

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010354.D
 Acq On : 10 May 2019 14:14
 Operator : SY/VA
 Sample : K2551-22DL 4X
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: May 10 23:17:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1410490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2427575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2131383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1061249	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	804278	53.63	ug/l	0.00
Spiked Amount						
			Recovery	=	107.26%	
35) Dibromofluoromethane	7.88	113	687188	48.37	ug/l	0.00
Spiked Amount						
			Recovery	=	96.74%	
50) Toluene-d8	10.32	98	2812615	48.62	ug/l	0.00
Spiked Amount						
			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.62	95	975680	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	13973	1.769	ug/l	98
11) Tert butyl alcohol	5.17	59	7362	6.952	ug/l #	71
13) Acrolein	3.83	56	8810	6.301	ug/l #	1
16) Acetone	4.12	43	486267	124.391	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	144730	7.905	ug/l	98
20) Methylene Chloride	4.92	84	567809	34.824	ug/l	93
22) Diisopropyl ether	6.31	45	1323663	29.707	ug/l	92
23) Vinyl Acetate	6.31	43	677002	22.128	ug/l #	76
24) 1,1-Dichloroethane	6.21	63	1255223	41.842	ug/l	99
25) 2-Butanone	7.17	43	461144	77.110	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	261812	15.377	ug/l	89
31) Cyclohexane	7.95	56	33336	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	116072	4.410	ug/l #	51
37) Ethyl Acetate	7.17	43	461144	32.905	ug/l #	1
38) Carbon Tetrachloride	8.06	117	727091	32.225	ug/l	100
40) Benzene	8.32	78	595233	8.257	ug/l	99
42) 1,2-Dichloroethane	8.40	62	616386	29.873	ug/l	98
43) Isopropyl Acetate	8.50	43	388393	16.710	ug/l #	17
44) Trichloroethene	9.09	130	477438	26.456	ug/l	99
45) 1,2-Dichloropropane	9.37	63	800396	44.669	ug/l	98
46) Dibromomethane	9.46	93	268299	28.984	ug/l	98
48) Methyl methacrylate	9.37	41	468046	42.589	ug/l #	47
49) 1,4-Dioxane	9.45	88	1725	10.686	ug/l #	45
51) 4-Methyl-2-Pentanone	10.21	43	647947	48.617	ug/l	96
52) Toluene	10.38	92	2040125	46.303	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	269613	11.987	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	341657	12.826	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	299679	22.793	ug/l	98
59) 2-Hexanone	10.97	43	202319	21.471	ug/l	96
60) Dibromochloromethane	10.86	129	309909	21.905	ug/l #	11
61) 1,2-Dibromoethane	11.24	107	268695	21.289	ug/l	98
64) Tetrachloroethene	10.86	164	354668	23.808	ug/l	99
65) Chlorobenzene	11.66	112	1326286	30.061	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	602275	40.388	ug/l	98

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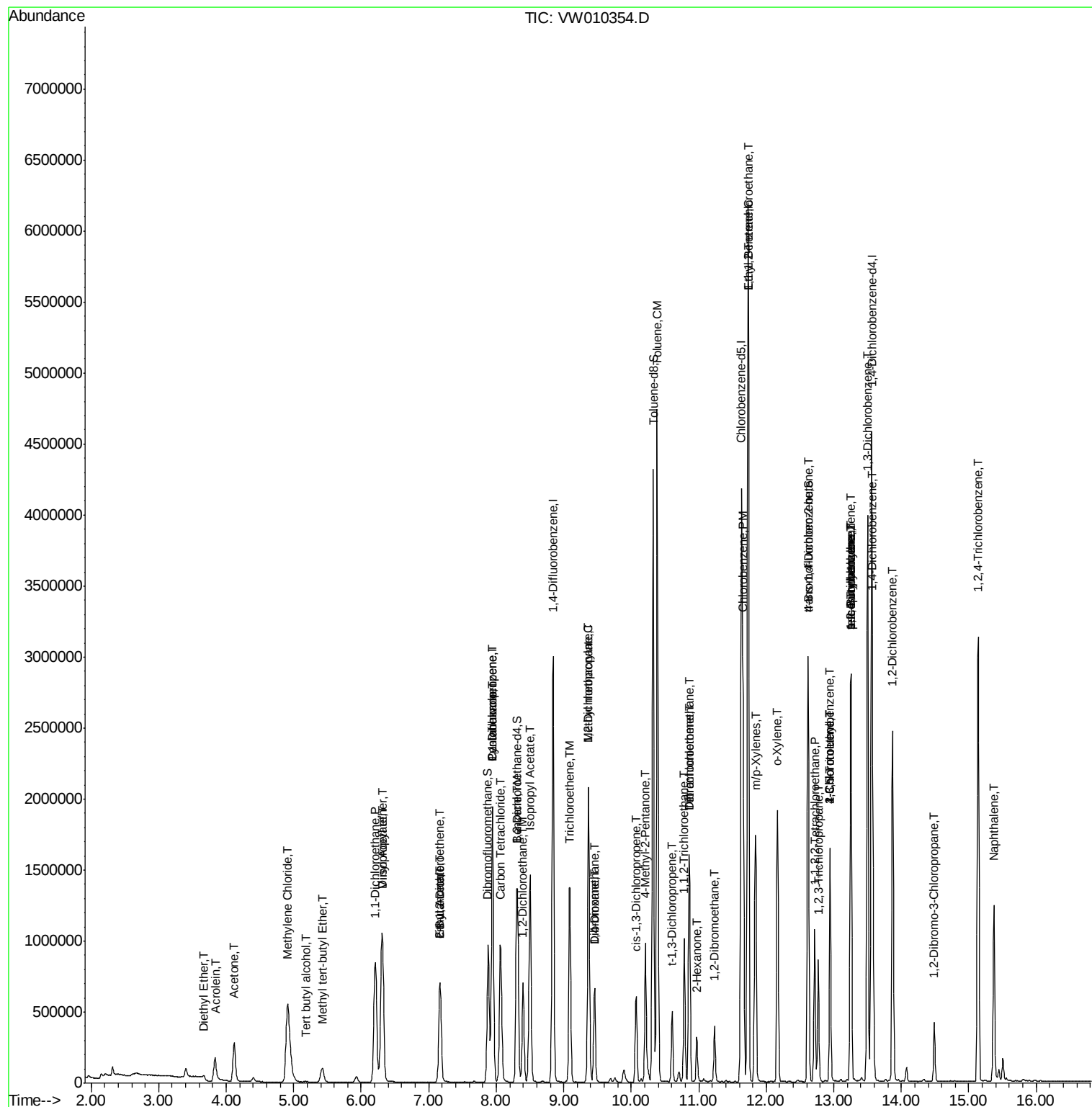
67) Ethyl Benzene	11.73	91	2685023	33.081	ug/l	100
68) m/p-Xylenes	11.84	106	558169	18.509	ug/l	99
69) o-Xylene	12.16	106	511155	18.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	541252	31.756	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	360834	29.162	ug/l #	100
79) 2-Chlorotoluene	12.94	91	88799	1.632	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	843466	12.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	501452	91.522	ug/l #	5
82) 4-Chlorotoluene	12.94	91	88799	1.558	ug/l #	42
83) tert-Butylbenzene	13.26	119	193935	3.565	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.26	105	1554441	23.987	ug/l	100
85) sec-Butylbenzene	13.26	105	1554382	19.358	ug/l #	57
86) p-Isopropyltoluene	13.26	119	191302	2.683	ug/l #	15
87) 1,3-Dichlorobenzene	13.50	146	1574481	45.143	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	532719	15.391	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	979366	31.721	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	108018	35.194	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	981968	46.603	ug/l	99
95) Naphthalene	15.37	128	1034602	23.542	ug/l	100

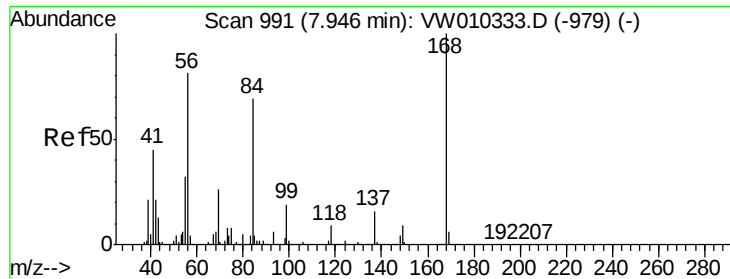
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

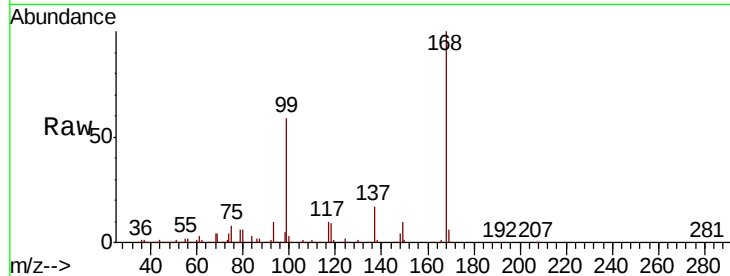
PT-VOA-SOILD

Tgt Ion:168 Resp: 1410490

Ion Ratio Lower Upper

168 100

99 58.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

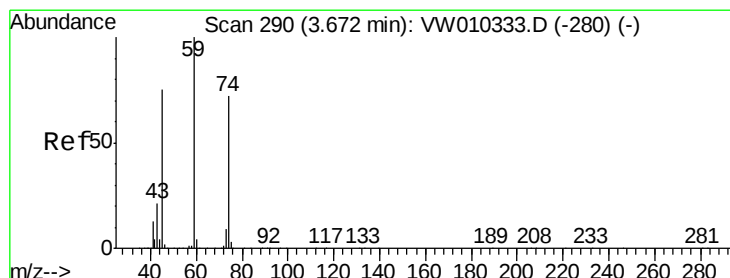
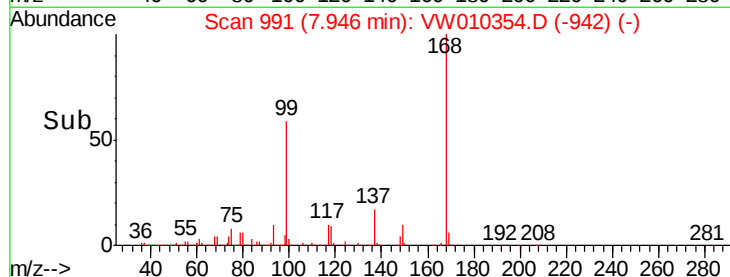
600000

400000

200000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.769 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010354.D

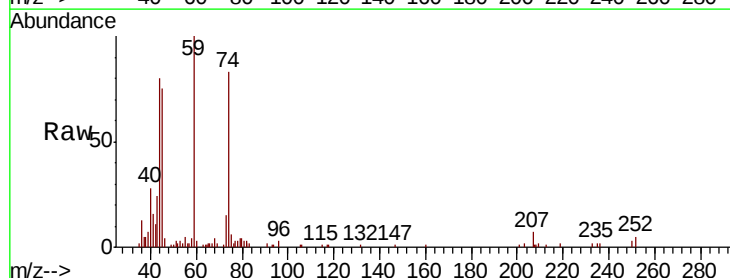
Acq: 10 May 2019 14:14

Tgt Ion: 74 Resp: 13973

Ion Ratio Lower Upper

74 100

45 110.2 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

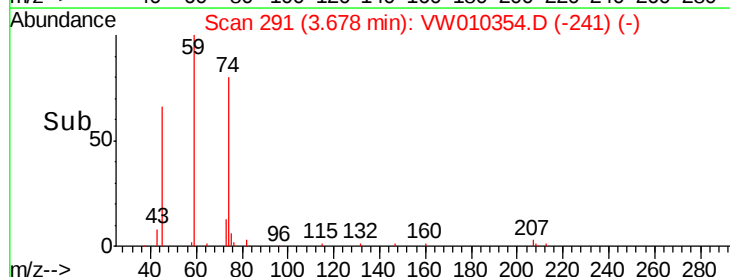
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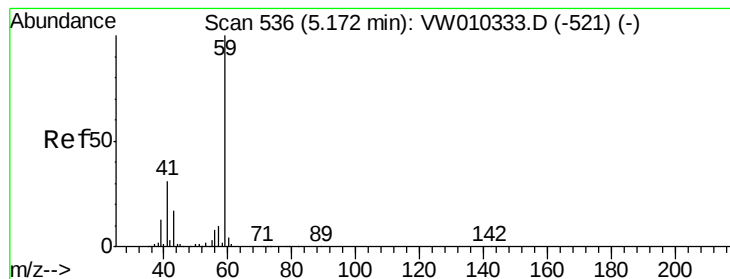
4000

2000

0

Time--> 3.55 3.60 3.65 3.70 3.75



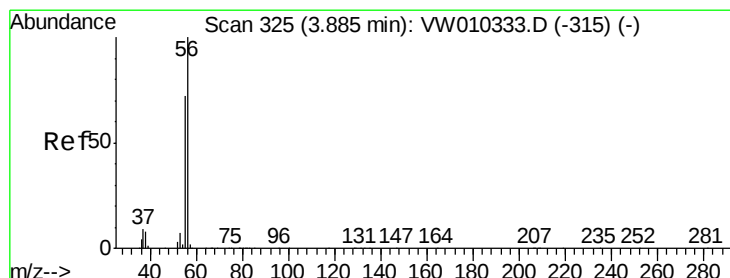
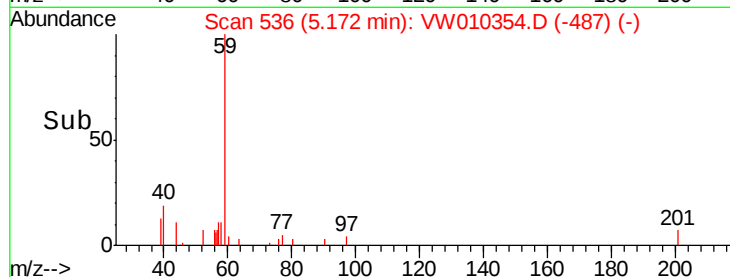
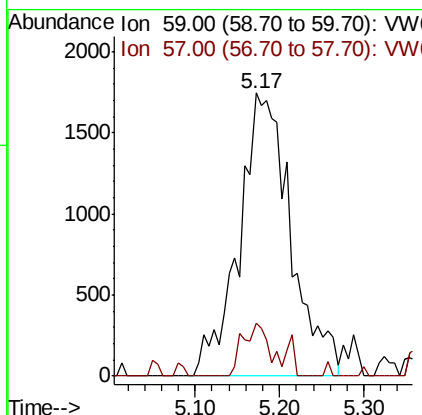
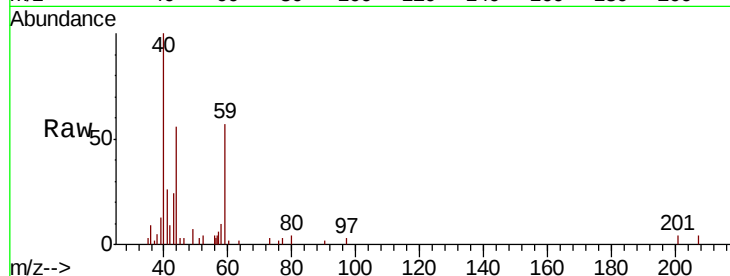


#11

Tert butyl alcohol
 Concen: 6.952 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

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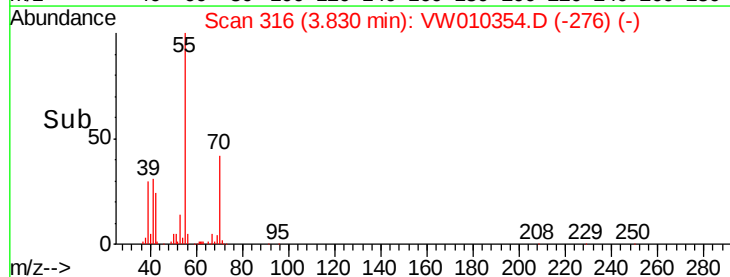
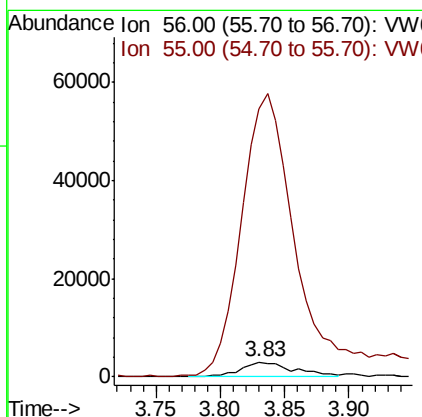
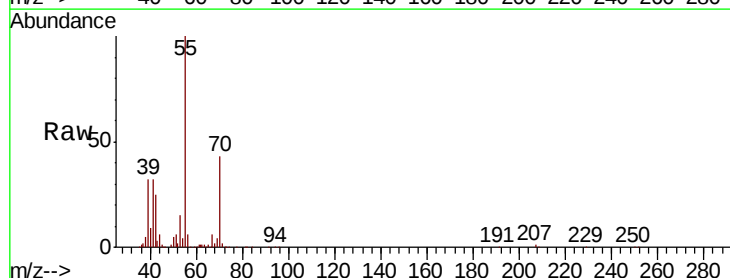
Tgt Ion: 59 Resp: 7362
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

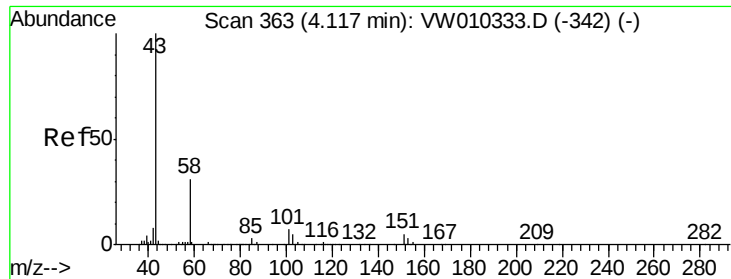


#13

Acrolein
 Concen: 6.301 ug/l
 RT: 3.83 min Scan# 316
 Delta R.T. -0.05 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion: 56 Resp: 8810
 Ion Ratio Lower Upper
 56 100
 55 1933.4 54.2 81.2#

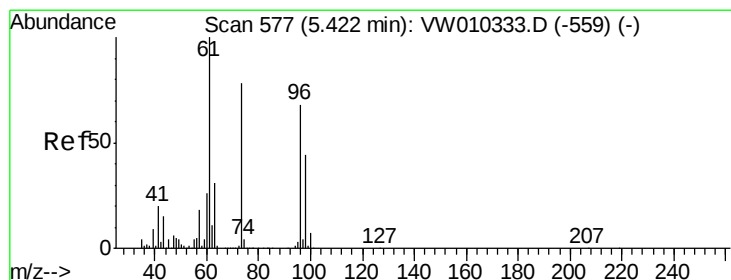
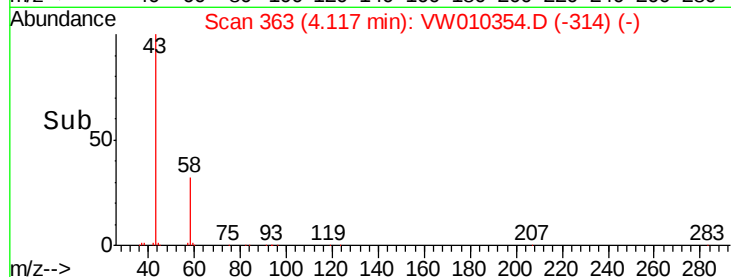
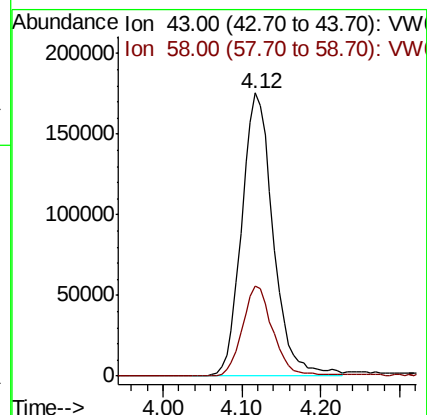
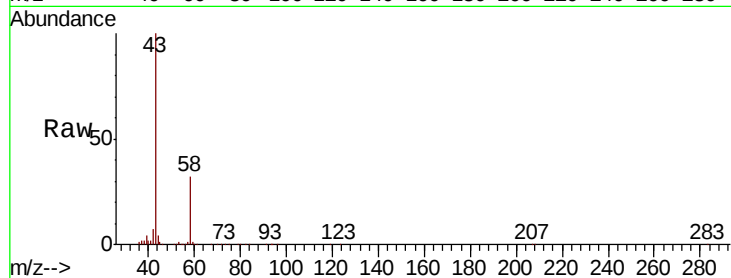




#16
Acetone
Concen: 124.391 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

