

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003488.D
 Acq On : 24 Jun 2018 04:56
 Operator : SY/AP
 Sample : J3670-08
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

Quant Time: Jun 25 02:46:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	226172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	213505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	261364	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	92638	60.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.88%	
35) Dibromofluoromethane	7.88	113	75184	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	
50) Toluene-d8	10.33	98	391025	70.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	140.34%	
62) 4-Bromofluorobenzene	12.62	95	423456	214.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	429.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	53184	34.030	ug/l	99
11) Tert butyl alcohol	5.23	59	2771	33.987	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	1457	1.147	ug/l	97
15) Acrylonitrile	5.43	53	974	3.442	ug/l #	34
16) Acetone	4.15	43	32794	102.856	ug/l	94
17) Carbon Disulfide	4.37	76	7744	2.062	ug/l #	87
18) Methyl Acetate	4.95	43	22512	29.763	ug/l #	52
20) Methylene Chloride	4.91	84	16305	9.031	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	1763	1.275	ug/l #	82
24) 1,1-Dichloroethane	6.22	63	4163	1.583	ug/l #	88
25) 2-Butanone	7.18	43	11927	30.083	ug/l #	89
27) cis-1,2-Dichloroethene	7.17	96	233217	153.535	ug/l	93
29) Tetrahydrofuran	7.55	42	1163	4.800	ug/l #	61
31) Cyclohexane	7.93	56	175490	71.439	ug/l #	61
36) 1,1-Dichloropropene	7.95	75	11372	5.206	ug/l #	51
37) Ethyl Acetate	7.18	43	11927	13.181	ug/l #	1
38) Carbon Tetrachloride	7.95	117	14380	6.712	ug/l #	15
39) Methylcyclohexane	9.34	83	2487501	984.243	ug/l	96
40) Benzene	8.33	78	1697433	281.933	ug/l	99
42) 1,2-Dichloroethane	8.40	62	2920	1.548	ug/l #	76
43) Isopropyl Acetate	8.43	43	102766	57.196	ug/l #	53
44) Trichloroethene	9.10	130	74335	46.595	ug/l	99
45) 1,2-Dichloropropane	9.34	63	30913	20.166	ug/l #	1
46) Dibromomethane	9.34	93	2206	2.811	ug/l #	1
48) Methyl methacrylate	9.48	41	80938	95.854	ug/l #	31
49) 1,4-Dioxane	9.50	88	4898	413.327	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	197566	215.792	ug/l #	83
52) Toluene	10.39	92	9796	2.537	ug/l	91
55) 1,1,2-Trichloroethane	10.77	97	328524	297.051	ug/l #	24
56) Ethyl methacrylate	10.67	69	143680	106.986	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.90	63	6381	10.599	ug/l #	49
59) 2-Hexanone	10.94	43	860283	1345.064	ug/l #	32
60) Dibromochloromethane	11.04	129	3083	2.344	ug/l	58
64) Tetrachloroethene	10.86	164	1659	1.162	ug/l #	83

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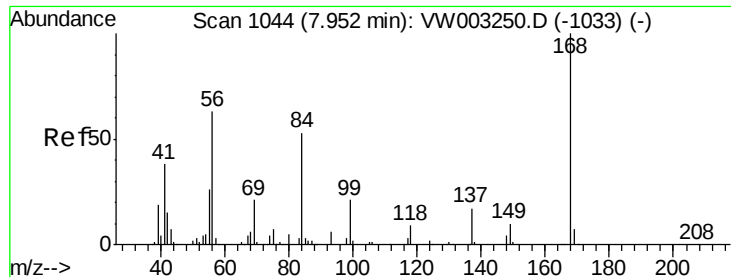
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	11.74	91	297194	37.709	ug/l	97
68) m/p-Xylenes	11.85	106	3104	1.036	ug/l #	1
73) Isopropylbenzene	12.48	105	1802428	99.149	ug/l	99
74) N-amyl acetate	12.26	43	3115466	752.938	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.66	83	152185	49.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.82	75	17605	7.879	ug/l #	100
78) n-propylbenzene	12.81	91	2678115	120.312	ug/l	100
79) 2-Chlorotoluene	12.81	91	2678115	212.896	ug/l #	46
80) 1,3,5-Trimethylbenzene	13.12	105	1171714	76.789	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.47	75	21339	21.976	ug/l #	1
82) 4-Chlorotoluene	13.12	91	158017	11.841	ug/l #	41
83) tert-Butylbenzene	13.21	119	1528002	117.502	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	1171714	74.649	ug/l	77
85) sec-Butylbenzene	13.40	105	4441105	229.763	ug/l #	37
86) p-Isopropyltoluene	13.46	119	1345833	78.943	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	518169	59.578	ug/l #	38
88) 1,4-Dichlorobenzene	13.59	146	1429689	165.352	ug/l #	81
89) n-Butylbenzene	13.84	91	2857840	171.974	ug/l #	88
90) Hexachloroethane	14.11	117	269975	87.541	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	1525262	200.205	ug/l #	79
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7704	14.885	ug/l #	41
93) 1,2,4-Trichlorobenzene	15.15	180	41256	7.714	ug/l #	1
95) Naphthalene	15.38	128	241190	26.585	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.57	180	17101	3.633	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

