

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002552.D
 Acq On : 15 May 2018 15:25
 Operator : JC/SY
 Sample : J2604-23DL 4X
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: May 15 15:49:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	311939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	123055	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	109462	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	10.33	98	421387	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.63	95	146827	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.03	96	49731	26.18	ug/l	97
16) Acetone	4.12	43	109490	220.99	ug/l	100
20) Methylene Chloride	4.91	84	17596	6.54	ug/l	91
21) trans-1,2-Dichloroethene	5.41	96	103880	50.59	ug/l	99
22) Diisopropyl ether	6.31	45	88471	14.17	ug/l	96
24) 1,1-Dichloroethane	6.21	63	108022	28.71	ug/l	98
25) 2-Butanone	7.17	43	104001	148.44	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	59112	25.23	ug/l	94
28) Bromochloromethane	7.51	49	15930	9.48	ug/l	100
30) Chloroform	7.67	83	86738	21.59	ug/l	95
31) Cyclohexane	7.94	56	5250	1.57	ug/l #	34
32) 1,1,1-Trichloroethane	7.87	97	122401	40.39	ug/l	99
38) Carbon Tetrachloride	8.06	117	52141	17.49	ug/l	97
44) Trichloroethene	9.09	130	29807	12.44	ug/l	93
45) 1,2-Dichloropropane	9.37	63	58627	26.32	ug/l	98
47) Bromodichloromethane	9.65	83	132069	44.67	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	147718	92.62	ug/l	100
59) 2-Hexanone	10.98	43	56981	51.75	ug/l	97
60) Dibromochloromethane	11.13	129	100323	47.60	ug/l	100
61) 1,2-Dibromoethane	11.24	107	25839	14.99	ug/l	99
64) Tetrachloroethene	10.87	164	31221	14.20	ug/l	93
65) Chlorobenzene	11.66	112	204088	32.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	13472	6.06	ug/l	98
67) Ethyl Benzene	11.74	91	546518	51.76	ug/l	99
68) m/p-Xylenes	11.85	106	117554	28.63	ug/l	99
69) o-Xylene	12.18	106	106851	27.39	ug/l	98
70) Styrene	12.19	104	93616	14.42	ug/l	91
71) Bromoform	12.36	173	37224	28.49	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	92908	43.55	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	31810	19.70	ug/l #	100
79) 2-Chlorotoluene	12.90	91	349416	48.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	389034	43.30	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	299565	32.12	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	224422	41.30	ug/l	99

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QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration

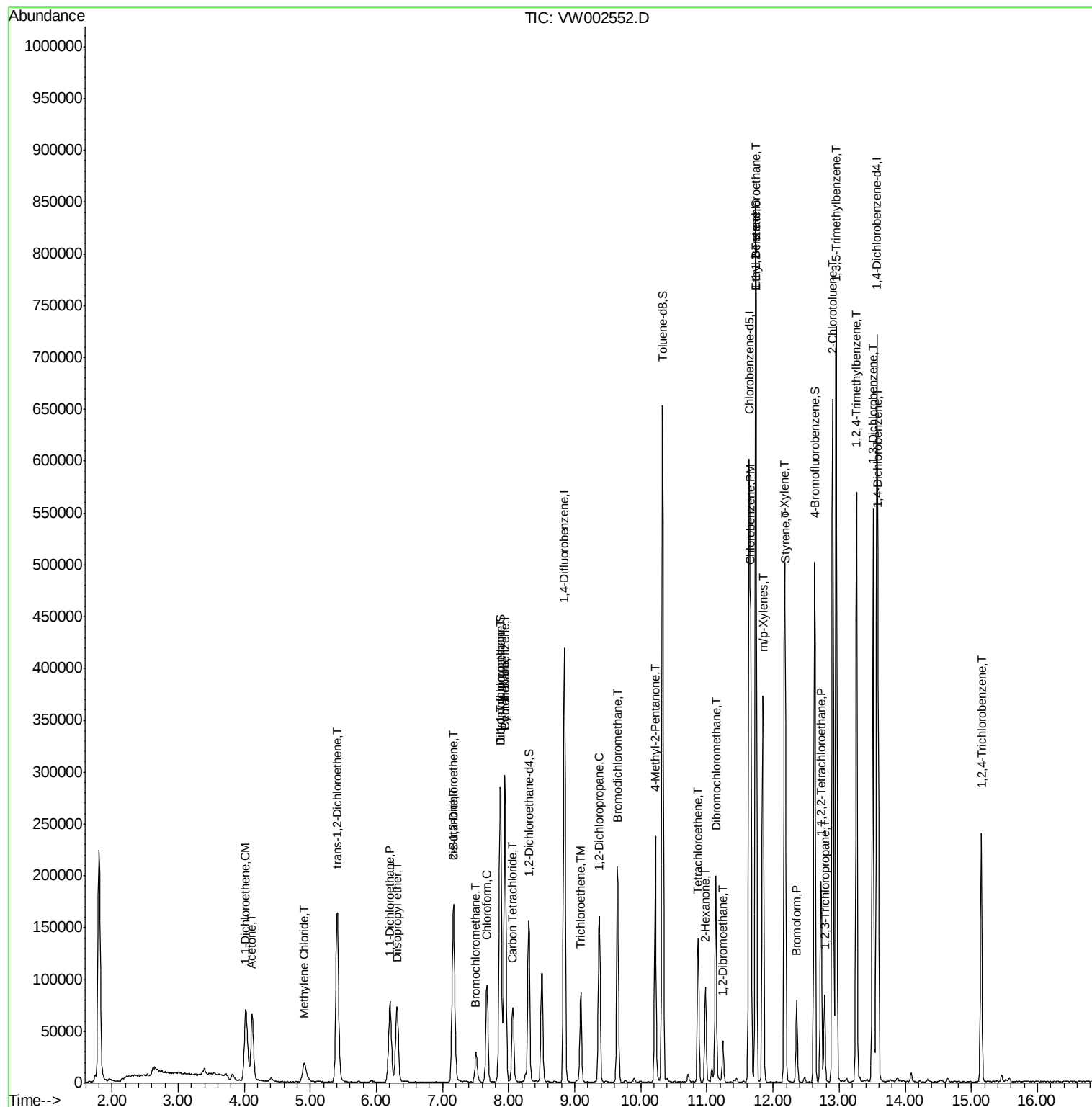
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.59	146	118878	21.99	ug/l	99
93) 1,2,4-Trichlorobenzene	15.15	180	77841	21.69	ug/l	97

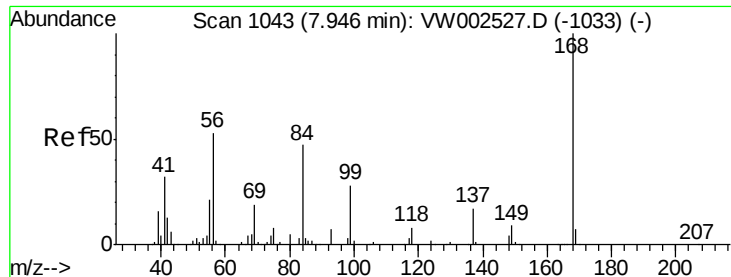
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleID :

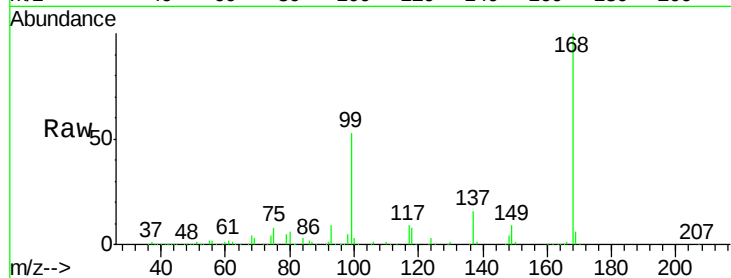
PT-VOA-SOILDL

Tot Ion:168 Resp: 227101

Ion Ratio Lower Upper

168 100

99 52.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

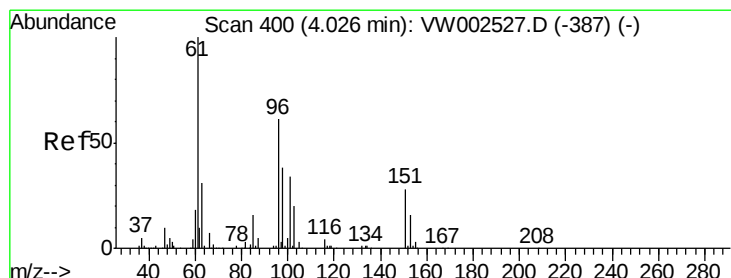
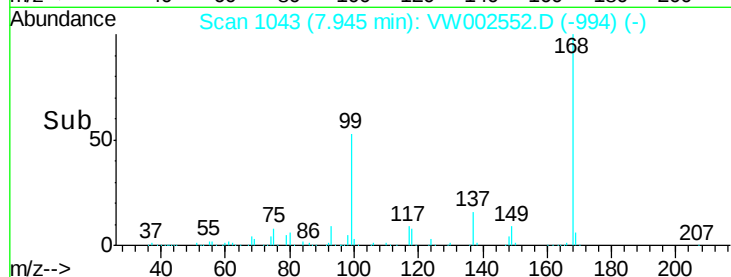
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#12

1,1-Dichloroethene

Concen: 26.18 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

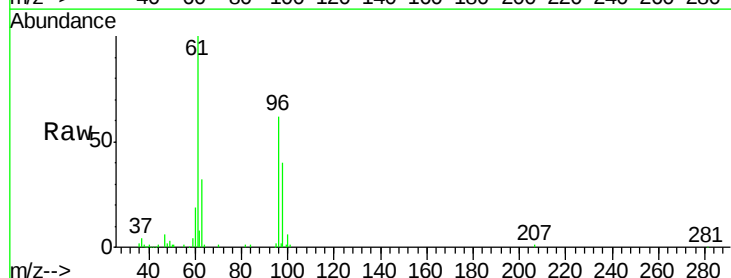
Tgt Ion: 96 Resp: 49731

Ion Ratio Lower Upper

96 100

61 160.1 132.2 198.2

98 63.3 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

4.03

30000

25000

20000

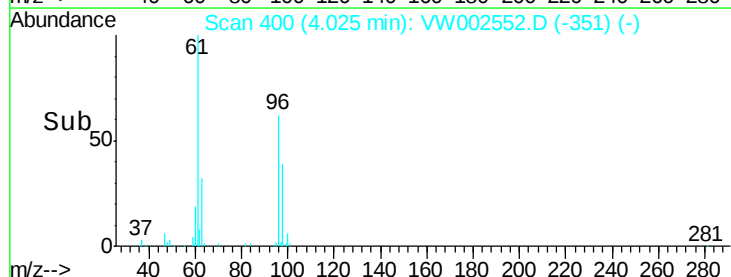
15000

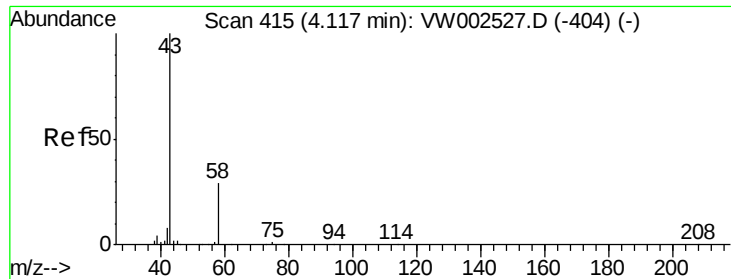
10000

5000

0

Time--> 3.90 4.00 4.10 4.20





#16

Acetone

Concen: 220.99 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

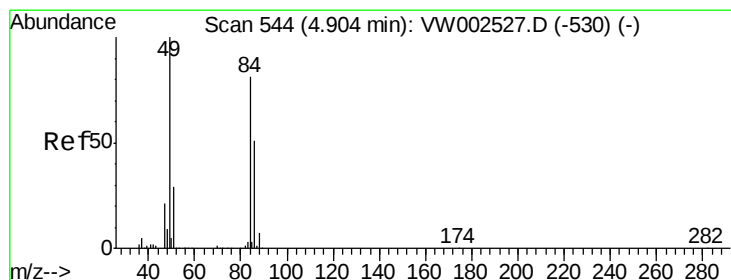
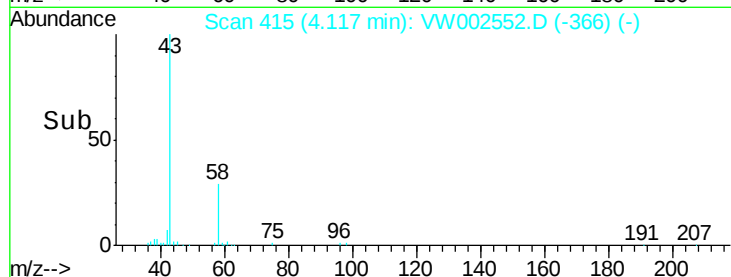
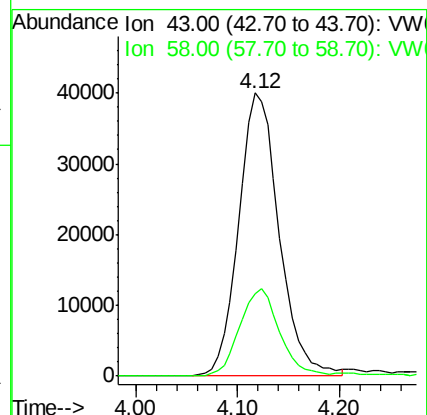
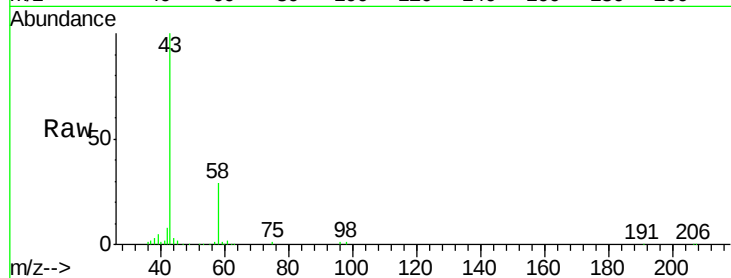
PT-VOA-SOILDL

Tot Ion: 43 Resp: 109490

Ion Ratio Lower Upper

43 100

58 29.1 23.4 35.0



#20

Methylene Chloride

Concen: 6.54 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Tgt Ion: 84 Resp: 17596

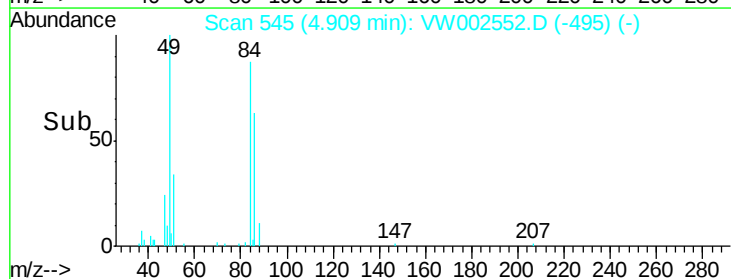
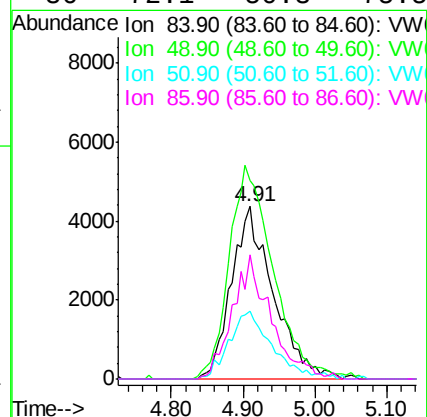
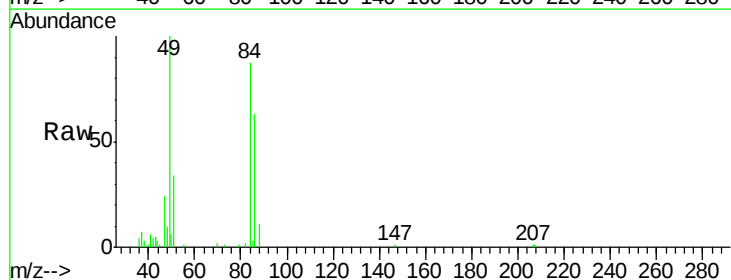
Ion Ratio Lower Upper

