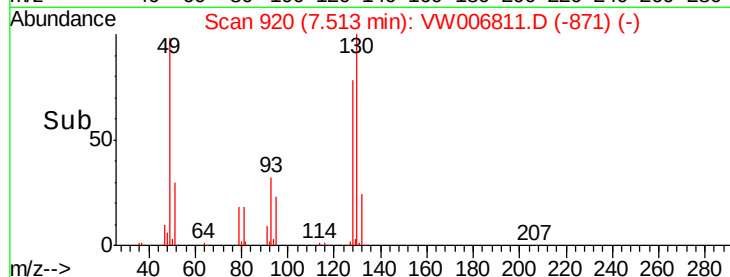
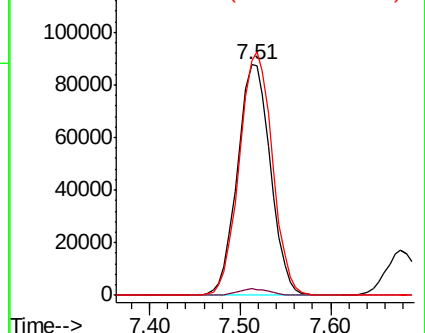
130 105.3 83.3 124.9



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 127.444 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006811.D

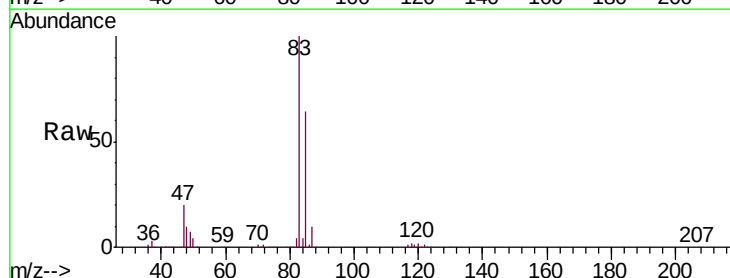
Acq: 12 Nov 2018 16:36

Tgt Ion: 83 Resp: 578907

Ion Ratio Lower Upper

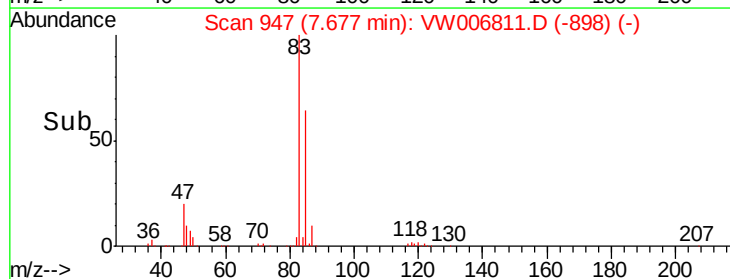
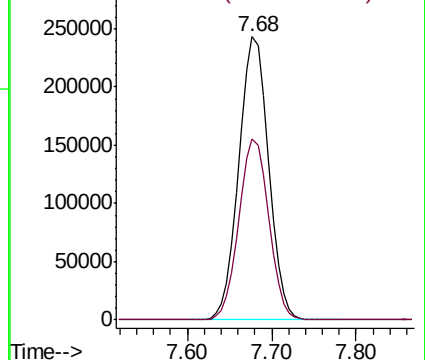
83 100

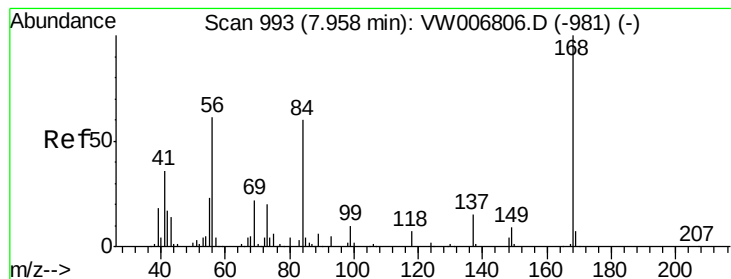
85 63.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

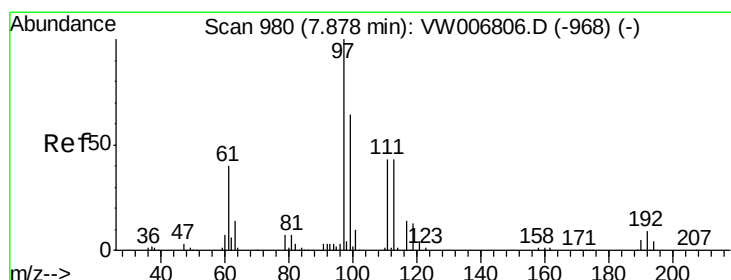
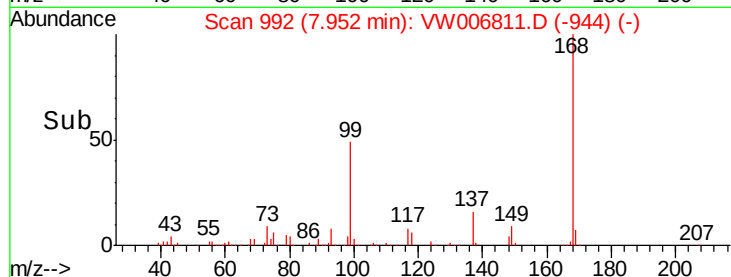
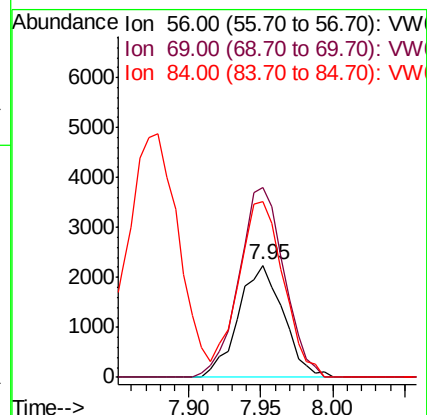
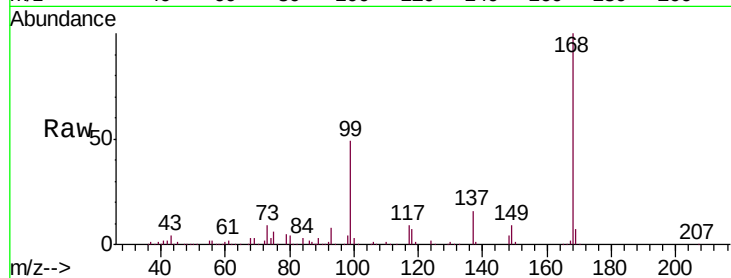
Tgt Ion: 56 Resp: 4860

Ion Ratio Lower Upper

56 100

69 169.3 28.9 43.3#

84 156.6 79.0 118.4#



#32

1,1,1-Trichloroethane

Concen: 171.794 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

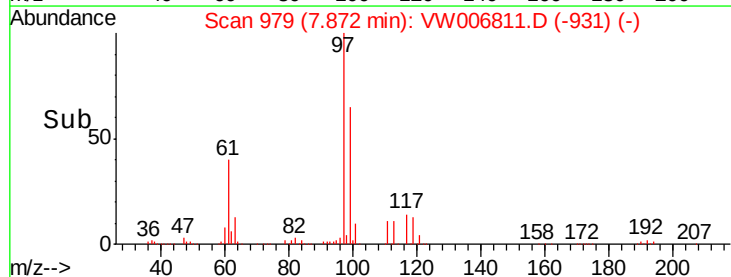
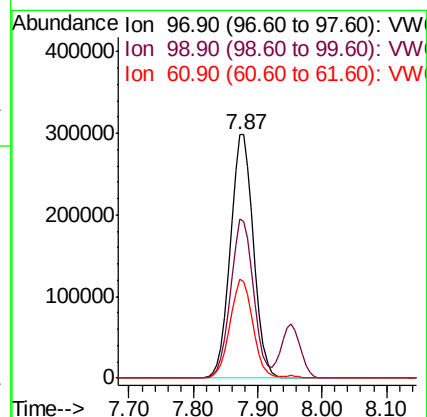
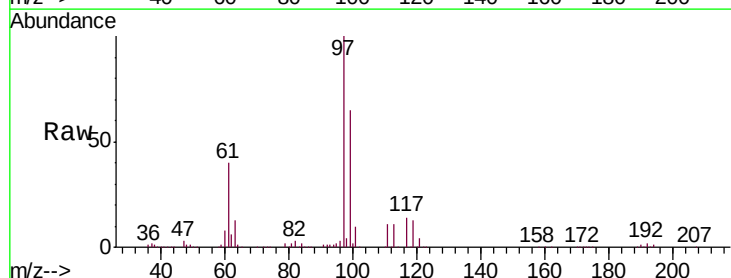
Tgt Ion: 97 Resp: 753259

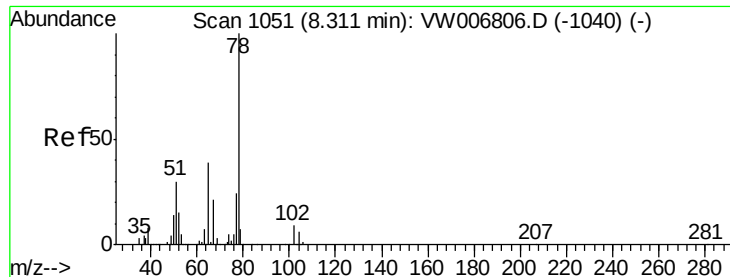
Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 40.3 32.2 48.4

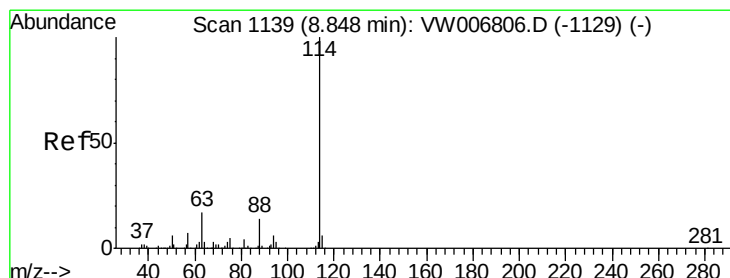
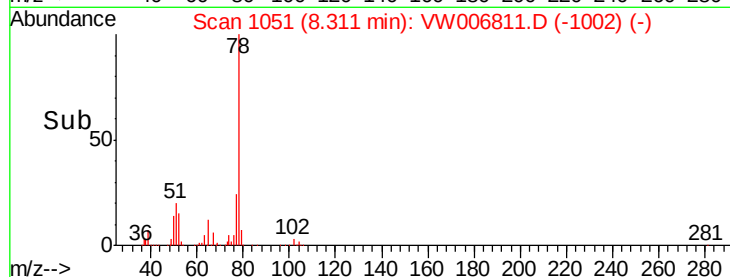
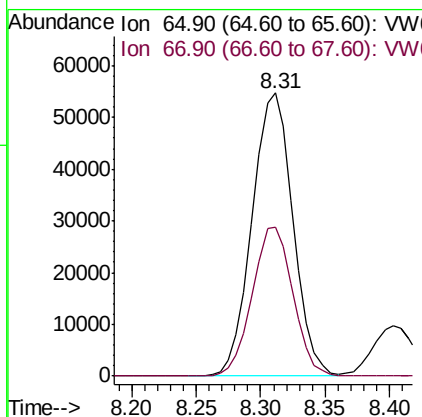
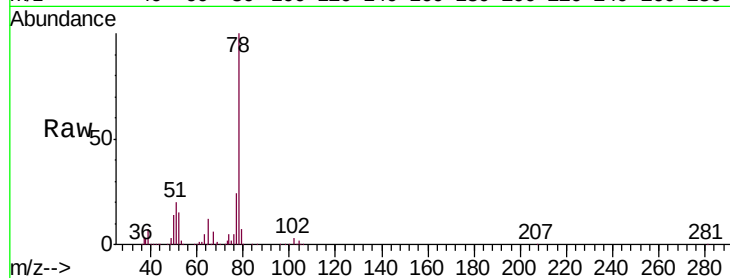




#33
 1,2-Dichloroethane-d4
 Concen: 54.079 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

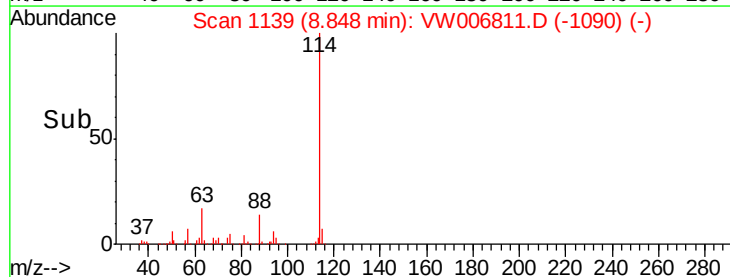
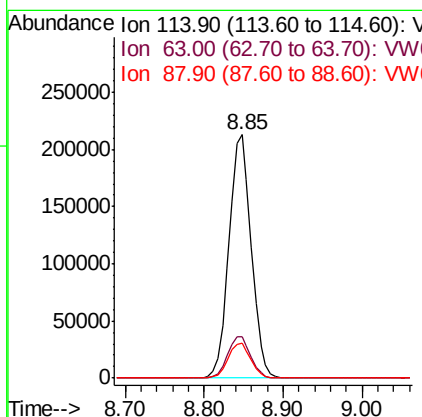
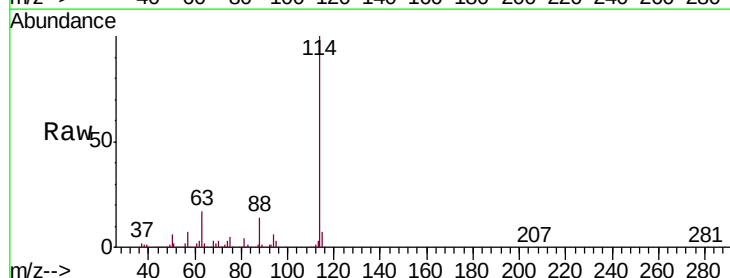
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

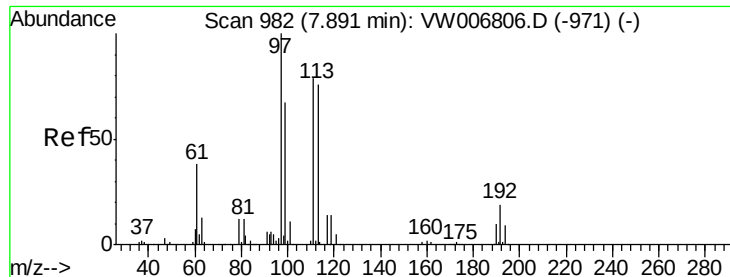
Tgt Ion: 65 Resp: 120191
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion: 114 Resp: 416948
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.6
 88 14.3 0.0 28.4

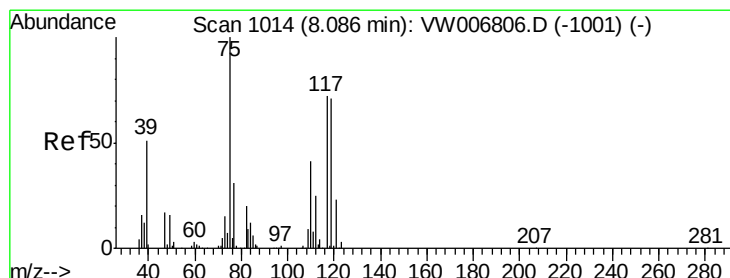
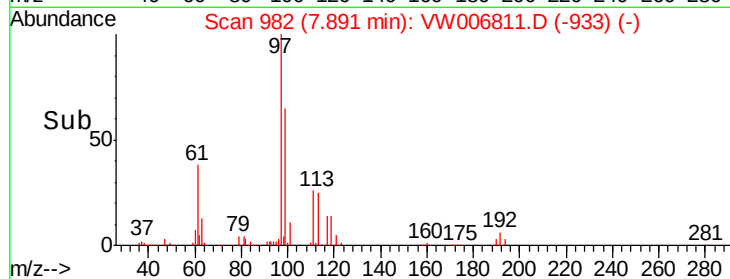
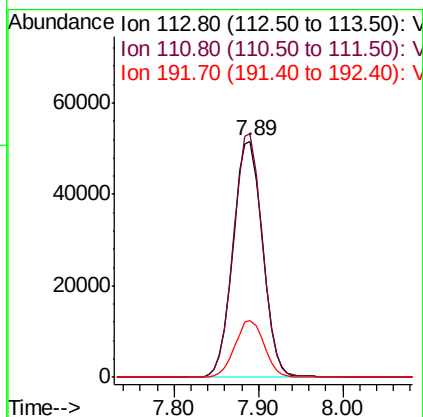
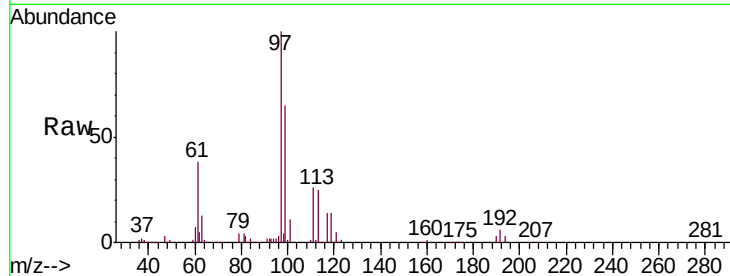