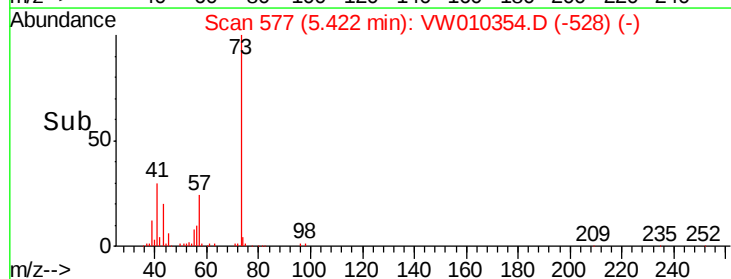
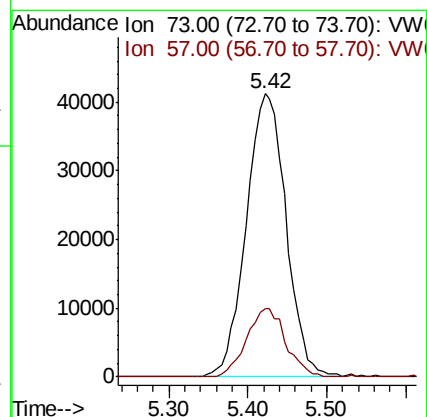
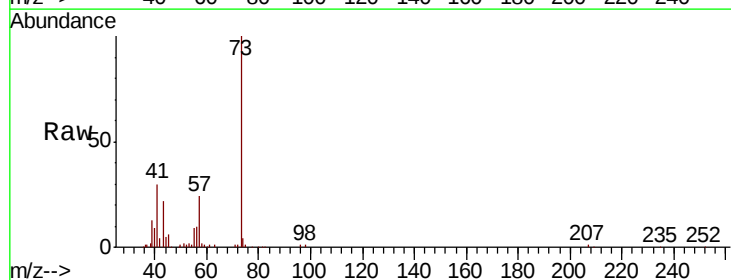
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

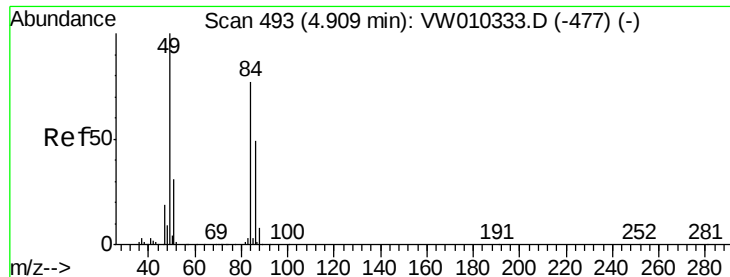
Tgt Ion: 43 Resp: 486267
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1



#19
Methyl tert-butyl Ether
Concen: 7.905 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion: 73 Resp: 144730
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7

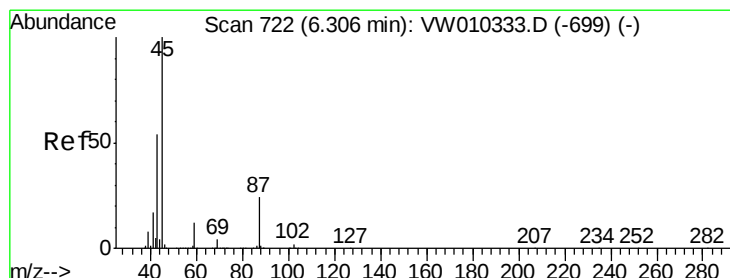
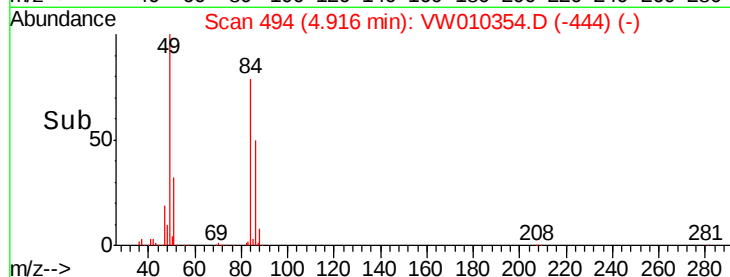
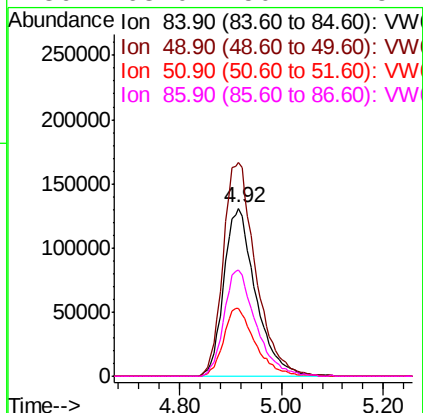
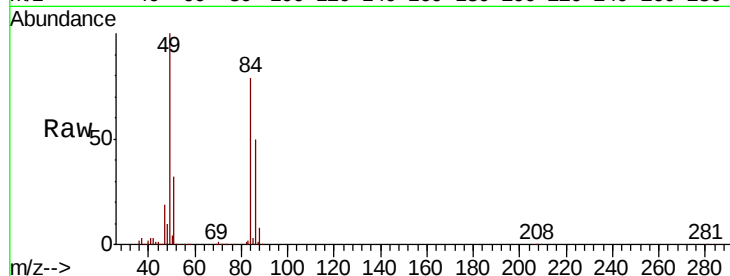




#20
Methylene Chloride
Concen: 34.824 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

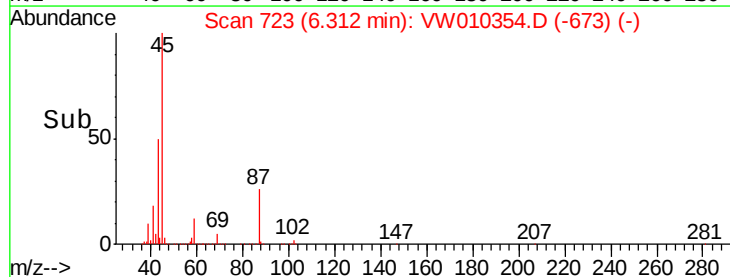
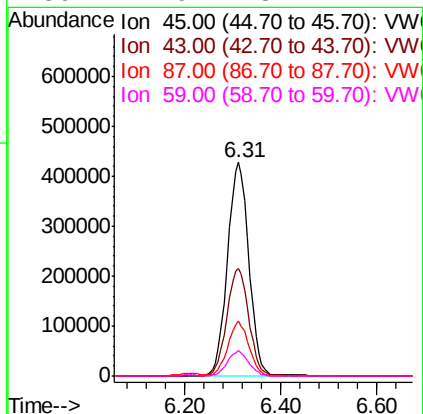
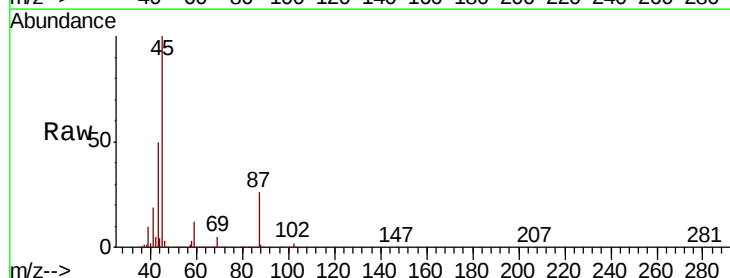
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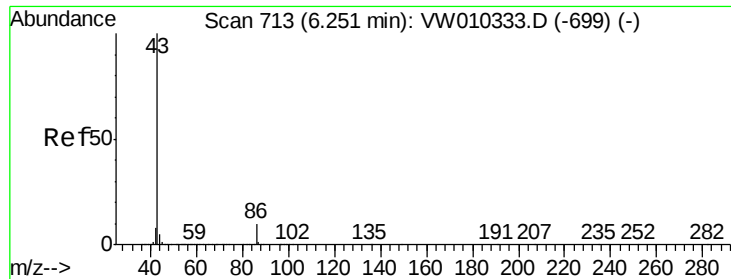
Tgt Ion:	84	Resp:	567809
Ion	Ratio	Lower	Upper
84	100		
49	126.9	112.3	168.5
51	40.3	33.9	50.9
86	63.0	50.2	75.4



#22
Diisopropyl ether
Concen: 29.707 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion:	45	Resp:	1323663
Ion	Ratio	Lower	Upper
45	100		
43	50.4	46.1	69.1
87	25.7	18.3	27.5
59	11.9	8.2	12.4

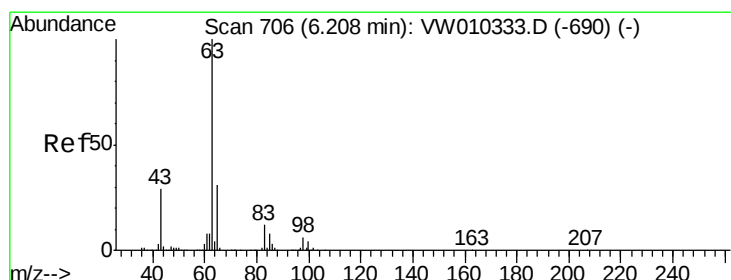
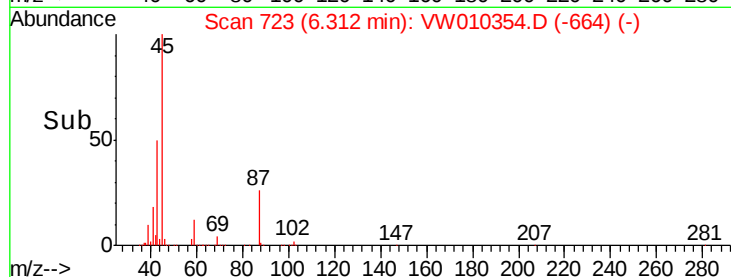
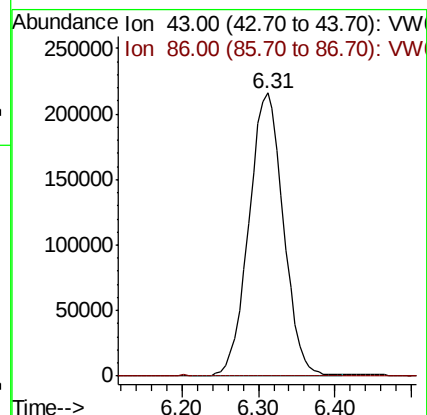
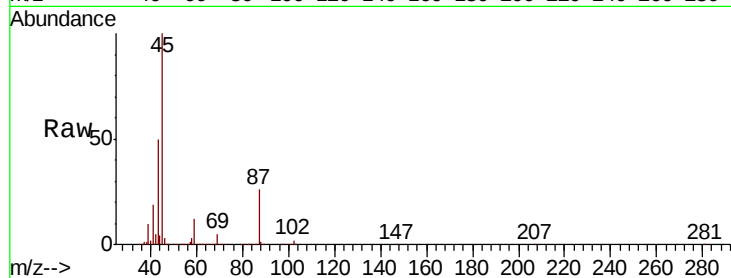




#23
 Vinyl Acetate
 Concen: 22.128 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

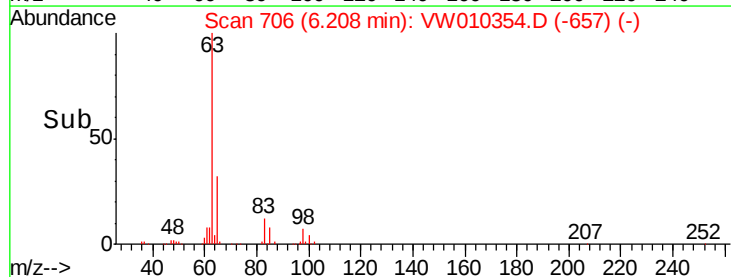
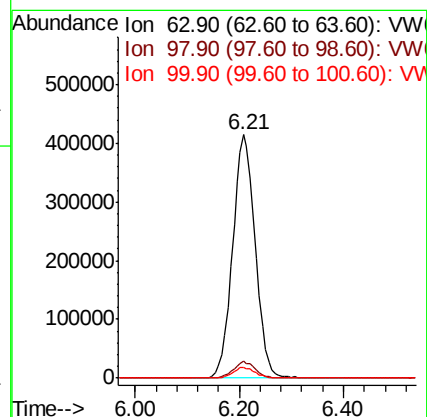
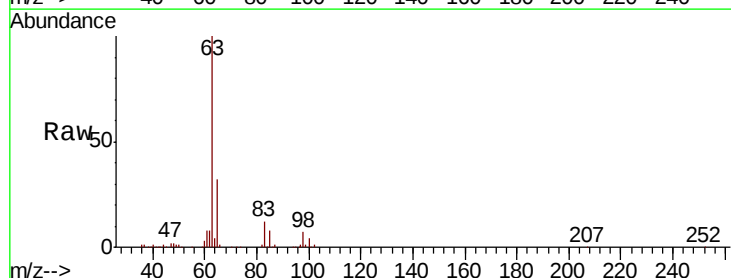
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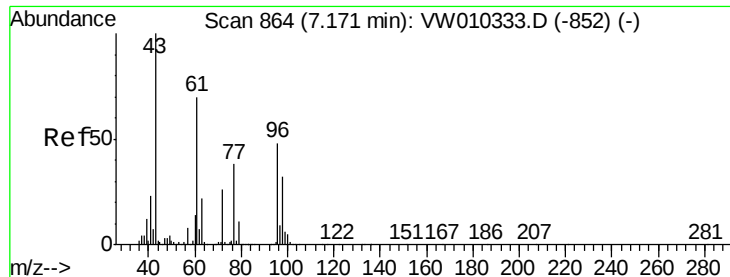
Tgt Ion: 43 Resp: 677002
 Ion Ratio Lower Upper
 43 100
 86 0.3 7.0 10.6#



#24
 1,1-Dichloroethane
 Concen: 41.842 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion: 63 Resp: 1255223
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 77.110 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

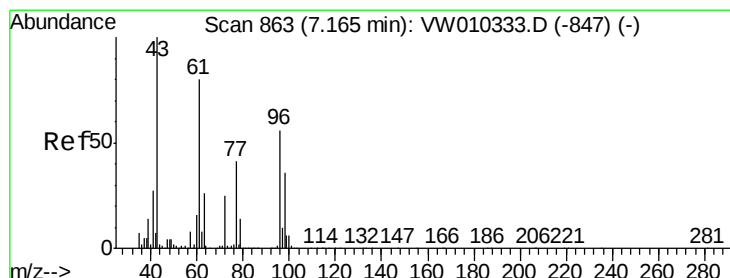
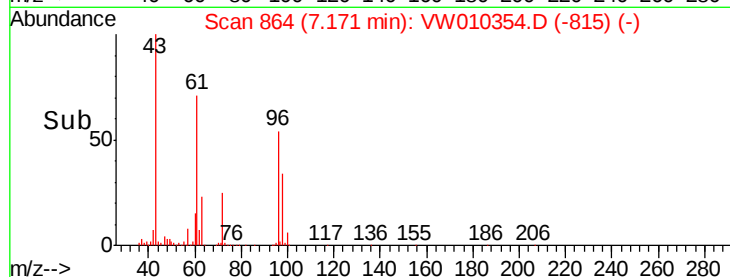
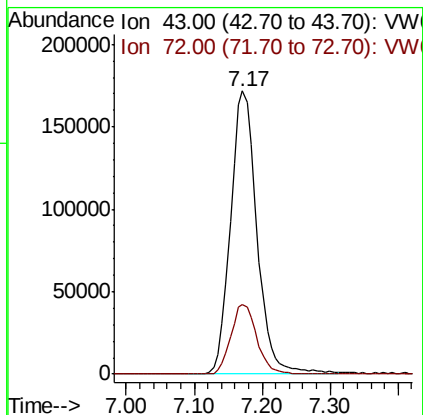
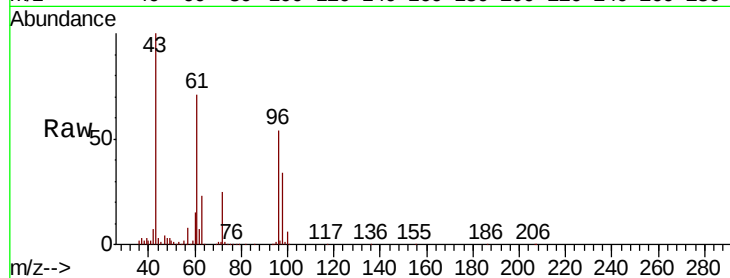
PT-VOA-SOILD

Tgt Ion: 43 Resp: 461144

Ion Ratio Lower Upper

43 100

72 24.6 19.1 28.7



#27

cis-1,2-Dichloroethene

Concen: 15.377 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

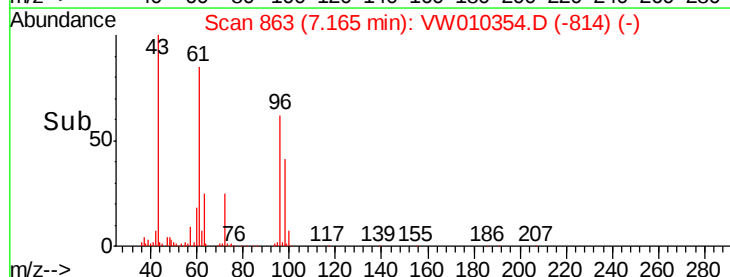
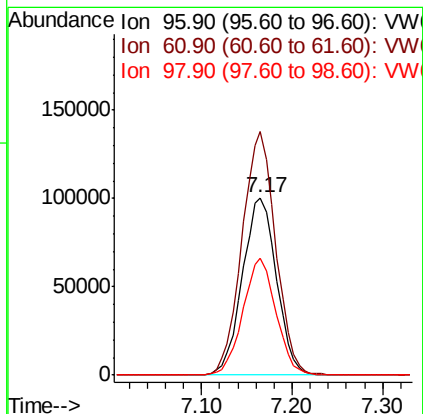
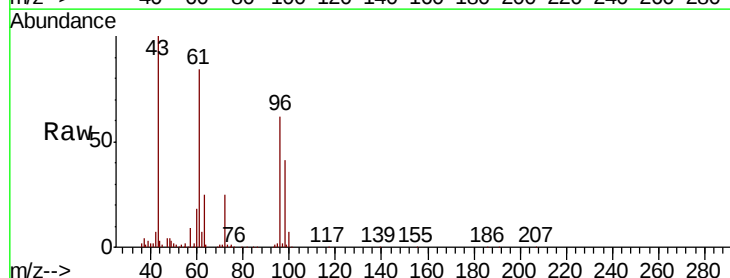
Tgt Ion: 96 Resp: 261812

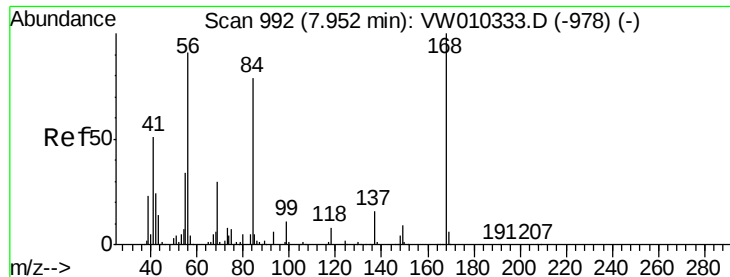
Ion Ratio Lower Upper

96 100

61 135.6 0.0 309.4

98 63.9 0.0 128.6

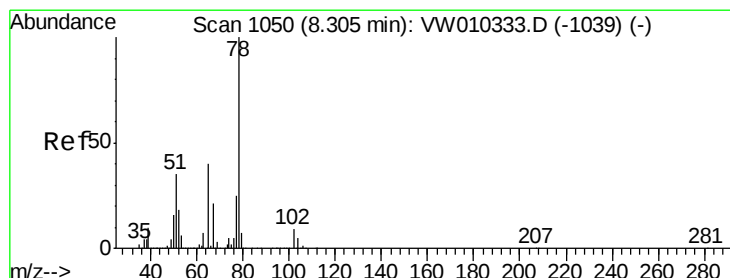
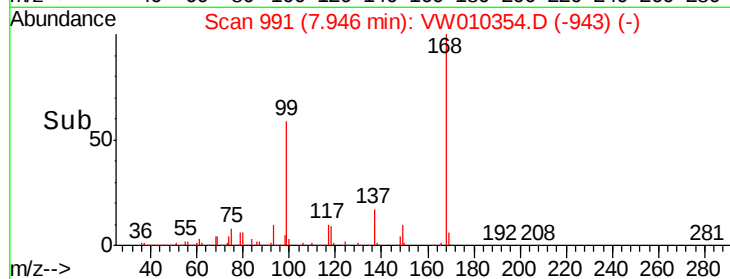
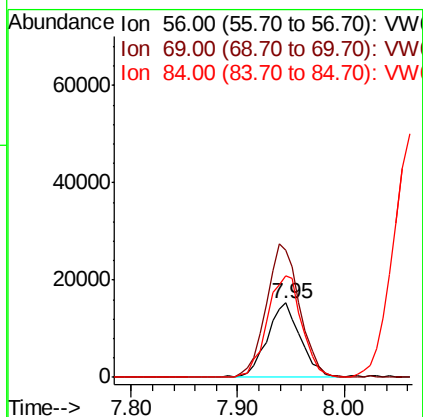
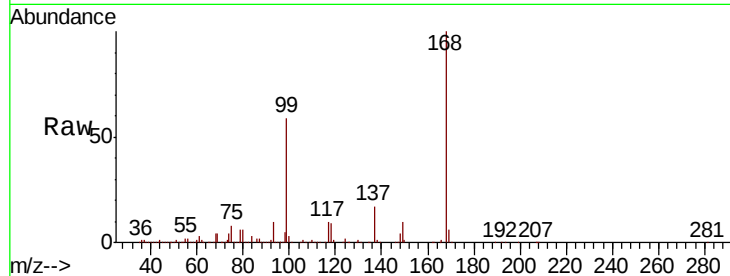