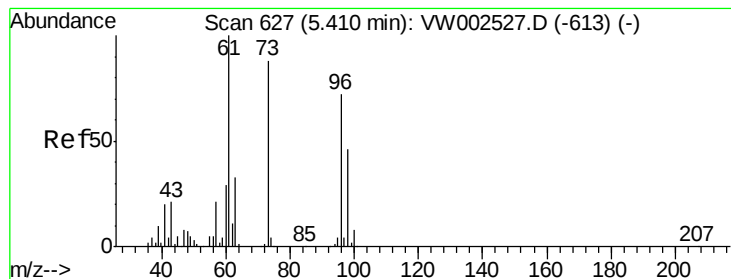
84 100

49 114.8 99.4 149.0

51 39.5 29.0 43.6

86 72.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.59 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

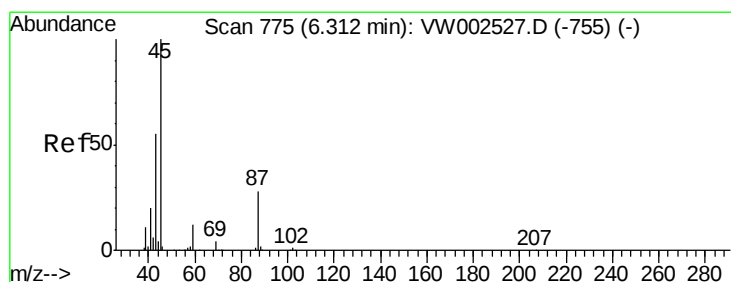
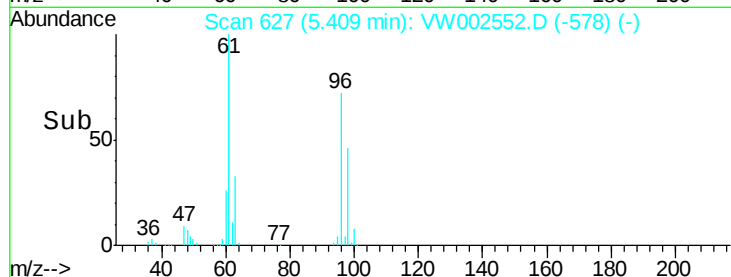
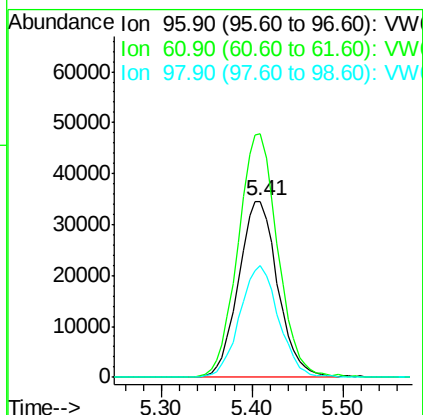
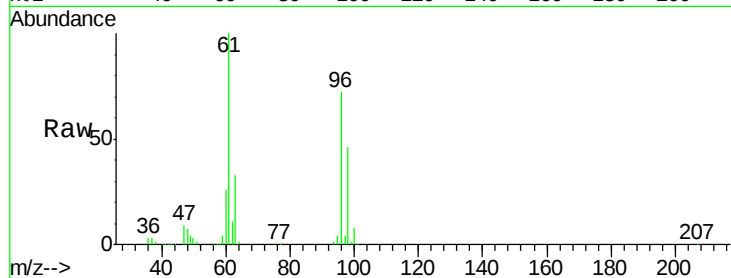
Tot Ion: 96 Resp: 103880

Ion Ratio Lower Upper

96 100

61 138.2 111.6 167.4

98 63.3 51.7 77.5



#22

Diisopropyl ether

Concen: 14.17 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Tgt Ion: 45 Resp: 88471

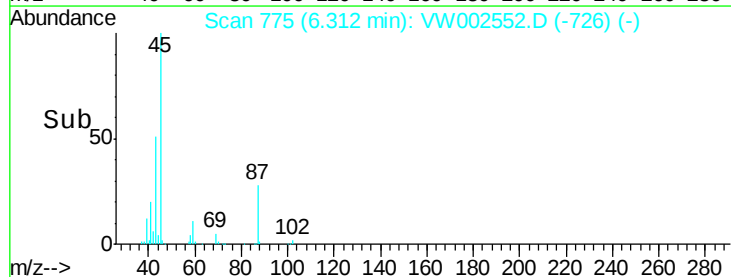
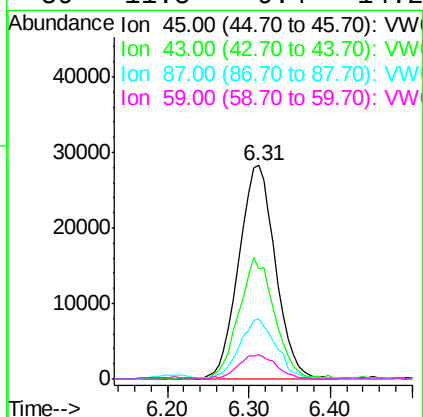
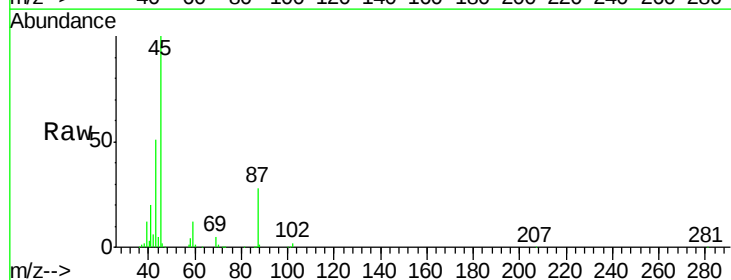
Ion Ratio Lower Upper

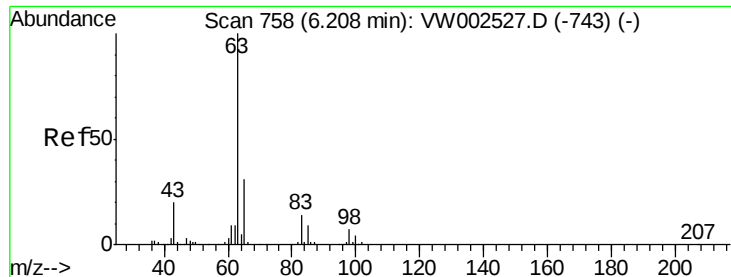
45 100

43 51.3 44.4 66.6

87 27.9 23.0 34.4

59 11.5 9.4 14.2





#24

1,1-Dichloroethane

Concen: 28.71 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

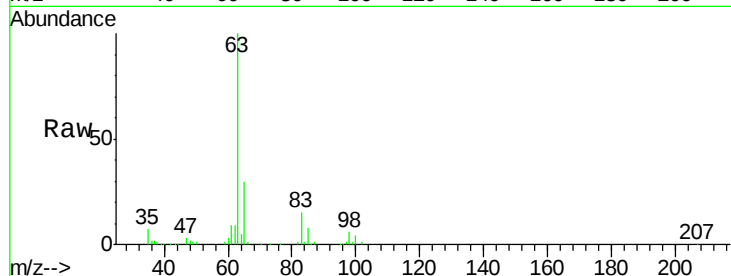
Tot Ion: 63 Resp: 108022

Ion Ratio Lower Upper

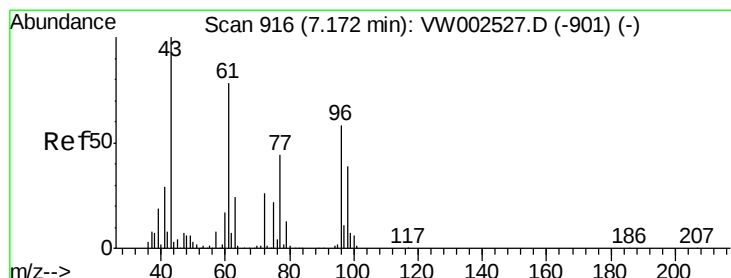
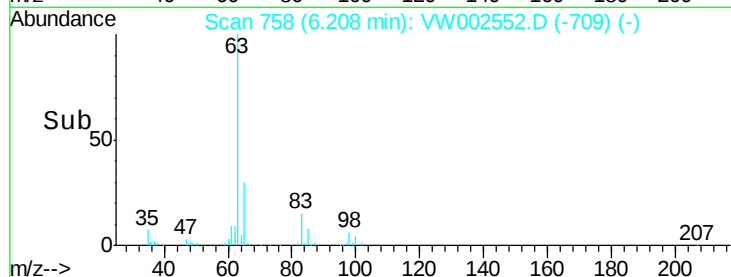
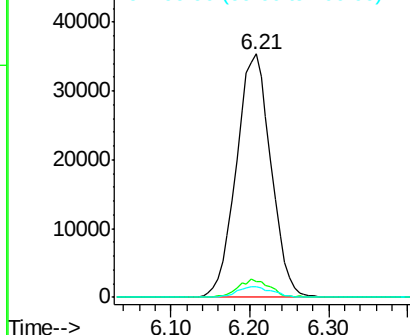
63 100

98 6.3 3.6 10.9

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 148.44 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002552.D

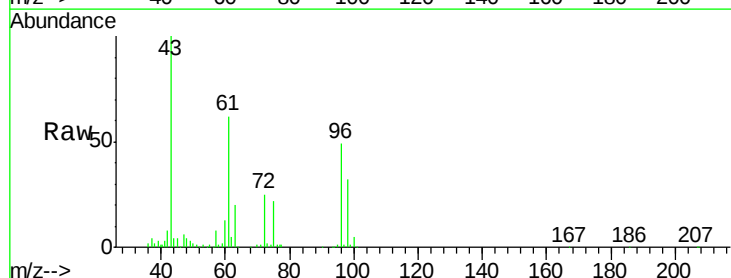
Acq: 15 May 2018 15:25

Tgt Ion: 43 Resp: 104001

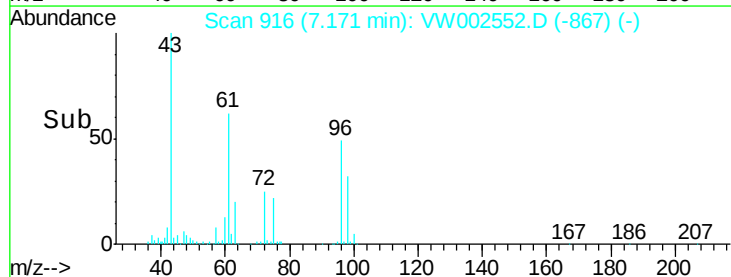
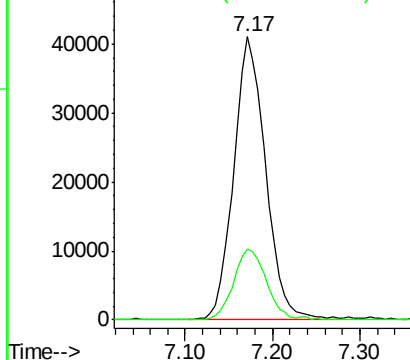
Ion Ratio Lower Upper

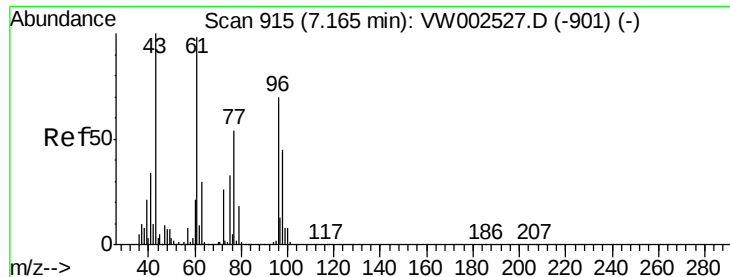
43 100

72 25.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



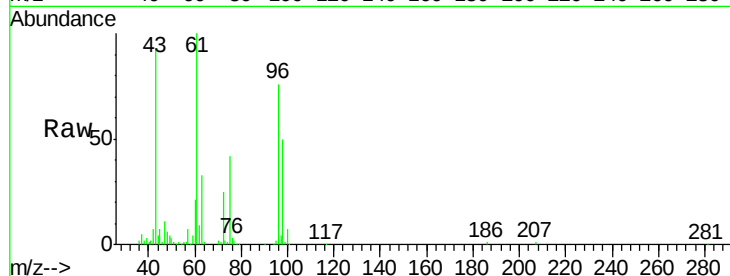


#27

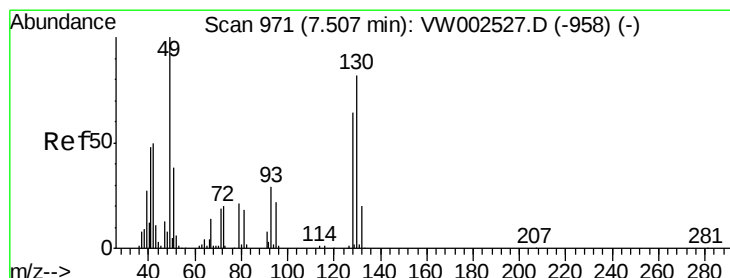
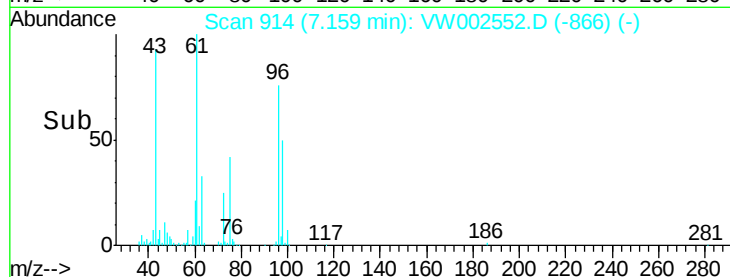
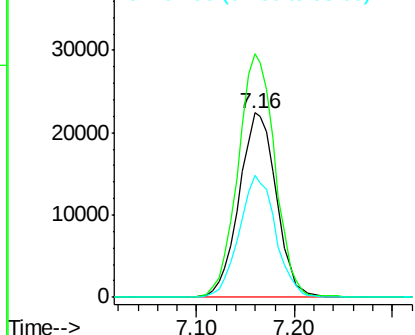
cis-1,2-Dichloroethene
 Concen: 25.23 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion: 96 Resp: 59112
 Ion Ratio Lower Upper
 96 100
 61 130.8 0.0 281.6
 98 64.4 0.0 130.8