#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

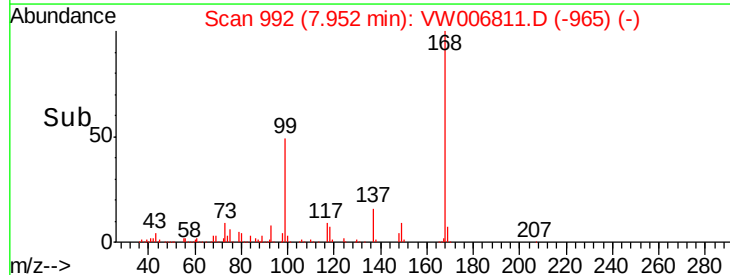
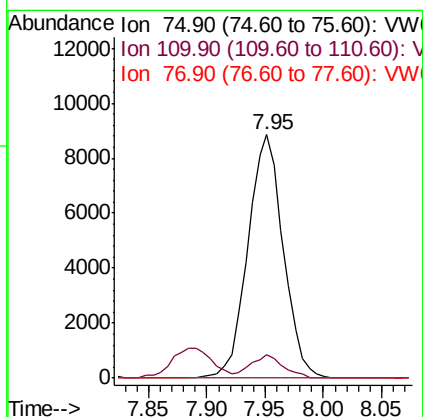
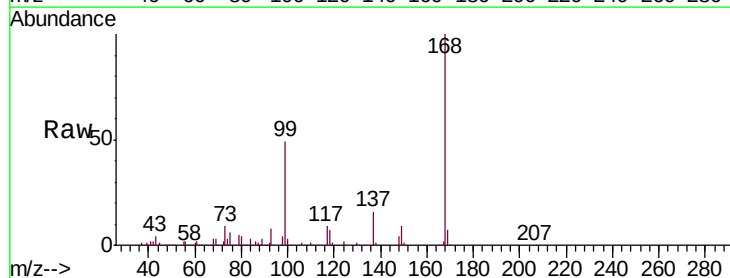
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

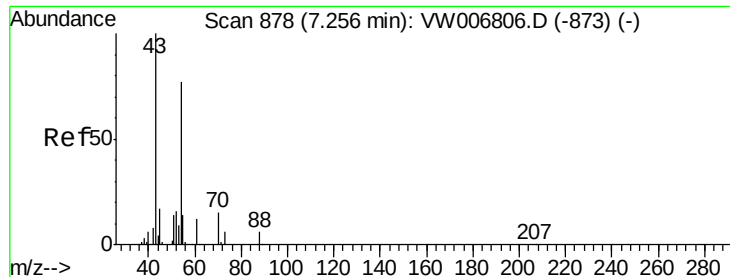
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.6
192	23.9	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.9	59.6#
77	0.0	25.4	38.2#

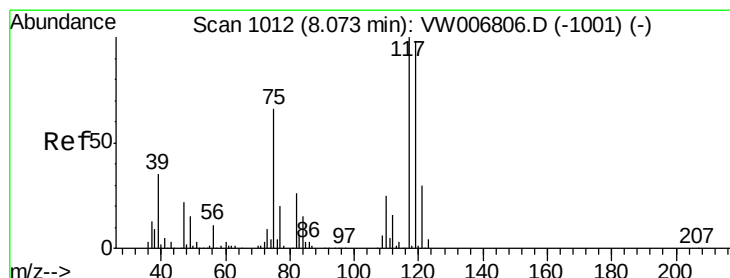
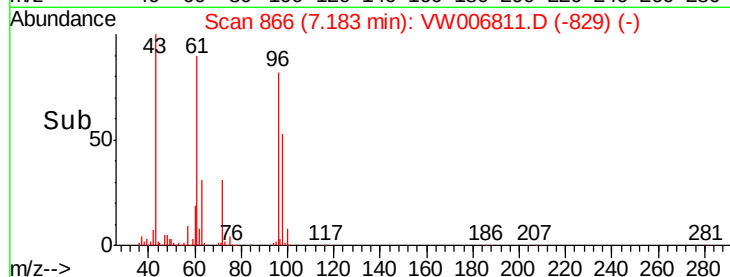
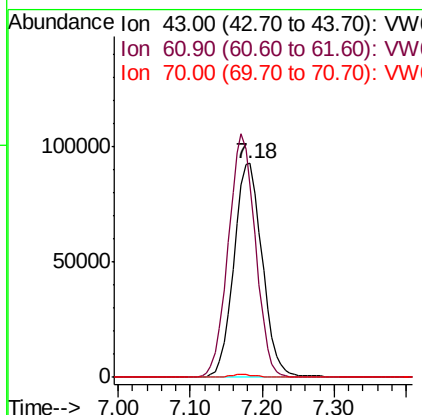
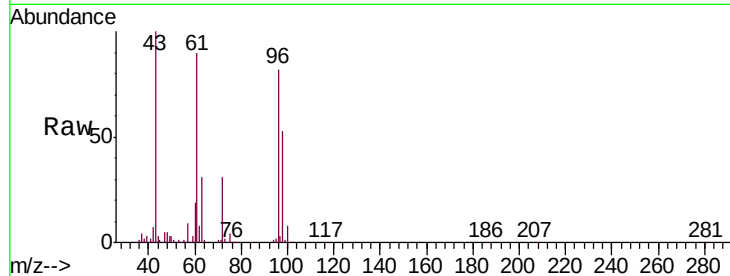




#37
Ethyl Acetate
Concen: 200.144 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

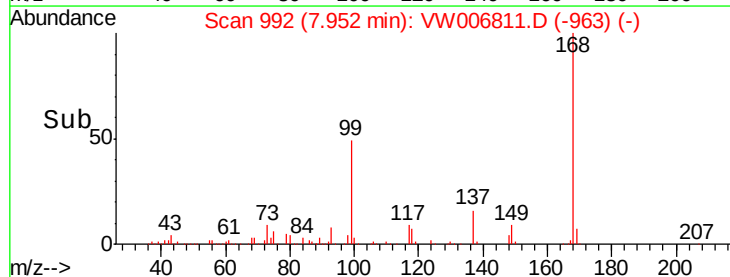
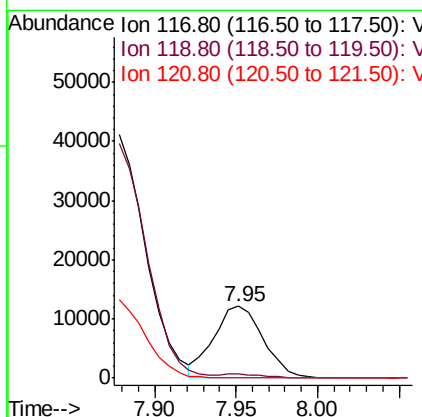
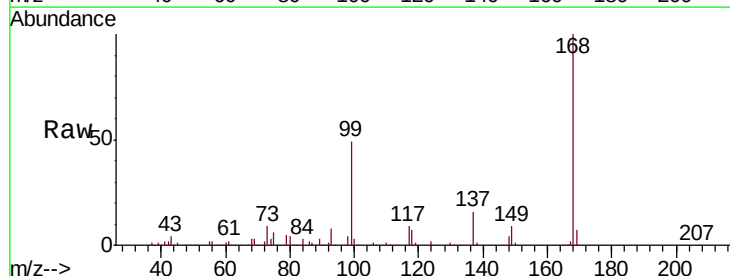
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

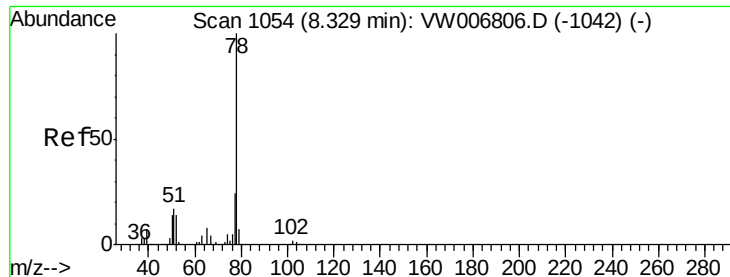
Tgt Ion: 43 Resp: 255359
Ion Ratio Lower Upper
43 100
61 107.6 11.7 17.5#
70 1.3 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion: 117 Resp: 25807
Ion Ratio Lower Upper
117 100
119 5.9 78.5 117.7#
121 0.0 24.2 36.2#





#40

Benzene

Concen: 175.162 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

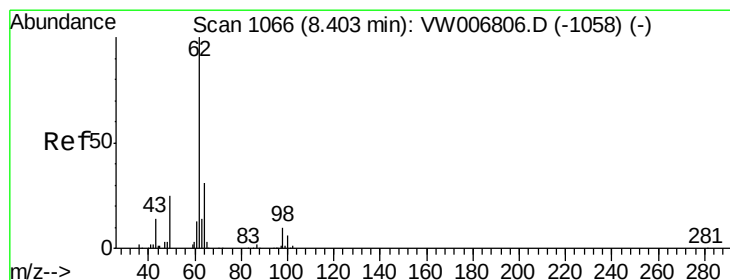
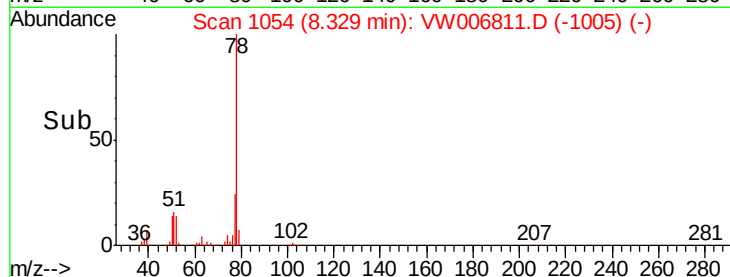
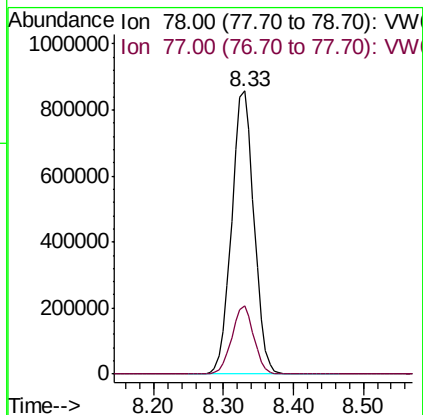
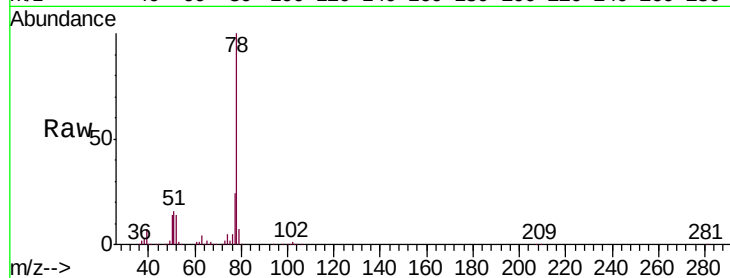
PT-VOA-SOIL

Tgt Ion: 78 Resp: 1900463

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6



#42

1,2-Dichloroethane

Concen: 178.733 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006811.D

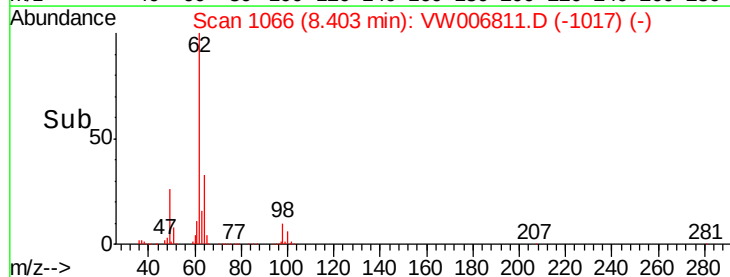
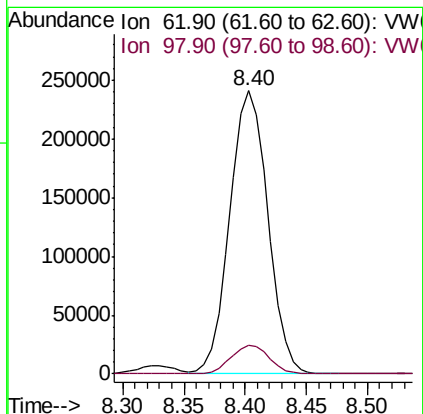
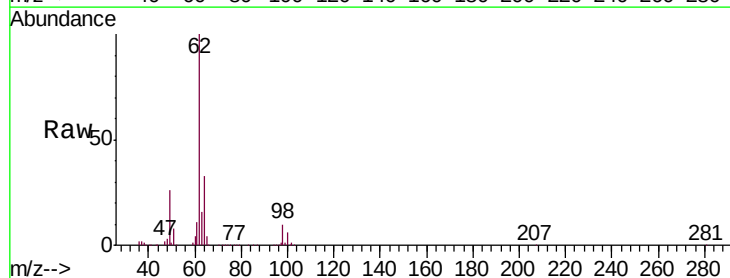
Acq: 12 Nov 2018 16:36

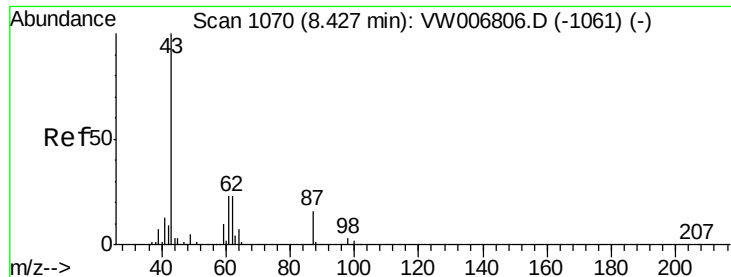
Tgt Ion: 62 Resp: 519550

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 47.053 ug/l

RT: 8.51 min Scan# 1083

Delta R.T. 0.08 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

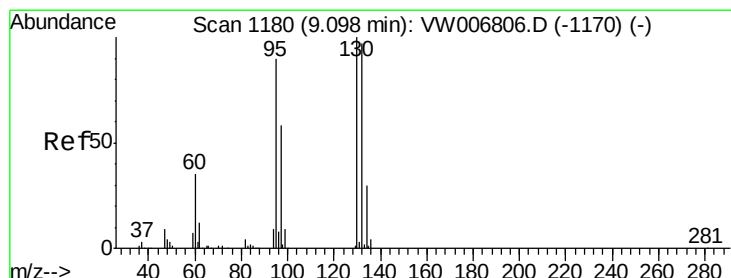
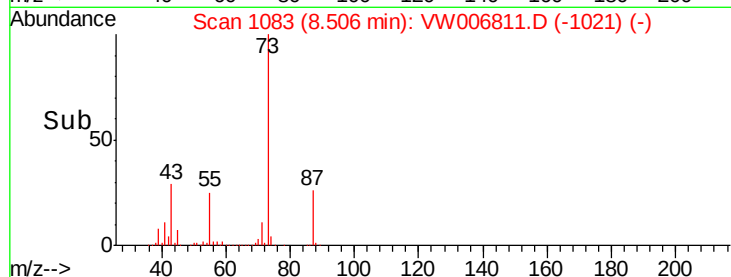
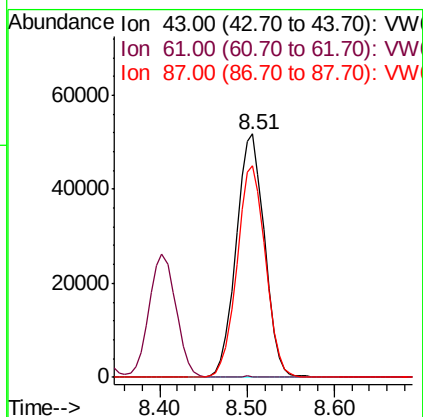
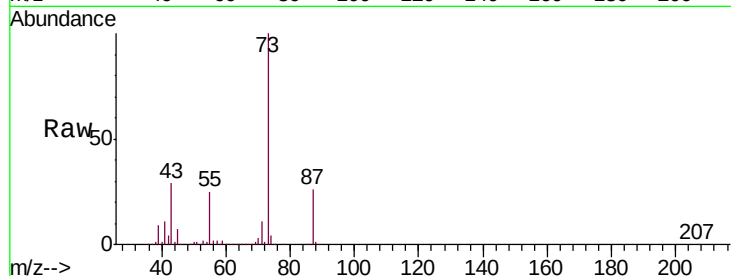
Tgt Ion: 43 Resp: 116757