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

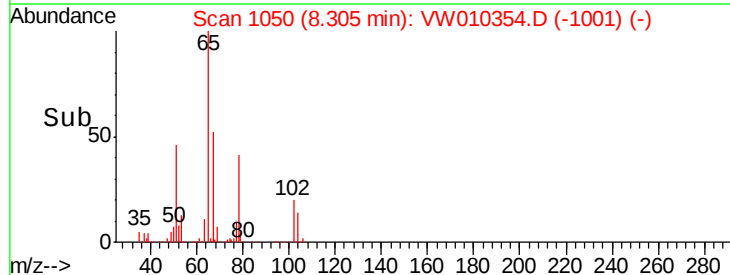
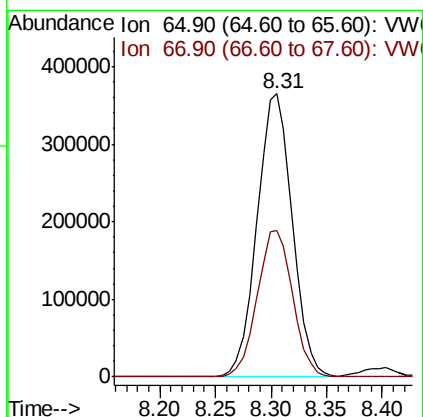
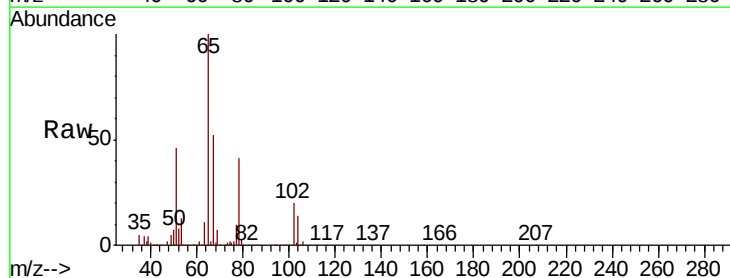
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

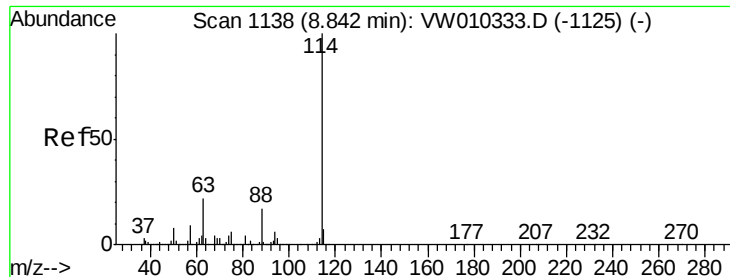
Tgt Ion: 56 Resp: 33336
Ion Ratio Lower Upper
56 100
69 171.9 26.6 40.0#
84 136.7 66.2 99.2#



#33
1,2-Dichloroethane-d4
Concen: 53.635 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion: 65 Resp: 804278
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

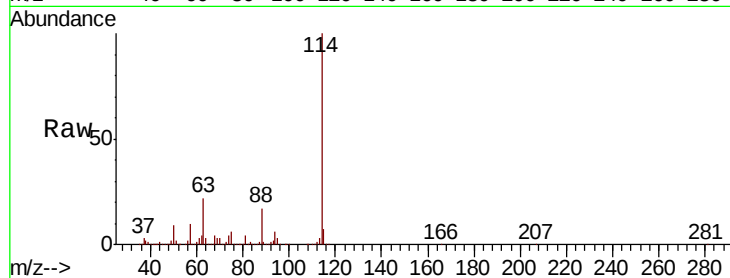
Tgt Ion:114 Resp: 2427575

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

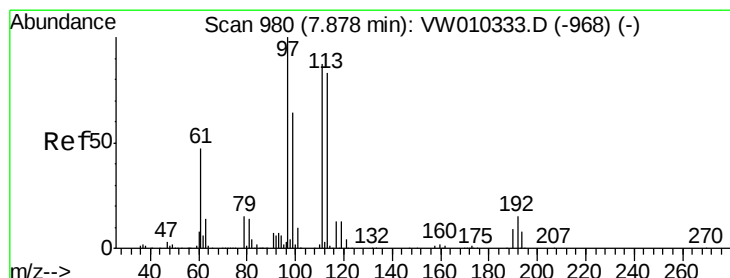
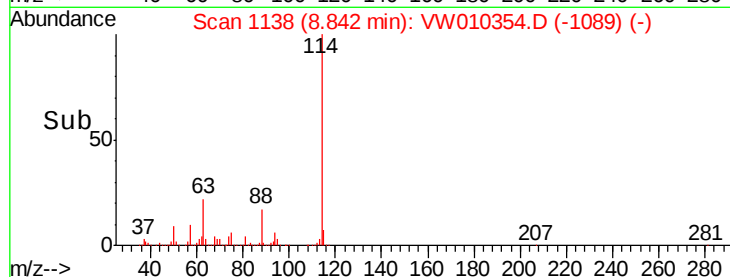
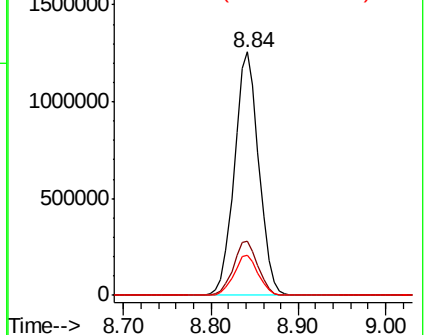
88 16.5 0.0 32.6



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: 48.374 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

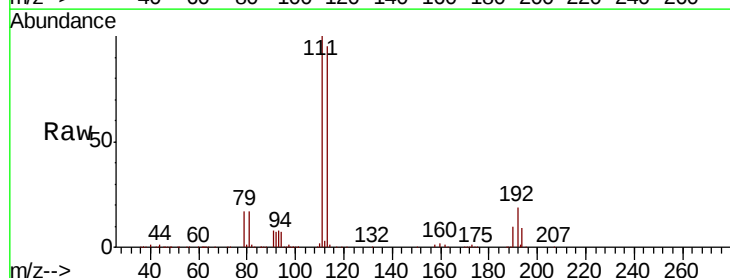
Tgt Ion:113 Resp: 687188

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

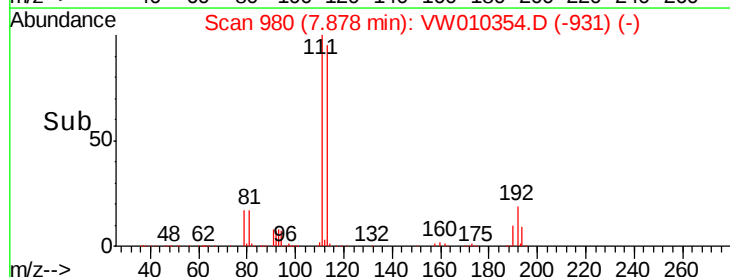
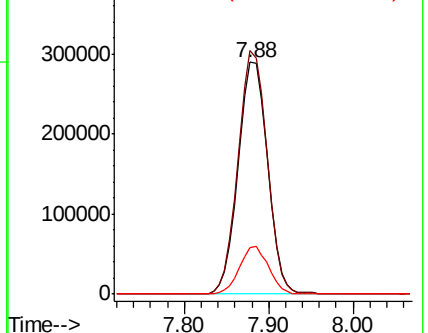
192 20.0 15.4 23.2

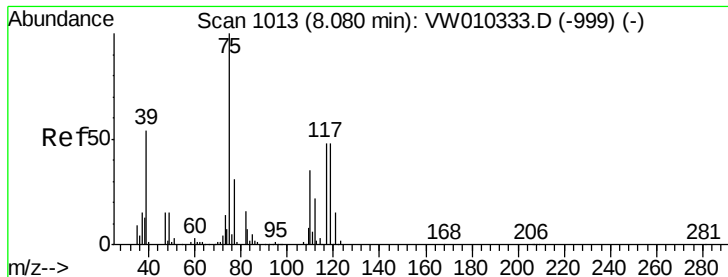


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.410 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampled :

PT-VOA-SOILDL

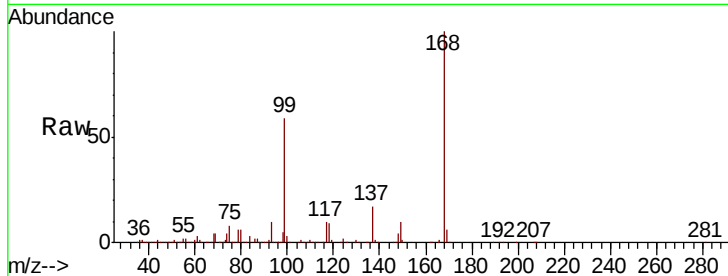
Tgt Ion: 75 Resp: 116072

Ion Ratio Lower Upper

75 100

110 8.9 16.6 49.8#

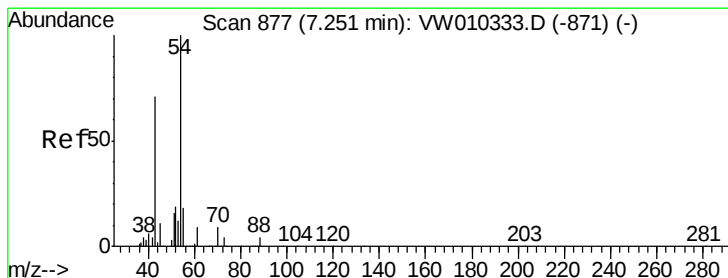
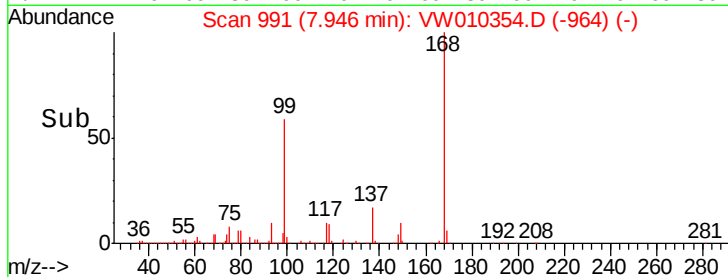
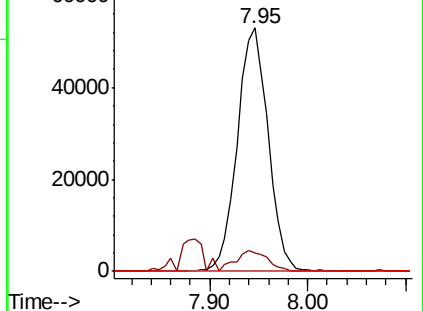
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 32.905 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

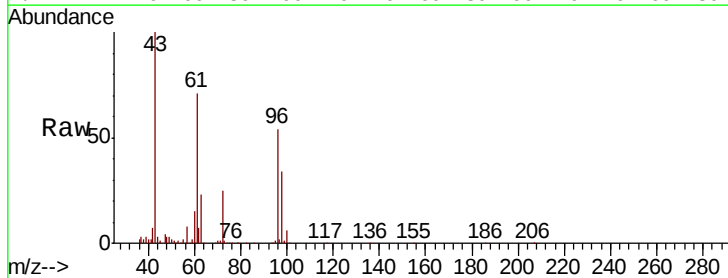
Tgt Ion: 43 Resp: 461144

Ion Ratio Lower Upper

43 100

61 77.0 9.8 14.8#

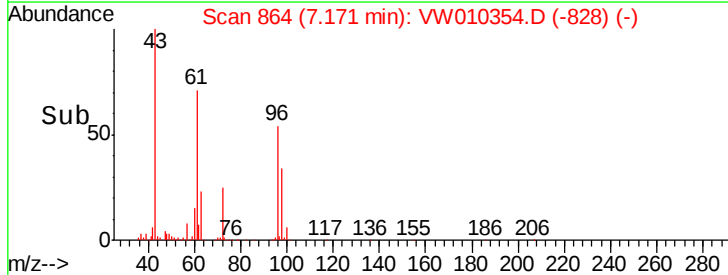
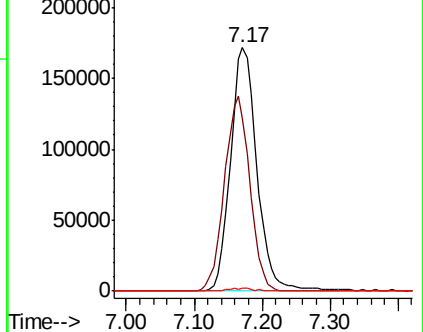
70 1.1 7.4 11.0#

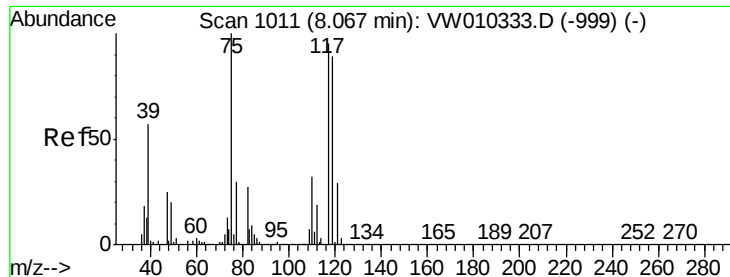


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 32.225 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

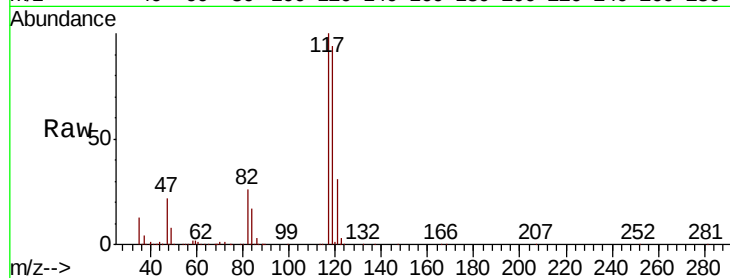
Tgt Ion:117 Resp: 727091

Ion Ratio Lower Upper

117 100

119 93.9 75.3 112.9

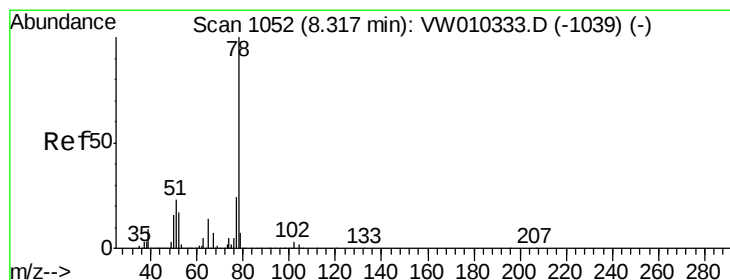
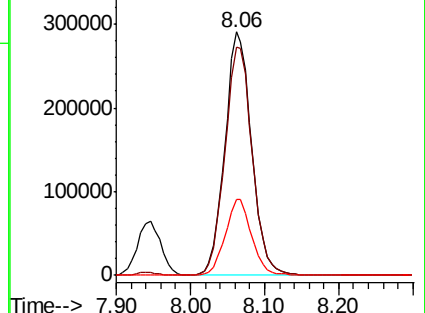
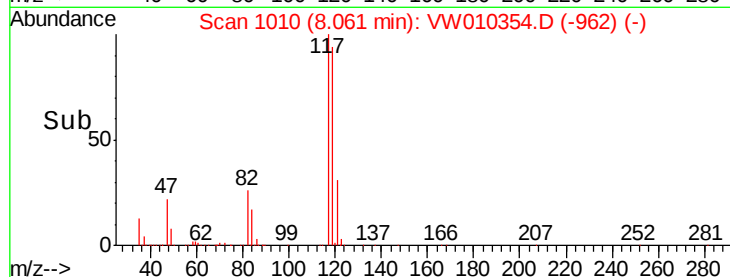
121 31.0 24.4 36.6



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



#40

Benzene

Concen: 8.257 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW010354.D

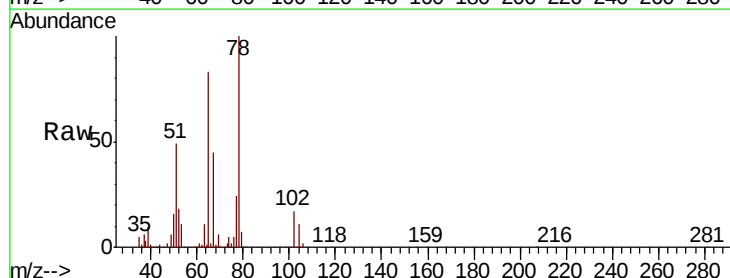
Acq: 10 May 2019 14:14

Tgt Ion: 78 Resp: 595233

Ion Ratio Lower Upper

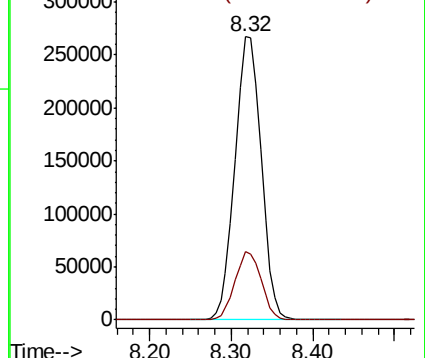
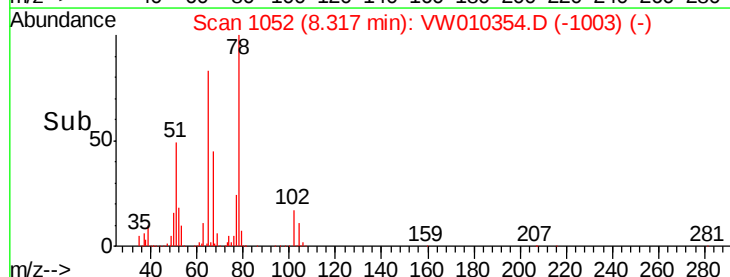
78 100

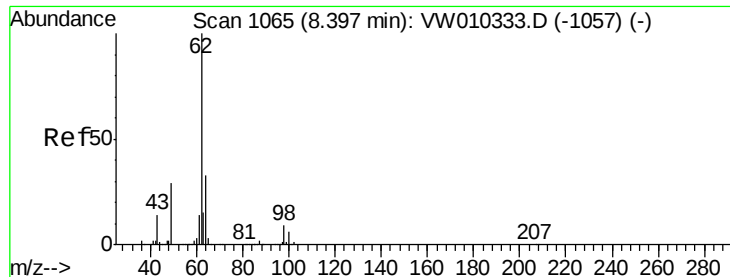
77 24.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#42