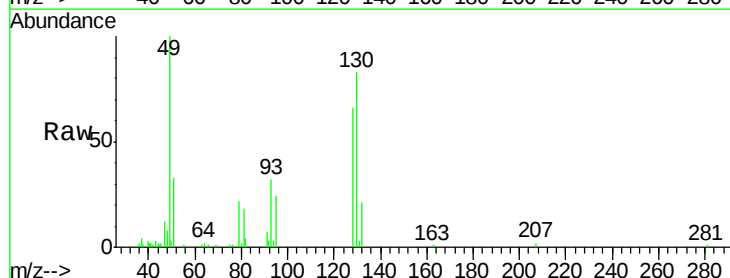
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



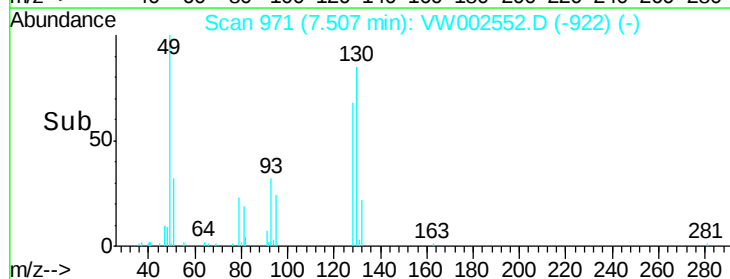
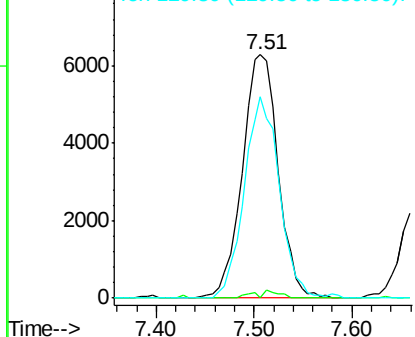
#28

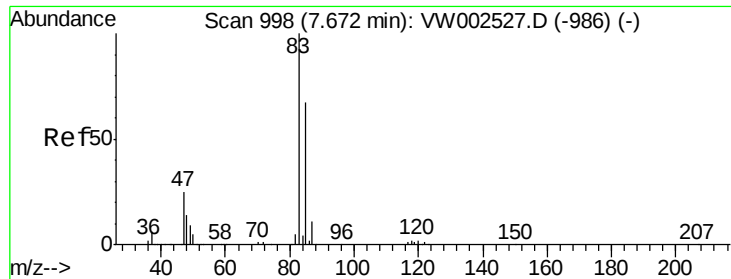
Bromochloromethane
 Concen: 9.48 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Tgt Ion: 49 Resp: 15930
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.4
 130 80.9 64.7 97.1



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: 21.59 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

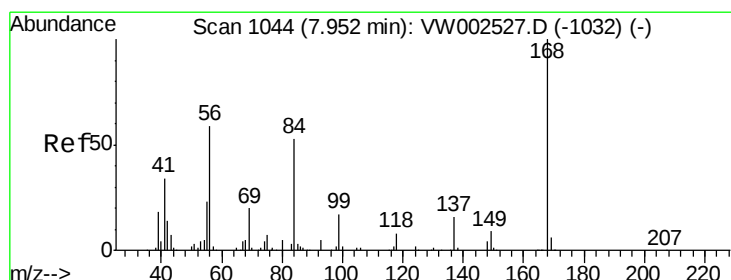
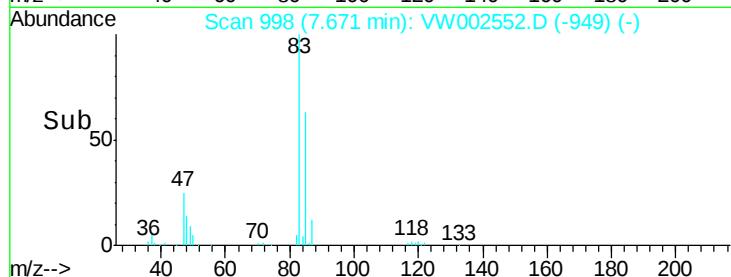
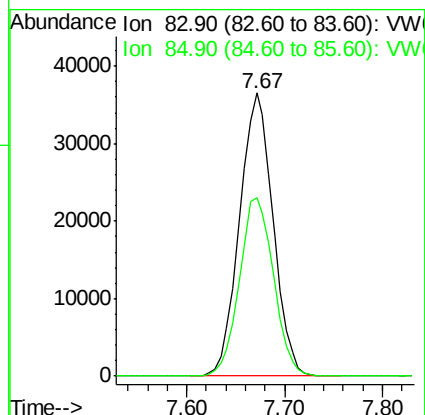
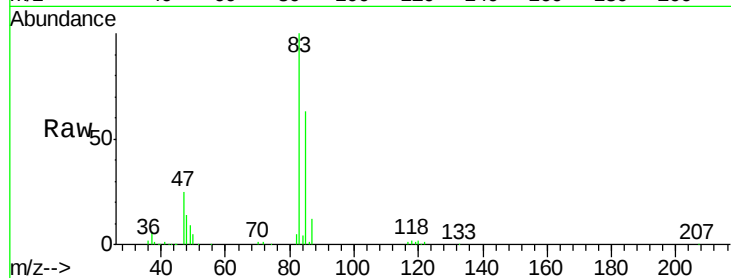
PT-VOA-SOILDL

Tot Ion: 83 Resp: 86738

Ion Ratio Lower Upper

83 100

85 63.0 53.9 80.9



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

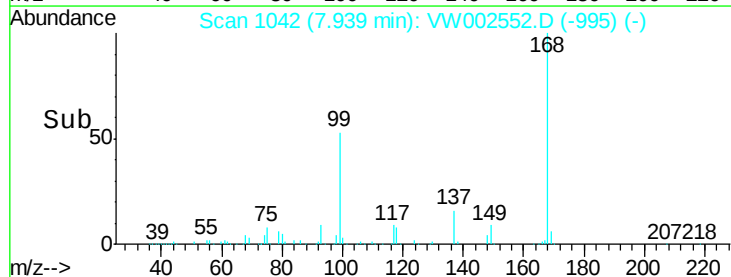
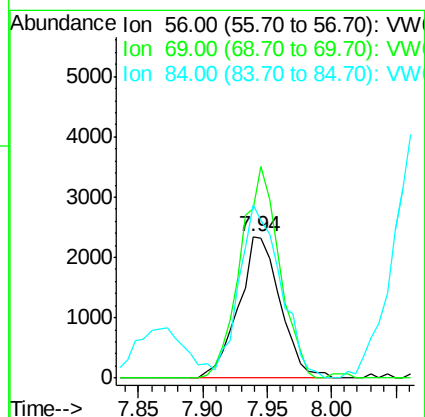
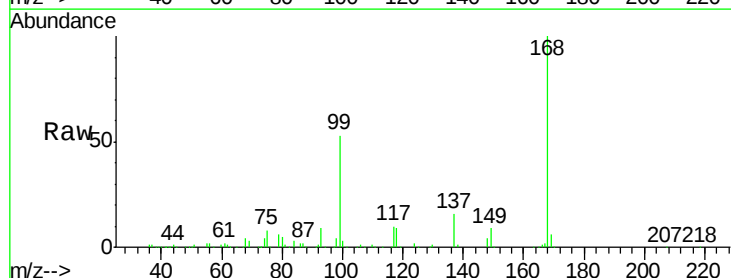
Tgt Ion: 56 Resp: 5250

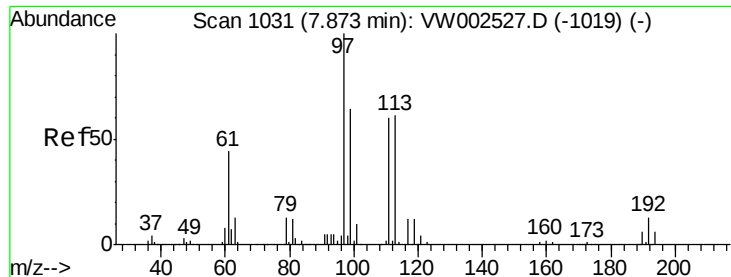
Ion Ratio Lower Upper

56 100

69 119.3 27.0 40.4#

84 122.7 72.2 108.2#





#32

1,1,1-Trichloroethane

Concen: 40.39 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

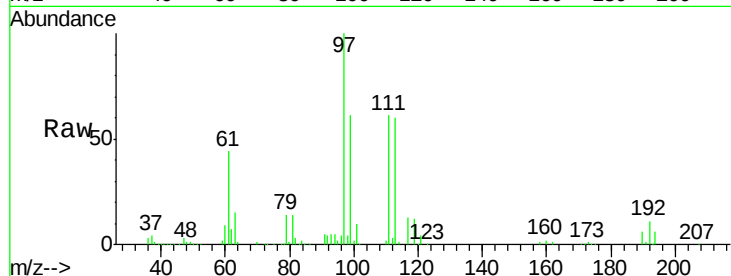
Tot Ion: 97 Resp: 122401

Ion Ratio Lower Upper

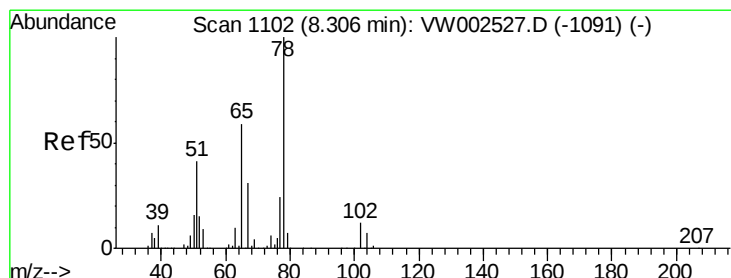
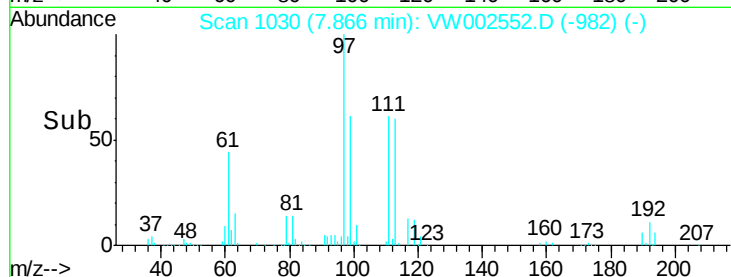
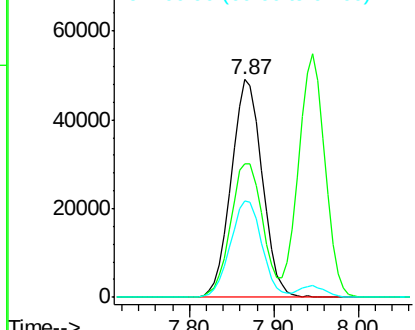
97 100

99 63.2 51.1 76.7

61 44.8 35.9 53.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 52.44 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002552.D

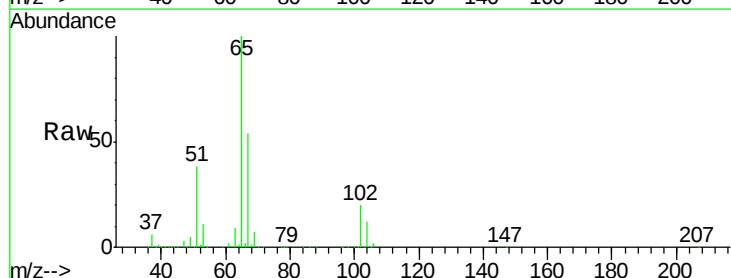
Acq: 15 May 2018 15:25

Tgt Ion: 65 Resp: 123055

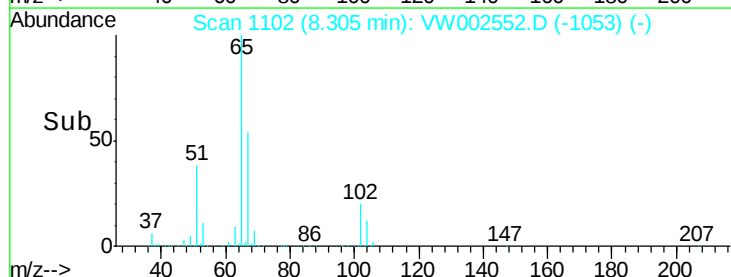
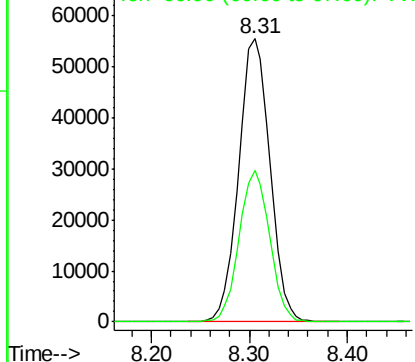
Ion Ratio Lower Upper

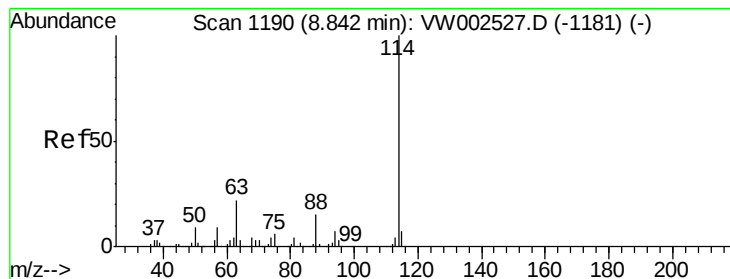
65 100

67 52.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

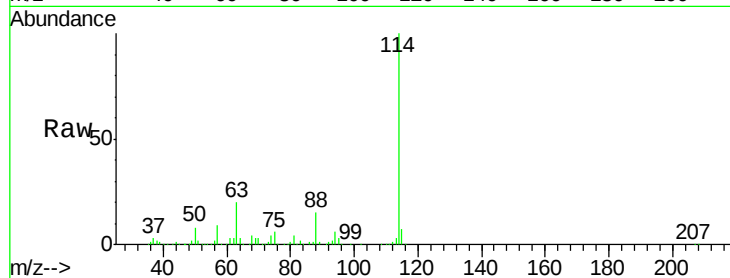
Tot Ion:114 Resp: 345061

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

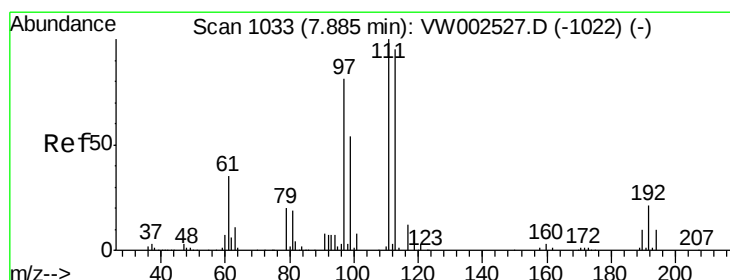
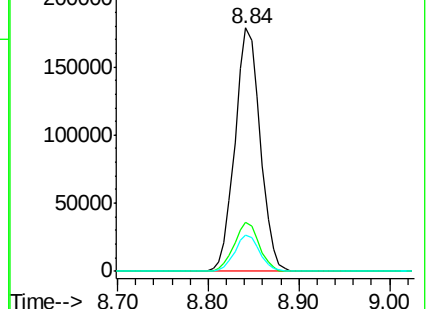
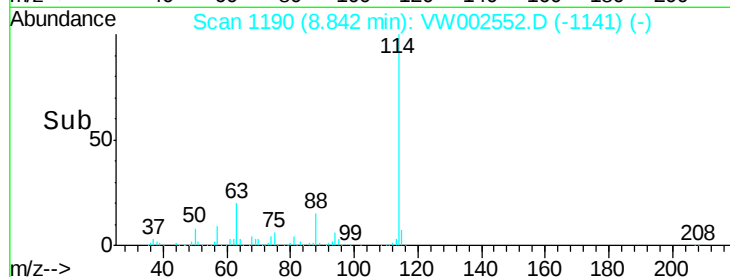
88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