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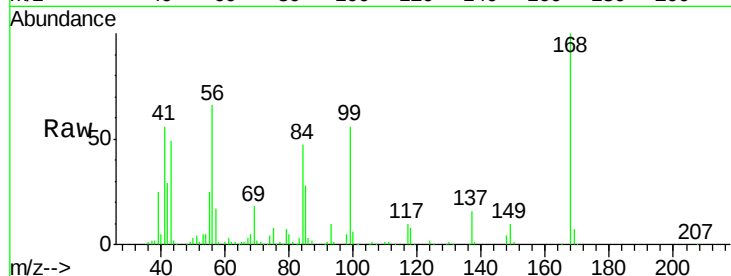
WP021SB487-23-25-180621

Tgt Ion:168 Resp: 140351

Ion Ratio Lower Upper

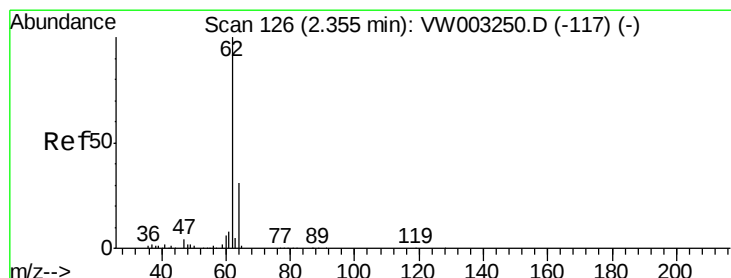
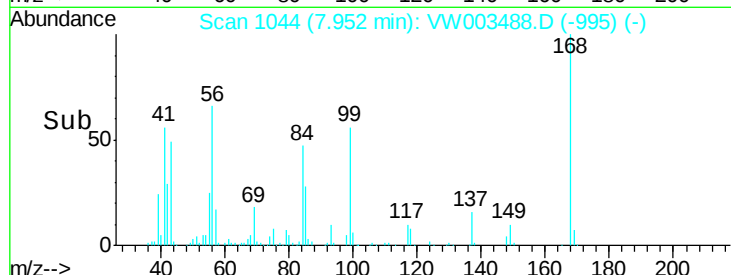
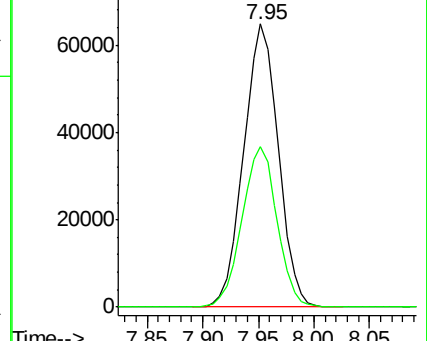
168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 34.030 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003488.D