1,2-Dichloroethane

Concen: 29.873 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

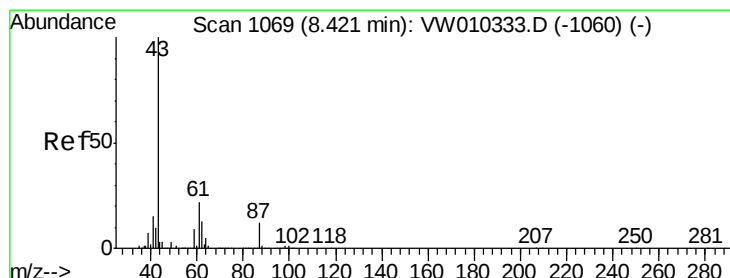
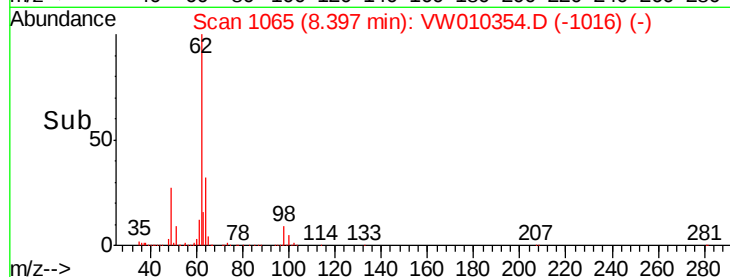
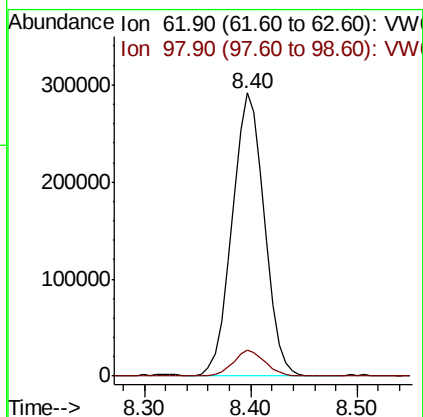
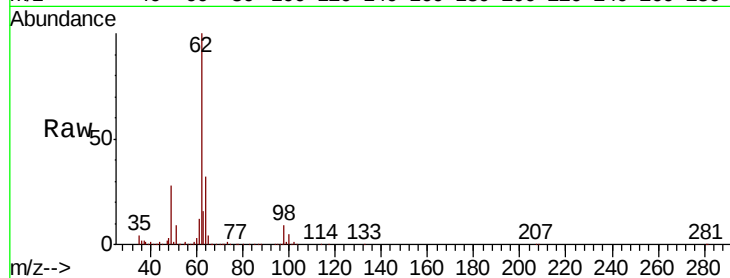
PT-VOA-SOILDL

Tgt Ion: 62 Resp: 616386

Ion Ratio Lower Upper

62 100

98 9.1 0.0 16.6



#43

Isopropyl Acetate

Concen: 16.710 ug/l

RT: 8.50 min Scan# 1082

Delta R.T. 0.08 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

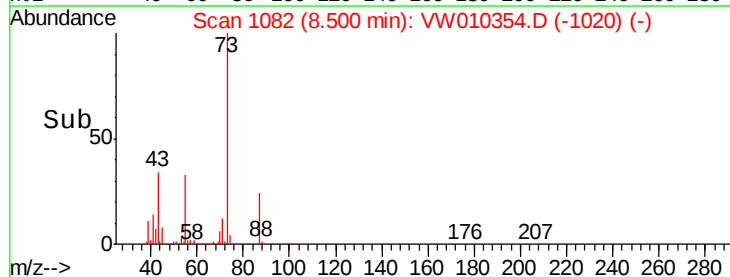
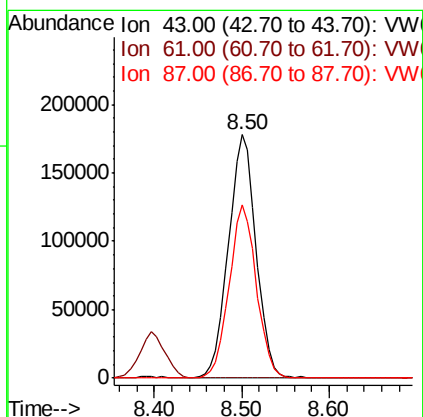
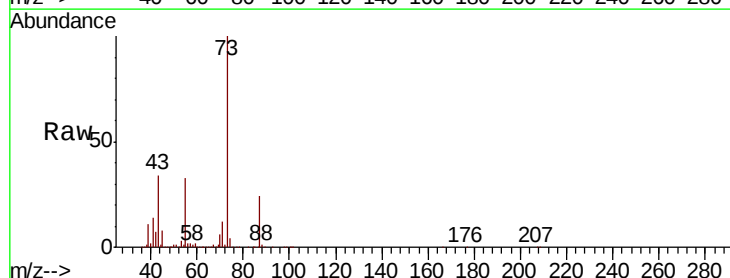
Tgt Ion: 43 Resp: 388393

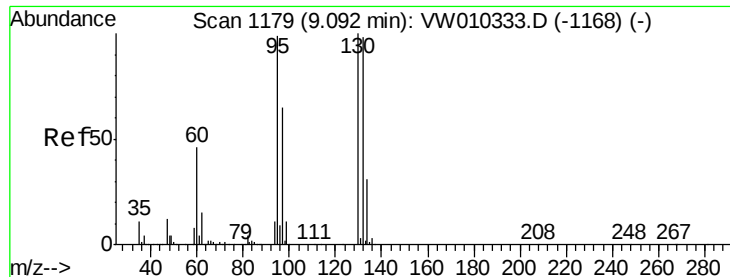
Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

87 70.6 9.3 13.9#





#44

Trichloroethene

Concen: 26.456 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

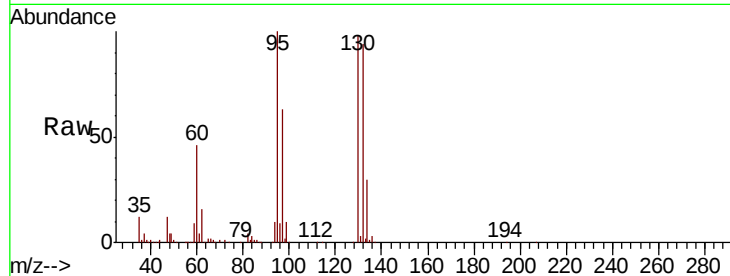
PT-VOA-SOILDL

Tgt Ion:130 Resp: 477438

Ion Ratio Lower Upper

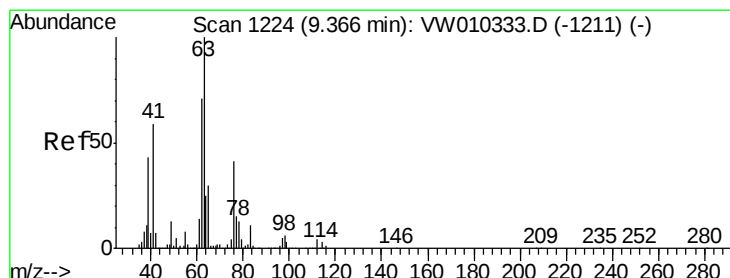
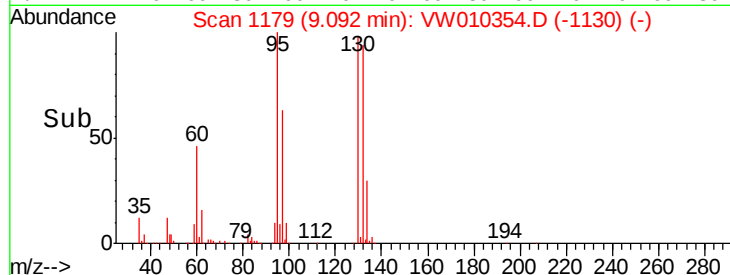
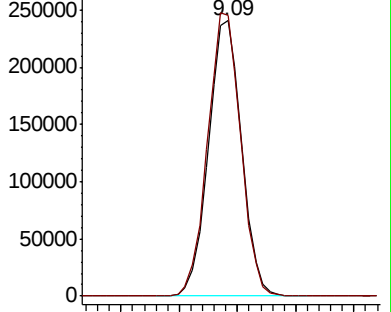
130 100

95 102.1 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 44.669 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010354.D

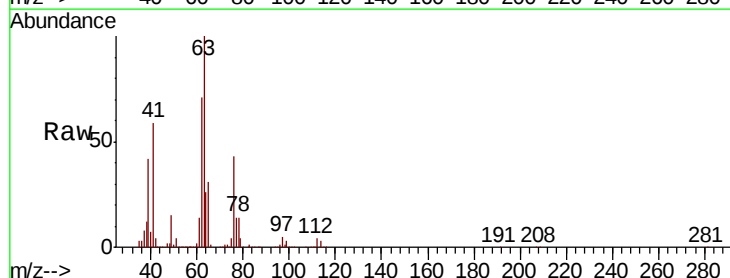
Acq: 10 May 2019 14:14

Tgt Ion: 63 Resp: 800396

Ion Ratio Lower Upper

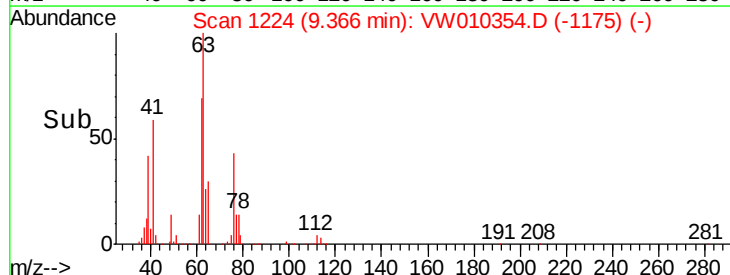
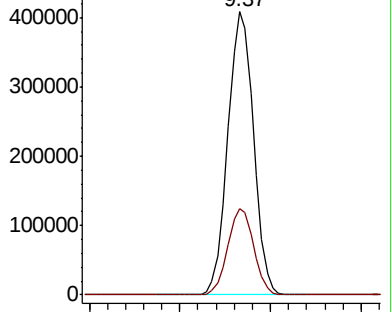
63 100

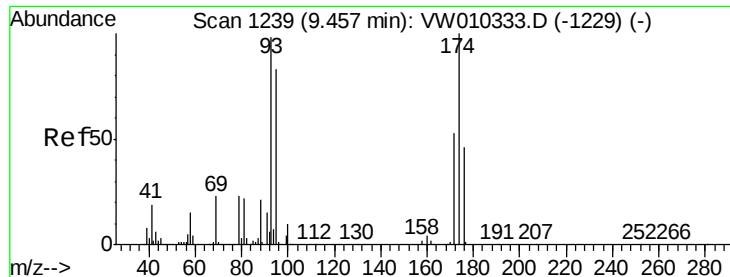
65 30.6 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 28.984 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

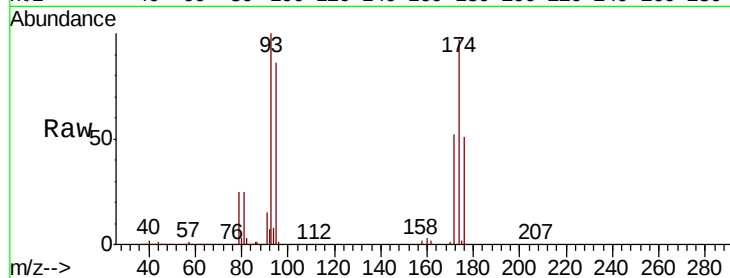
Tgt Ion: 93 Resp: 268299

Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

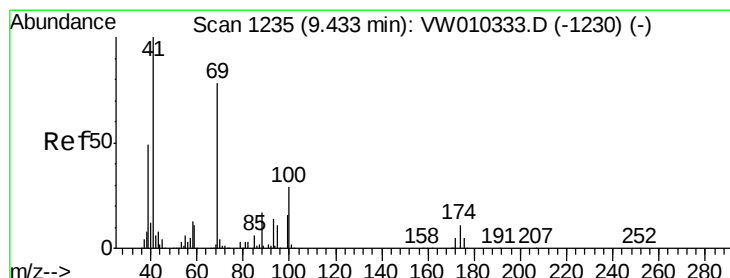
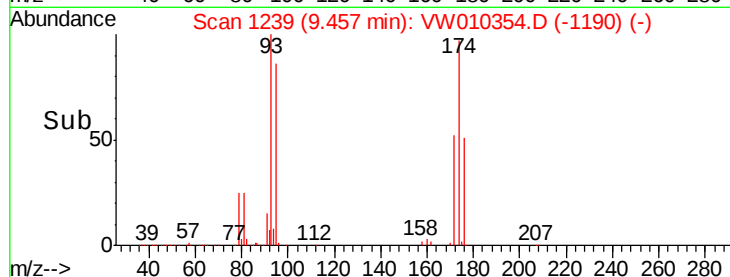
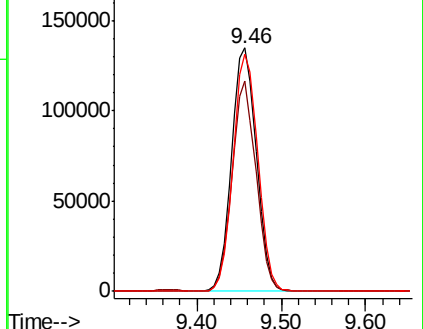
174 97.0 75.5 113.3



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 42.589 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.07 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

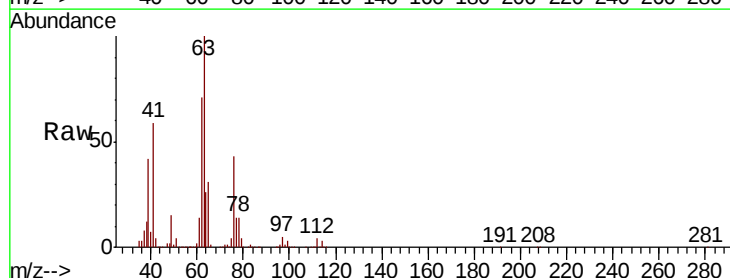
Tgt Ion: 41 Resp: 468046

Ion Ratio Lower Upper

41 100

69 0.0 60.1 90.1#

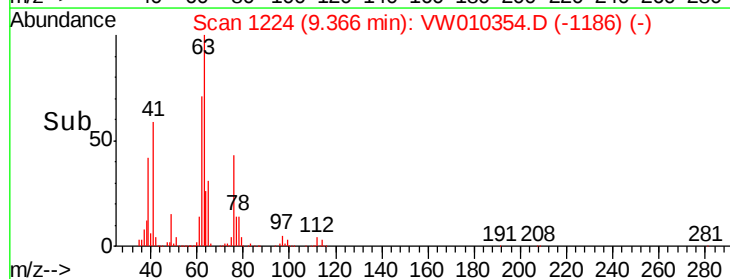
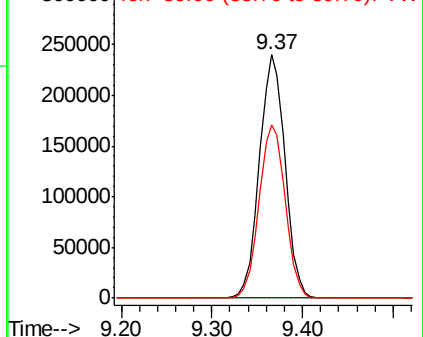
39 72.5 51.0 76.6

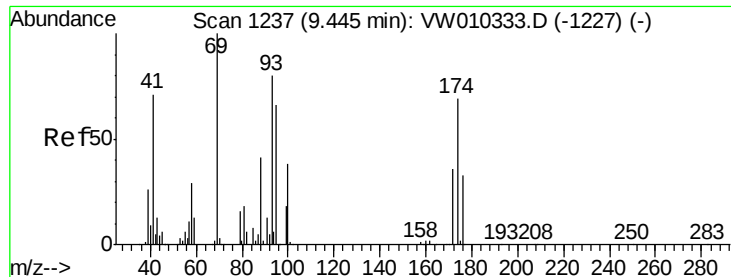


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 10.686 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

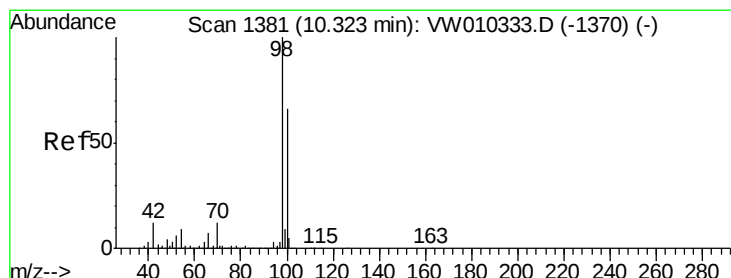
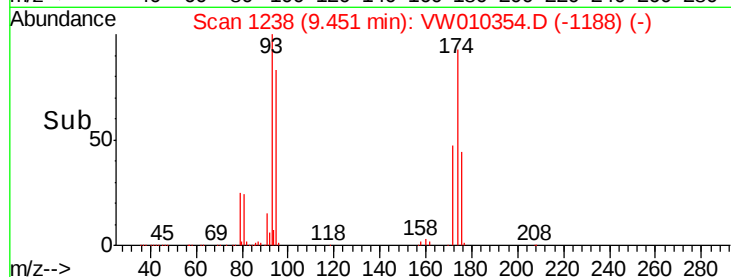
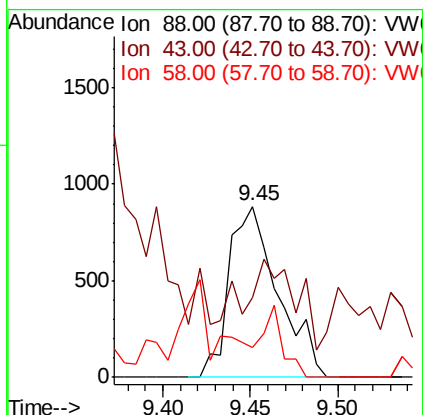
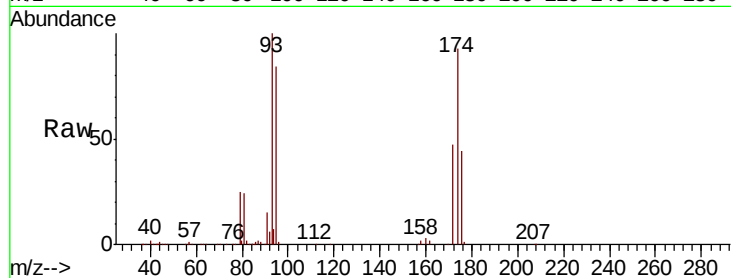
Tgt Ion: 88 Resp: 1725

Ion Ratio Lower Upper

88 100

43 56.4 31.9 47.9#

58 16.8 61.8 92.6#



#50

Toluene-d8

Concen: 48.622 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010354.D

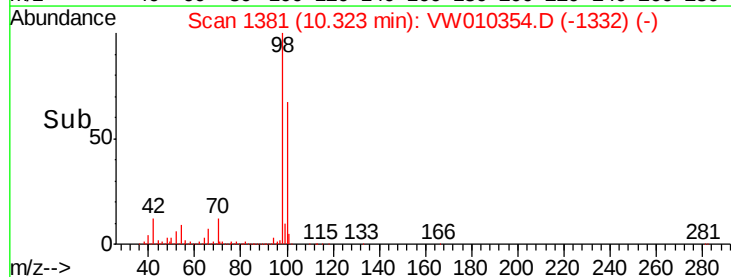
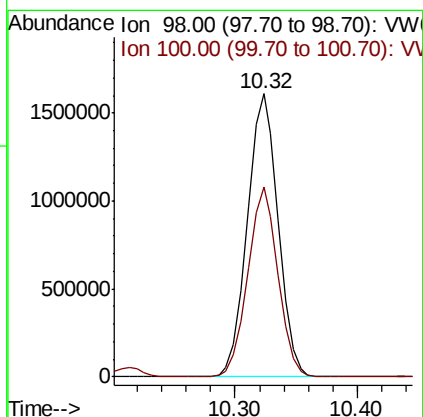
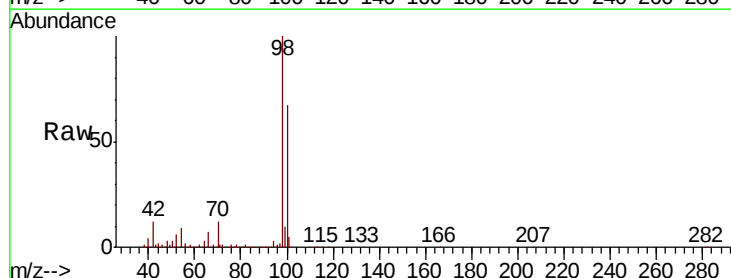
Acq: 10 May 2019 14:14

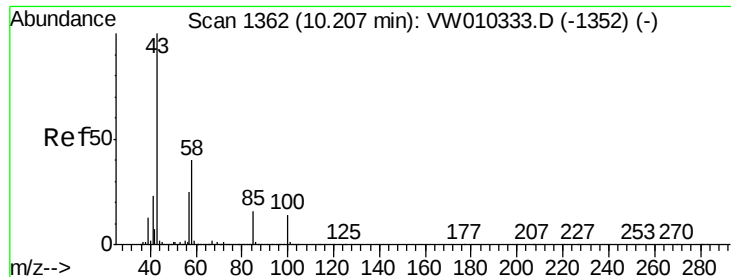
Tgt Ion: 98 Resp: 2812615

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 48.617 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