Ion Ratio Lower Upper

43 100

61 0.0 27.0 40.4#

87 86.9 13.0 19.4#



#44

Trichloroethene

Concen: 71.513 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006811.D

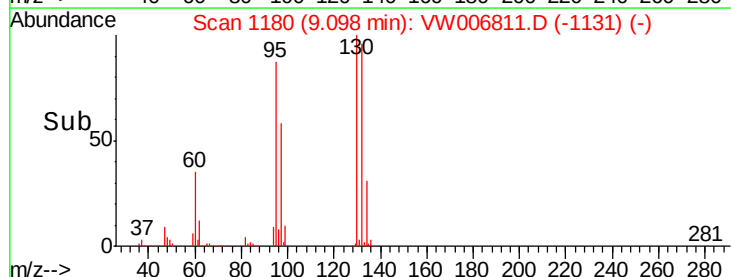
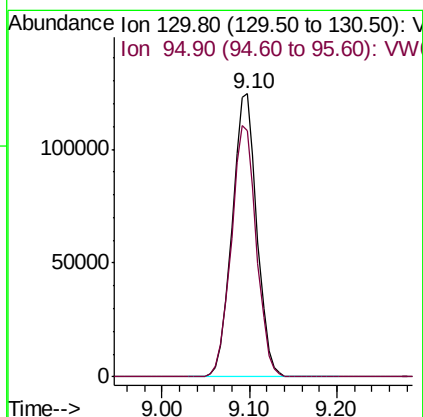
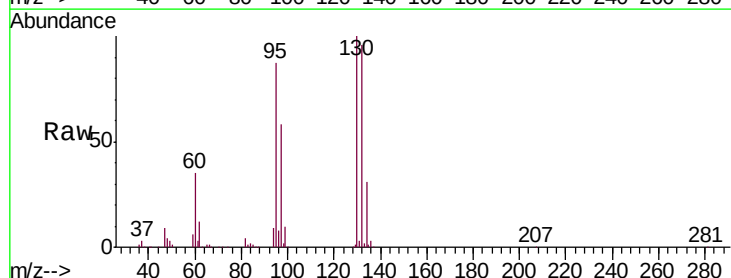
Acq: 12 Nov 2018 16:36

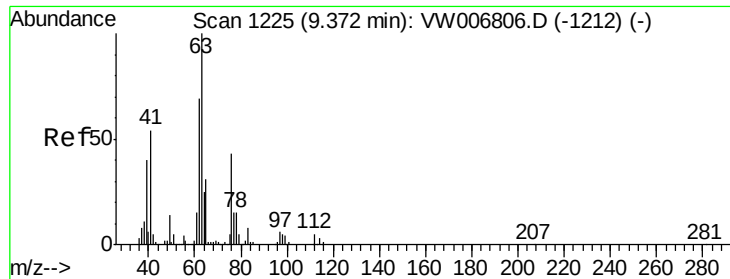
Tgt Ion: 130 Resp: 244821

Ion Ratio Lower Upper

130 100

95 87.1 0.0 180.2

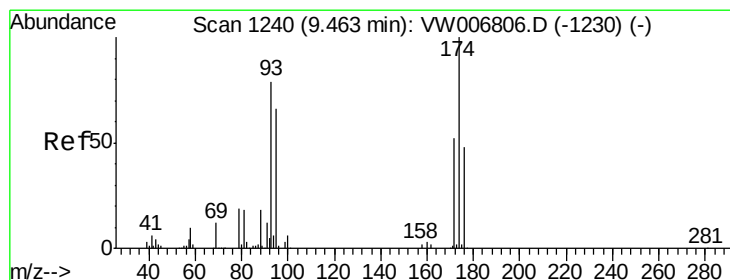
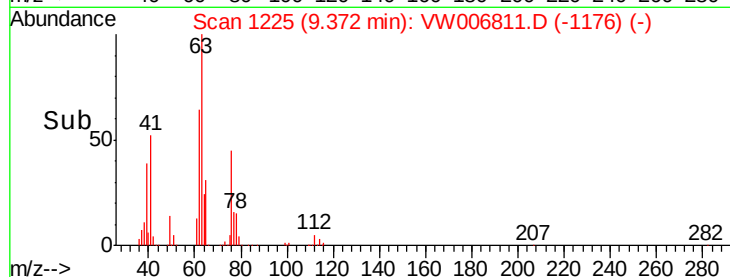
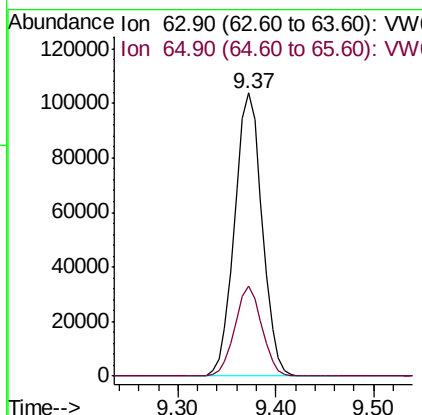
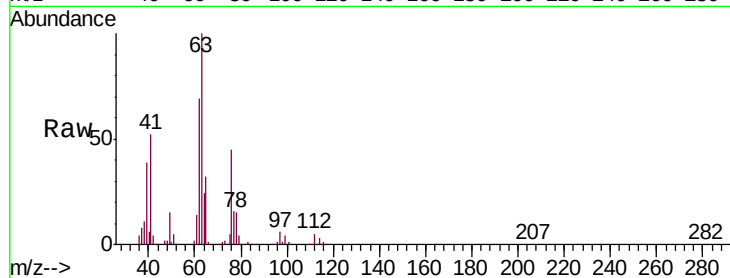




#45
 1,2-Dichloropropane
 Concen: 80.152 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

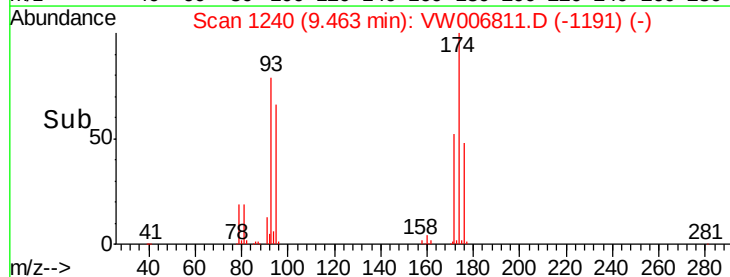
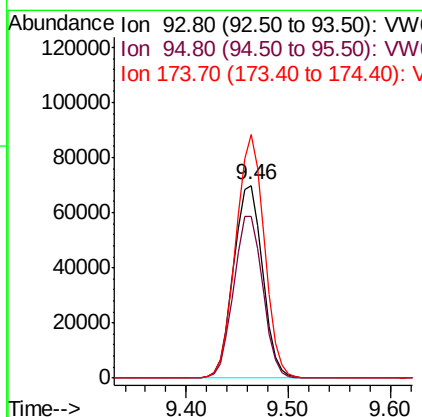
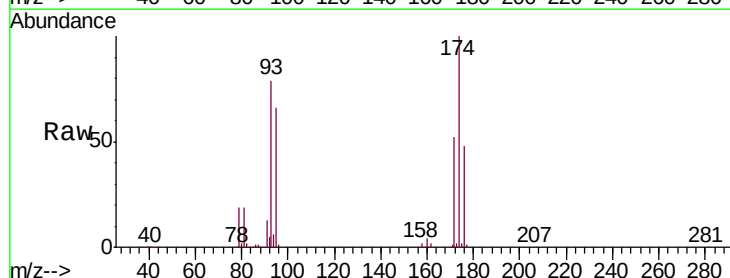
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

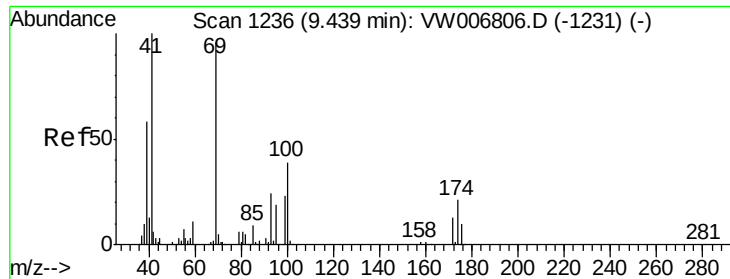
Tgt Ion: 63 Resp: 202680
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.4 36.6



#46
 Dibromomethane
 Concen: 97.973 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion: 93 Resp: 137904
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.6
 174 123.6 98.6 147.8

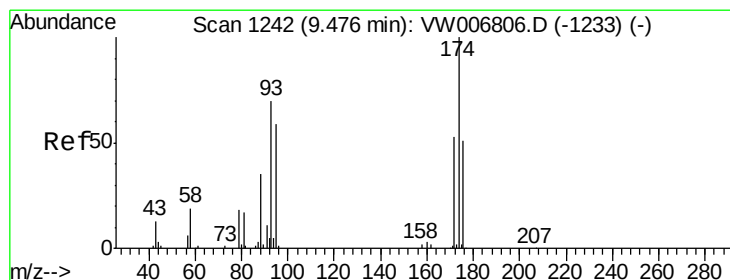
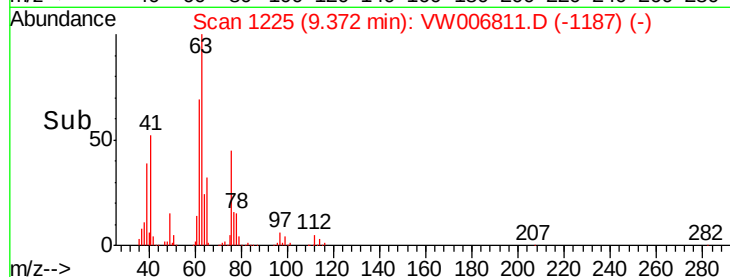
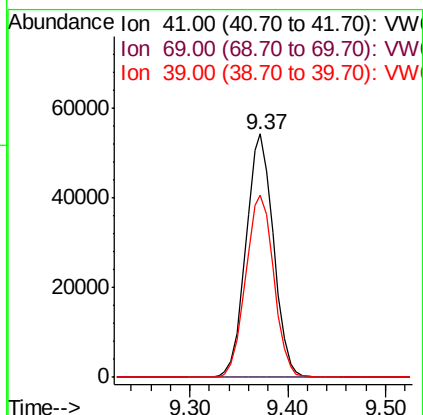
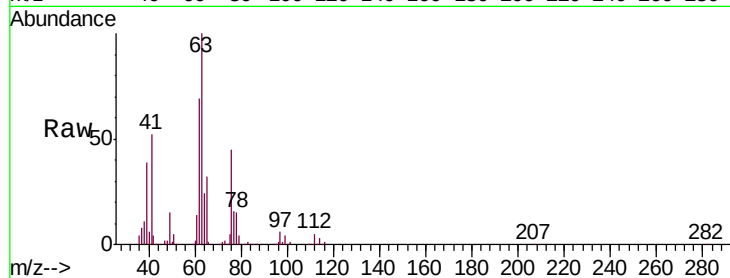




#48
Methyl methacrylate
Concen: 86.722 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. -0.07 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

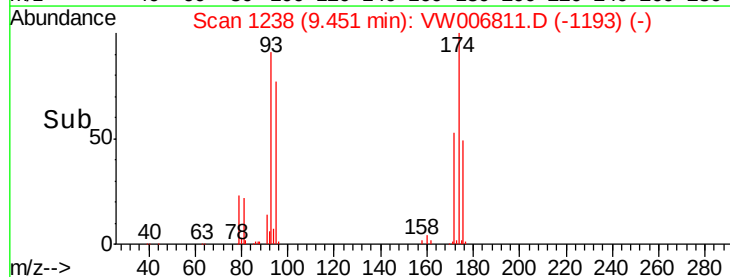
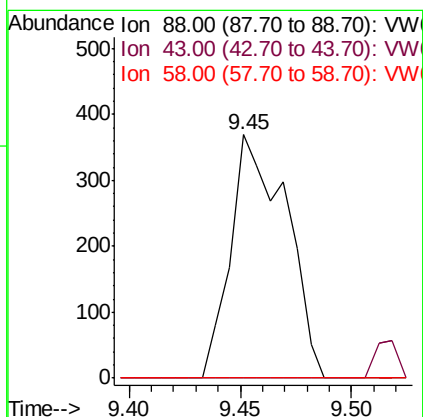
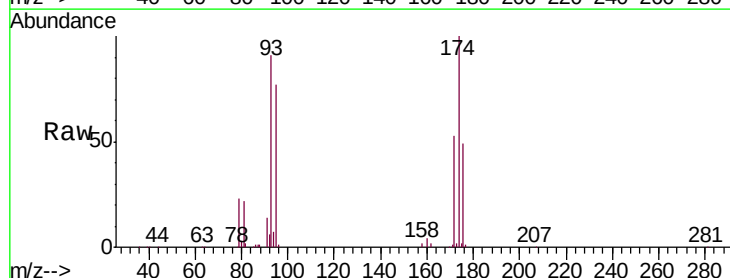
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

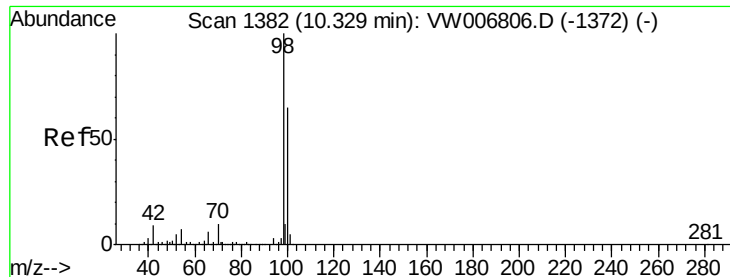
Tgt Ion: 41 Resp: 105503
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 76.7 45.9 68.9#



#49
1,4-Dioxane
Concen: 30.142 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion: 88 Resp: 641
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 50.6 75.8#





#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

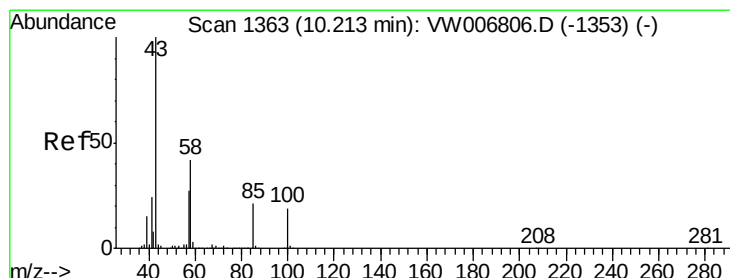
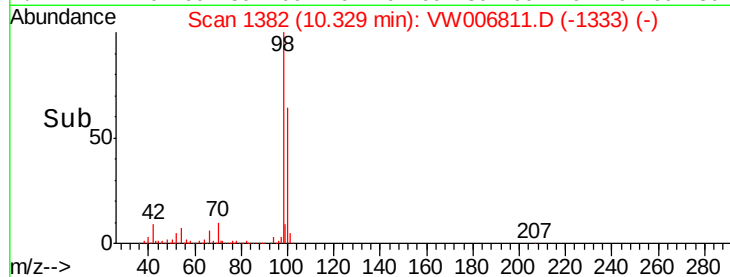
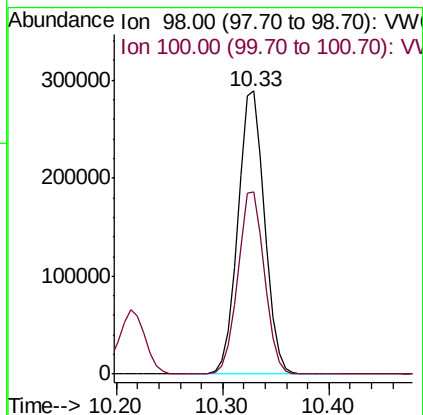
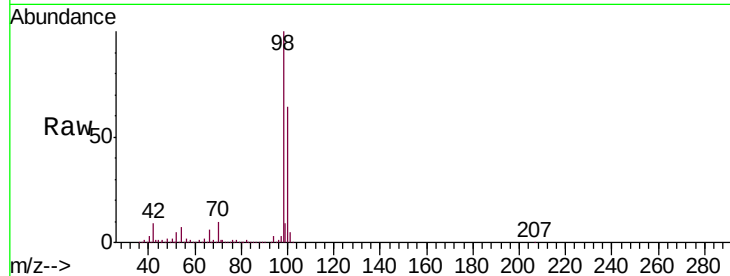
PT-VOA-SOIL