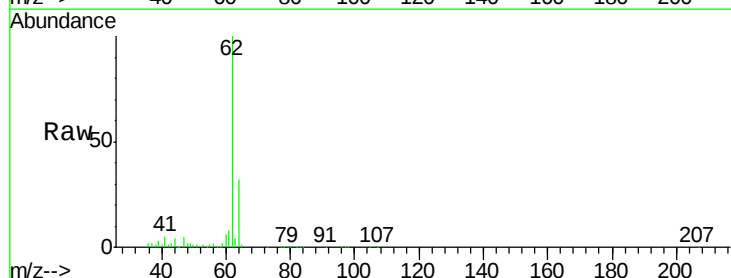
Acq: 24 Jun 2018 04:56

Tgt Ion: 62 Resp: 53184

Ion Ratio Lower Upper

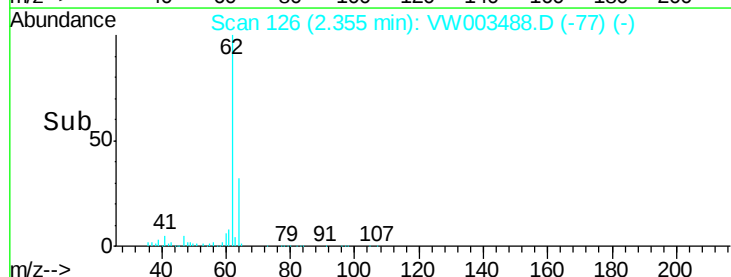
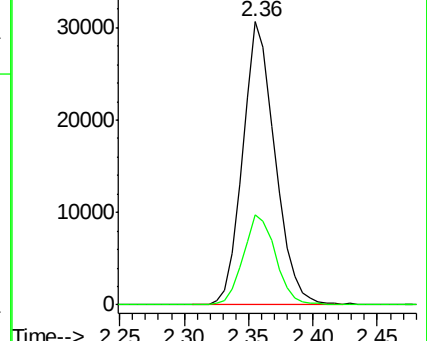
62 100

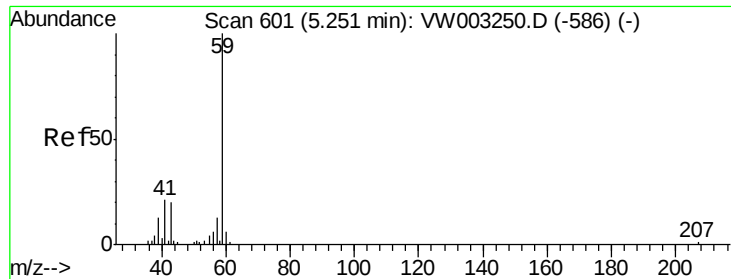
64 31.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



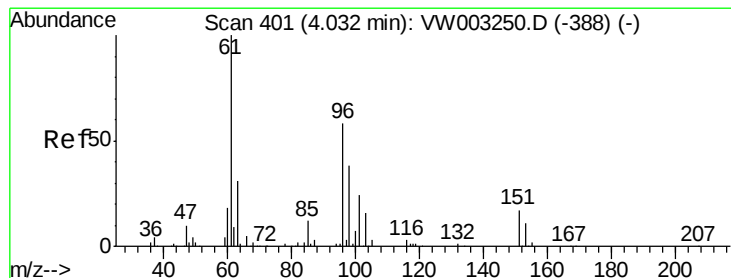
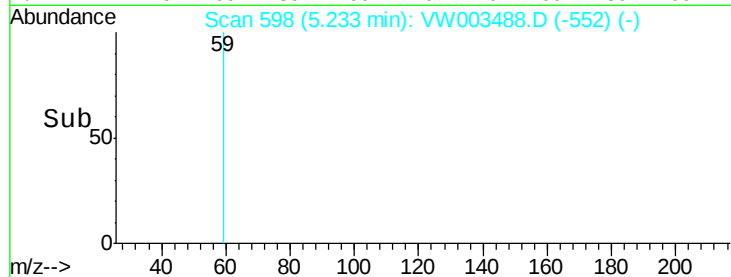
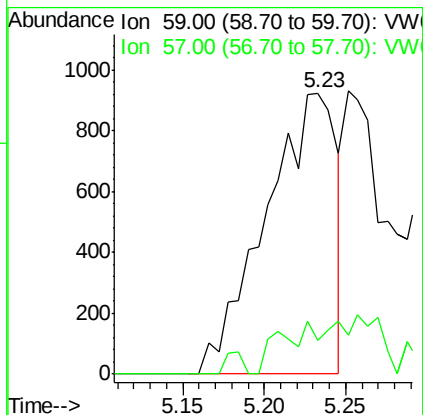
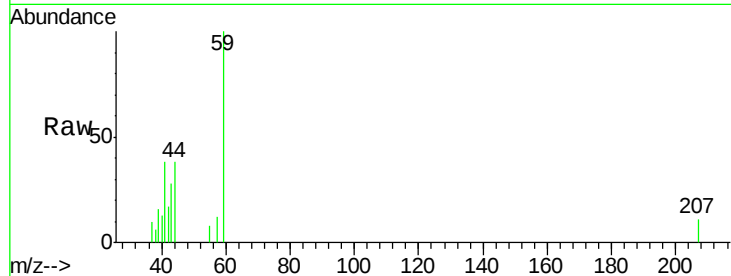