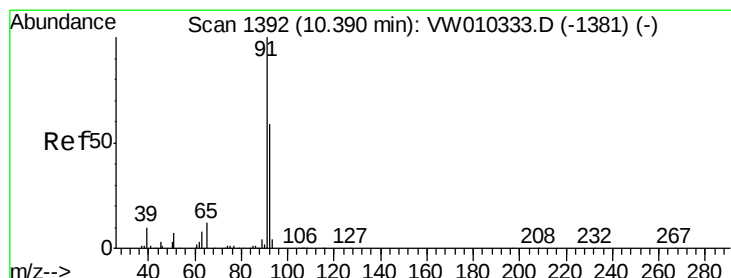
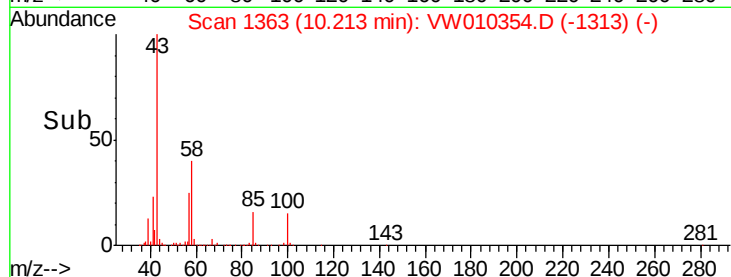
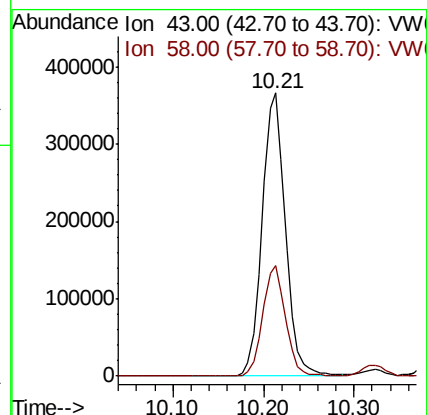
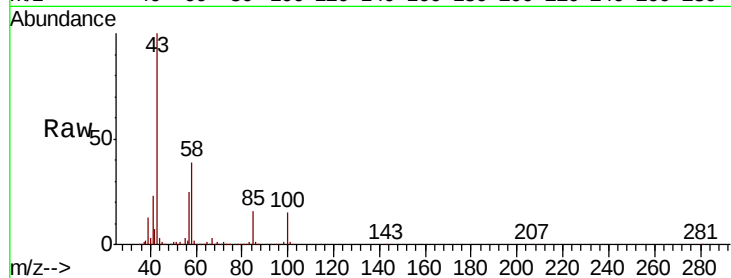
PT-VOA-SOILD

Tgt Ion: 43 Resp: 647947

Ion Ratio Lower Upper

43 100

58 38.2 28.9 43.3



#52

Toluene

Concen: 46.303 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010354.D

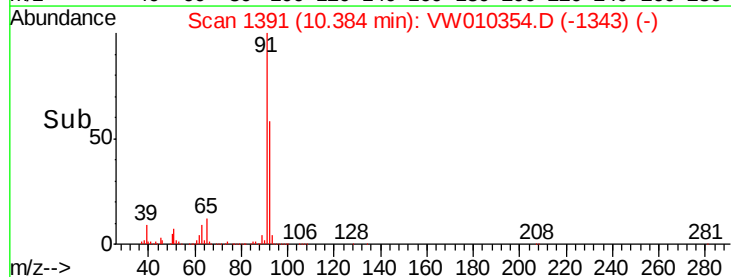
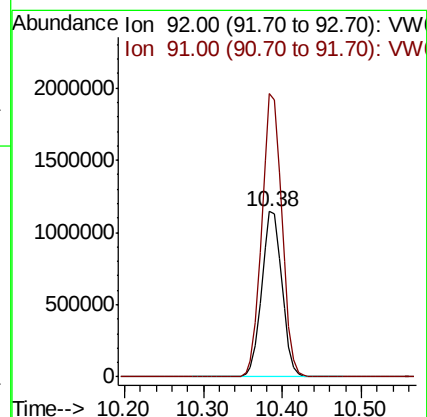
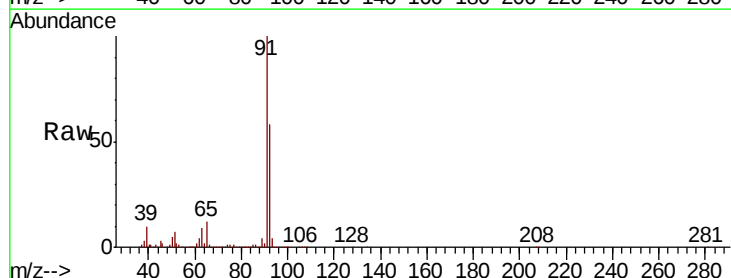
Acq: 10 May 2019 14:14

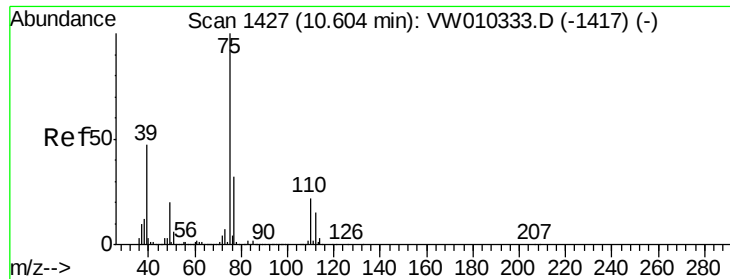
Tgt Ion: 92 Resp: 2040125

Ion Ratio Lower Upper

92 100

91 170.3 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 11.987 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

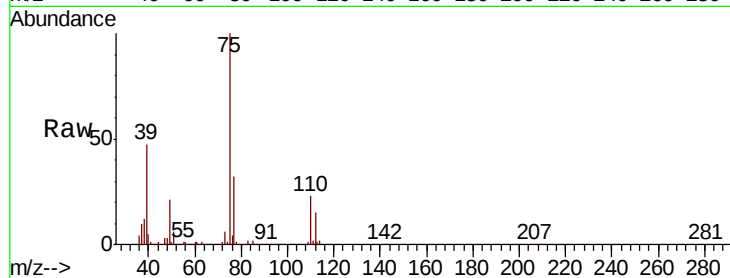
PT-VOA-SOILDL

Tgt Ion: 75 Resp: 269613

Ion Ratio Lower Upper

75 100

77 31.5 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

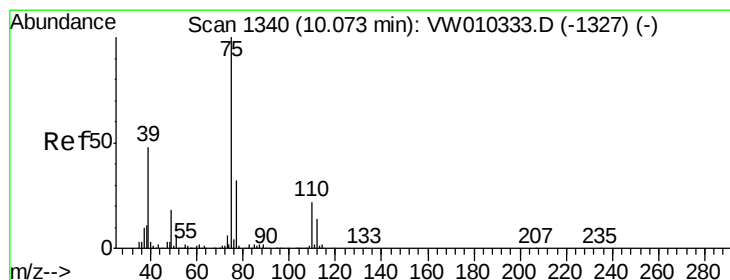
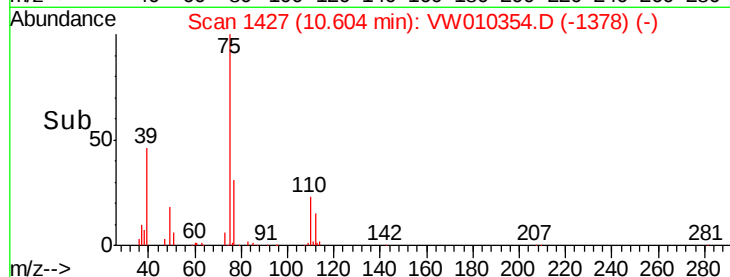
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 12.826 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

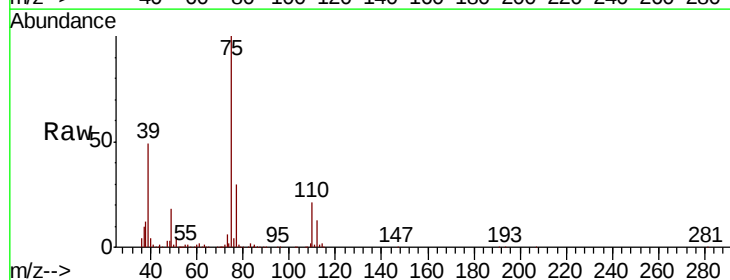
Tgt Ion: 75 Resp: 341657

Ion Ratio Lower Upper

75 100

77 30.2 25.6 38.4

39 49.3 47.8 71.6



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

250000

200000

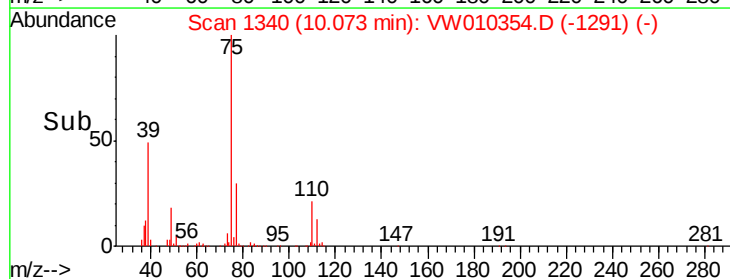
150000

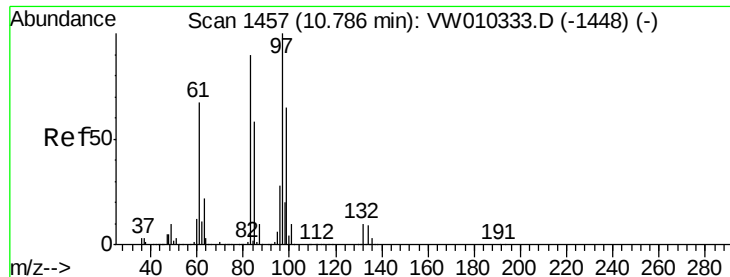
100000

50000

0

Time--> 10.00 10.10

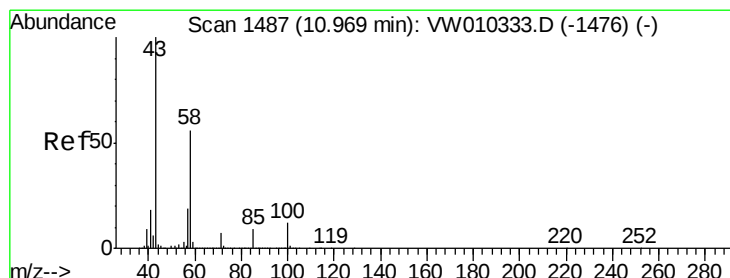
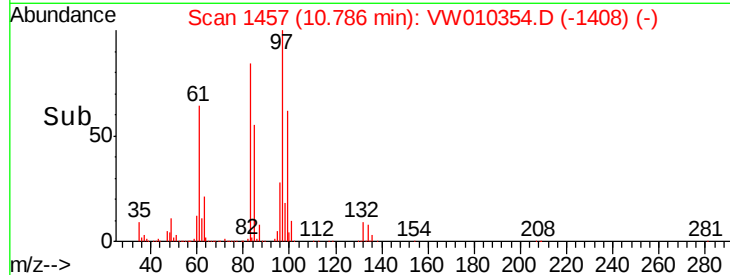
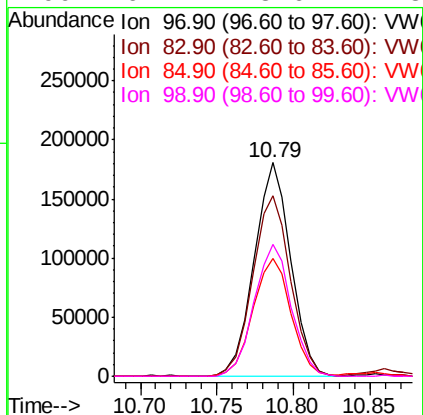
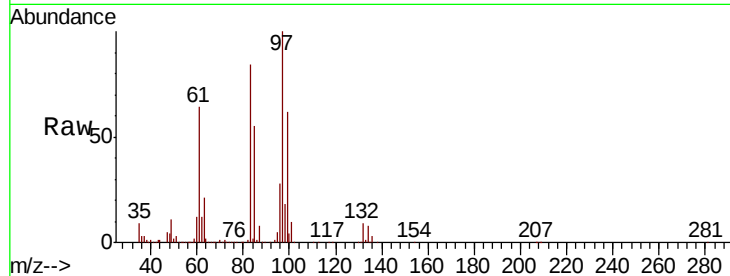




#55
 1,1,2-Trichloroethane
 Concen: 22.793 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

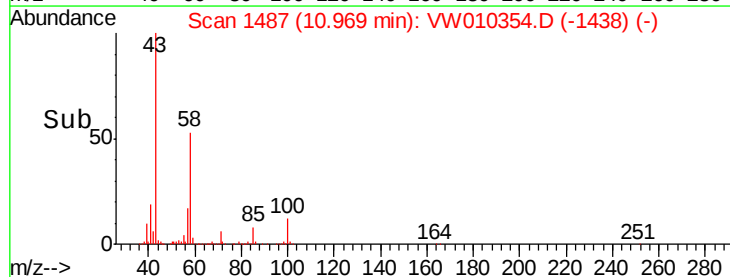
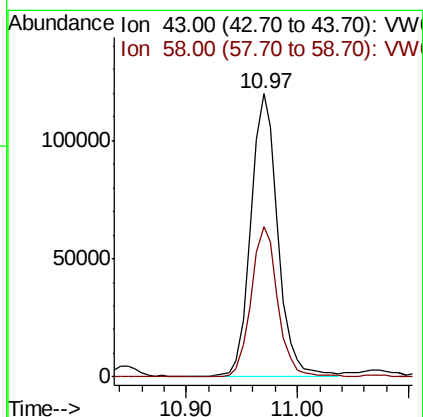
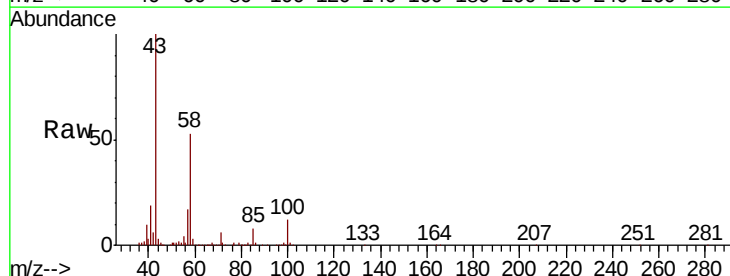
Instrument :
 MSVOA_W
 ClientSampleID :
 PT-VOA-SOILDL

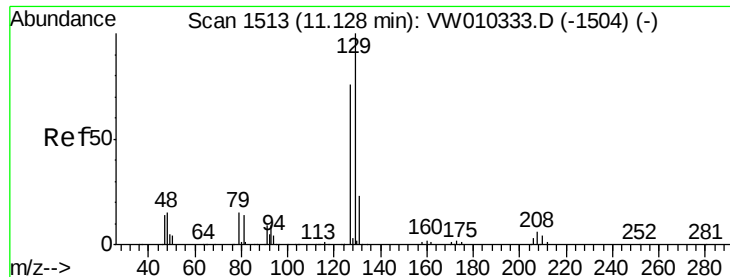
Tgt Ion:	97	Resp:	299679
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.9	103.3
85	55.2	42.9	64.3
99	62.1	48.6	72.8



#59
 2-Hexanone
 Concen: 21.471 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion:	43	Resp:	202319
Ion	Ratio	Lower	Upper
43	100		
58	52.4	24.9	74.7





#60

Dibromochloromethane

Concen: 21.905 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

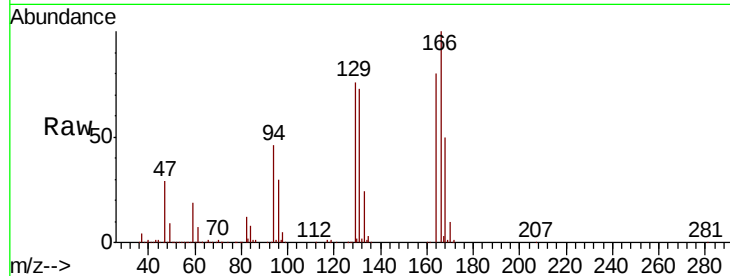
PT-VOA-SOILDL

Tgt Ion:129 Resp: 309909

Ion Ratio Lower Upper

129 100

127 0.2 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.86

200000

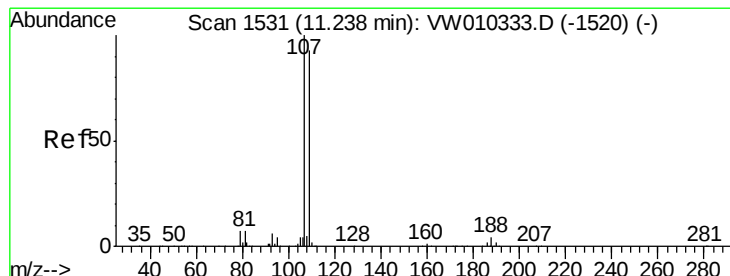
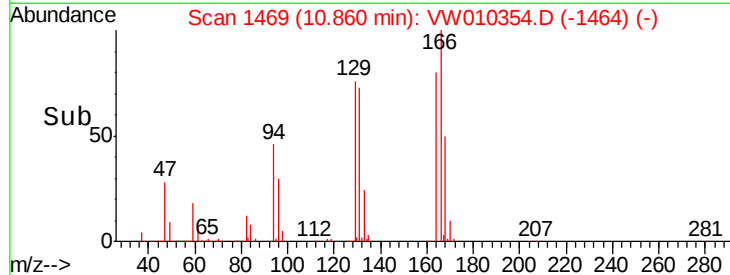
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 21.289 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010354.D

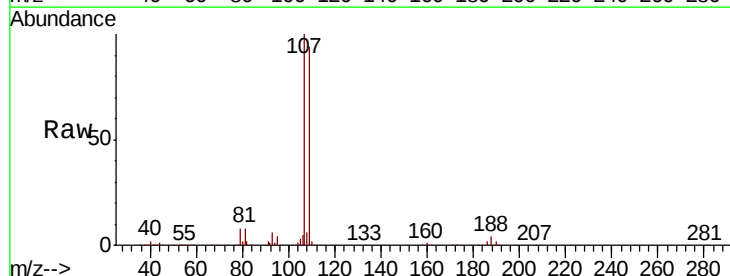
Acq: 10 May 2019 14:14

Tgt Ion:107 Resp: 268695

Ion Ratio Lower Upper

107 100

109 93.7 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

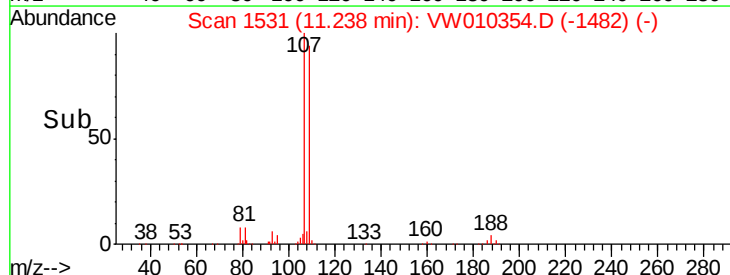
150000

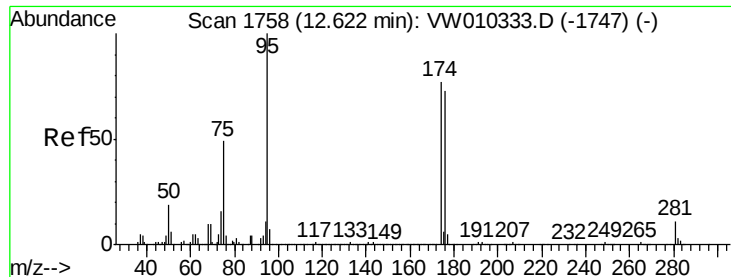
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.916 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