Tgt Ion: 98 Resp: 507093

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2



#51

4-Methyl-2-Pentanone

Concen: 471.795 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006811.D

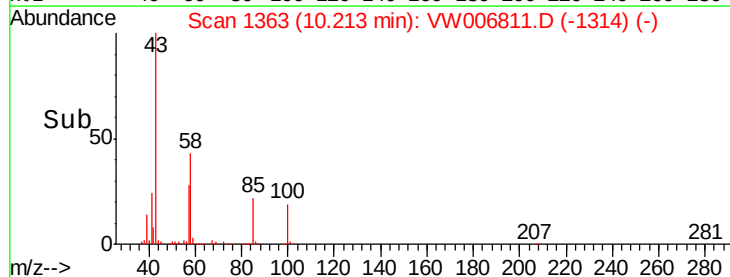
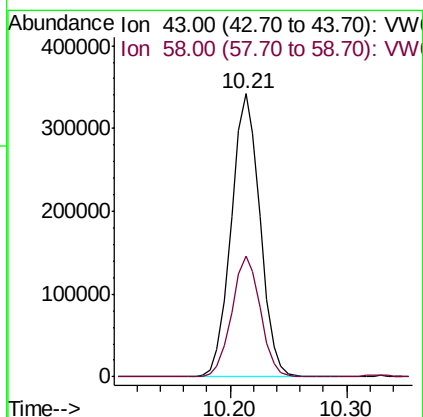
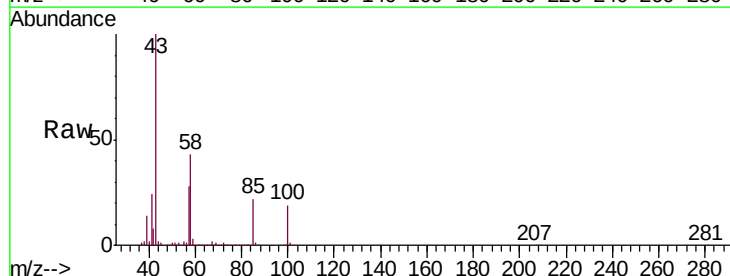
Acq: 12 Nov 2018 16:36

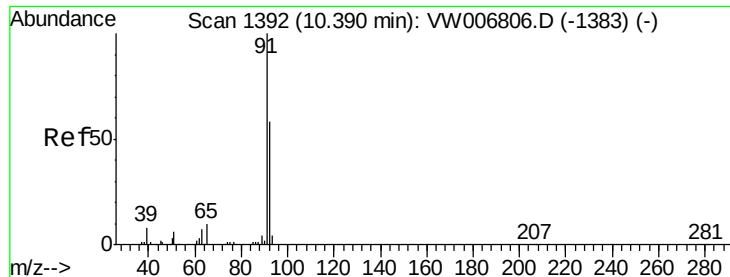
Tgt Ion: 43 Resp: 587021

Ion Ratio Lower Upper

43 100

58 42.6 34.0 51.0





#52

Toluene

Concen: 170.167 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

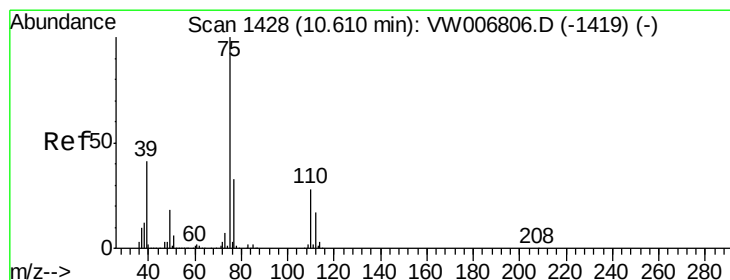
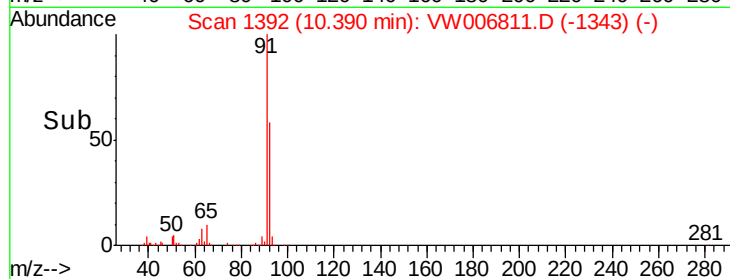
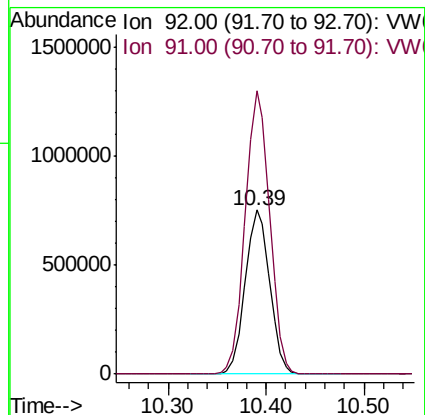
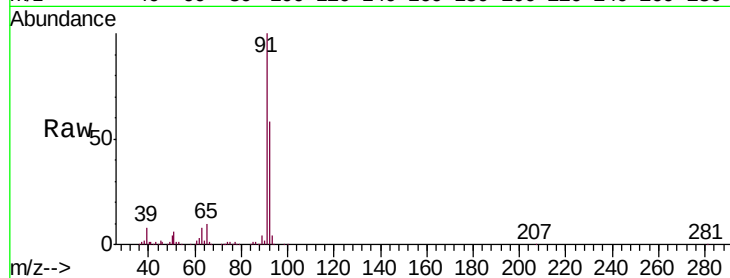
PT-VOA-SOIL

Tgt Ion: 92 Resp: 1308880

Ion Ratio Lower Upper

92 100

91 172.3 139.4 209.2



#53

t-1,3-Dichloropropene

Concen: 48.883 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006811.D

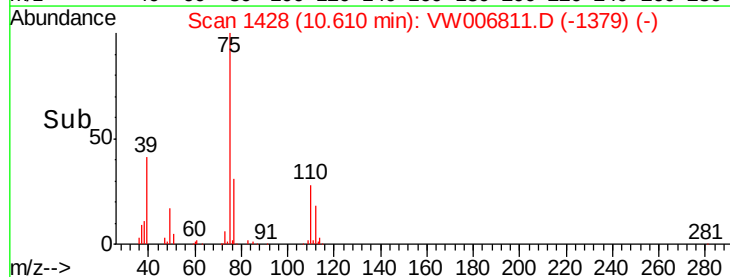
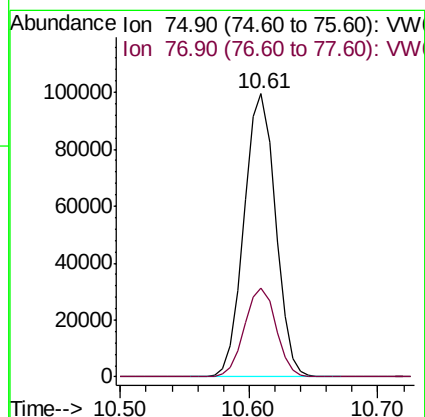
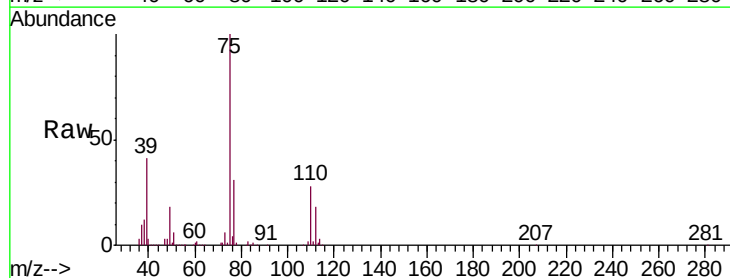
Acq: 12 Nov 2018 16:36

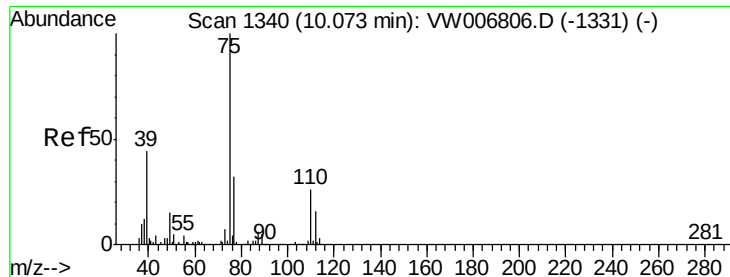
Tgt Ion: 75 Resp: 168014

Ion Ratio Lower Upper

75 100

77 31.2 26.3 39.5





#54

cis-1,3-Dichloropropene

Concen: 120.571 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

PT-VOA-SOIL

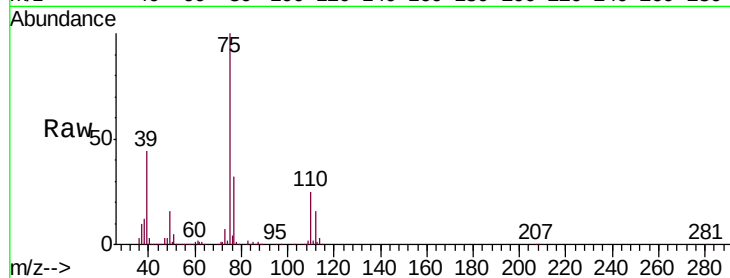
Tgt Ion: 75 Resp: 491403

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

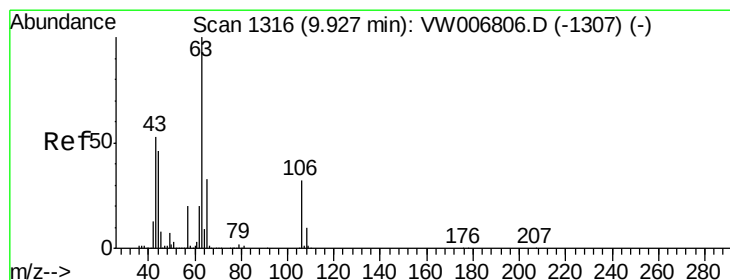
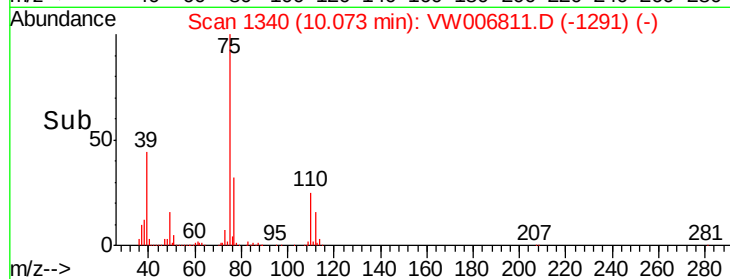
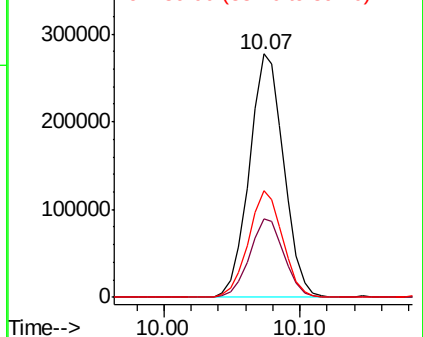
39 43.8 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 1.219 ug/l

RT: 9.96 min Scan# 1322

Delta R.T. 0.04 min

Lab File: VW006811.D

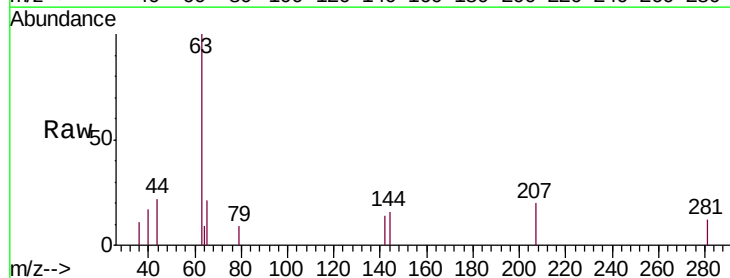
Acq: 12 Nov 2018 16:36

Tgt Ion: 63 Resp: 1398

Ion Ratio Lower Upper

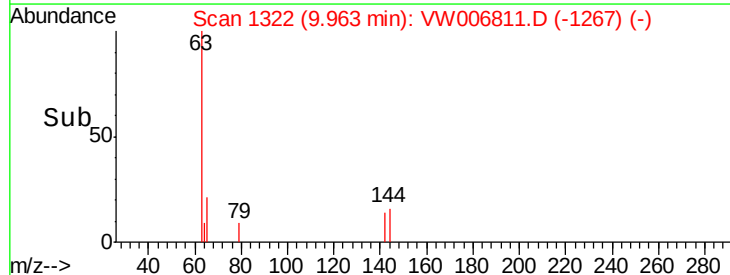
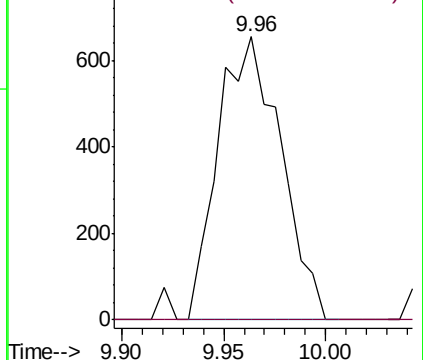
63 100

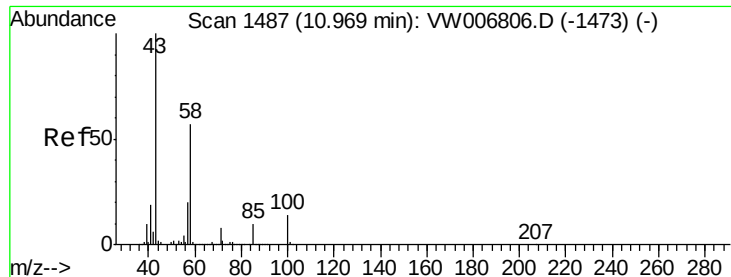
106 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

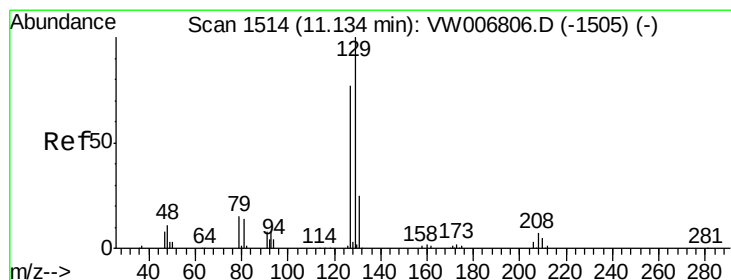
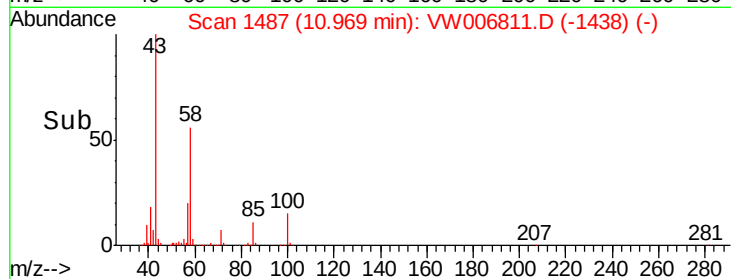
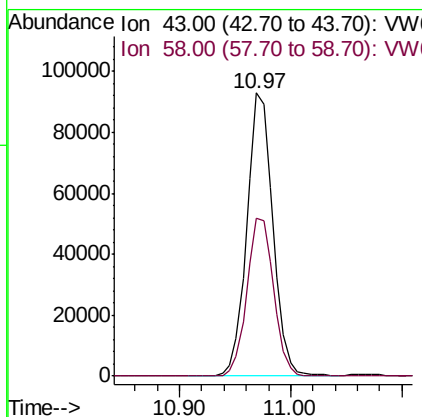
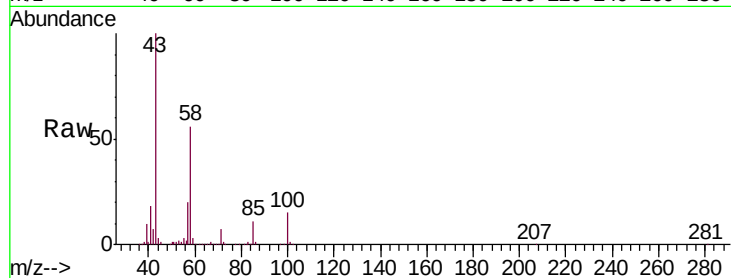