#11

Tert butyl alcohol
Concen: 33.987 ug/l
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

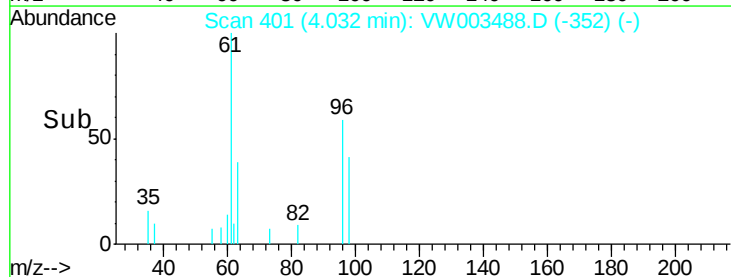
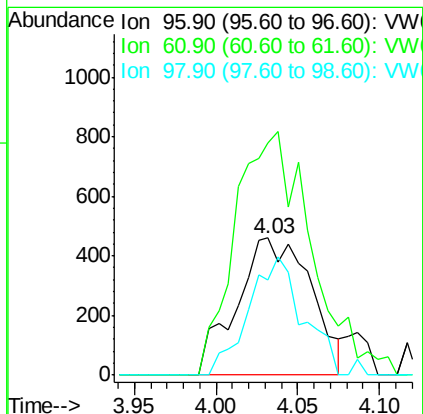
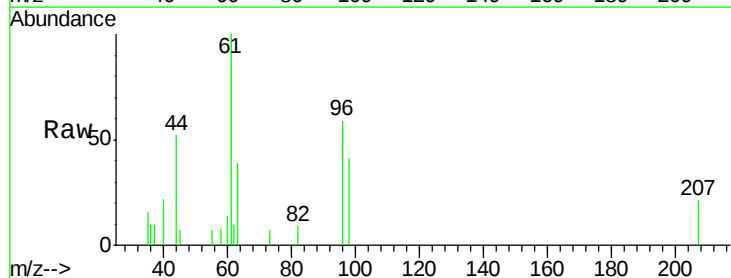
Tgt Ion: 59 Resp: 2771
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

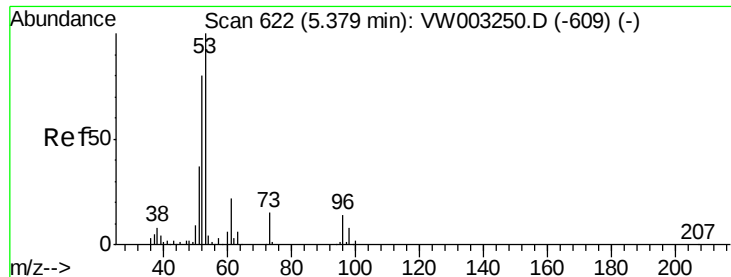


#12

1,1-Dichloroethene
Concen: 1.147 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 96 Resp: 1457
Ion Ratio Lower Upper
96 100
61 169.3 139.0 208.4
98 69.8 53.3 79.9





#15

Acrylonitrile

Concen: 3.442 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.06 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