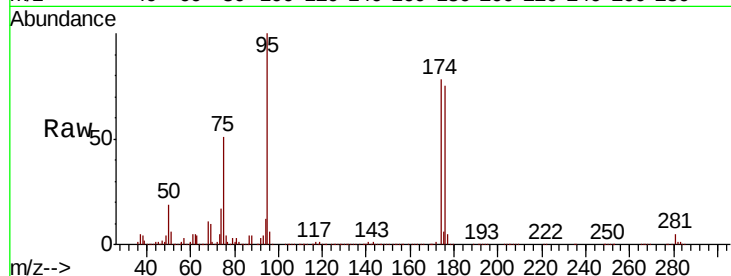
Tgt Ion: 95 Resp: 975680

Ion Ratio Lower Upper

95 100

174 76.6 0.0 151.4

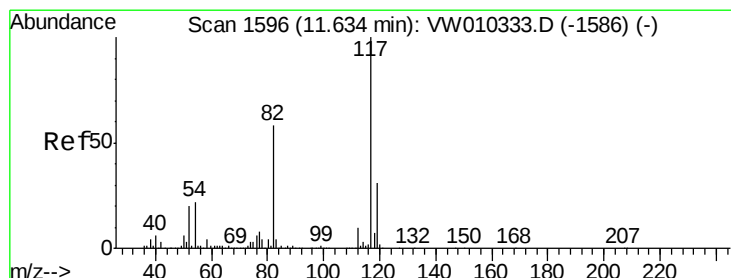
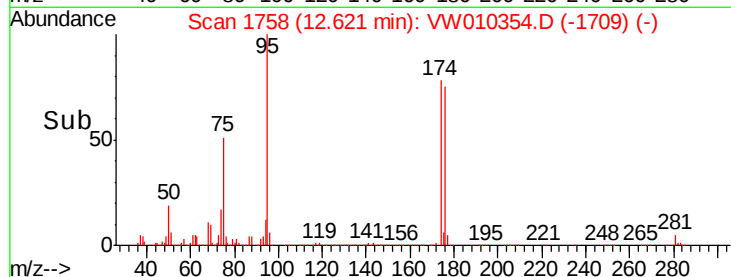
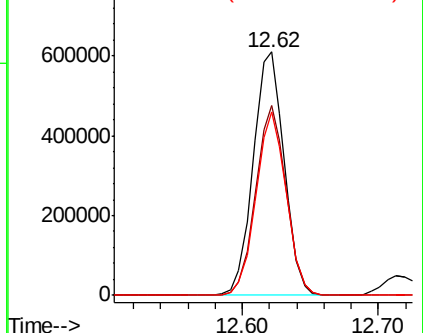
176 73.7 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

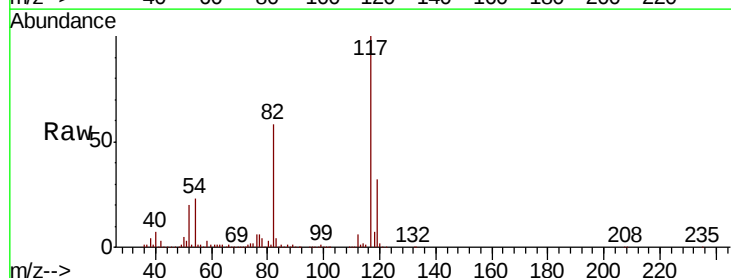
Tgt Ion: 117 Resp: 2131383

Ion Ratio Lower Upper

117 100

82 58.2 45.2 67.8

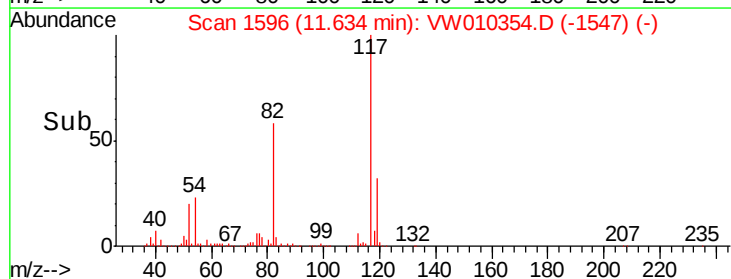
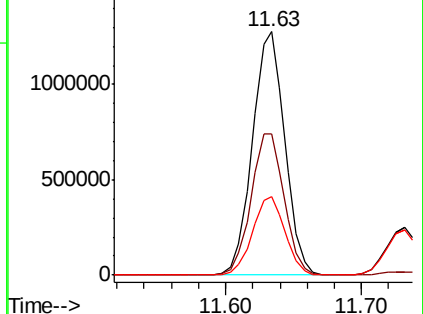
119 32.2 25.4 38.2

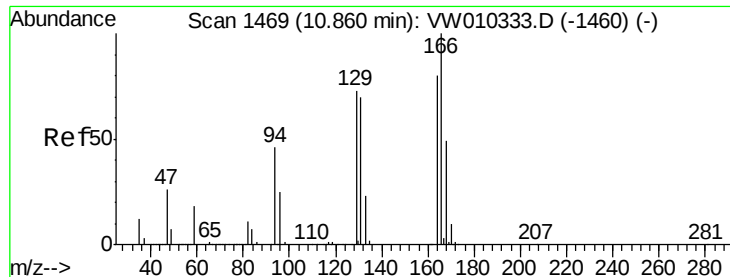


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 23.808 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILDL

Tgt Ion:164 Resp: 354668

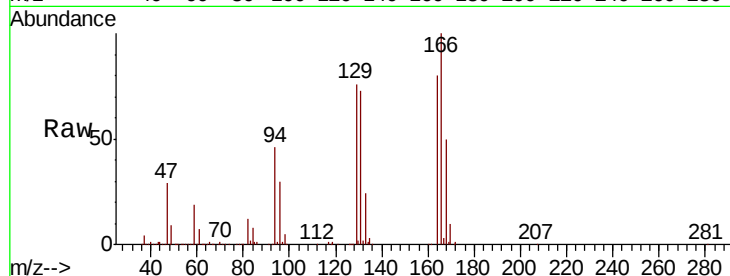
Ion Ratio Lower Upper

164 100

166 124.8 101.2 151.8

129 95.1 77.8 116.6

131 91.0 73.1 109.7



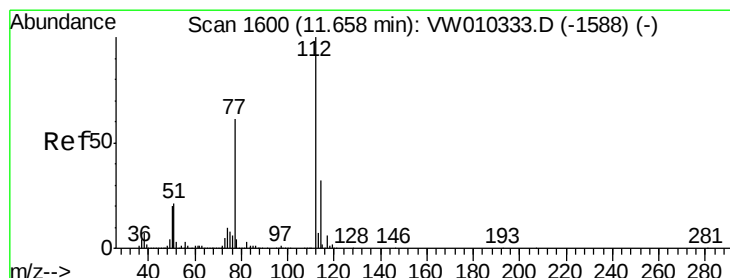
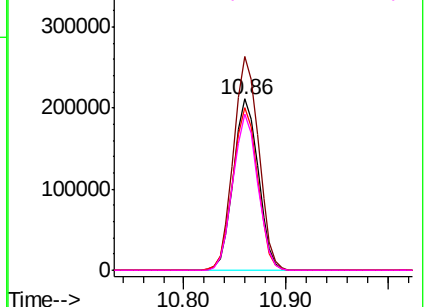
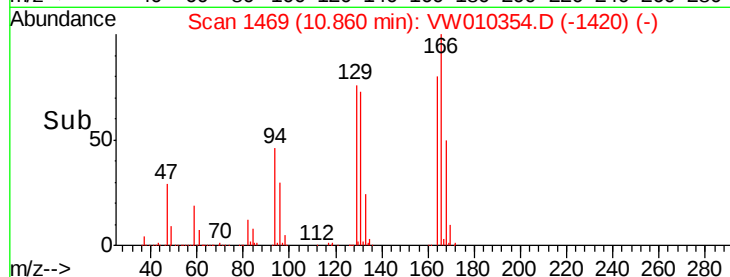
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 30.061 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010354.D

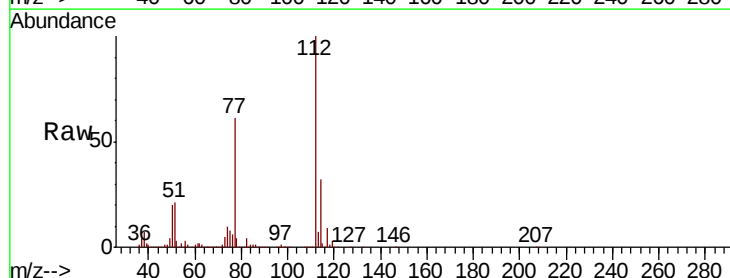
Acq: 10 May 2019 14:14

Tgt Ion:112 Resp: 1326286

Ion Ratio Lower Upper

112 100

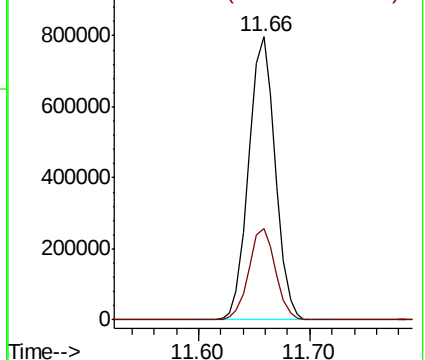
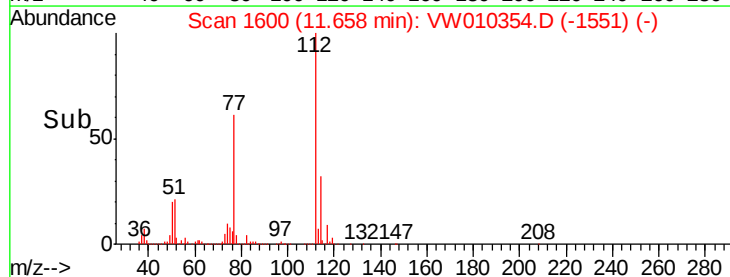
114 32.2 26.5 39.7

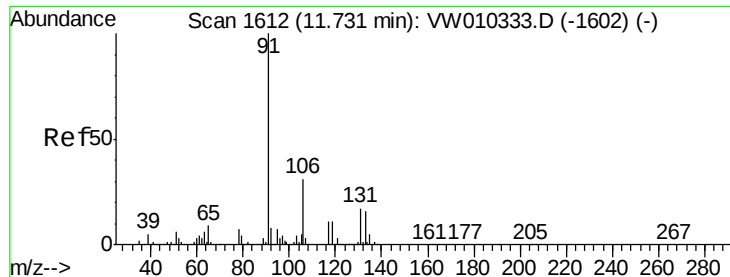


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

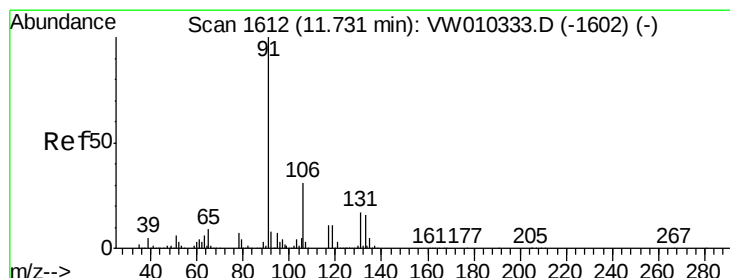
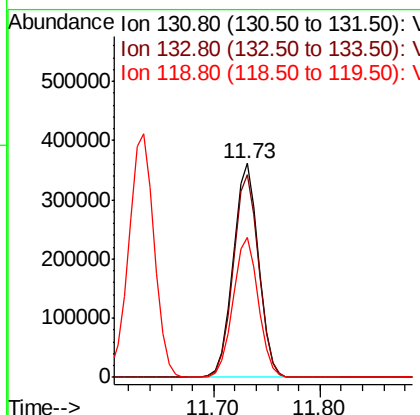
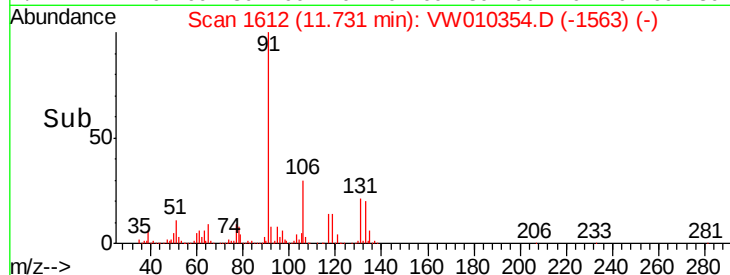
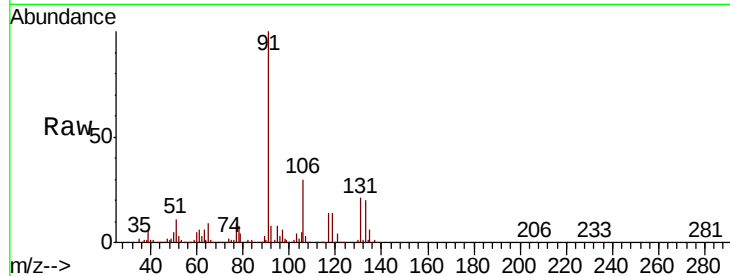




#66
 1,1,1,2-Tetrachloroethane
 Concen: 40.388 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

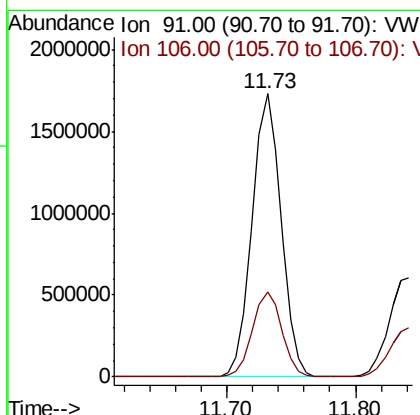
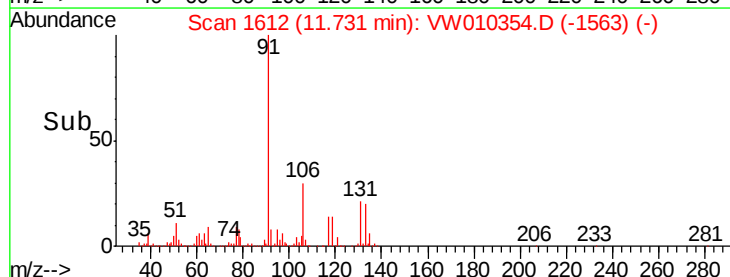
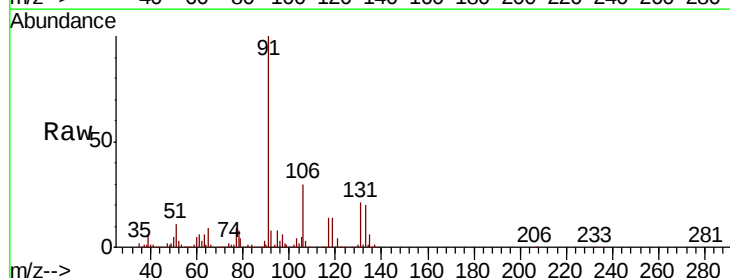
Instrument :
 MSVOA_W
 ClientSampleID :
 PT-VOA-SOILD

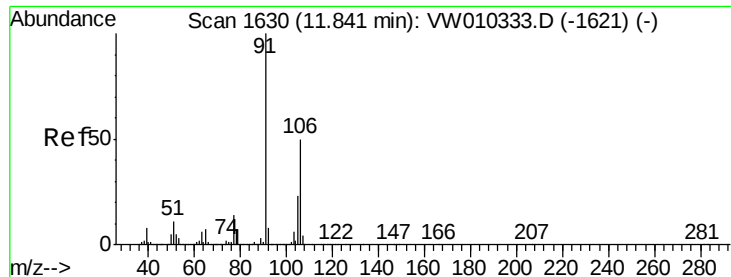
Tgt Ion: 131 Resp: 602275
 Ion Ratio Lower Upper
 131 100
 133 95.3 46.5 139.5
 119 65.4 31.9 95.5



#67
 Ethyl Benzene
 Concen: 33.081 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion: 91 Resp: 2685023
 Ion Ratio Lower Upper
 91 100
 106 30.1 23.8 35.8

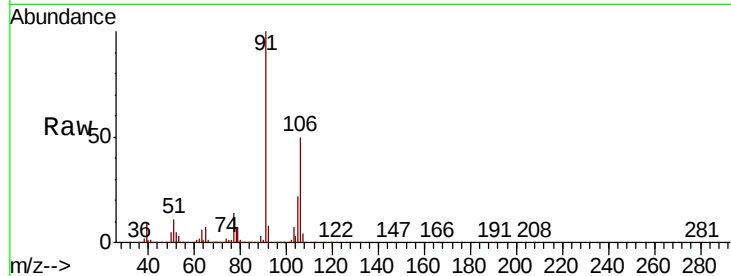




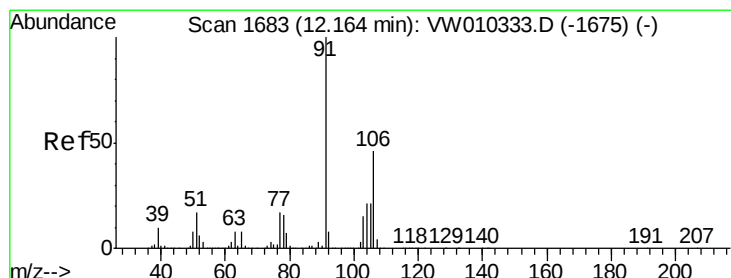
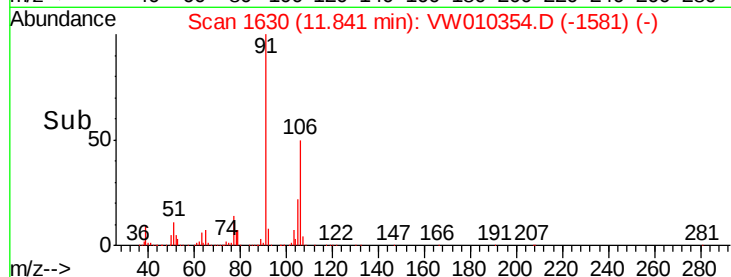
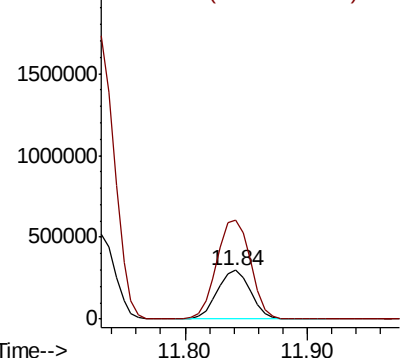
#68
m/p-Xylenes
Concen: 18.509 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

Tgt Ion:106 Resp: 558169
Ion Ratio Lower Upper
106 100
91 208.3 165.0 247.6

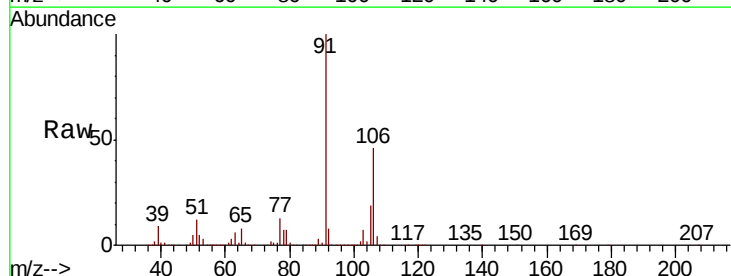


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

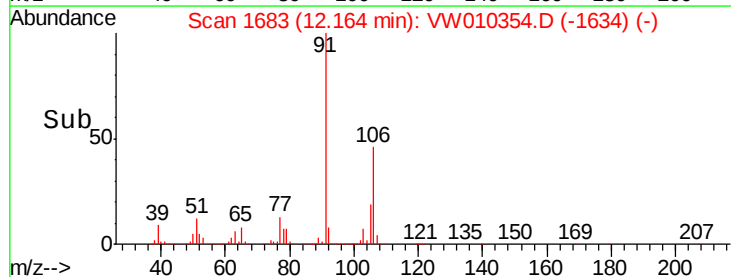
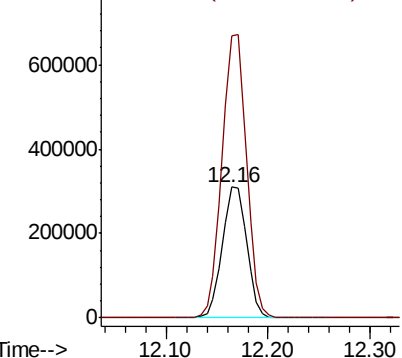


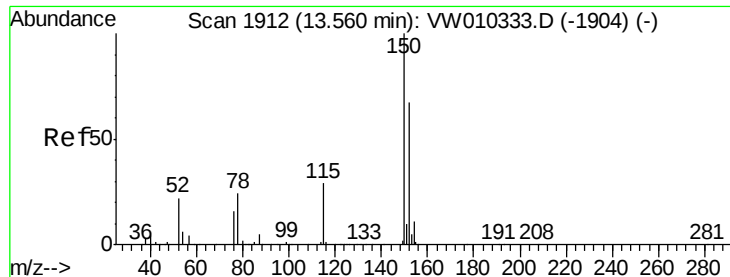
#69
o-Xylene
Concen: 18.738 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion:106 Resp: 511155
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILD

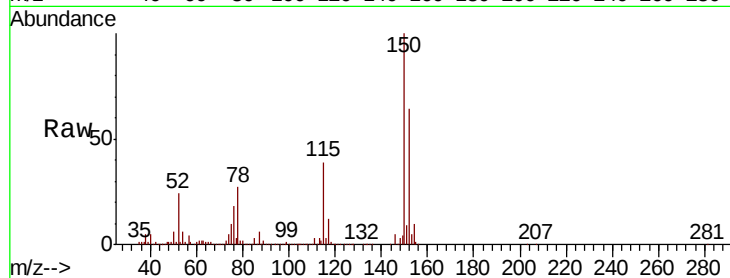
Tgt Ion:152 Resp: 1061249

Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.2

150 162.4 0.0 347.0

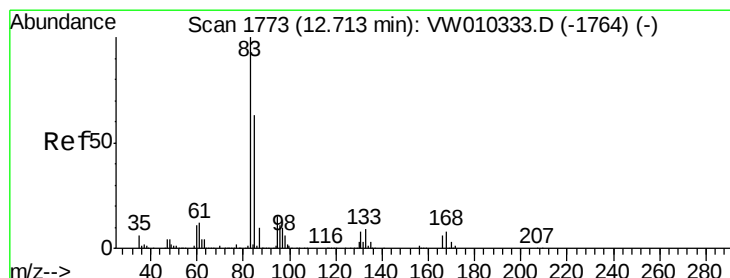
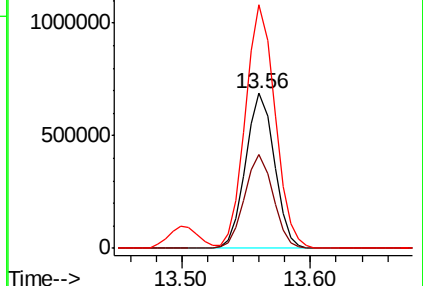
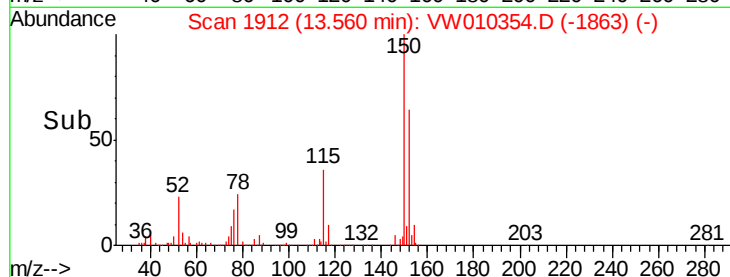


Abundance

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: 31.756 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

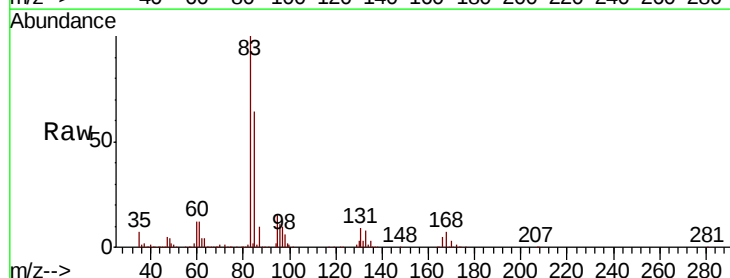
Tgt Ion: 83 Resp: 541252

Ion Ratio Lower Upper

83 100

131 9.2 5.3 15.8

85 64.0 32.0 96.2

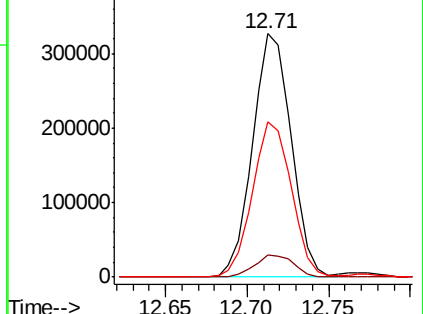
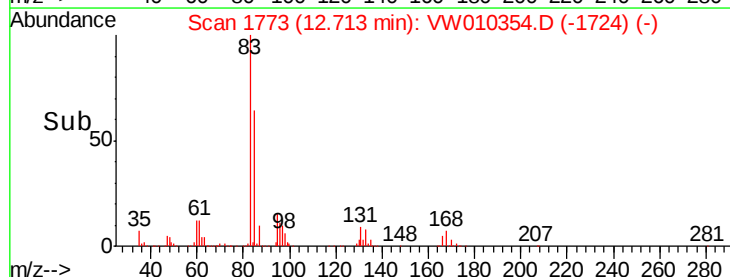


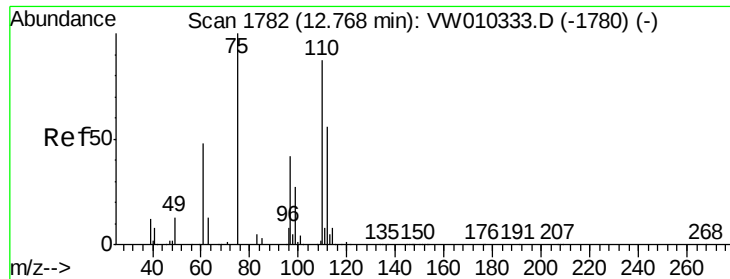
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 29.162 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

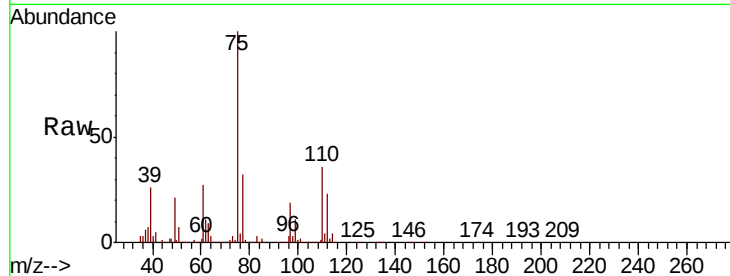
PT-VOA-SOILDL

Tgt Ion: 75 Resp: 360834

Ion Ratio Lower Upper

75 100

77 32.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

250000

200000

150000

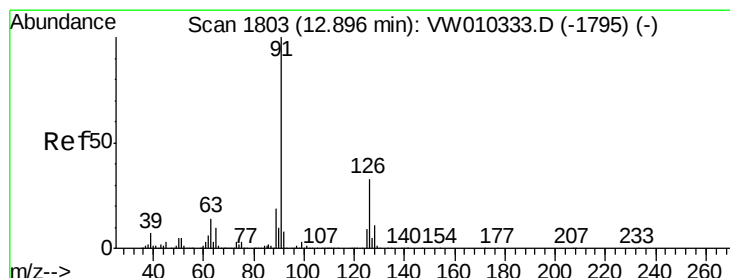
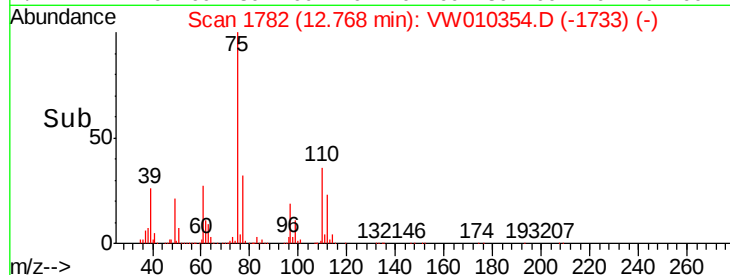
100000

50000

0

Time-->

12.70 12.80 12.90



#79

2-Chlorotoluene

Concen: 1.632 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.05 min

Lab File: VW010354.D

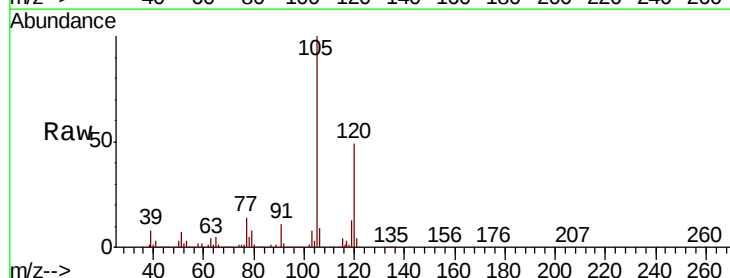
Acq: 10 May 2019 14:14

Tgt Ion: 91 Resp: 88799

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.94

60000

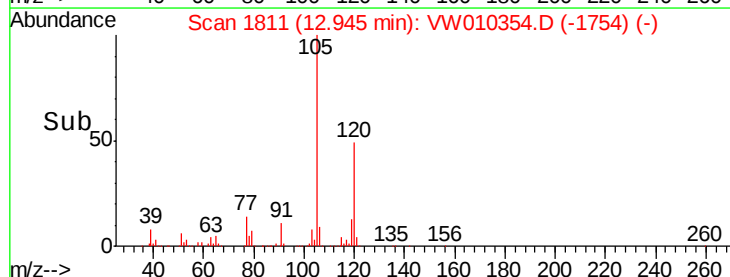
40000

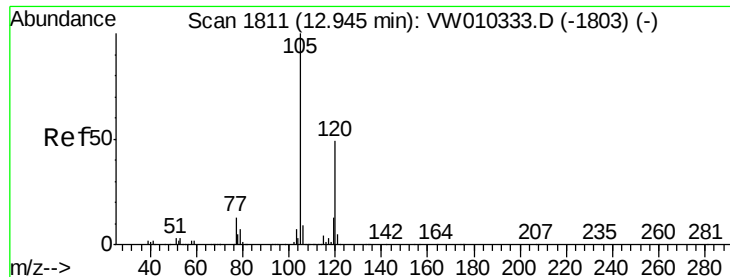
20000

0

Time-->

12.90 12.95 13.00

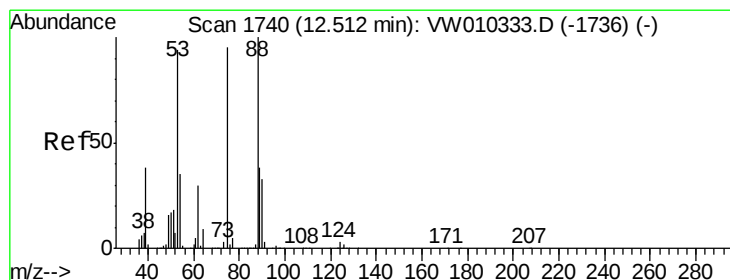
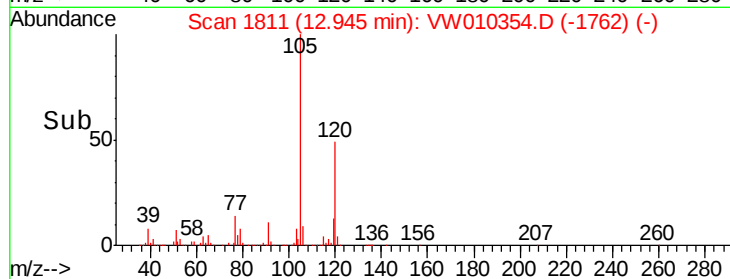
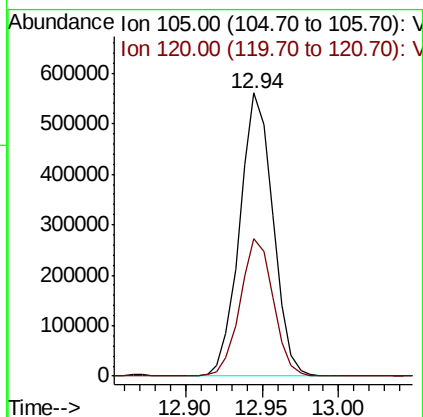
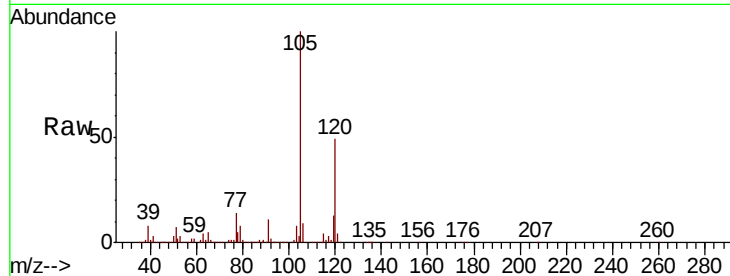




#80
 1,3,5-Trimethylbenzene
 Concen: 12.934 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

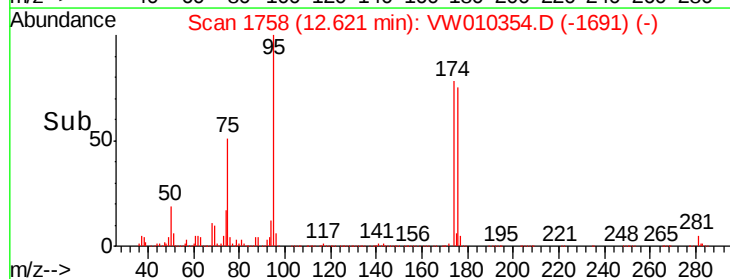
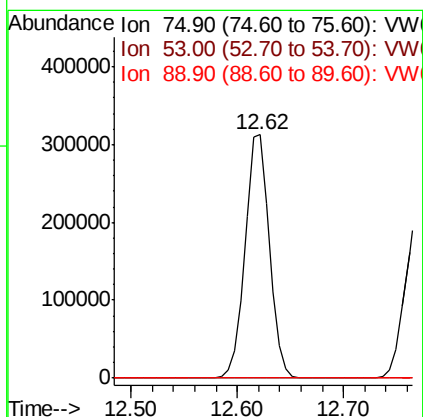
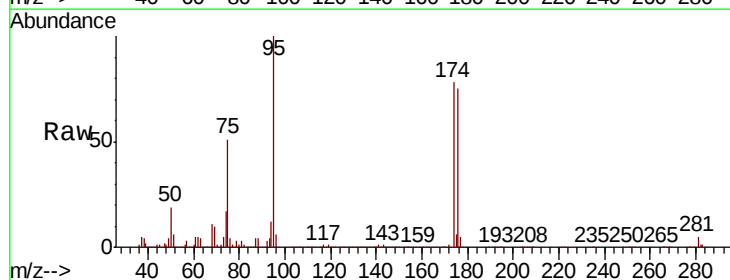
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILD

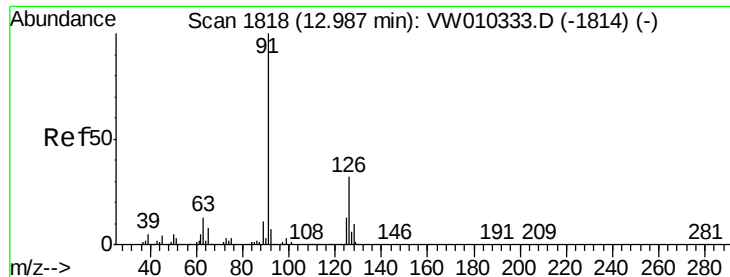
Tgt Ion: 105 Resp: 843466
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.522 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion: 75 Resp: 501452
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.8 134.8#
 89 0.0 36.6 54.8#

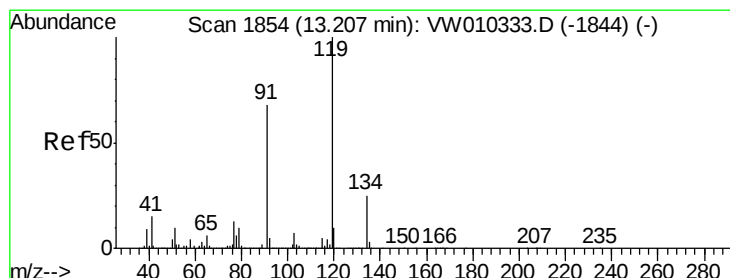
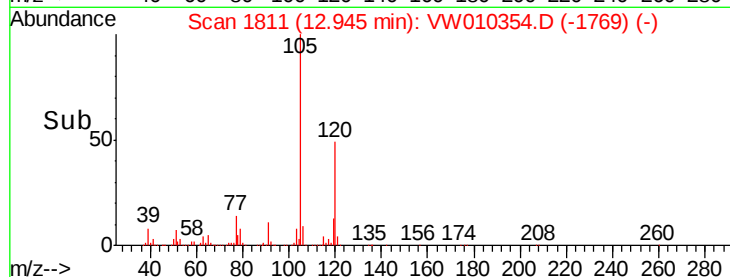
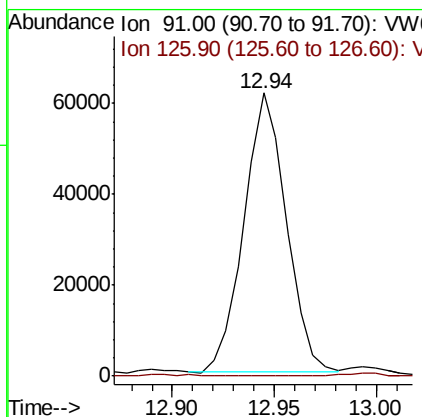
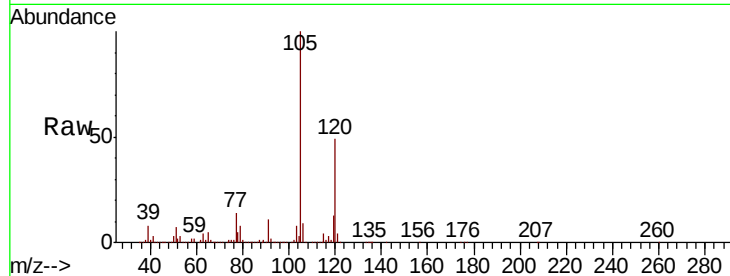




#82
4-Chlorotoluene
Concen: 1.558 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.04 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

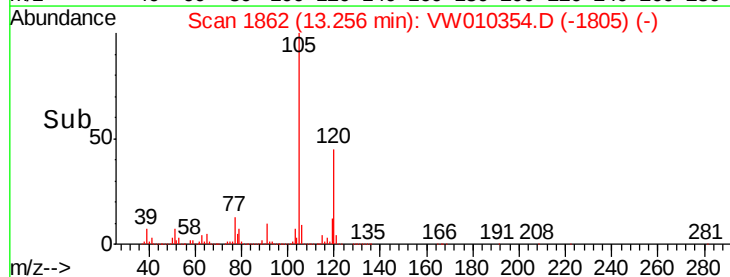
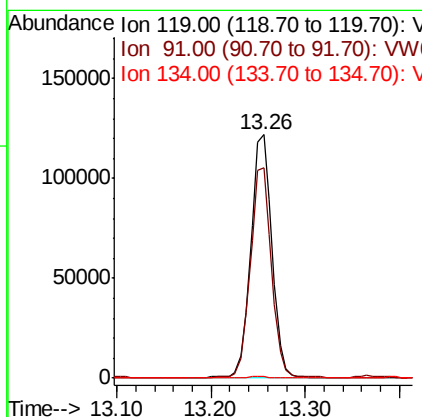
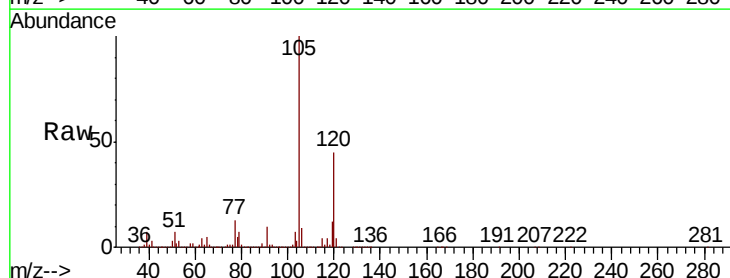
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILD

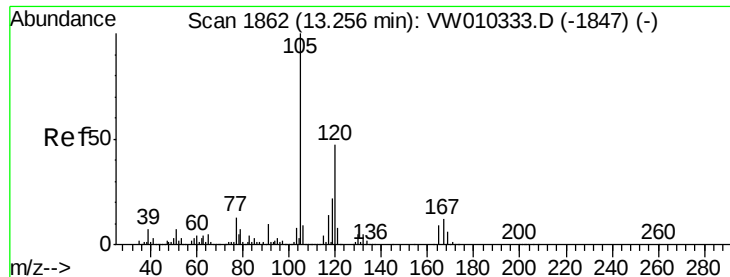
Tgt Ion: 91 Resp: 88799
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#



#83
tert-Butylbenzene
Concen: 3.565 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.05 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion: 119 Resp: 193935
Ion Ratio Lower Upper
119 100
91 86.7 34.8 104.4
134 0.7 13.7 41.1#