#59
2-Hexanone
Concen: 175.889 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

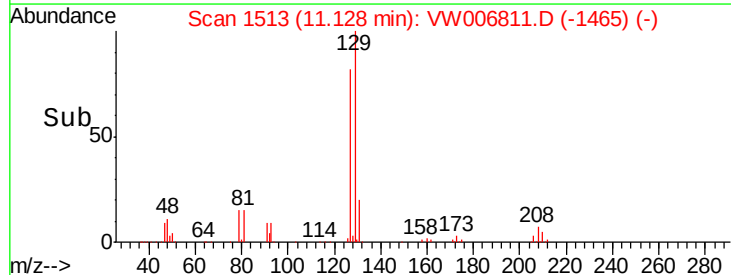
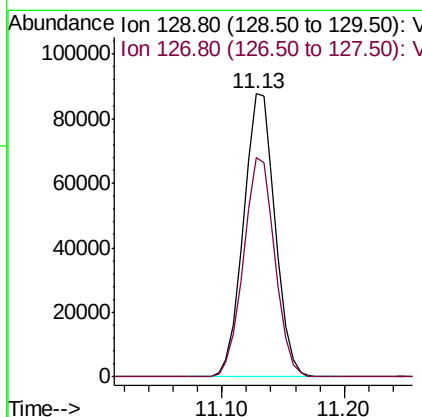
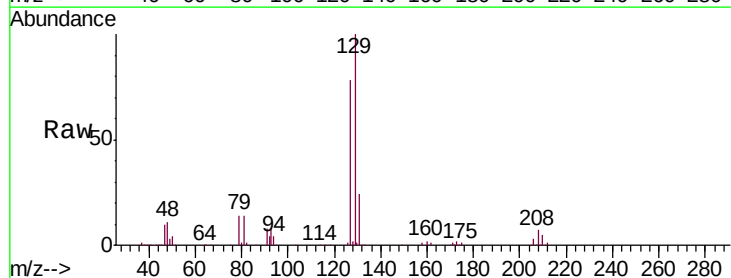
Instrument :
MSVOA_W
ClientSampled :
PT-VOA-SOIL

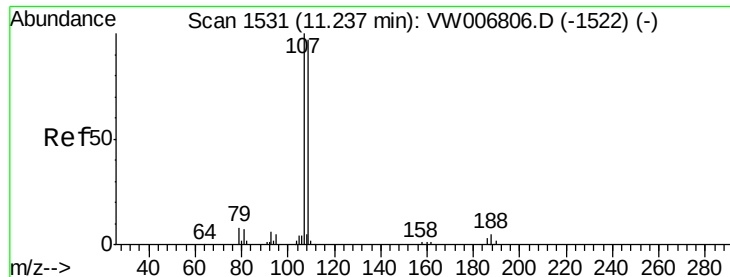
Tgt Ion: 43 Resp: 150952
Ion Ratio Lower Upper
43 100
58 57.6 28.7 86.1



#60
Dibromochloromethane
Concen: 61.443 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion: 129 Resp: 157038
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 142.673 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

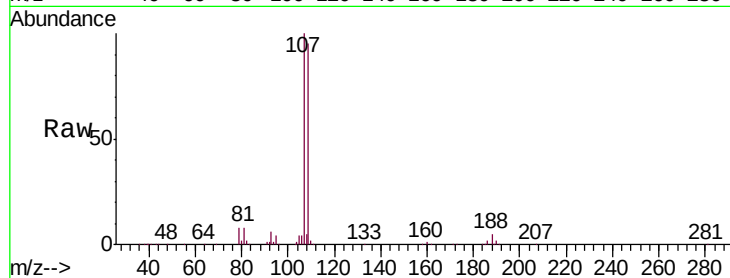
PT-VOA-SOIL

Tgt Ion: 107 Resp: 283022

Ion Ratio Lower Upper

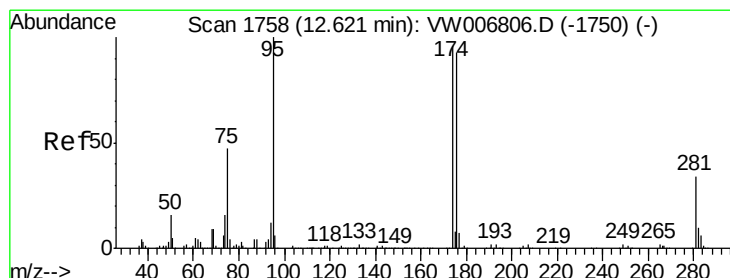
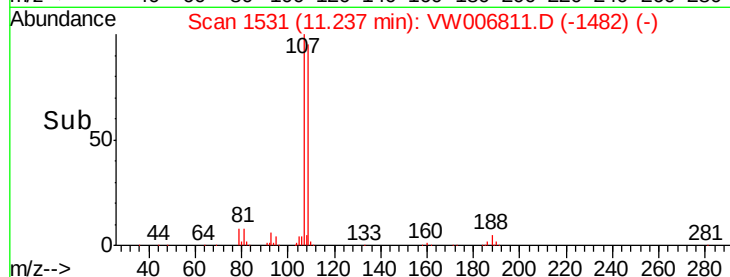
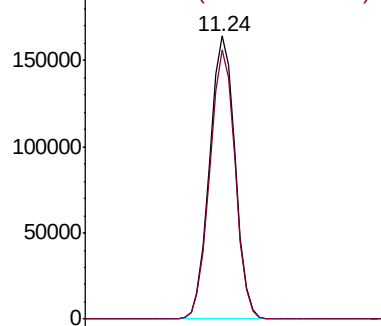
107 100

109 94.7 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.776 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

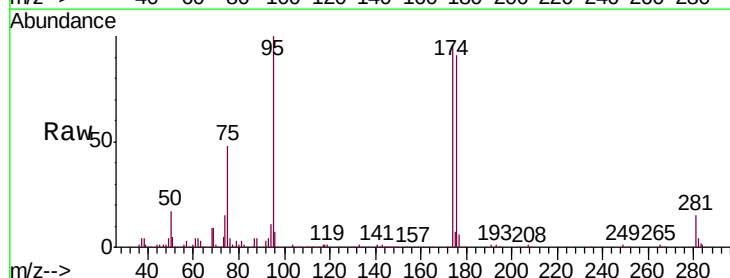
Tgt Ion: 95 Resp: 181083

Ion Ratio Lower Upper

95 100

174 98.0 0.0 196.6

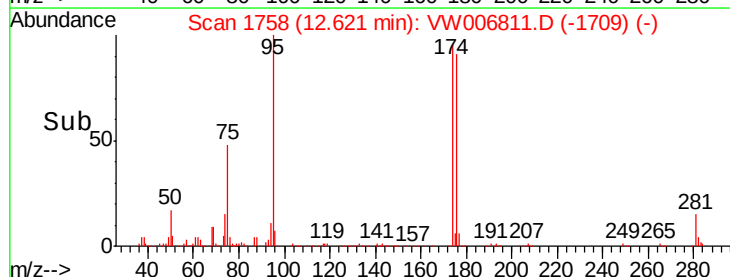
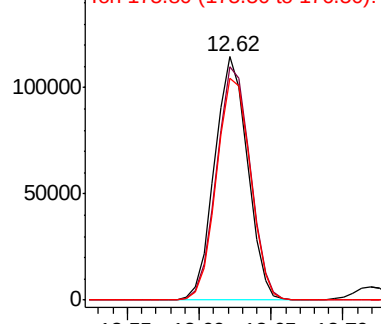
176 94.3 0.0 191.6

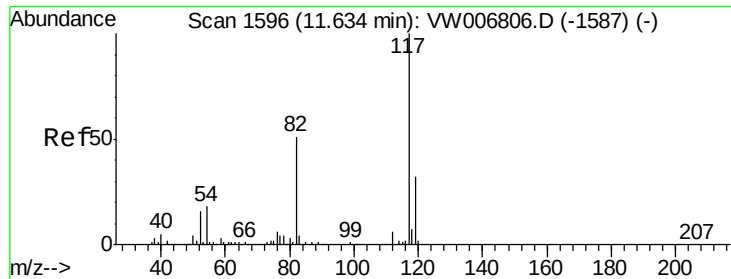


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

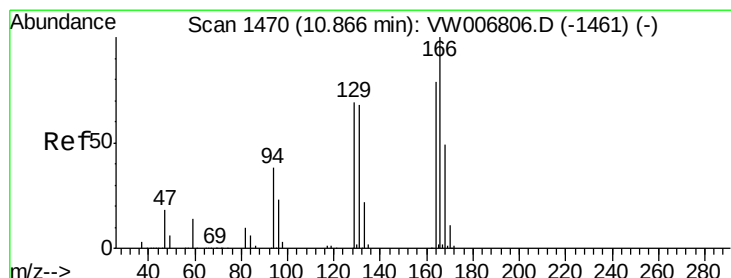
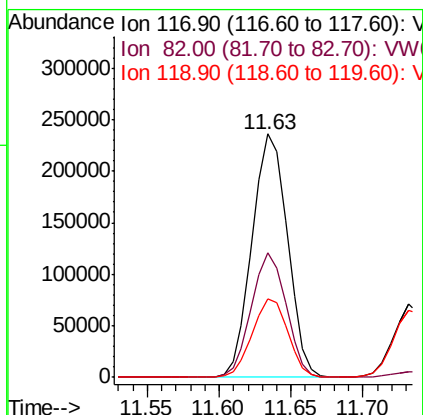
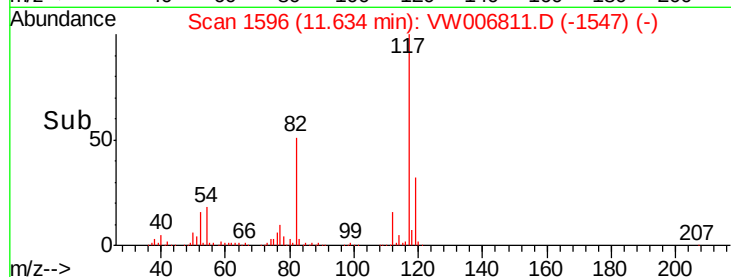
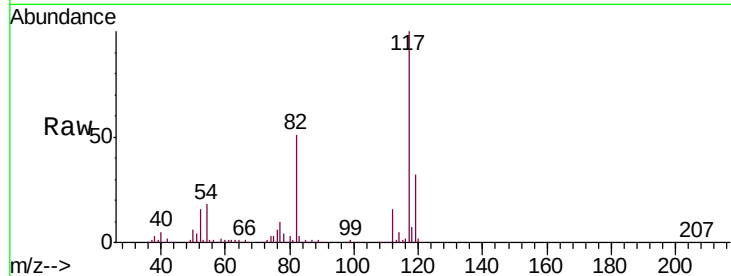




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

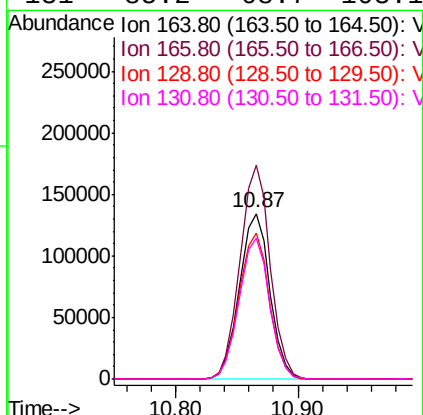
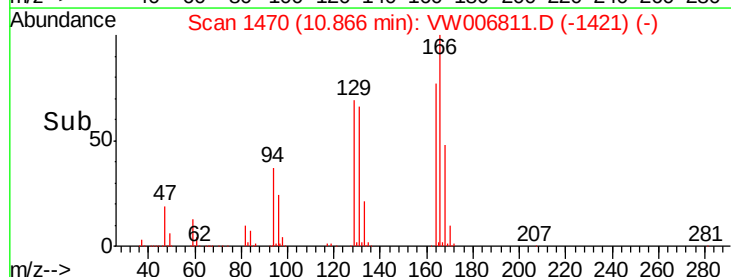
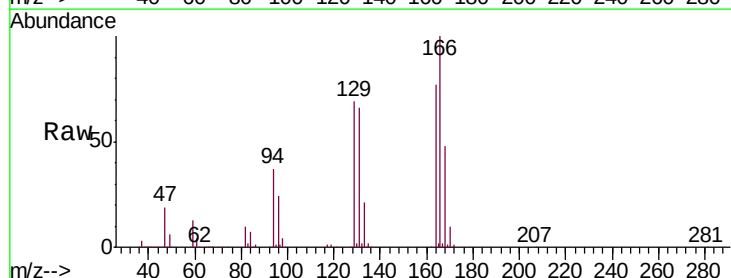
Instrument :
MSVOA_W
ClientSampled :
PT-VOA-SOIL

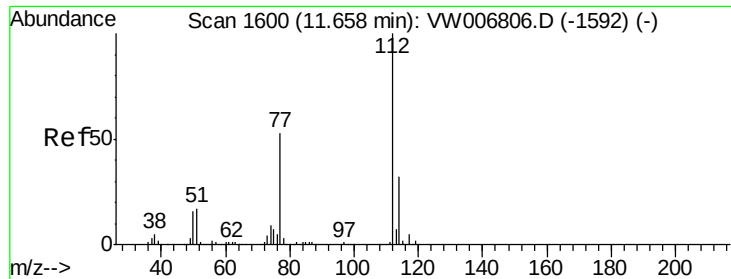
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.6	61.0
119	32.3	25.5	38.3



#64
Tetrachloroethene
Concen: 71.578 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.3	151.9
129	88.5	69.6	104.4
131	85.2	68.7	103.1

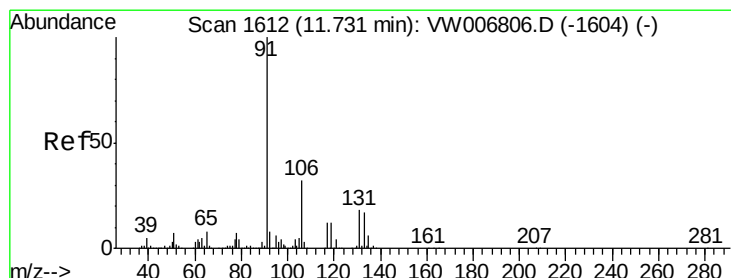
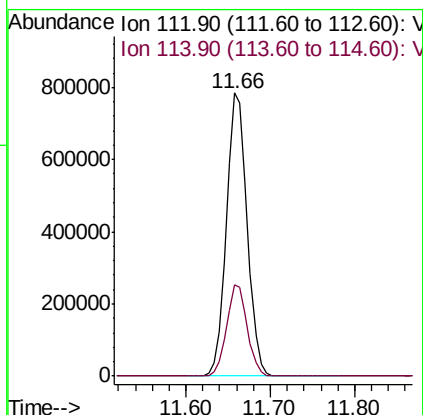
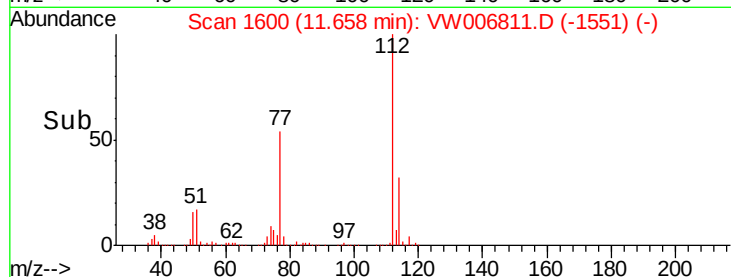
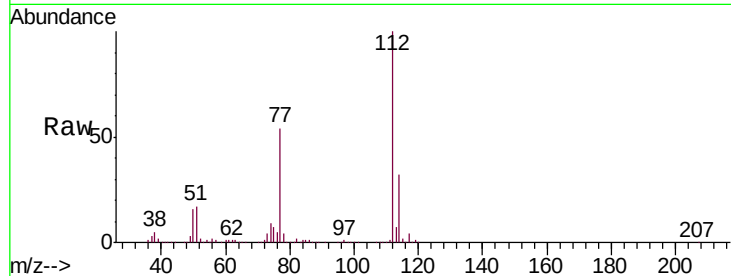