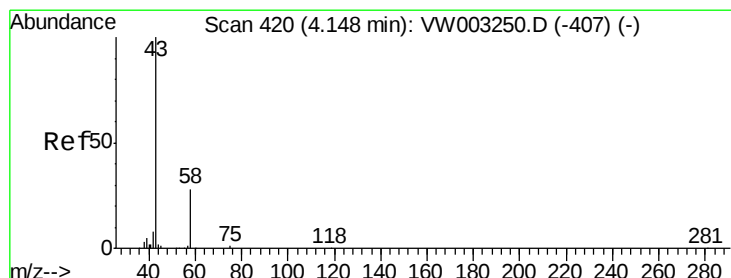
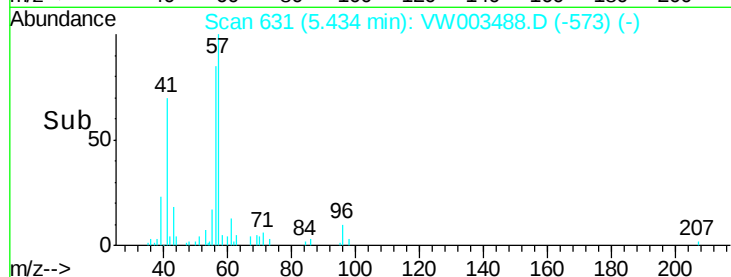
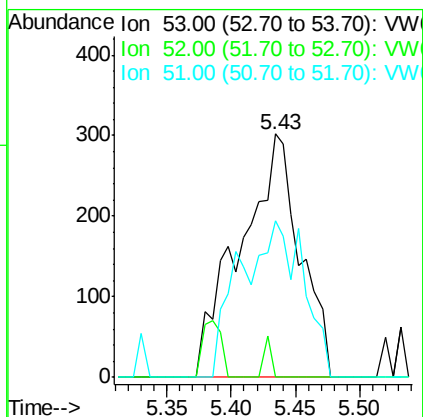
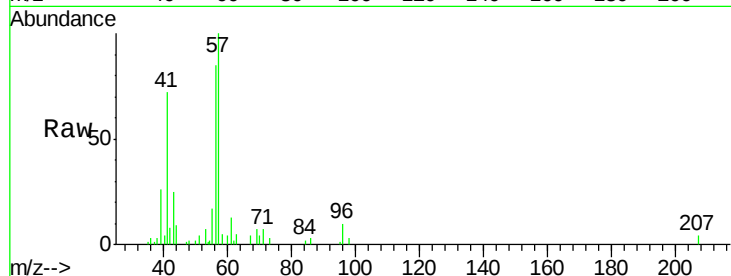
Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tgt Ion:	53	Resp:	974
Ion	Ratio	Lower	Upper
53	100		
52	2.0	66.6	100.0#
51	45.8	30.6	46.0



#16

Acetone

Concen: 102.856 ug/l

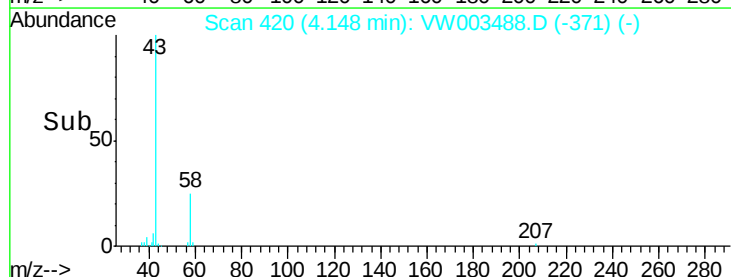
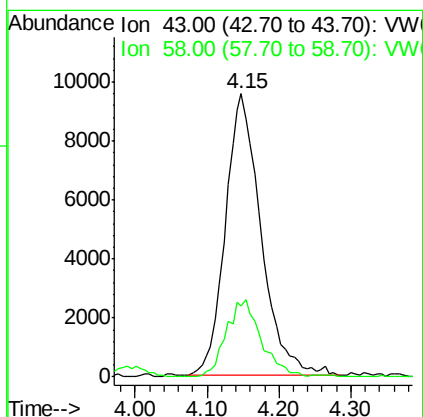
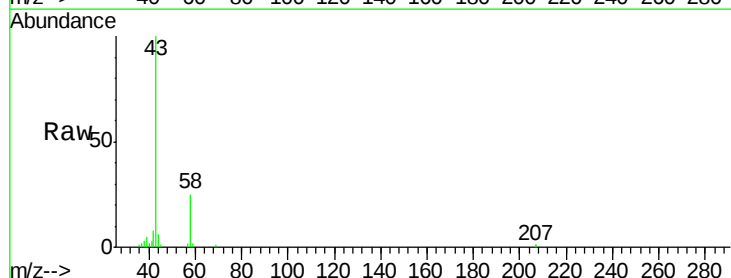
RT: 4.15 min Scan# 420

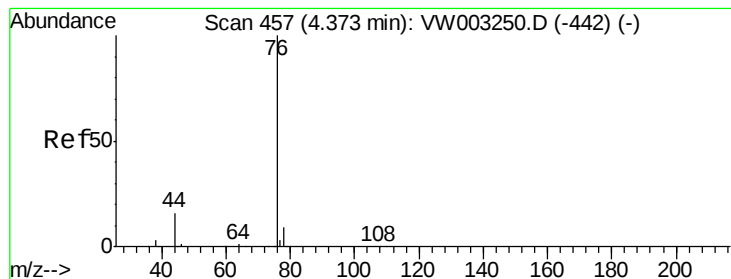
Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion:	43	Resp:	32794
Ion	Ratio	Lower	Upper
43	100		
58	25.3	22.6	34.0