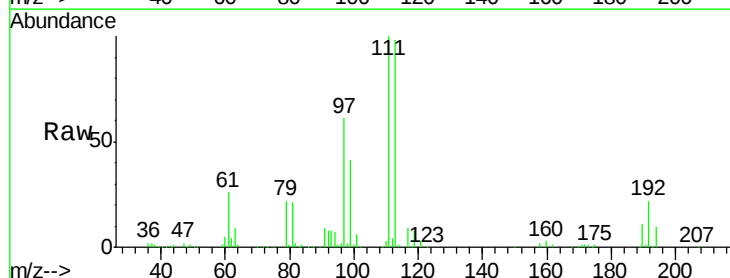
Tgt Ion:113 Resp: 109462

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

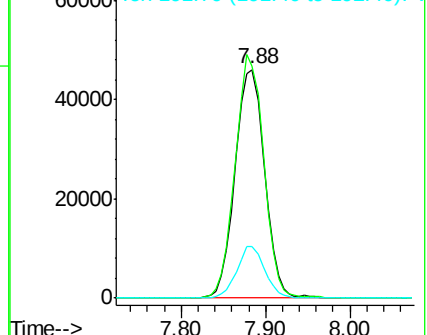
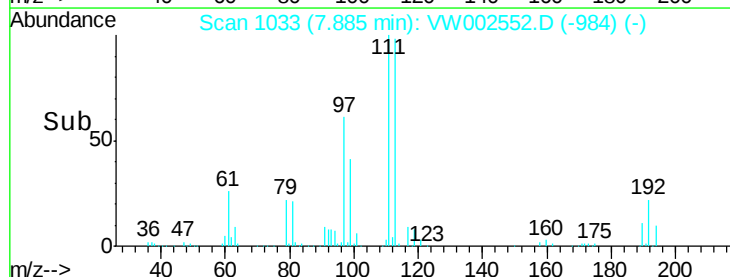
192 21.3 17.5 26.3

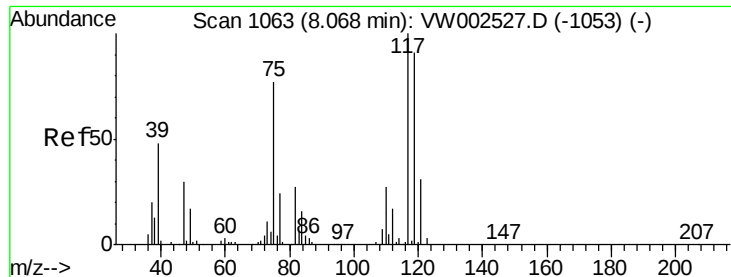


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 17.49 ug/l

RT: 8.06 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampled :

PT-VOA-SOILDL

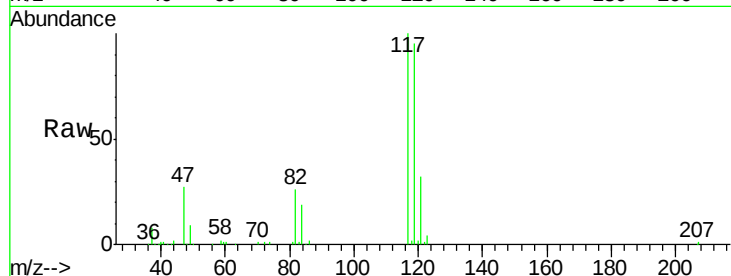
Tot Ion:117 Resp: 52141

Ion Ratio Lower Upper

117 100

119 94.8 73.1 109.7

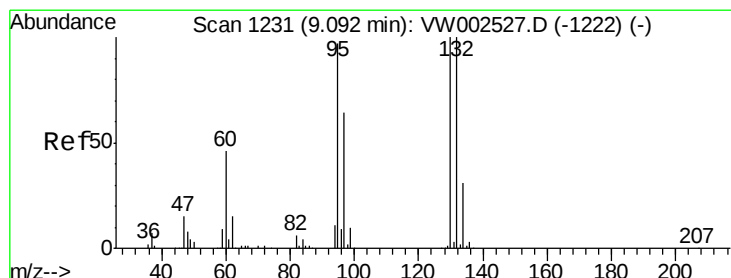
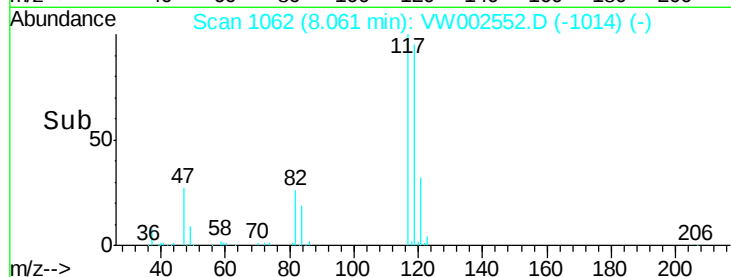
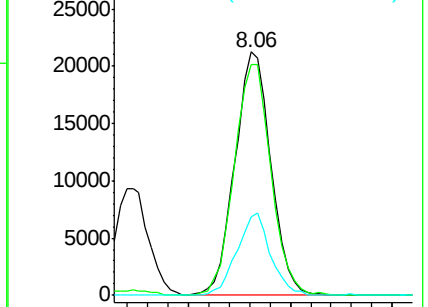
121 32.1 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 12.44 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002552.D

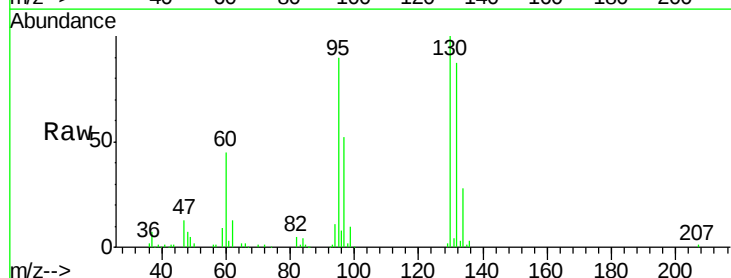
Acq: 15 May 2018 15:25

Tgt Ion:130 Resp: 29807

Ion Ratio Lower Upper

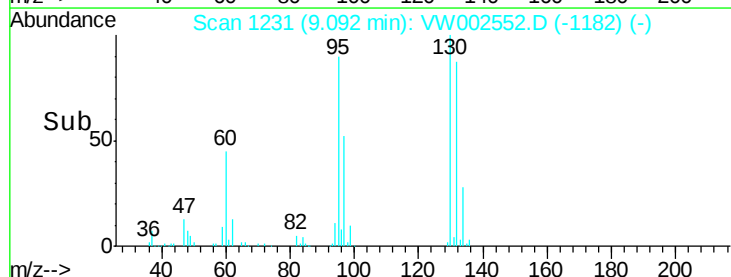
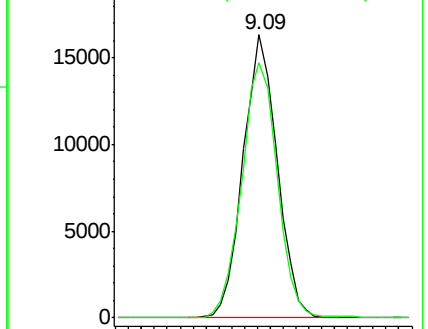
130 100

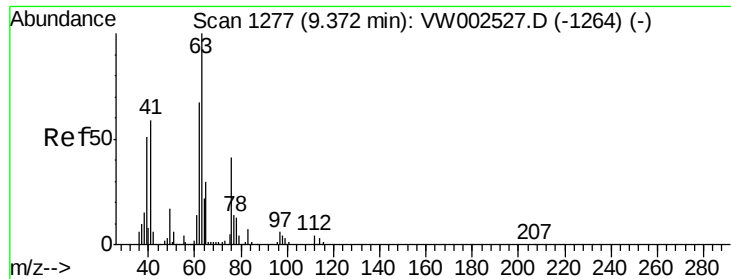
95 90.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#45

1,2-Dichloropropane

Concen: 26.32 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

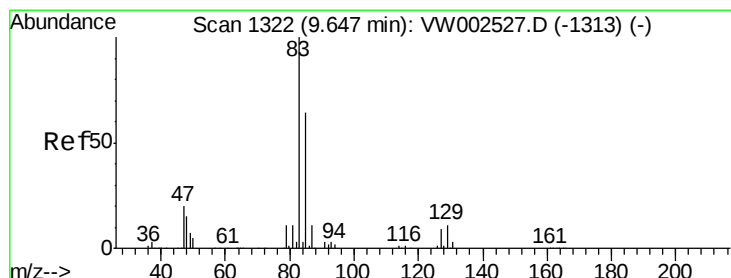
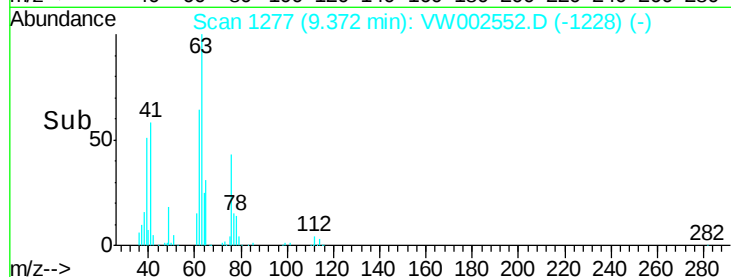
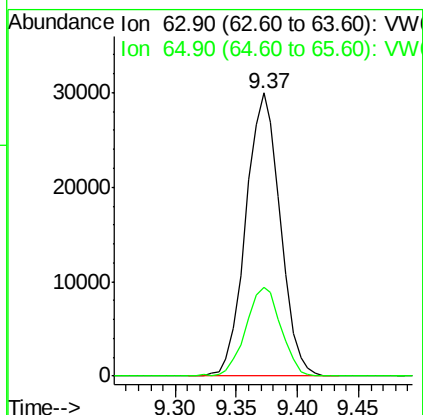
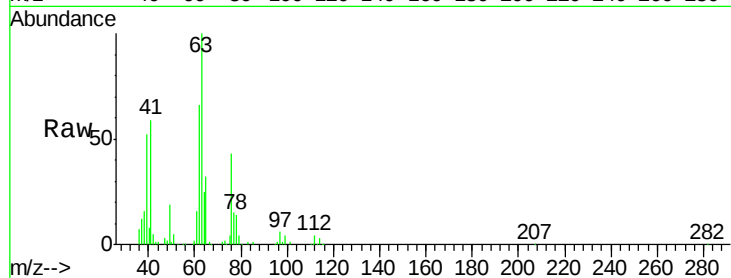
PT-VOA-SOILDL

Tot Ion: 63 Resp: 58627

Ion Ratio Lower Upper

63 100

65 31.5 24.4 36.6



#47

Bromodichloromethane

Concen: 44.67 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

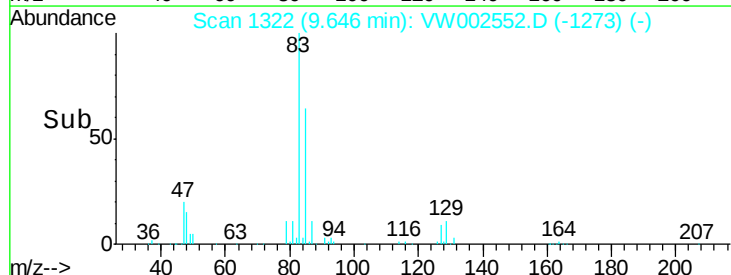
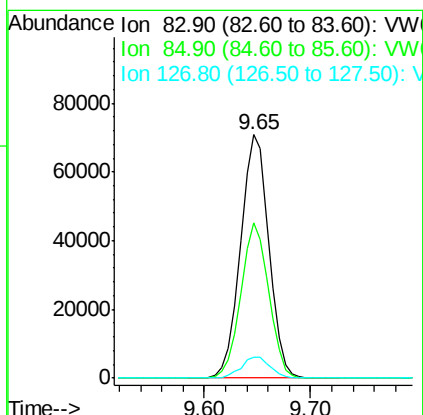
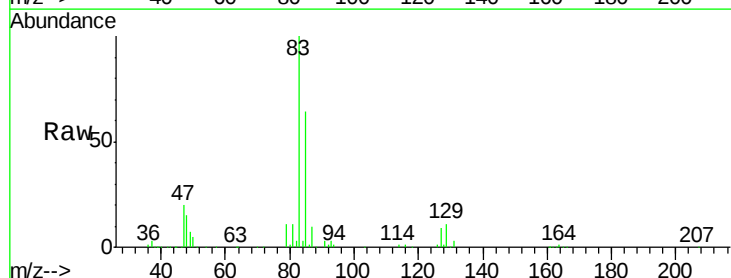
Tgt Ion: 83 Resp: 132069

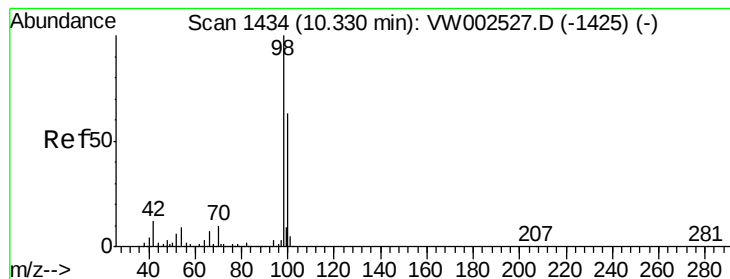
Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.2

127 8.8 7.0 10.4





#50

Toluene-d8

Concen: 50.60 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampled :

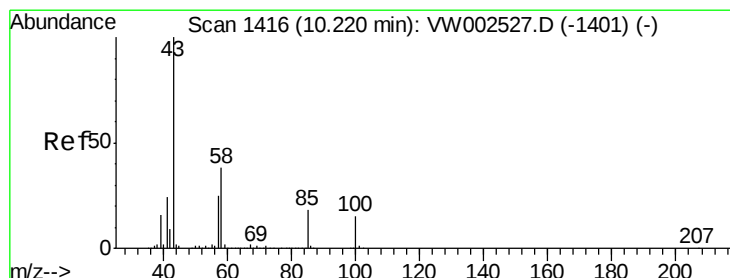
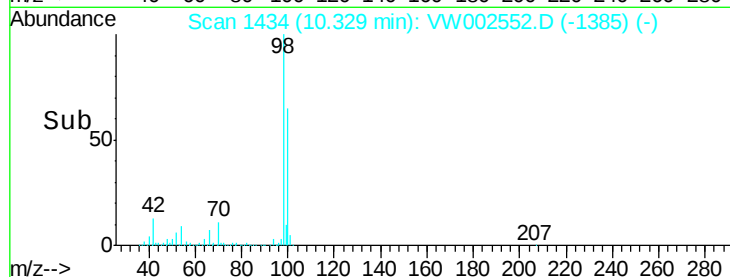
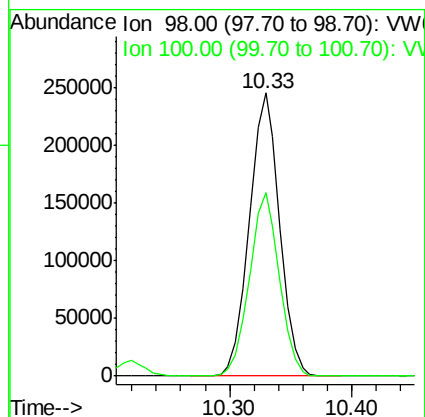
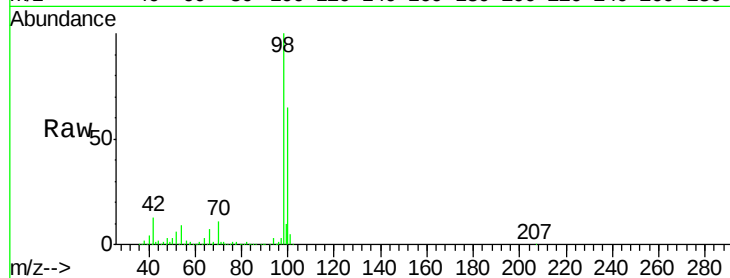
PT-VOA-SOILDL