#65
Chlorobenzene
Concen: 146.947 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

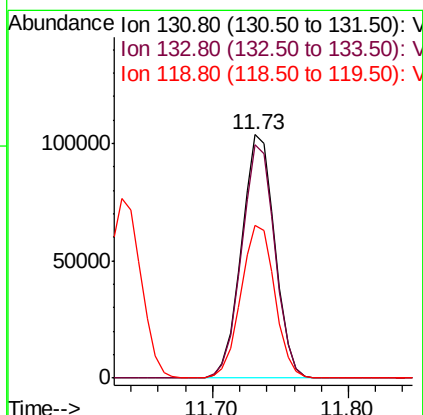
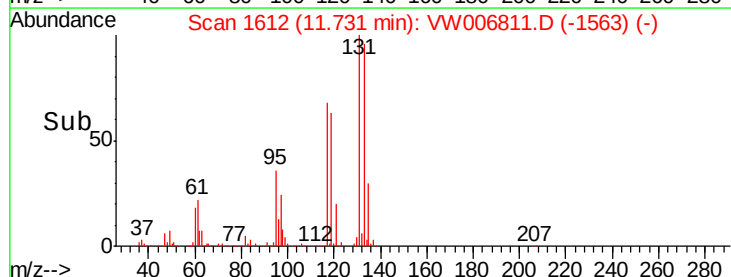
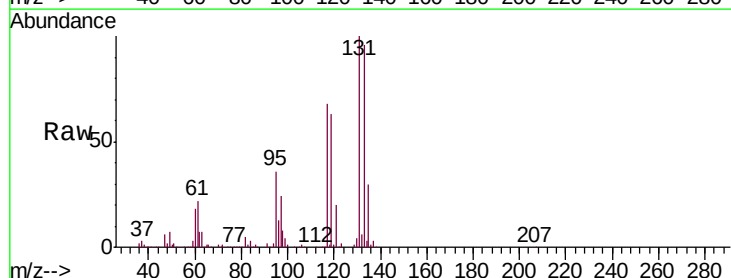
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

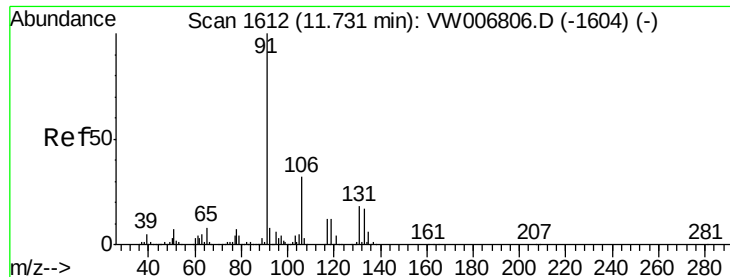
Tgt Ion:112 Resp: 1312982
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 61.166 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion:131 Resp: 177340
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 64.1 32.4 97.2

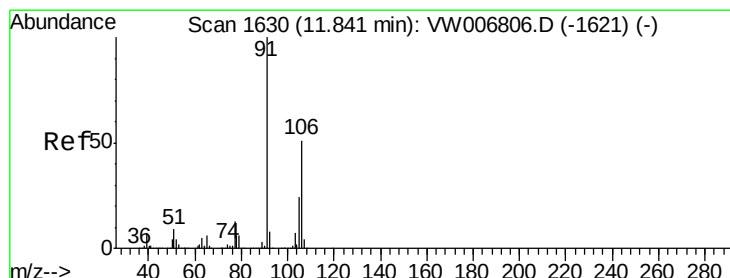
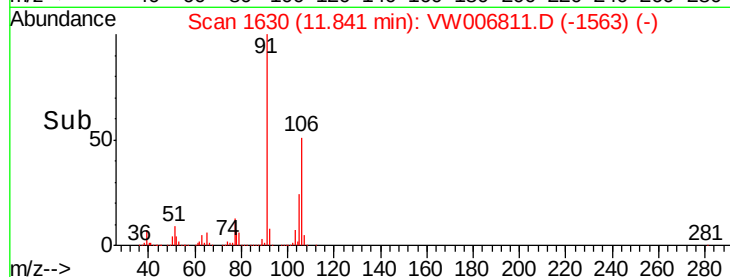
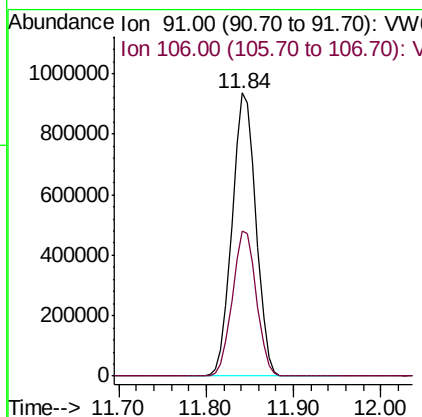
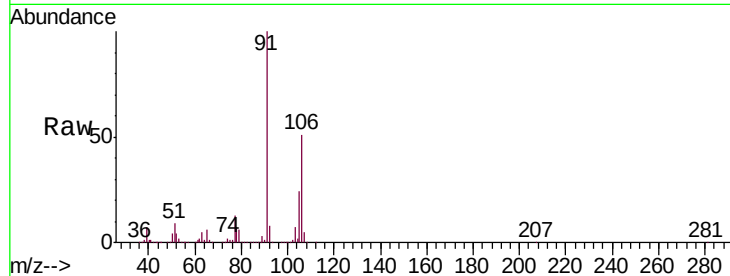




#67
 Ethyl Benzene
 Concen: 116.673 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.11 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

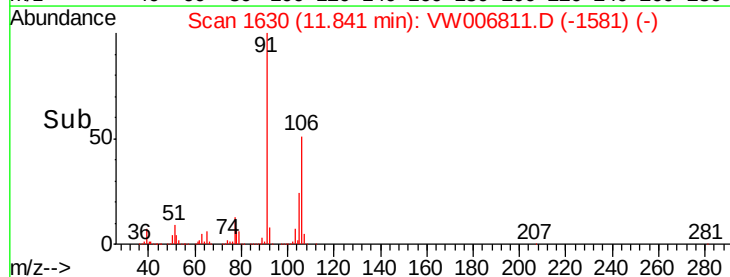
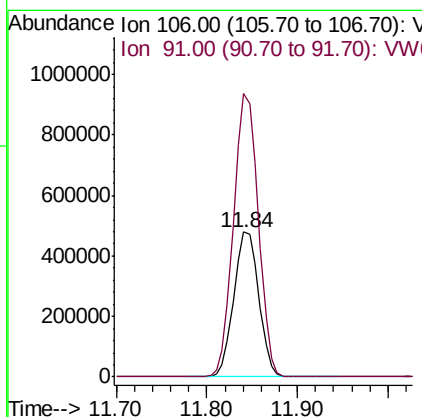
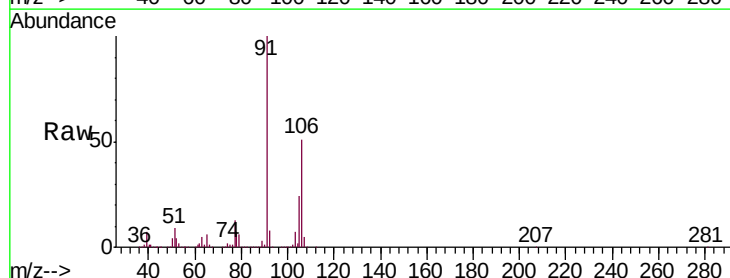
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

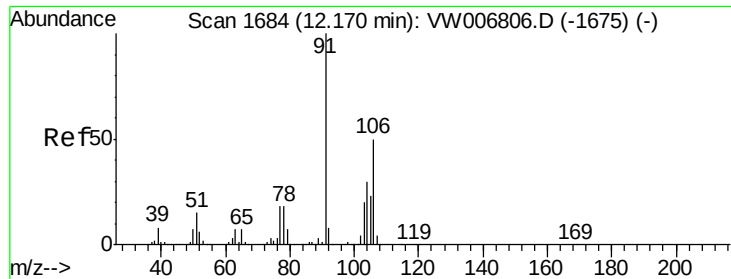
Tgt Ion: 91 Resp: 1777213
 Ion Ratio Lower Upper
 91 100
 106 51.1 25.4 38.0#



#68
 m/p-Xylenes
 Concen: 147.011 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion: 106 Resp: 916230
 Ion Ratio Lower Upper
 106 100
 91 194.0 155.7 233.5

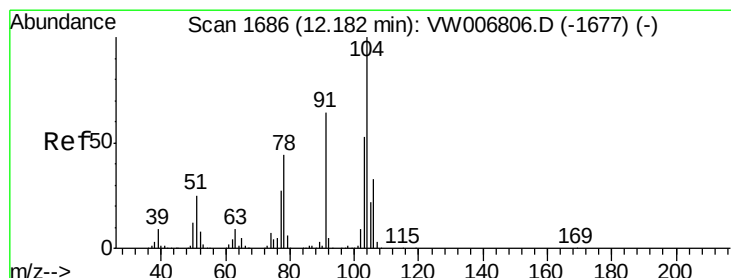
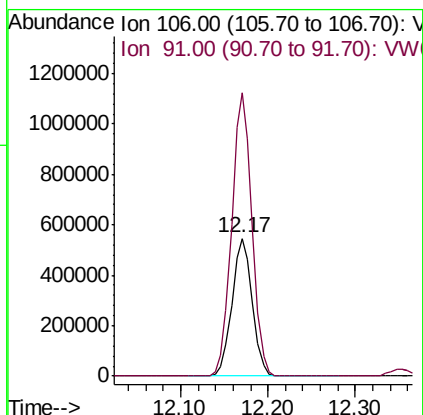
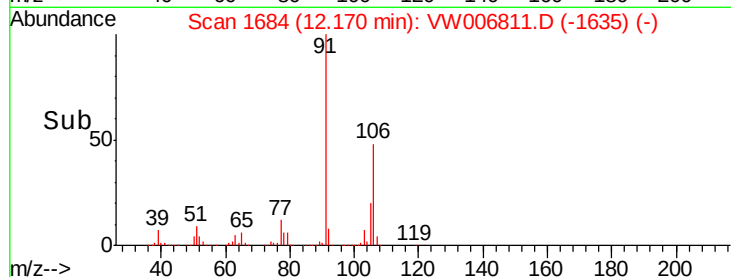
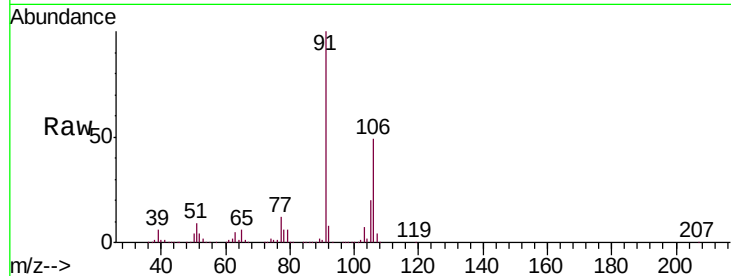




#69
o-Xylene
Concen: 151.453 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

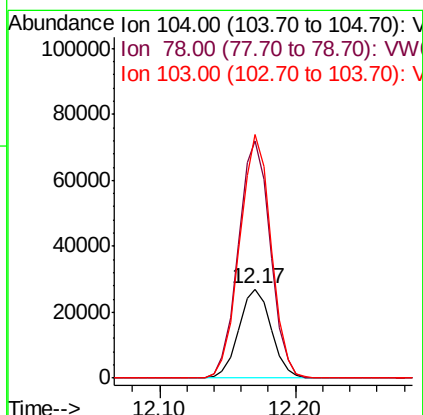
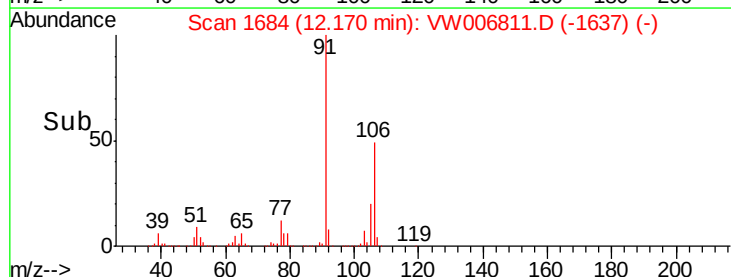
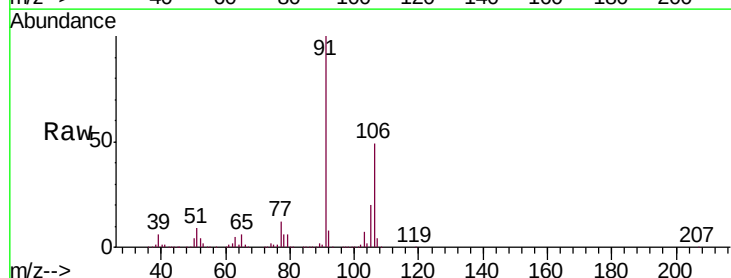
Instrument :
MSVOA_W
ClientSampled :
PT-VOA-SOIL

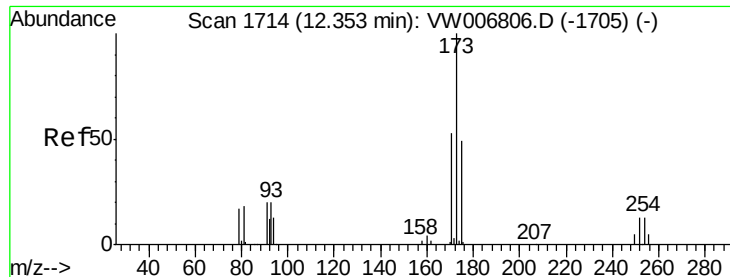
Tgt Ion:106 Resp: 878486
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7



#70
Styrene
Concen: 4.835 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion:104 Resp: 44886
Ion Ratio Lower Upper
104 100
78 263.6 37.3 55.9#
103 265.0 44.6 66.8#





#71

Bromoform

Concen: 151.261 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

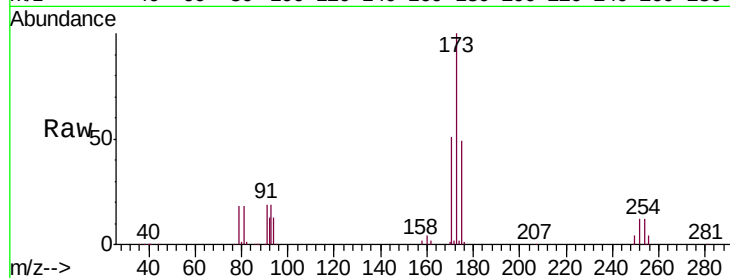
Tgt Ion:173 Resp: 239340

Ion Ratio Lower Upper

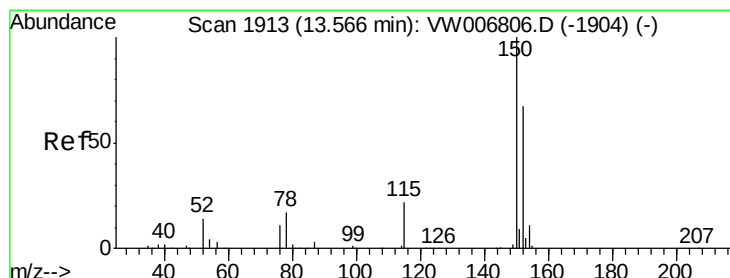
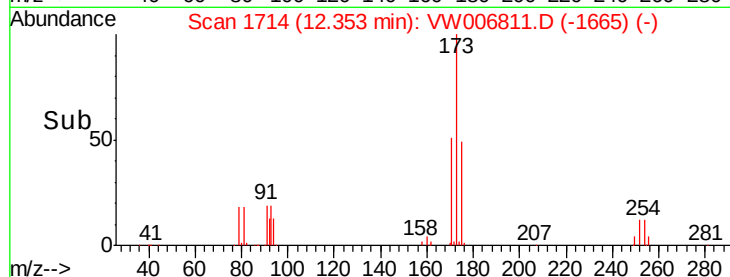
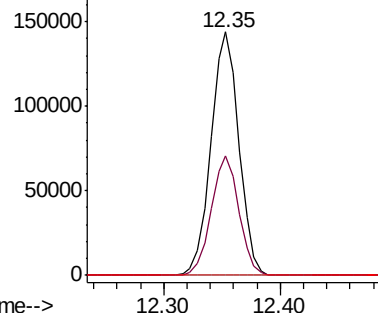
173 100