#17

Carbon Disulfide

Concen: 2.062 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

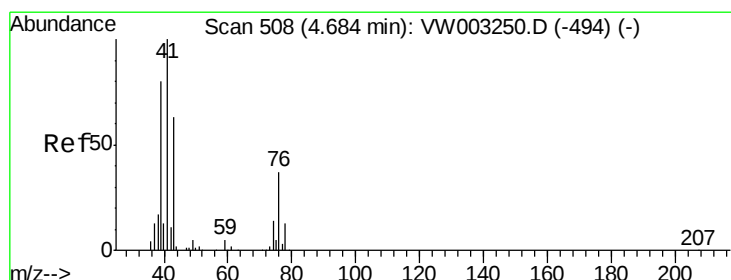
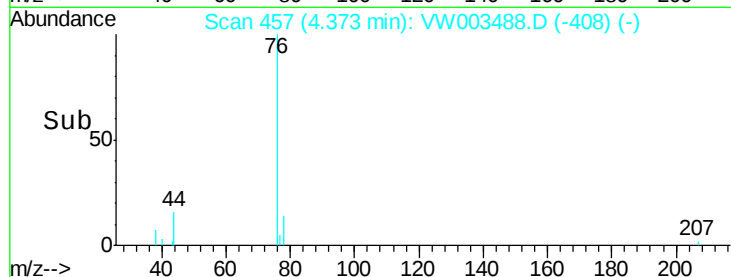
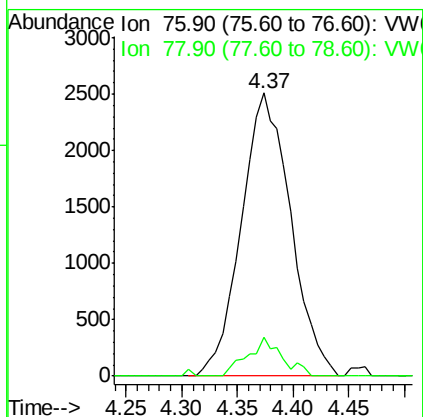
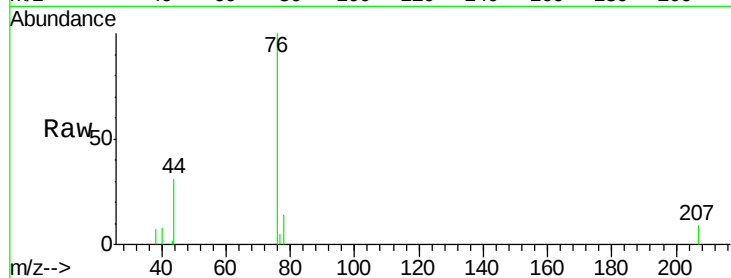
WP021SB487-23-25-180621