Tot Ion: 98 Resp: 421387

Ion Ratio Lower Upper

98 100

100 64.2 51.0 76.4



#51

4-Methyl-2-Pentanone

Concen: 92.62 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002552.D

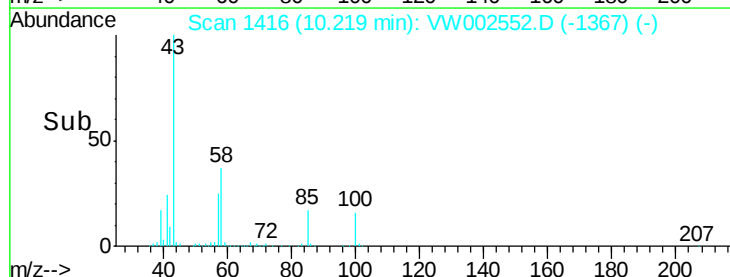
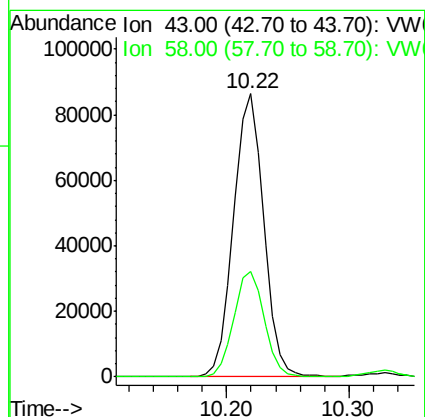
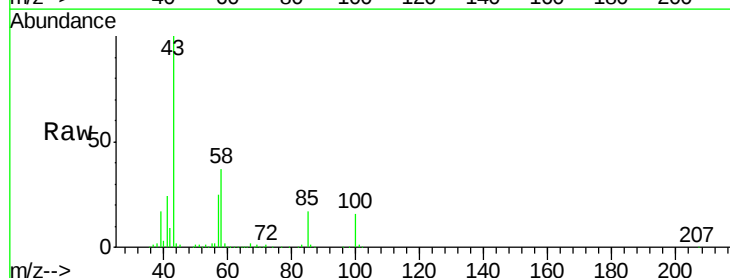
Acq: 15 May 2018 15:25

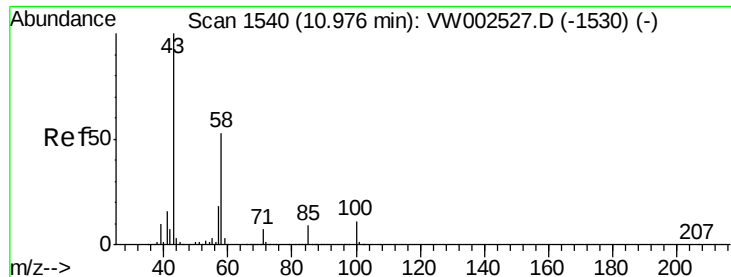
Tgt Ion: 43 Resp: 147718

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

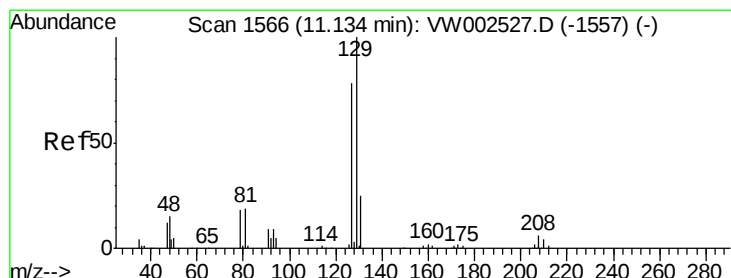
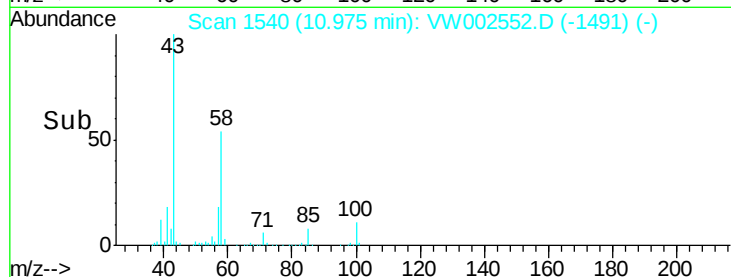
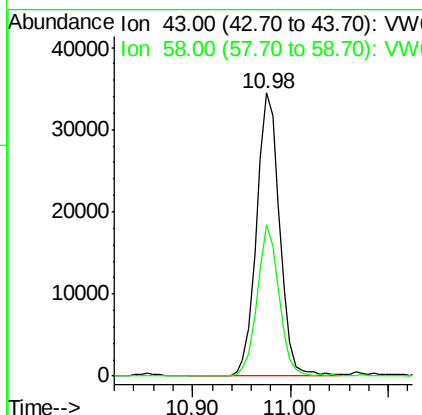
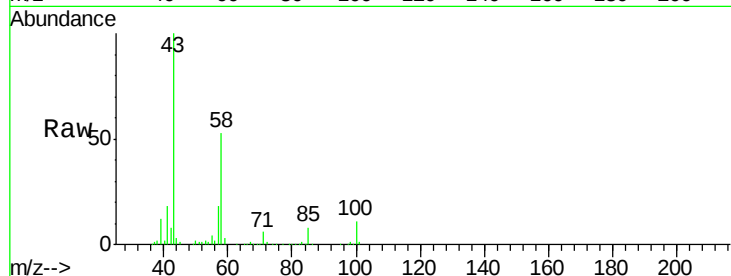




#59
2-Hexanone
Concen: 51.75 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

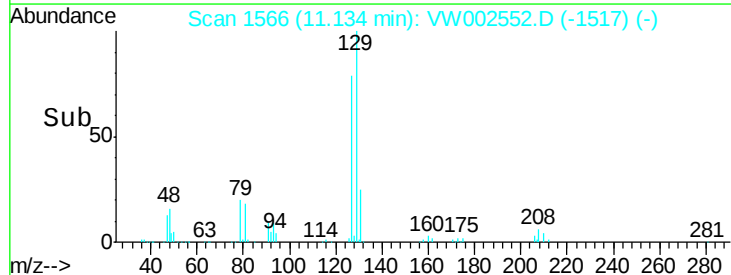
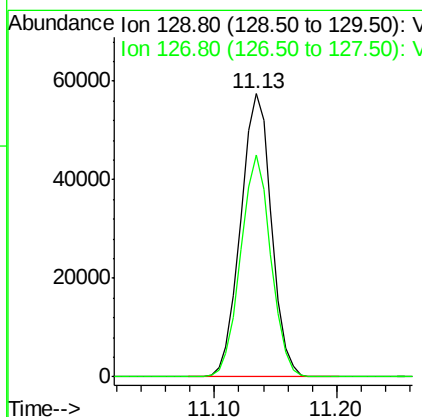
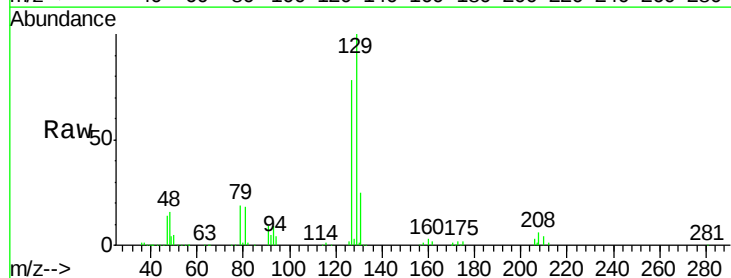
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

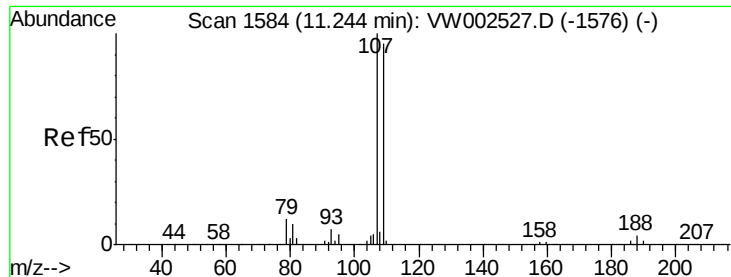
Tot Ion: 43 Resp: 56981
Ion Ratio Lower Upper
43 100
58 50.4 26.3 78.8



#60
Dibromochloromethane
Concen: 47.60 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

Tgt Ion: 129 Resp: 100323
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7

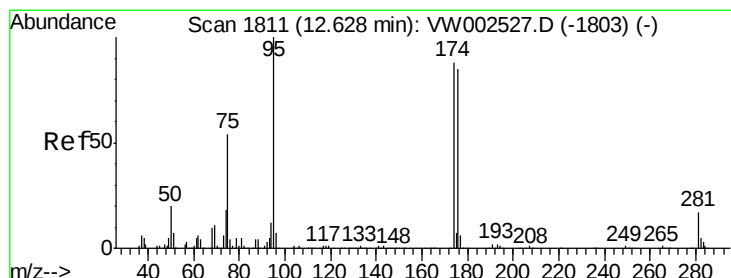
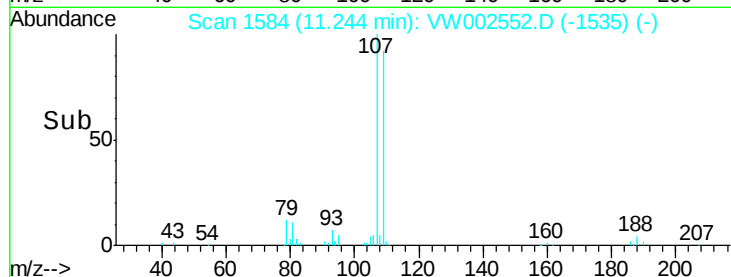
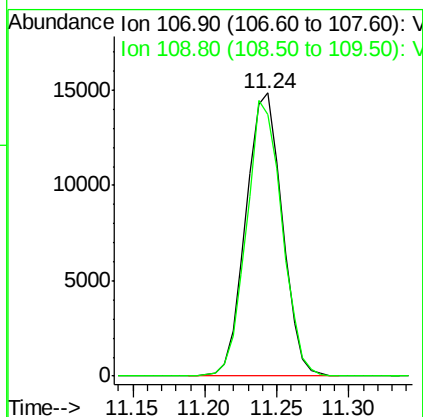
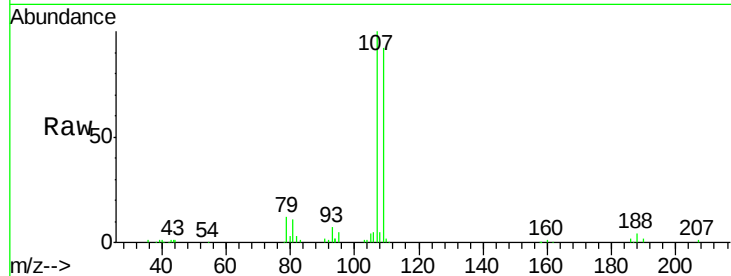




#61
 1,2-Dibromoethane
 Concen: 14.99 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

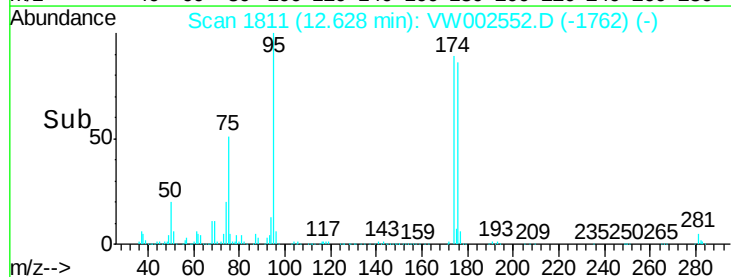
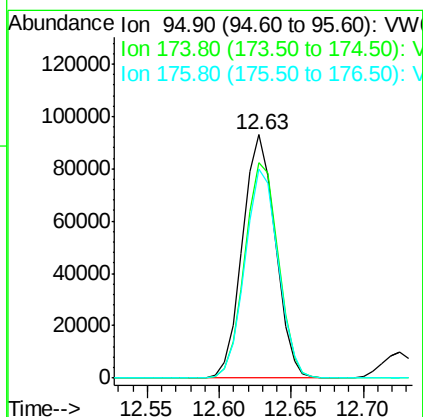
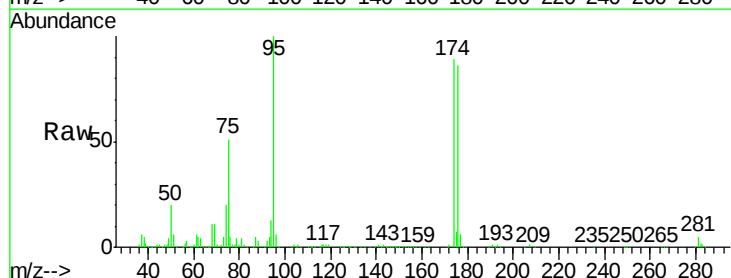
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

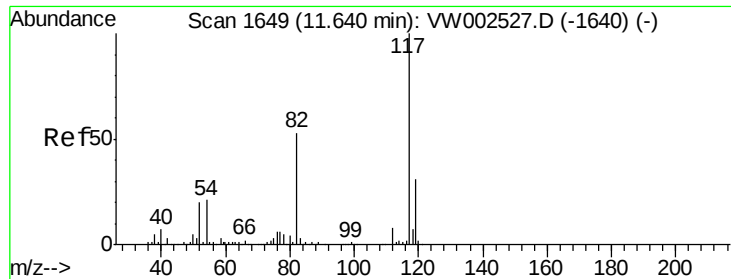
Tot Ion:107 Resp: 25839
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.21 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Tgt Ion: 95 Resp: 146827
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 176.6
 176 86.7 0.0 172.2