175 48.6 24.4 73.4

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

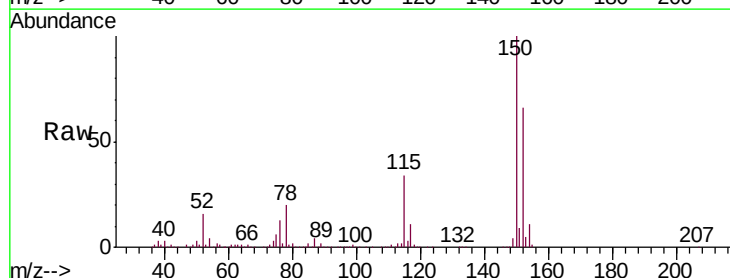
Tgt Ion:152 Resp: 212099

Ion Ratio Lower Upper

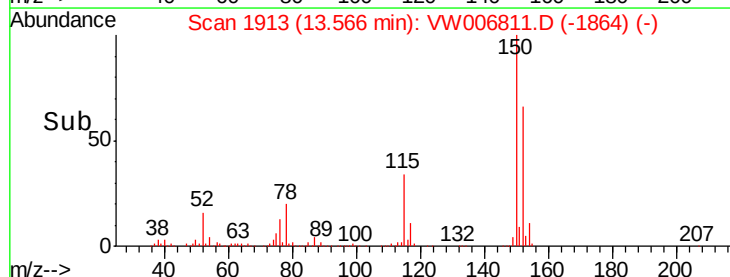
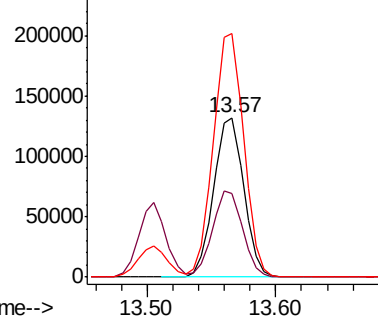
152 100

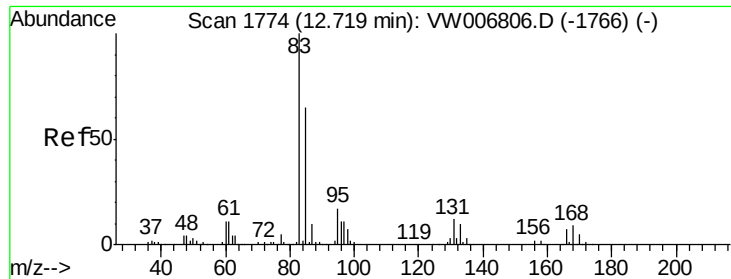
115 54.3 27.3 81.8

150 155.2 0.0 353.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: 30.793 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

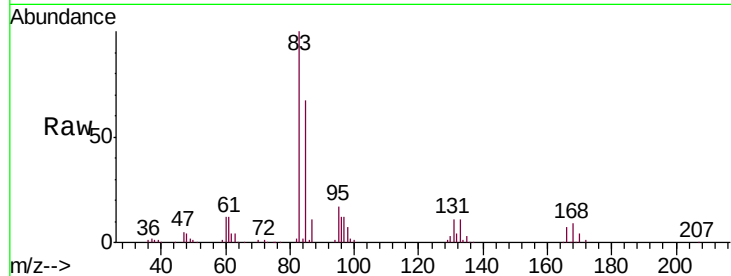
Tgt Ion: 83 Resp: 62715

Ion Ratio Lower Upper

83 100

131 10.9 6.1 18.3

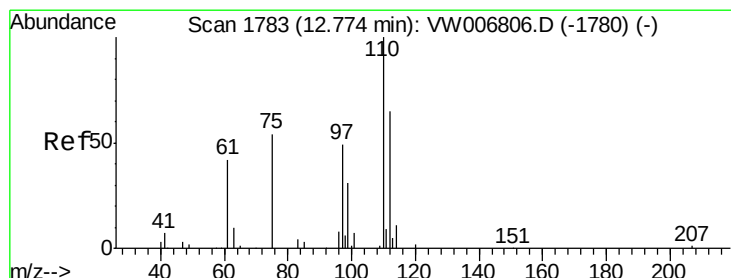
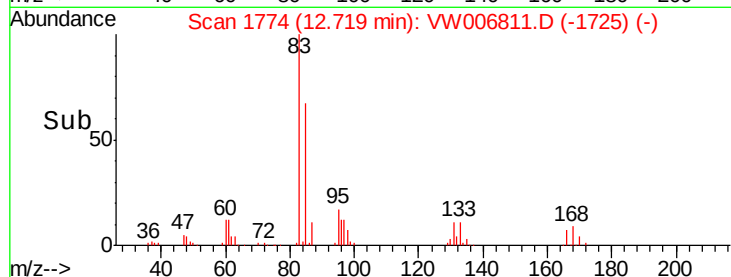
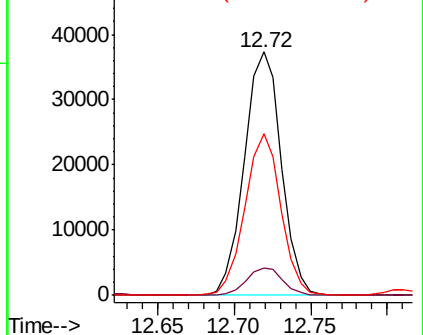
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.651 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW006811.D

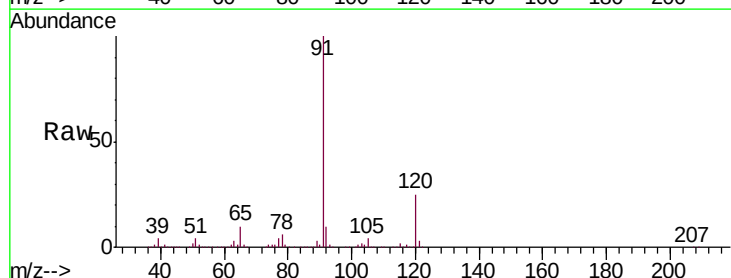
Acq: 12 Nov 2018 16:36

Tgt Ion: 75 Resp: 7109

Ion Ratio Lower Upper

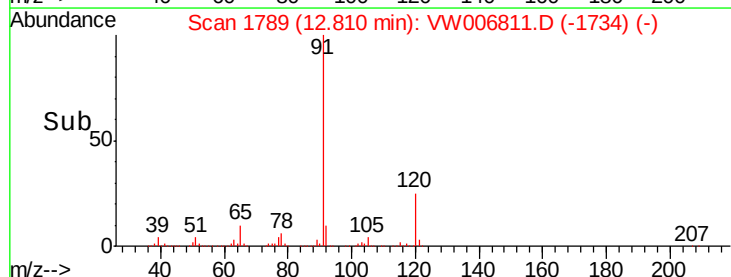
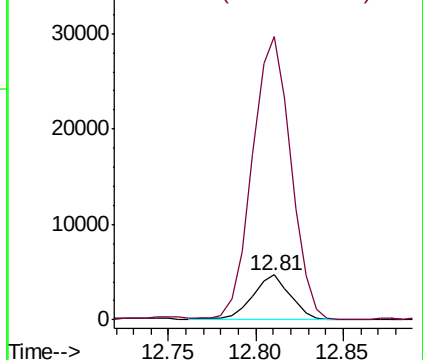
75 100

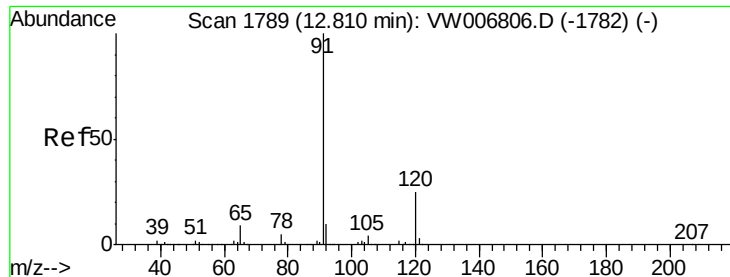
77 642.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 69.912 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

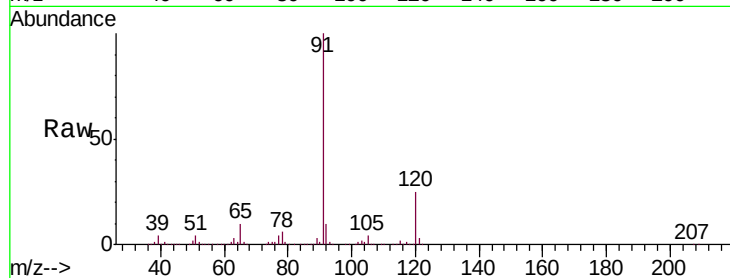
PT-VOA-SOIL

Tgt Ion: 91 Resp: 1214793

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

800000

600000

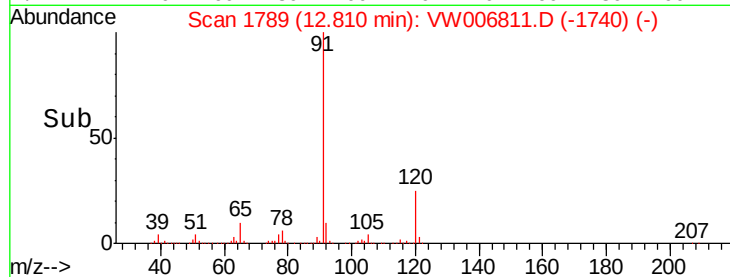
400000

200000

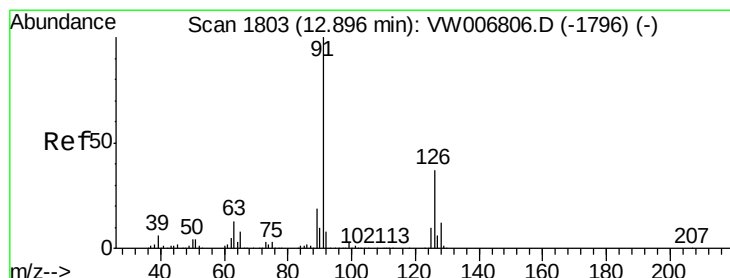
0

12.70 12.80 12.90

12.81



Time-->



#79

2-Chlorotoluene

Concen: 124.609 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW006811.D

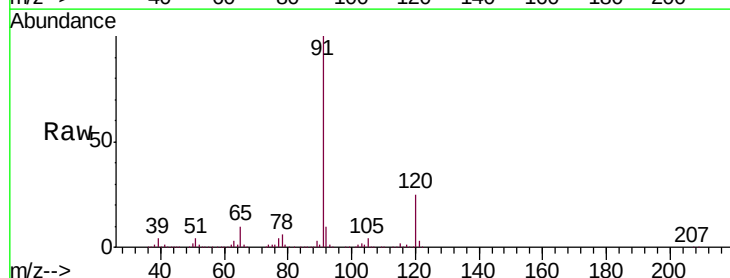
Acq: 12 Nov 2018 16:36

Tgt Ion: 91 Resp: 1214793

Ion Ratio Lower Upper

91 100

126 0.0 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

800000

600000

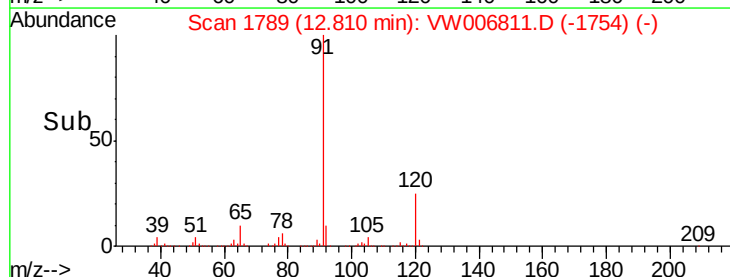
400000

200000

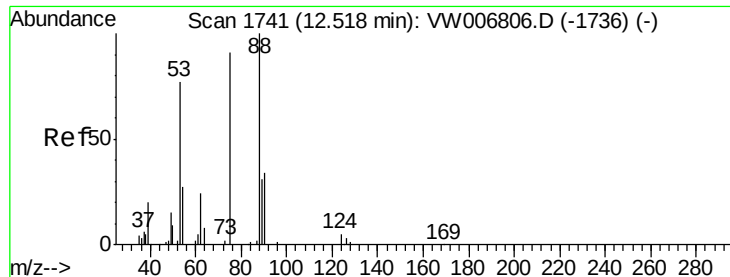
0

12.70 12.80 12.90

12.81



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 140.939 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

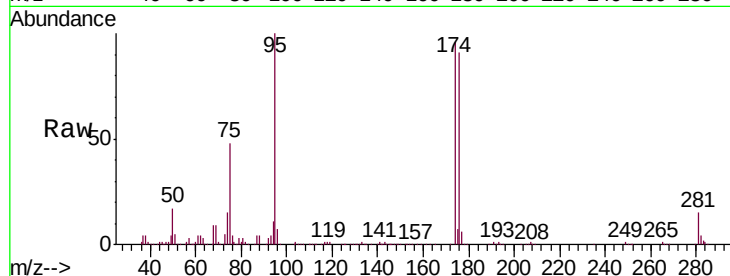
Tgt Ion: 75 Resp: 87092

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

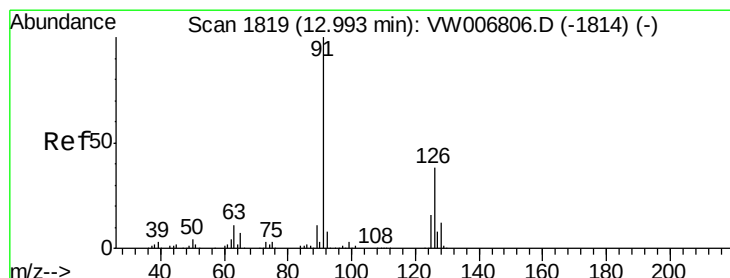
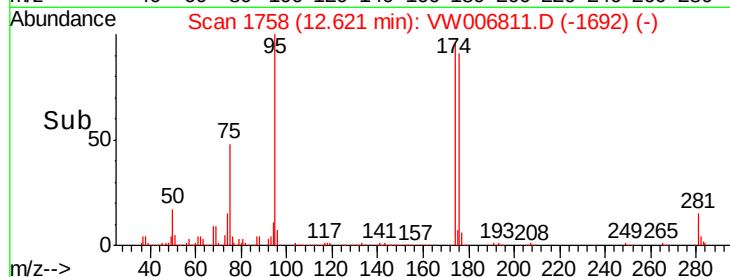
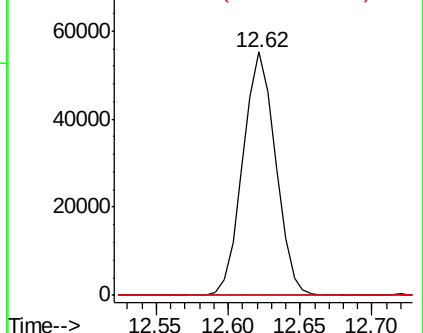
89 0.0 38.7 58.1#