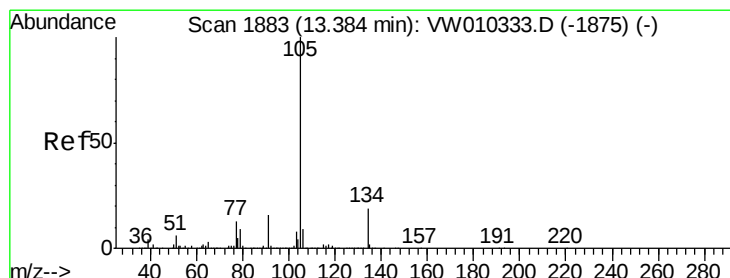
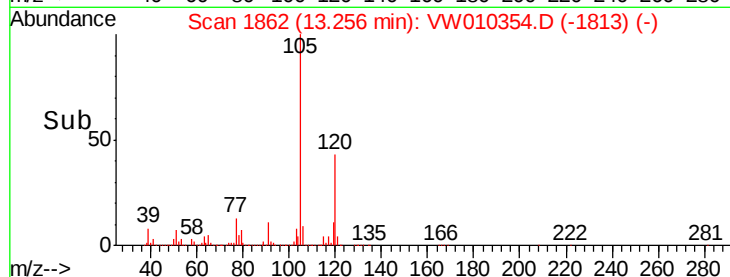
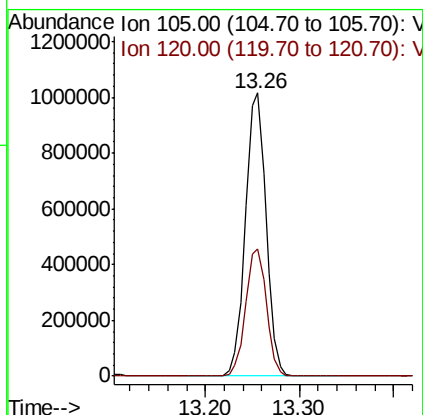
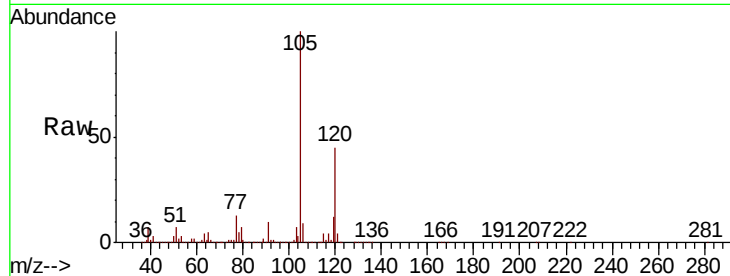




#84
1,2,4-Trimethylbenzene
Concen: 23.987 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

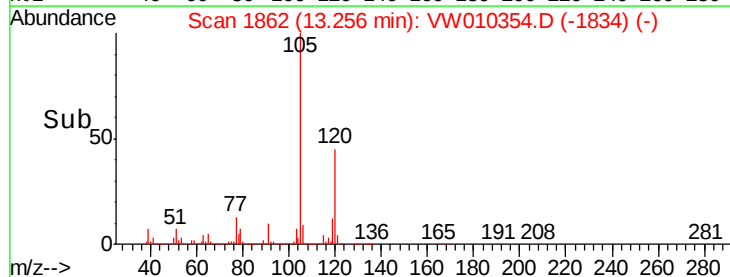
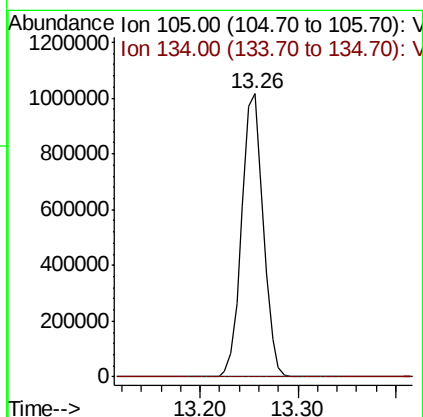
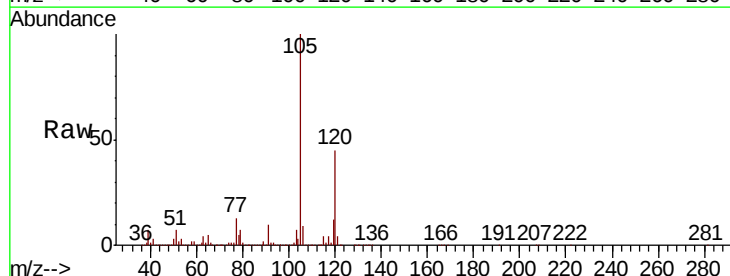
Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

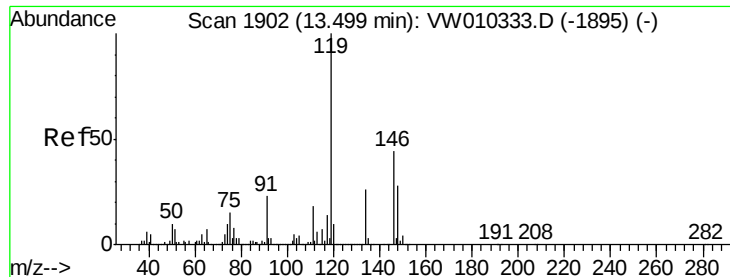
Tgt Ion:105 Resp: 1554441
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.7



#85
sec-Butylbenzene
Concen: 19.358 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Tgt Ion:105 Resp: 1554382
Ion Ratio Lower Upper
105 100
134 0.1 9.8 29.5#

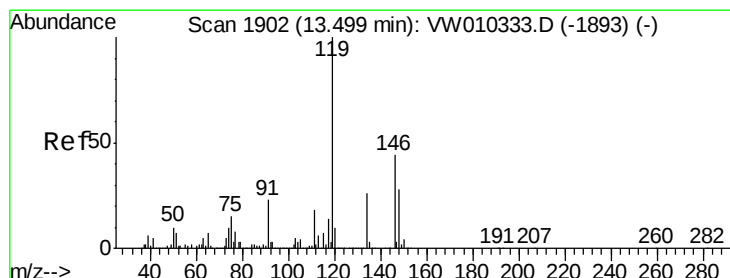
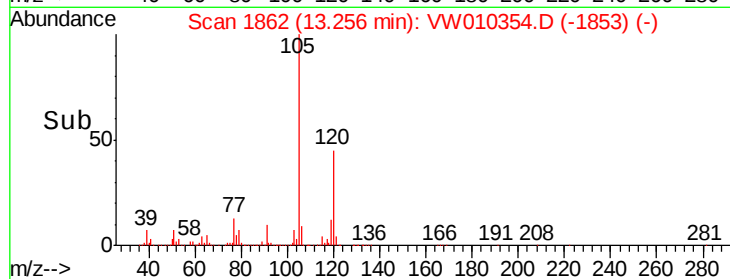
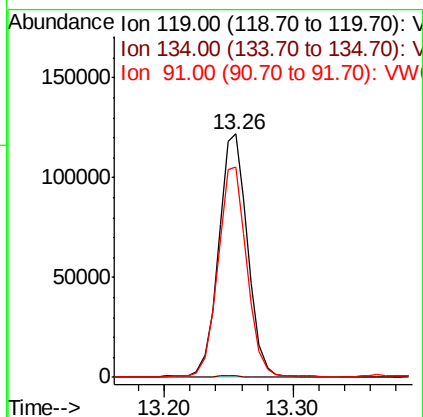
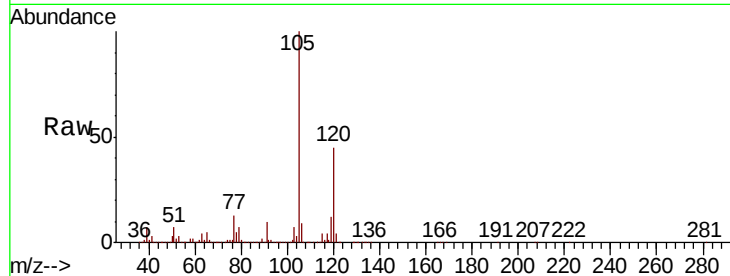




#86
 p-Isopropyltoluene
 Concen: 2.683 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.24 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

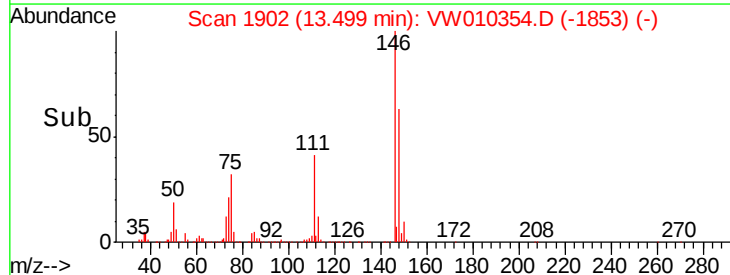
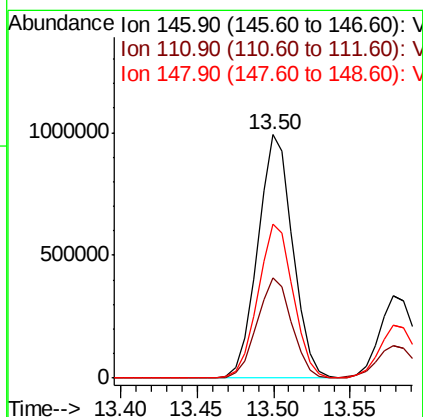
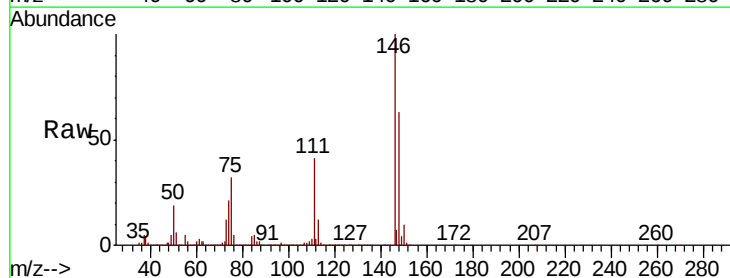
Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

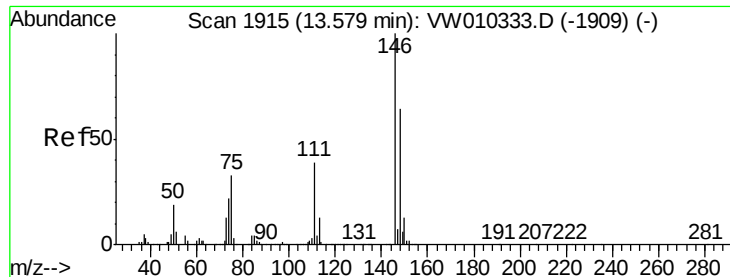
Tgt Ion:119 Resp: 191302
 Ion Ratio Lower Upper
 119 100
 134 0.7 13.0 38.9#
 91 85.9 12.3 36.9#



#87
 1,3-Dichlorobenzene
 Concen: 45.143 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion:146 Resp: 1574481
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 61.0
 148 63.8 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 15.391 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOILD

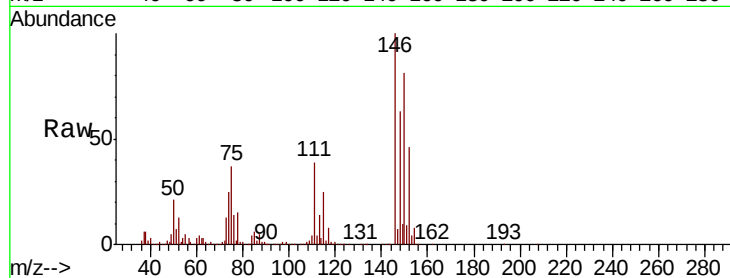
Tgt Ion:146 Resp: 532719

Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

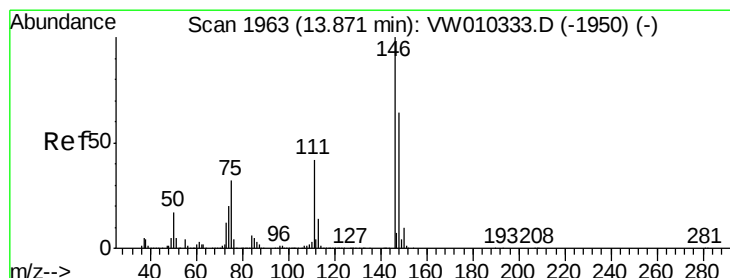
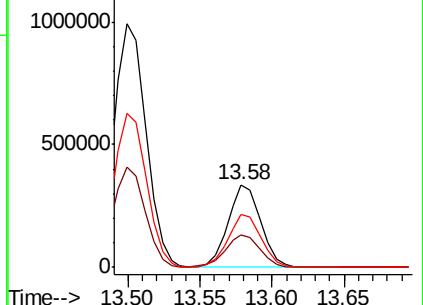
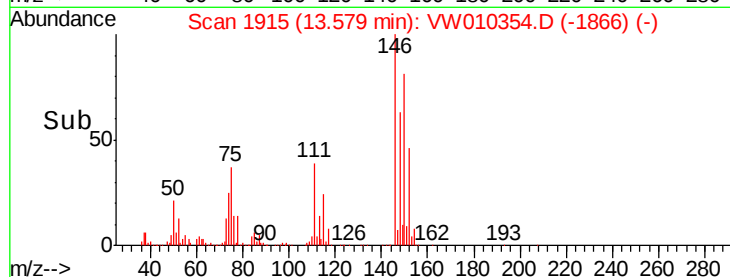
148 64.7 31.8 95.3



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



#91

1,2-Dichlorobenzene

Concen: 31.721 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010354.D

Acq: 10 May 2019 14:14

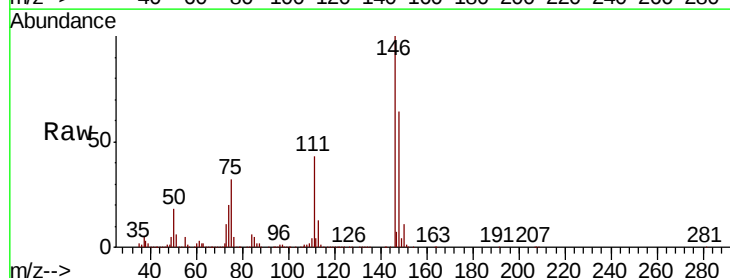
Tgt Ion:146 Resp: 979366

Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.8

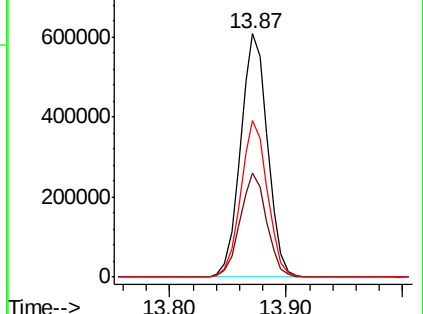
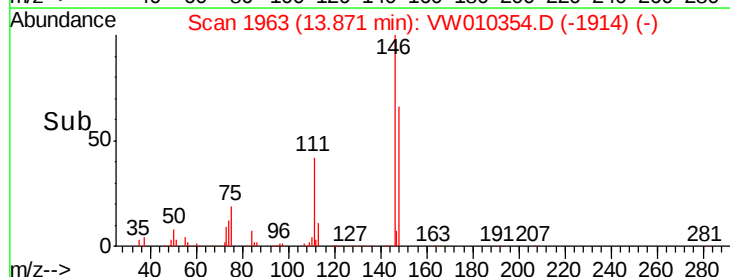
148 63.4 31.9 95.7

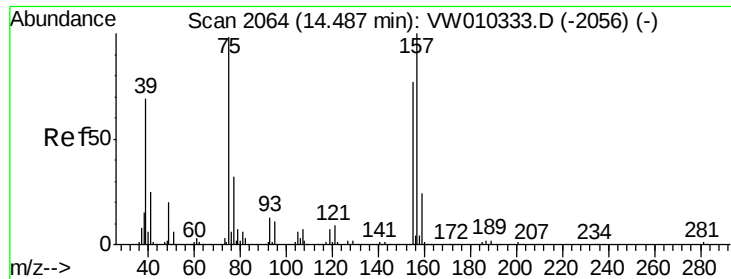


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

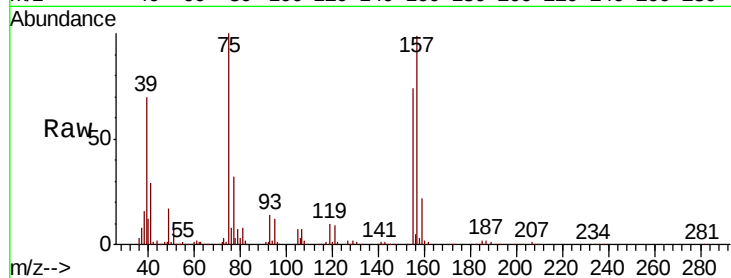




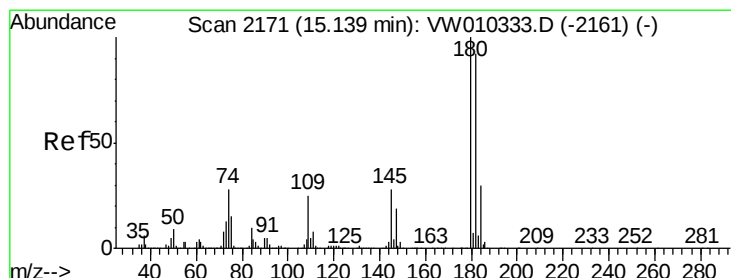
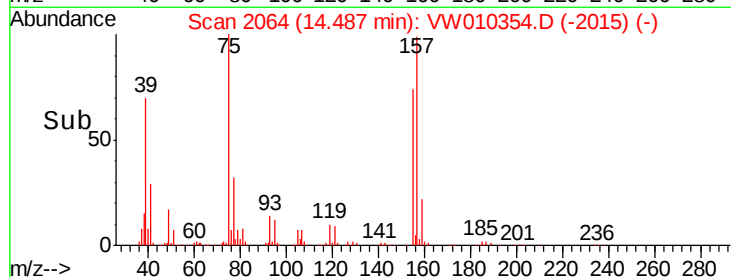
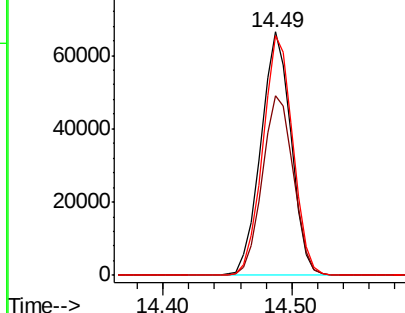
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 35.194 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOILDL

Tgt Ion: 75 Resp: 108018
 Ion Ratio Lower Upper
 75 100
 155 76.0 37.1 111.5
 157 97.5 47.3 141.9

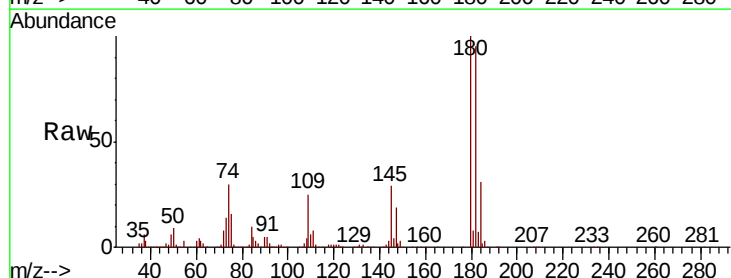


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

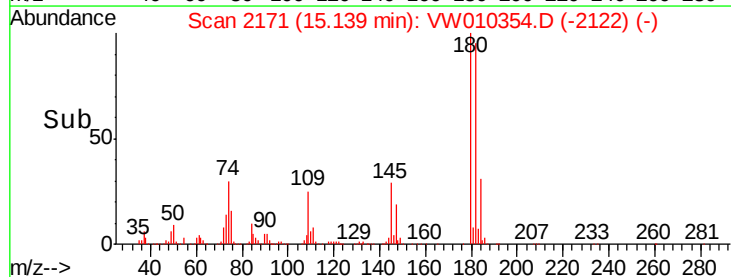
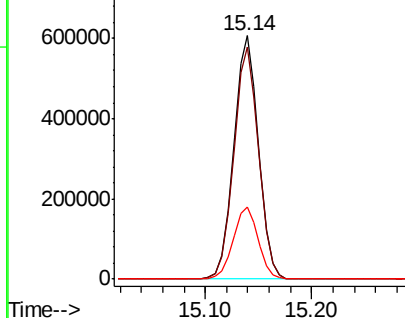


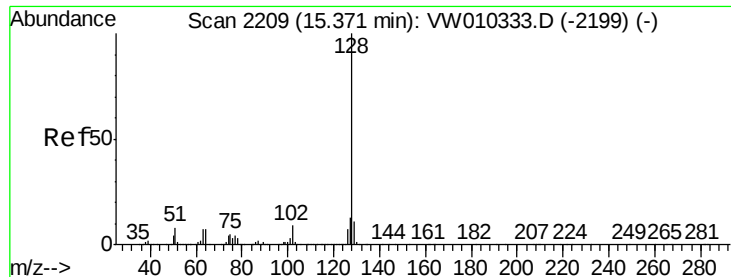
#93
 1,2,4-Trichlorobenzene
 Concen: 46.603 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010354.D
 Acq: 10 May 2019 14:14

Tgt Ion: 180 Resp: 981968
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.1 141.4
 145 30.2 15.2 45.6



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





#95
Naphthalene
Concen: 23.542 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010354.D
Acq: 10 May 2019 14:14

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion:128 Resp: 1034602
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.6 8.7 13.1