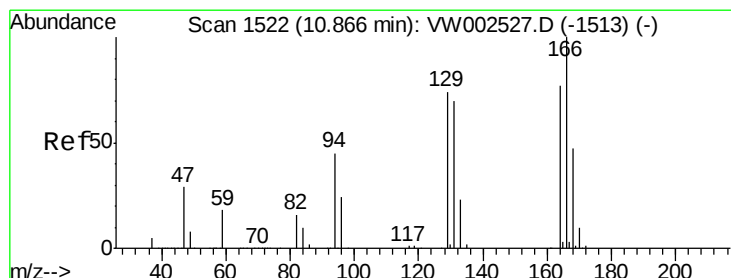
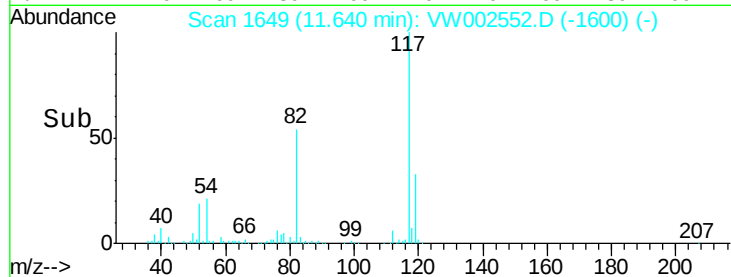
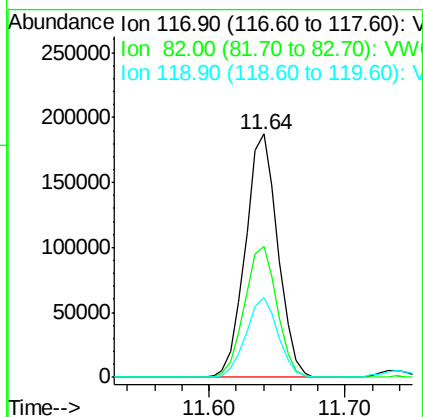
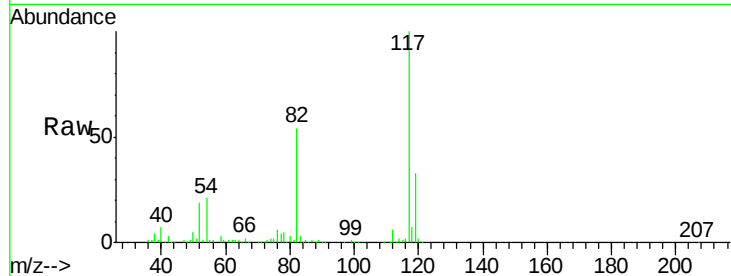




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

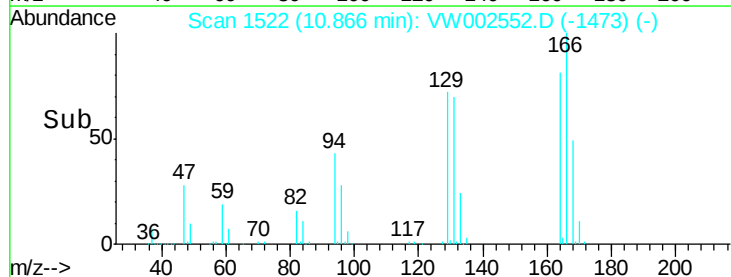
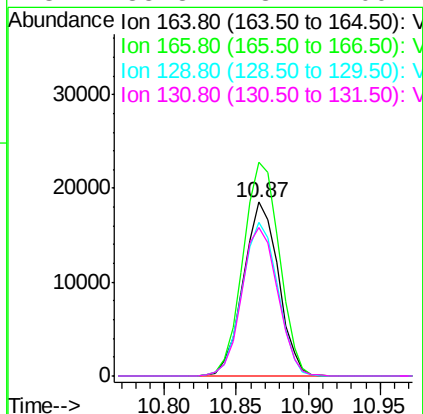
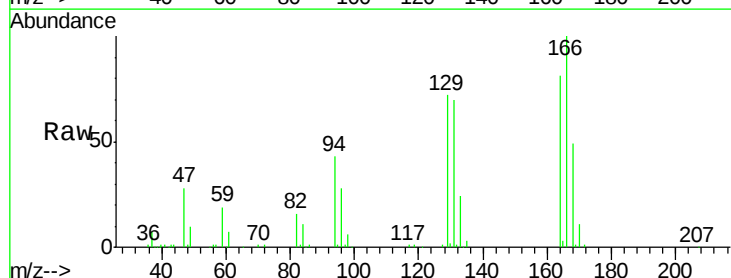
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

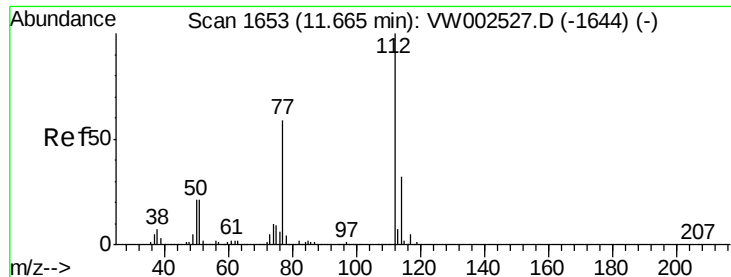
Tot Ion:117 Resp: 311939
Ion Ratio Lower Upper
117 100
82 54.0 42.6 64.0
119 32.9 25.0 37.6



#64
Tetrachloroethene
Concen: 14.20 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

Tgt Ion:164 Resp: 31221
Ion Ratio Lower Upper
164 100
166 123.0 104.2 156.2
129 88.3 77.0 115.4
131 85.8 73.1 109.7

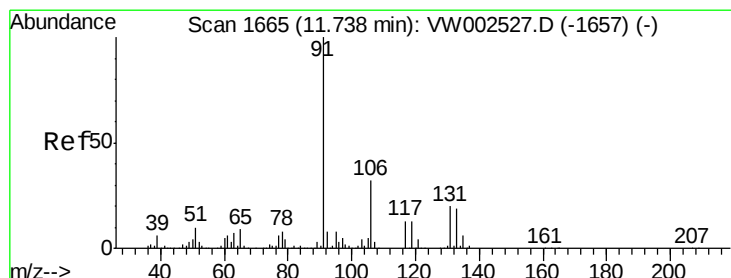
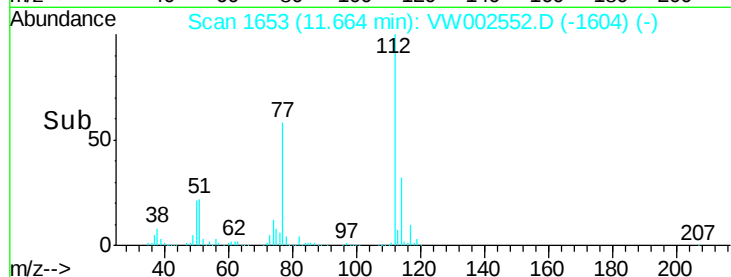
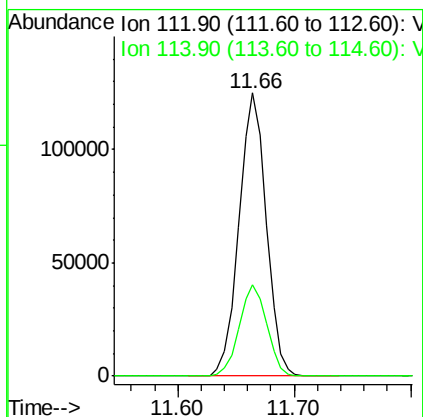
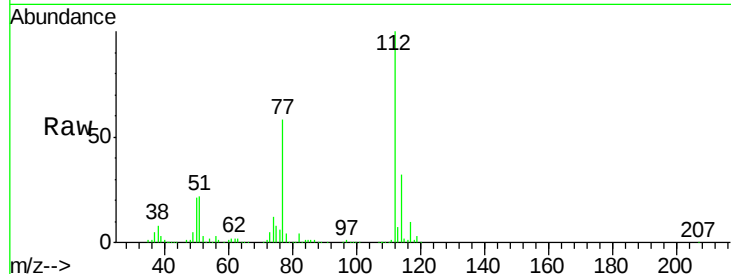




#65
Chlorobenzene
Concen: 32.85 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

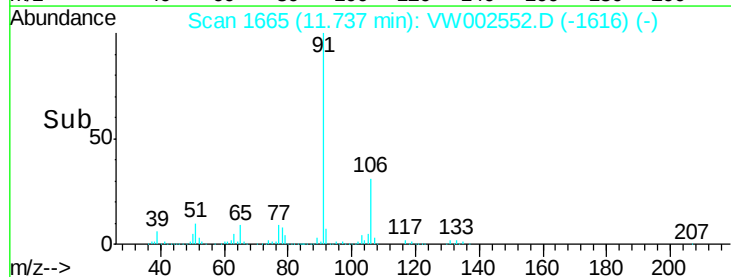
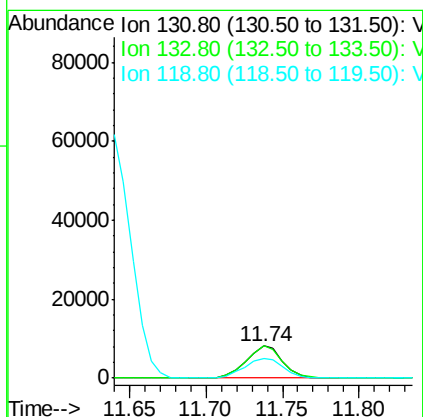
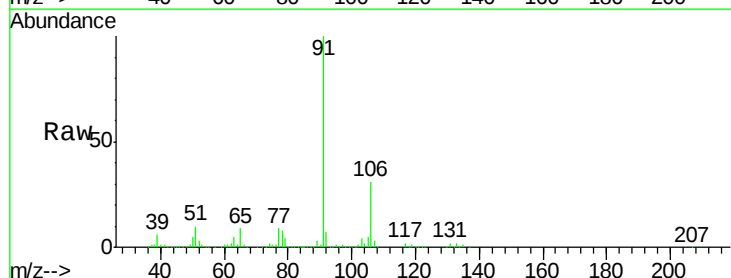
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

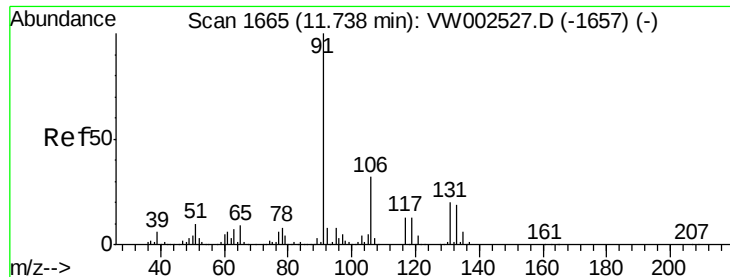
Tot Ion:112 Resp: 204088
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 6.06 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

Tgt Ion:131 Resp: 13472
Ion Ratio Lower Upper
131 100
133 98.2 48.4 145.3
119 67.2 32.2 96.6

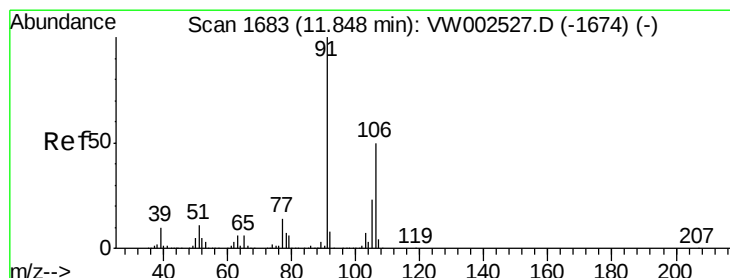
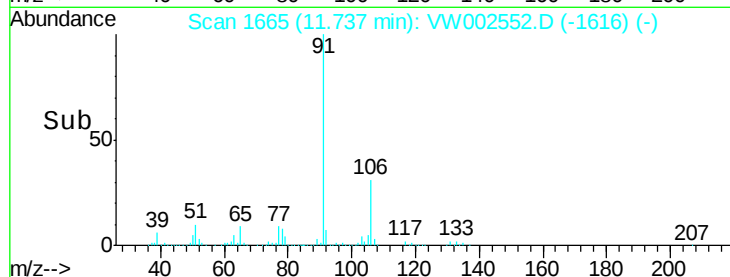
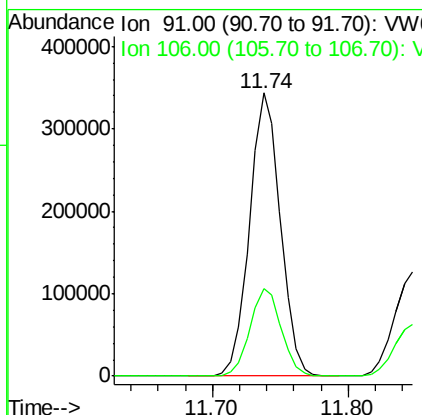
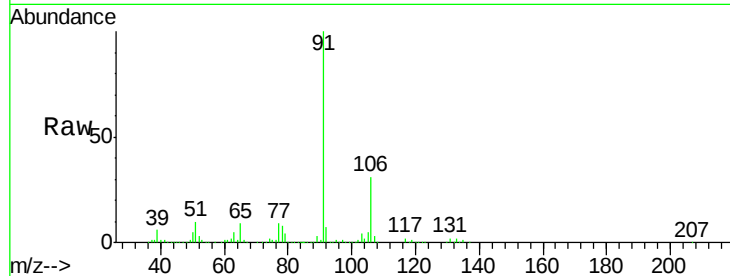




#67
Ethyl Benzene
Concen: 51.76 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

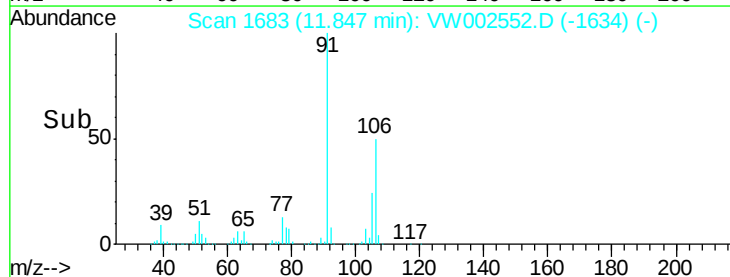
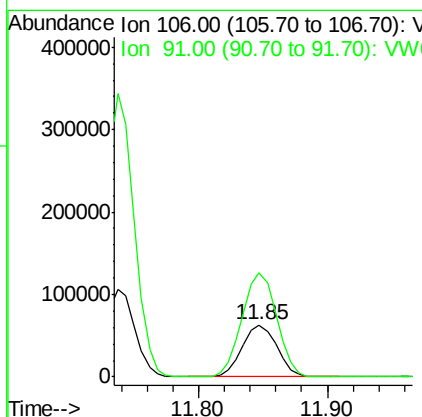
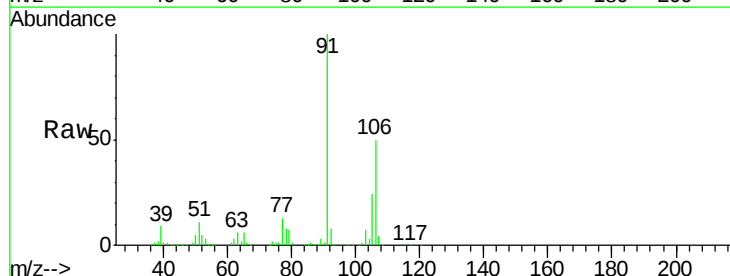
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

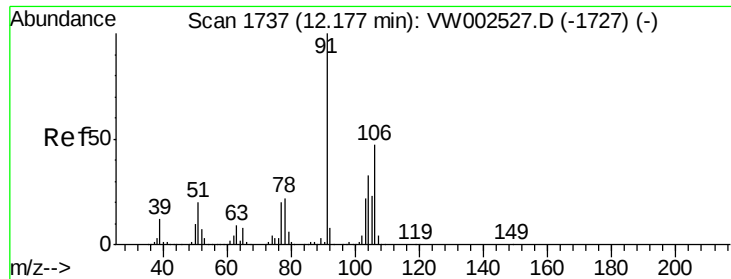
Tot Ion: 91 Resp: 546518
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0