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



#82

4-Chlorotoluene

Concen: 116.790 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.18 min

Lab File: VW006811.D

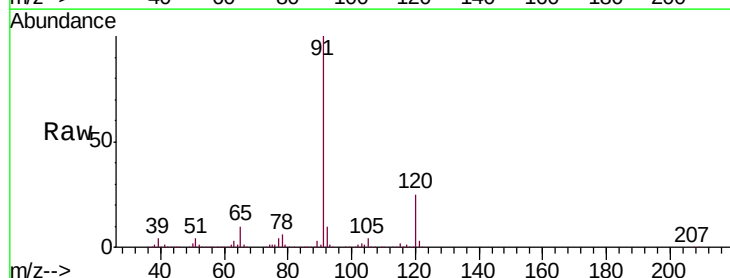
Acq: 12 Nov 2018 16:36

Tgt Ion: 91 Resp: 1214793

Ion Ratio Lower Upper

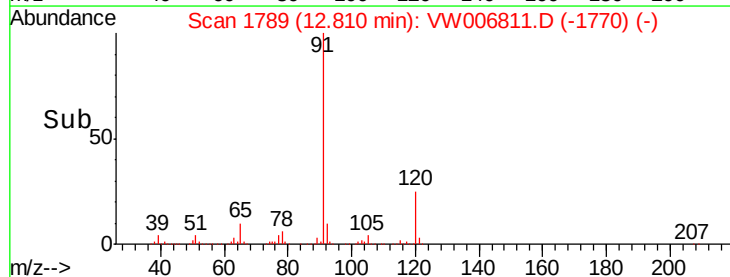
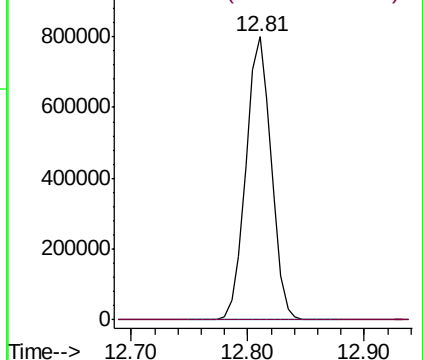
91 100

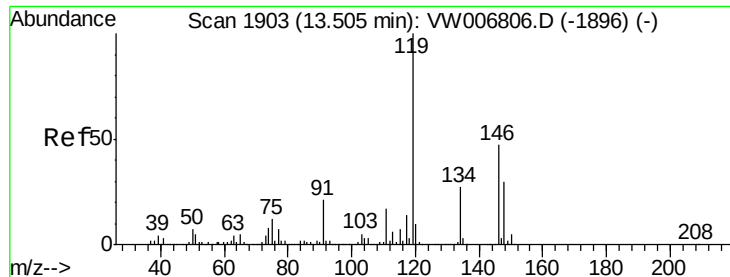
126 0.0 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

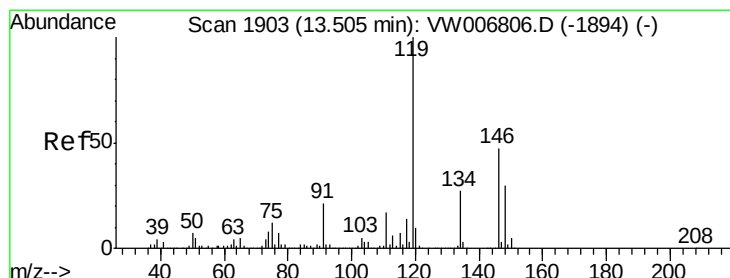
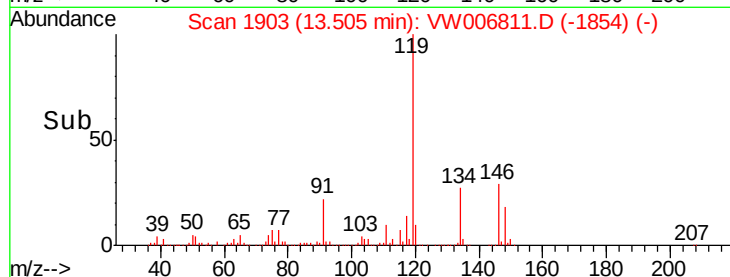
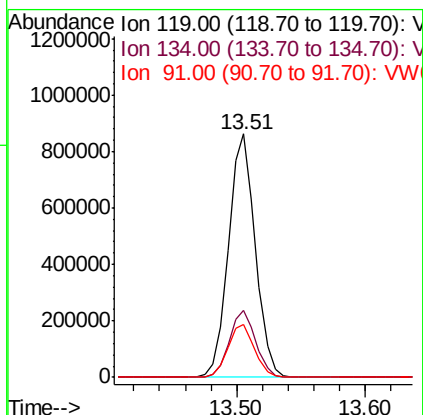
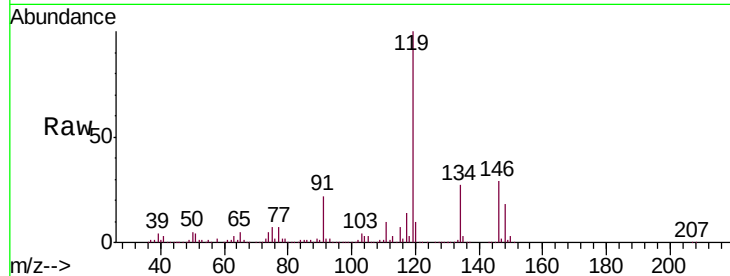




#86
p-Isopropyltoluene
Concen: 86.492 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

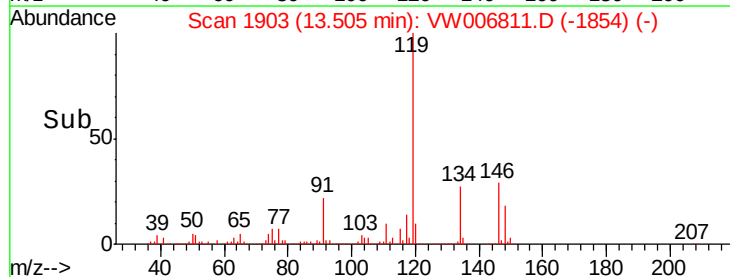
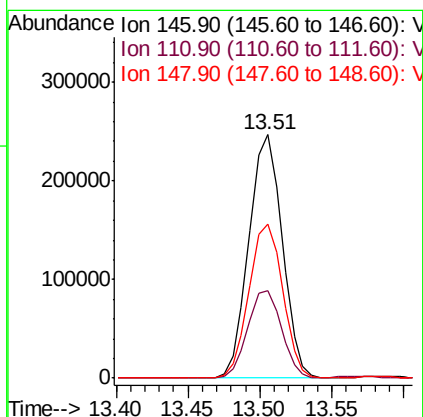
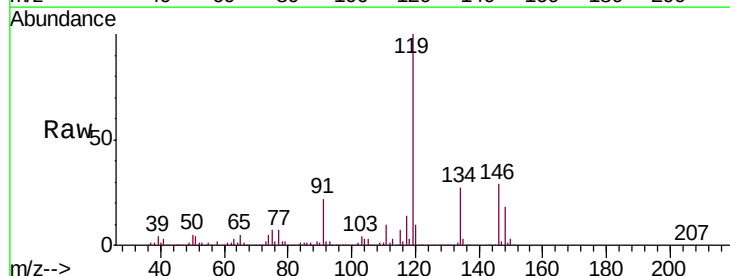
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

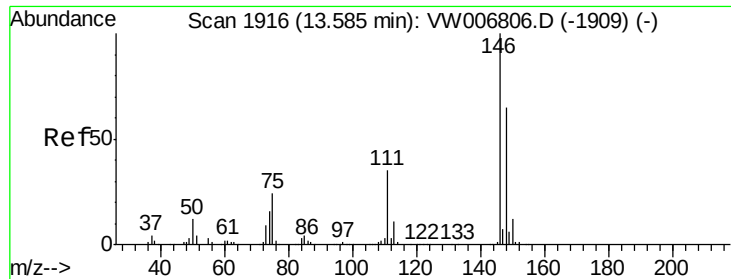
Tgt Ion:119 Resp: 1247207
Ion Ratio Lower Upper
119 100
134 27.3 13.5 40.4
91 22.0 10.8 32.4



#87
1,3-Dichlorobenzene
Concen: 52.345 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006811.D
Acq: 12 Nov 2018 16:36

Tgt Ion:146 Resp: 395988
Ion Ratio Lower Upper
146 100
111 36.6 18.3 54.9
148 64.3 31.9 95.9

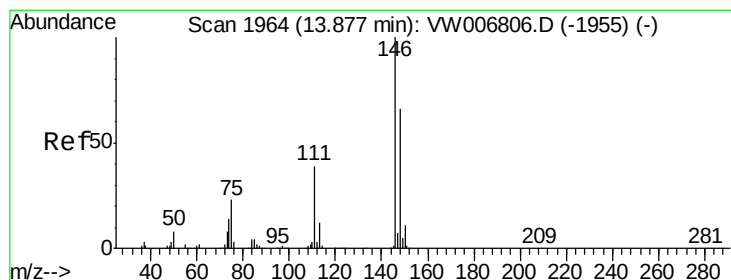
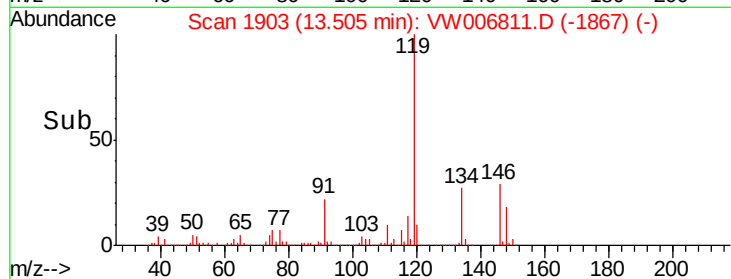
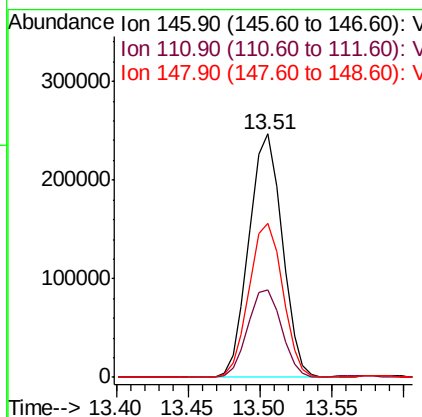
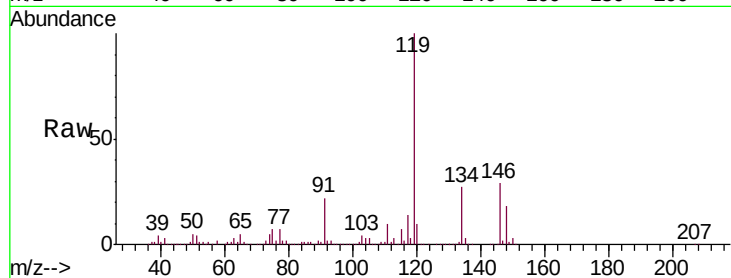




#88
 1,4-Dichlorobenzene
 Concen: 52.907 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.08 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

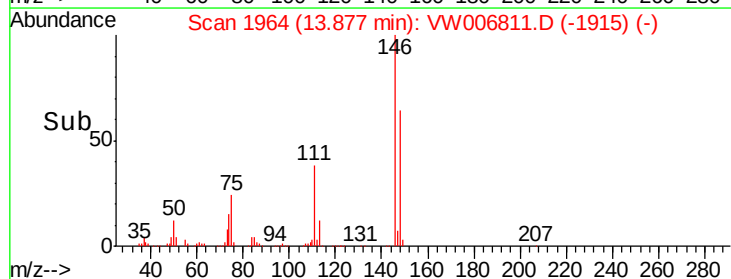
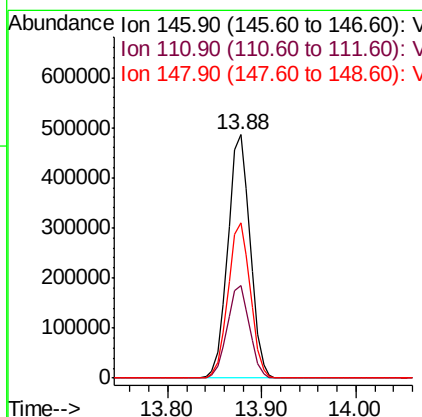
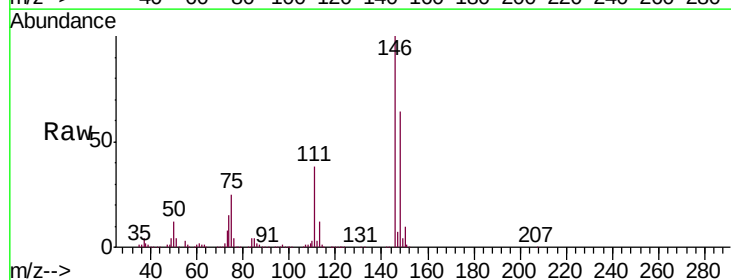
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

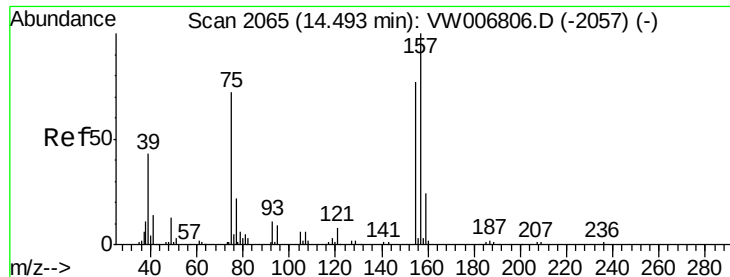
Tgt Ion:146 Resp: 395988
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.8 53.3
 148 64.3 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 120.484 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006811.D
 Acq: 12 Nov 2018 16:36

Tgt Ion:146 Resp: 793753
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.8
 148 64.0 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 96.006 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

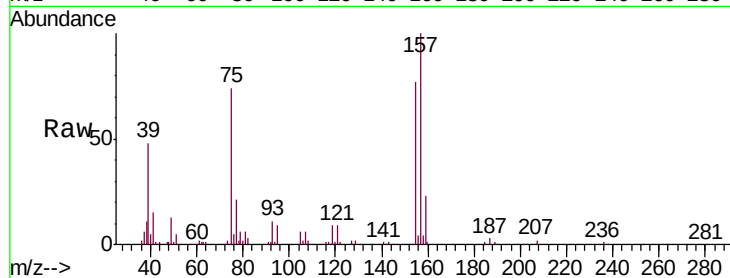
Tgt Ion: 75 Resp: 31304

Ion Ratio Lower Upper

75 100

155 102.4 51.0 153.1

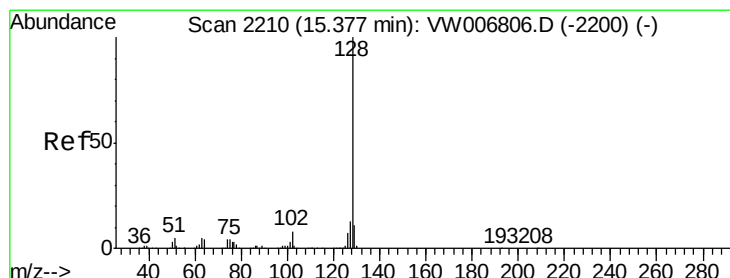
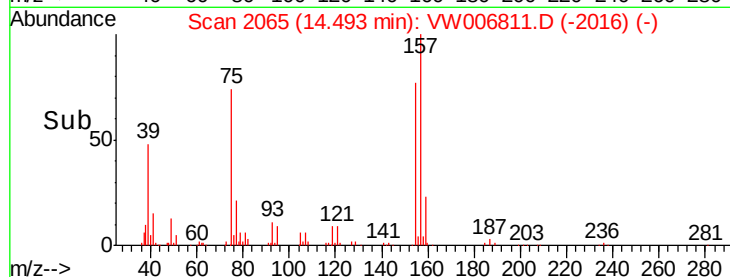
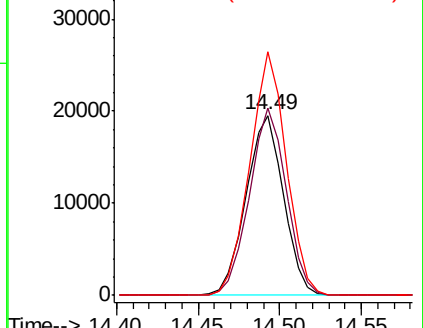
157 131.9 67.4 202.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 105.074 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006811.D

Acq: 12 Nov 2018 16:36

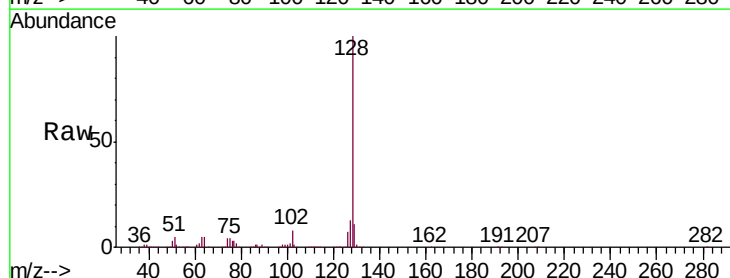
Tgt Ion: 128 Resp: 781645

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