#68
m/p-Xylenes
Concen: 28.63 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

Tgt Ion: 106 Resp: 117554
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2

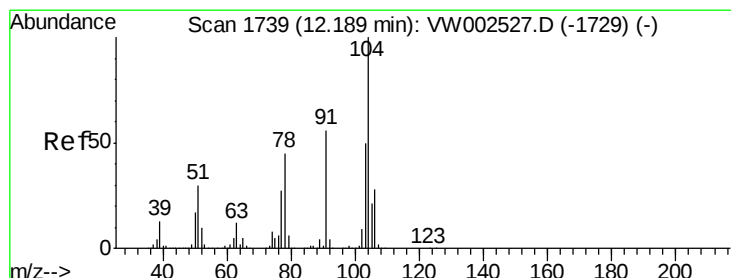
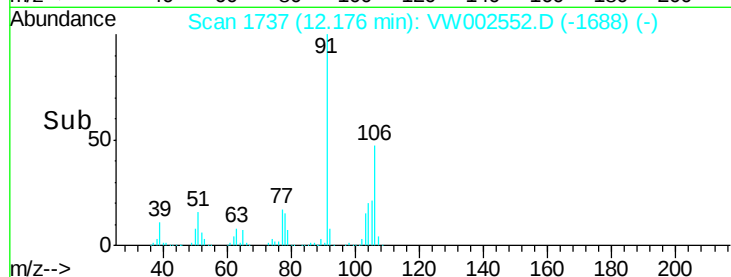
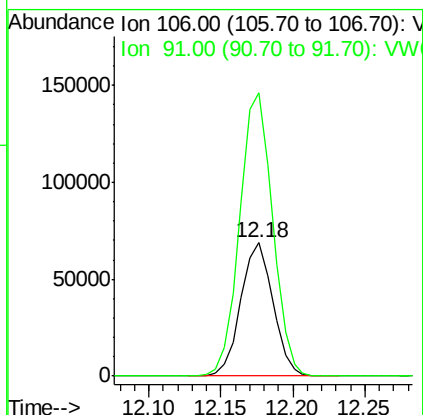
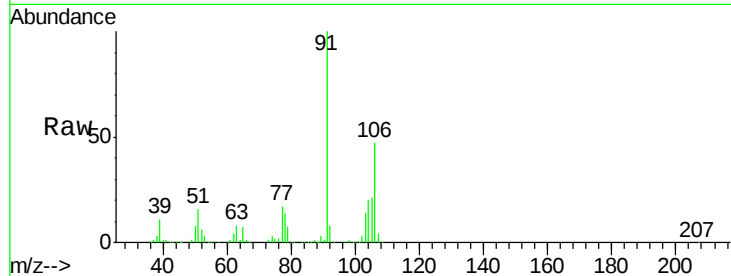




#69
o-Xylene
Concen: 27.39 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

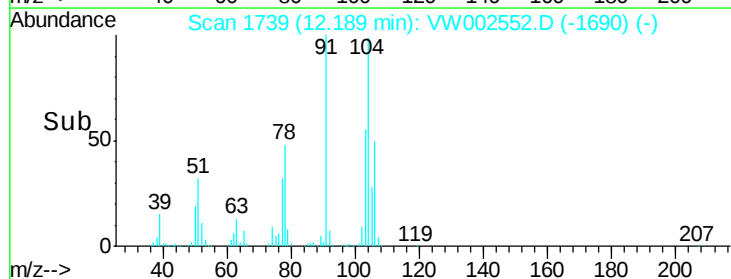
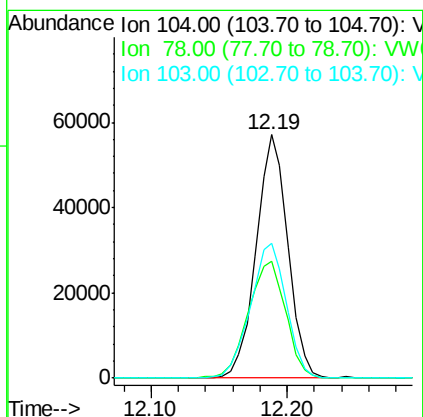
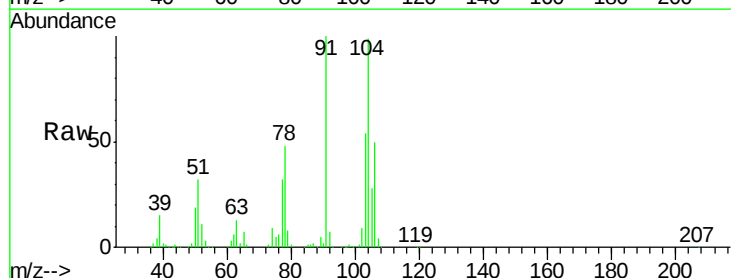
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

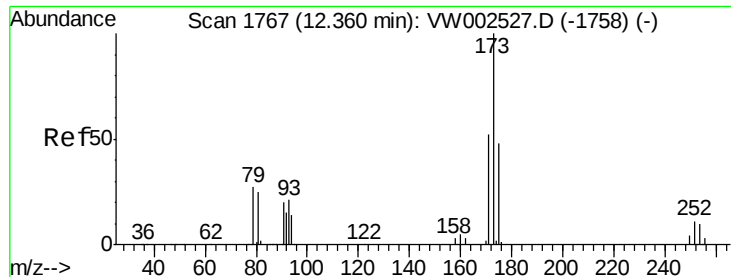
Tot Ion:106 Resp: 106851
Ion Ratio Lower Upper
106 100
91 217.1 106.7 320.2



#70
Styrene
Concen: 14.42 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002552.D
Acq: 15 May 2018 15:25

Tgt Ion:104 Resp: 93616
Ion Ratio Lower Upper
104 100
78 56.5 40.1 60.1
103 62.4 44.6 66.8





#71

Bromoform

Concen: 28.49 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

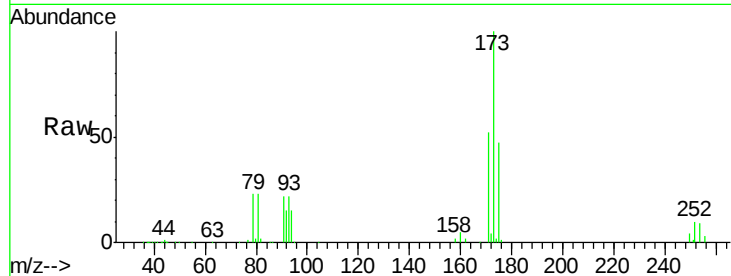
Tot Ion:173 Resp: 37224

Ion Ratio Lower Upper

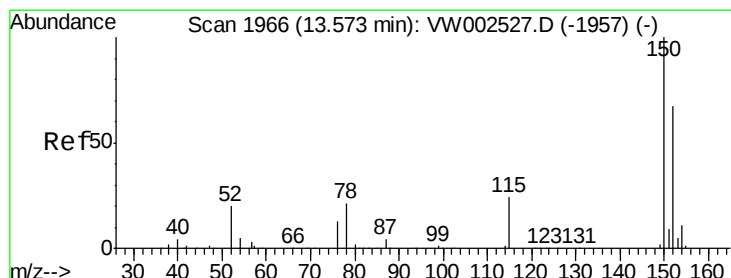
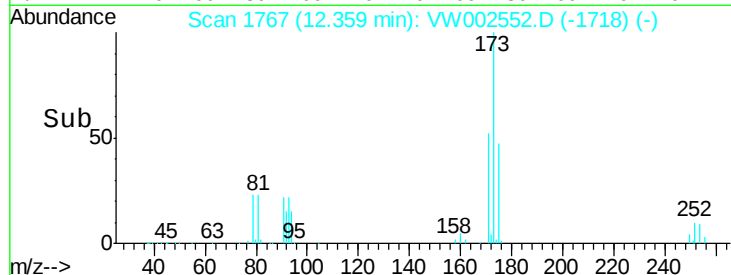
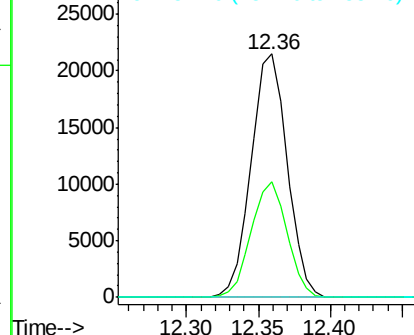
173 100

175 47.0 24.5 73.5

254 0.0 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: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

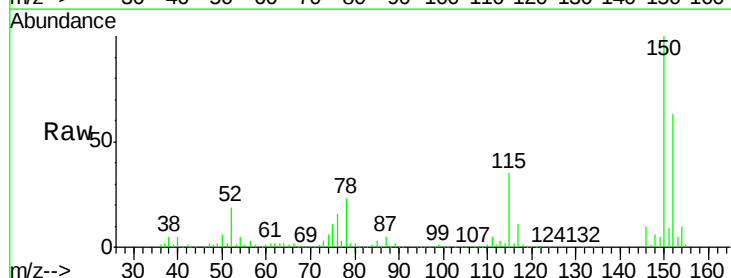
Tgt Ion:152 Resp: 170812

Ion Ratio Lower Upper

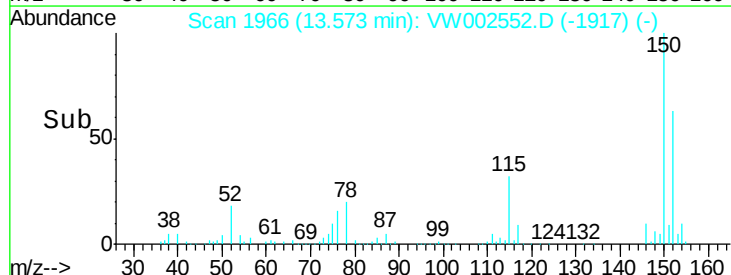
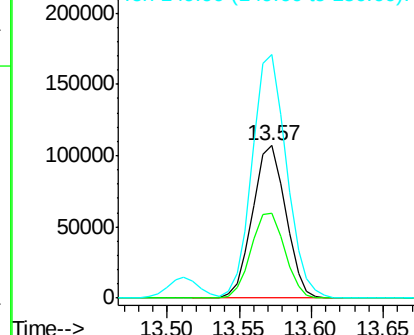
152 100

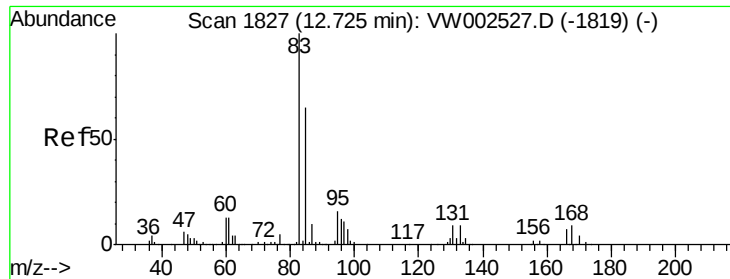
115 56.7 28.0 84.0

150 165.4 0.0 345.4



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





#75

1,1,2,2-Tetrachloroethane

Concen: 43.55 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

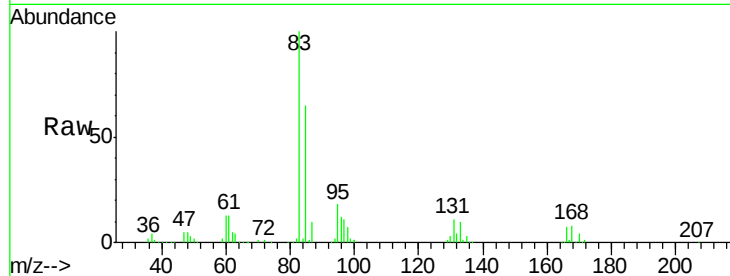
Tot Ion: 83 Resp: 92908

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

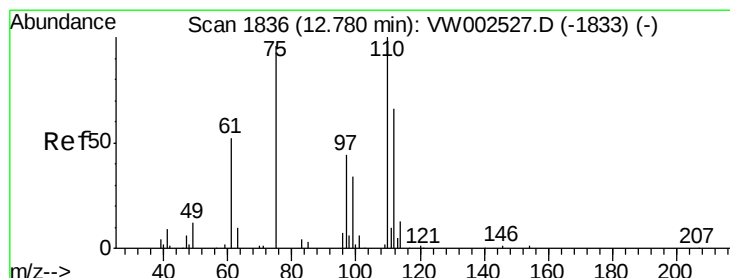
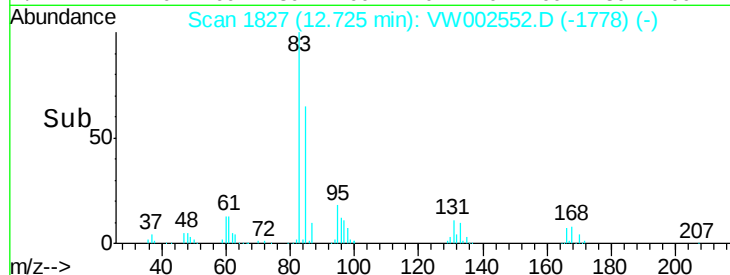
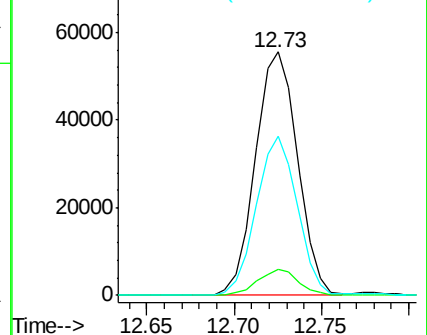
85 63.4 31.6 94.8



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: 19.70 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW002552.D

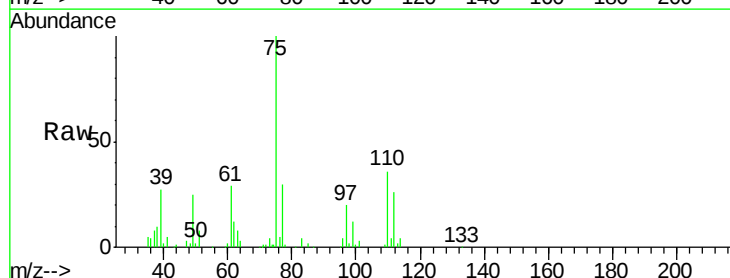
Acq: 15 May 2018 15:25

Tgt Ion: 75 Resp: 31810

Ion Ratio Lower Upper

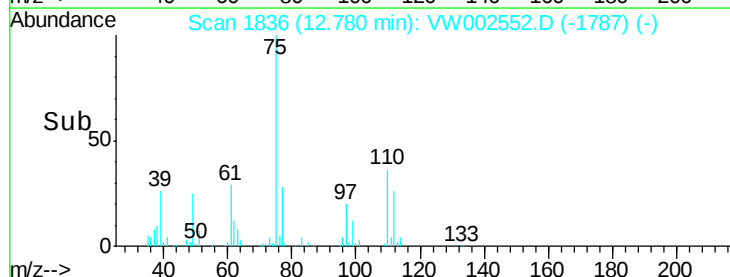
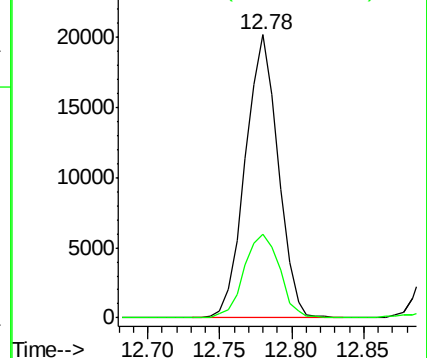
75 100

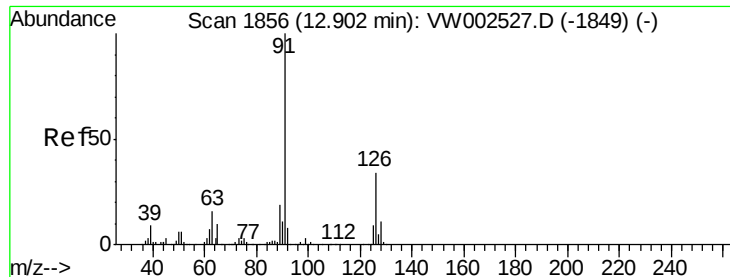
77 32.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#79

2-Chlorotoluene

Concen: 48.39 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002552.D

Acq: 15 May 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

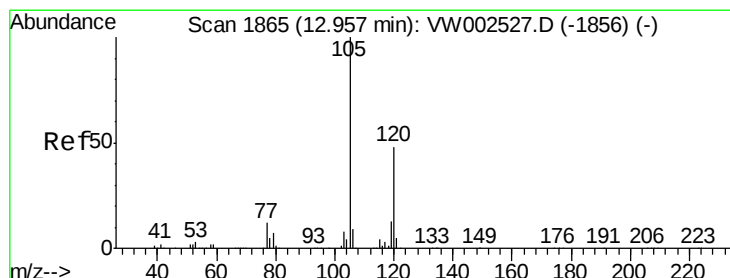
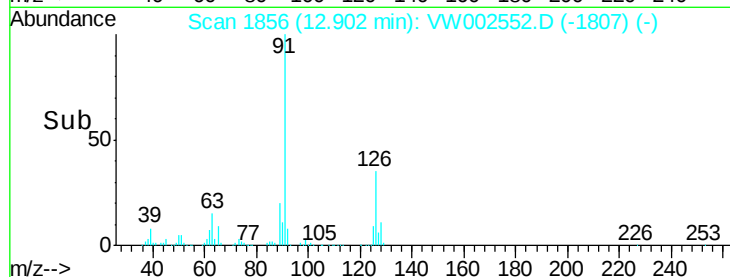
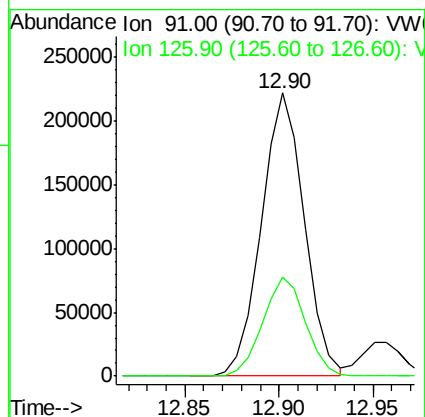
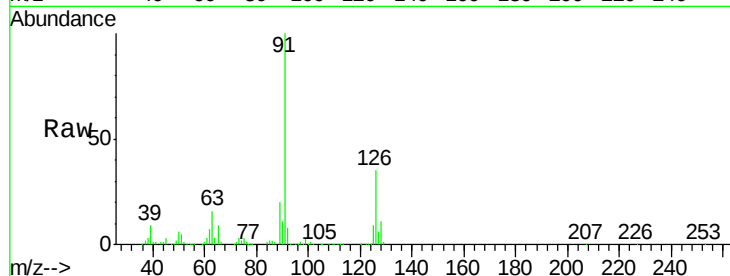
PT-VOA-SOILD

Tot Ion: 91 Resp: 349416

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 43.30 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002552.D

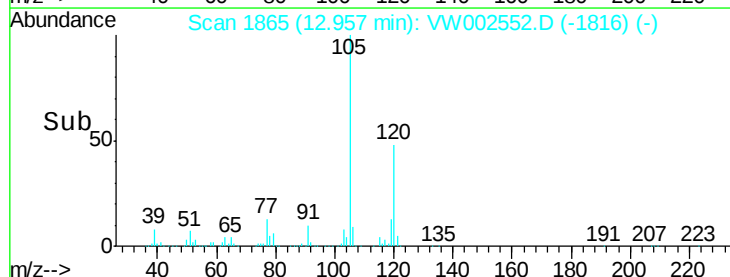
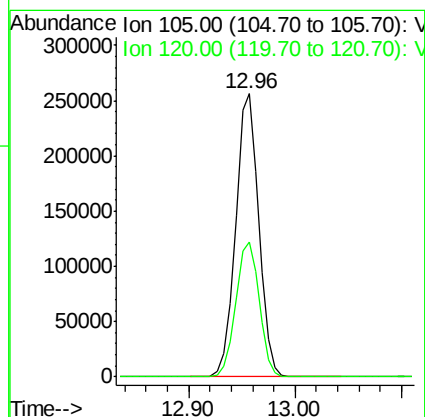
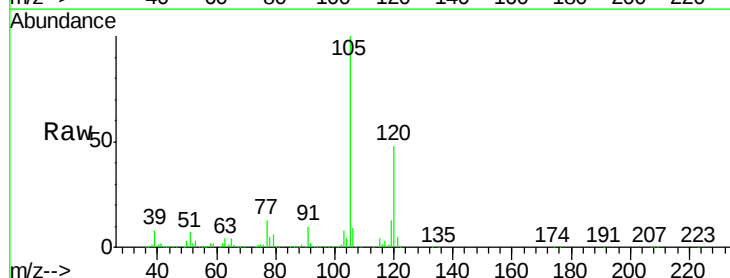
Acq: 15 May 2018 15:25

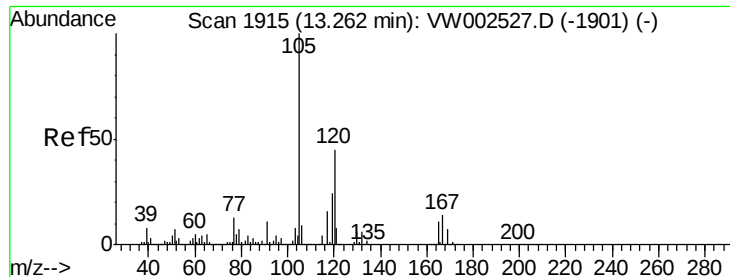
Tgt Ion: 105 Resp: 389034

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8

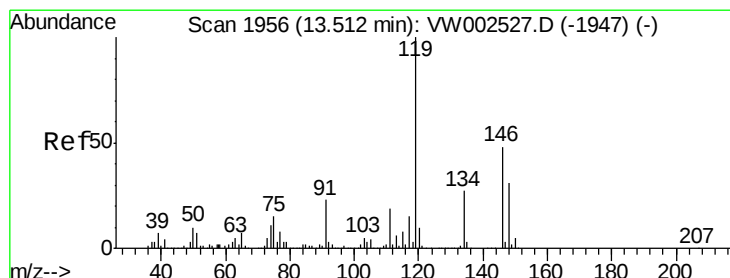
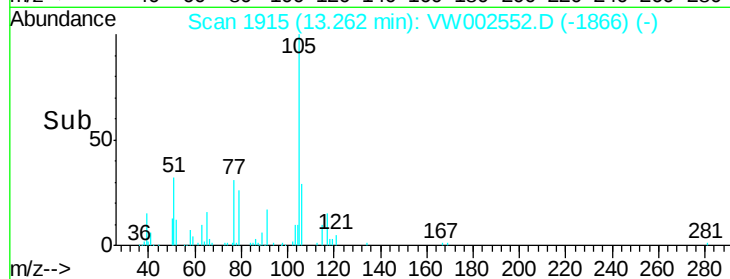
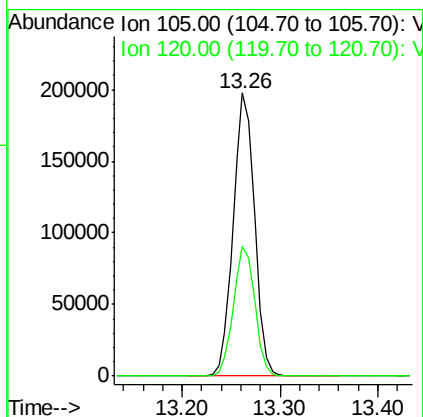
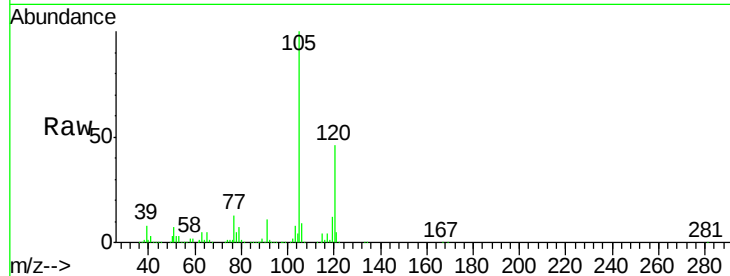




#84
 1,2,4-Trimethylbenzene
 Concen: 32.12 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

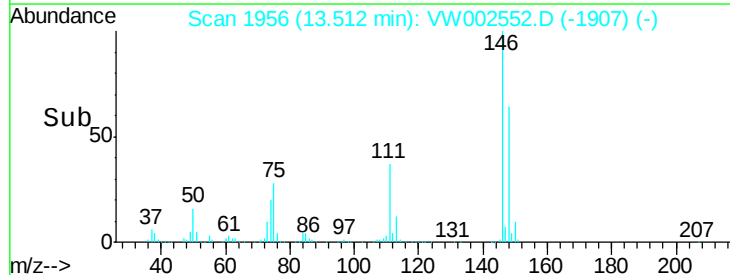
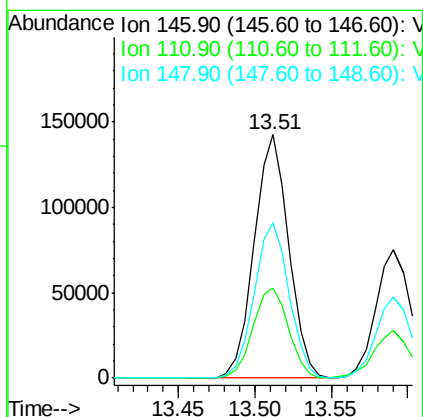
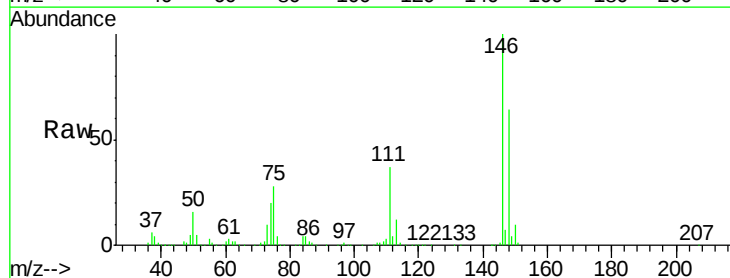
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

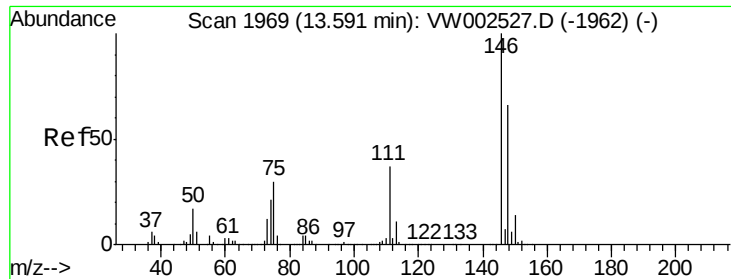
Tot Ion:105 Resp: 299565
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.9



#87
 1,3-Dichlorobenzene
 Concen: 41.30 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Tgt Ion:146 Resp: 224422
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.6 58.7
 148 64.3 32.3 96.8

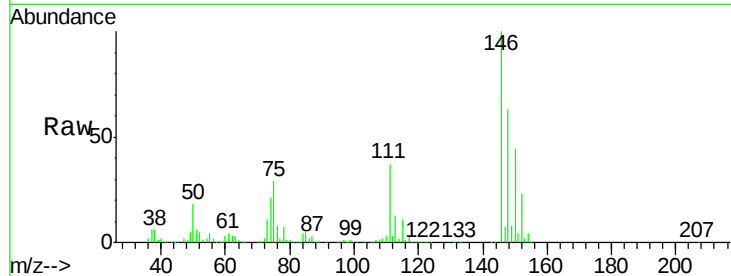




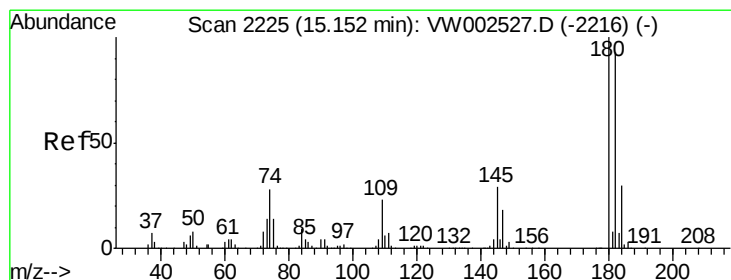
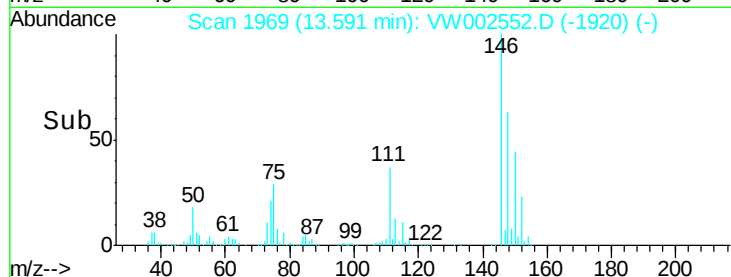
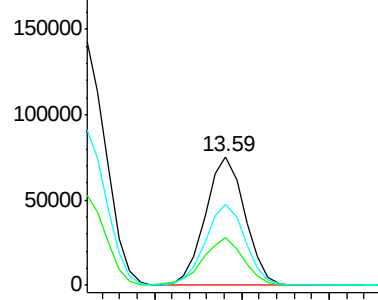
#88
 1,4-Dichlorobenzene
 Concen: 21.99 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion:146 Resp: 118878
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.5
 148 63.8 32.4 97.0

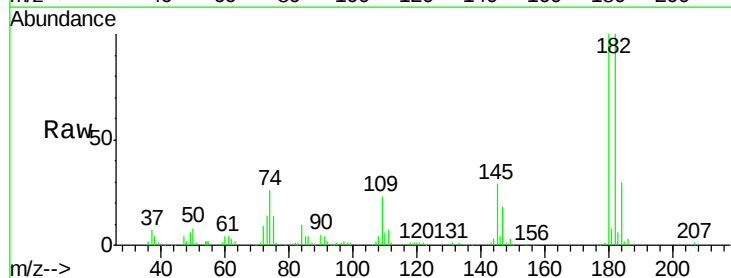


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 21.69 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002552.D
 Acq: 15 May 2018 15:25

Tgt Ion:180 Resp: 77841
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.2 141.6
 145 29.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