Tgt Ion: 76 Resp: 7744

Ion Ratio Lower Upper

76 100

78 13.8 7.1 10.7#



#18

Methyl Acetate

Concen: 29.763 ug/l

RT: 4.95 min Scan# 552

Delta R.T. 0.27 min

Lab File: VW003488.D

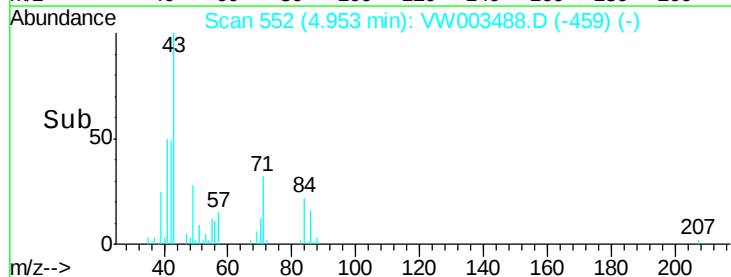
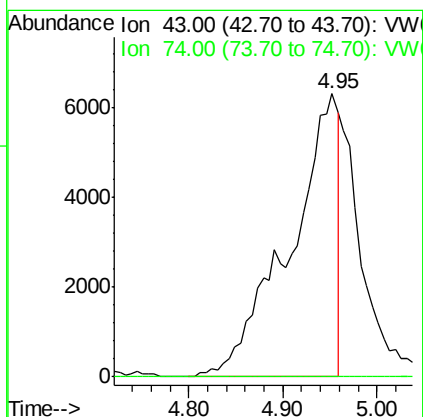
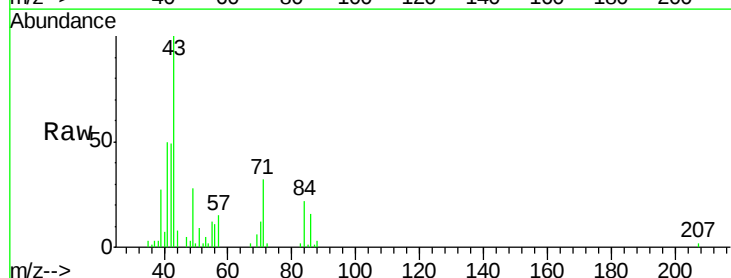
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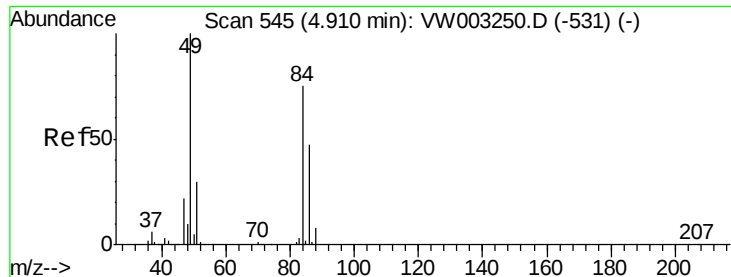
Tgt Ion: 43 Resp: 22512

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#

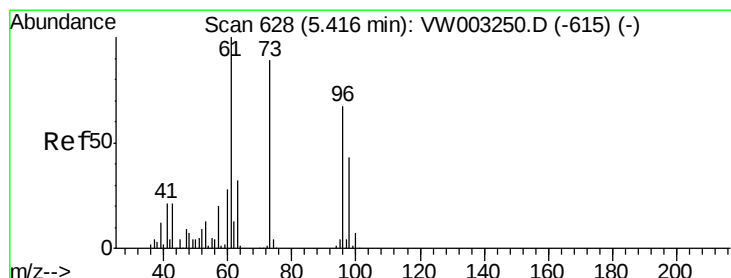
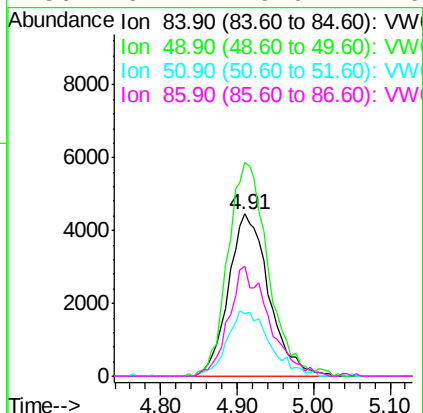
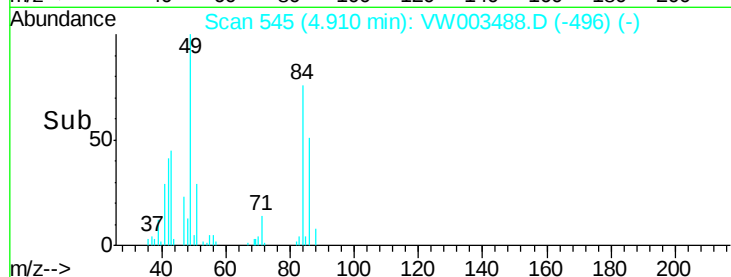
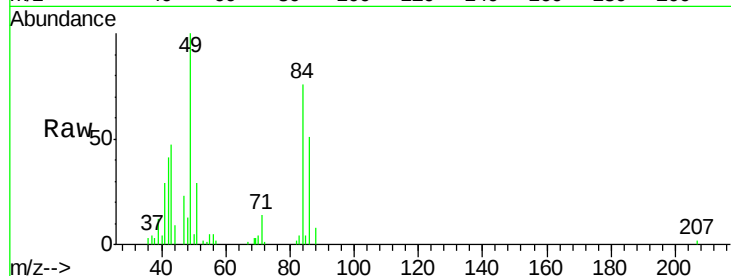




#20
Methylene Chloride
Concen: 9.031 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

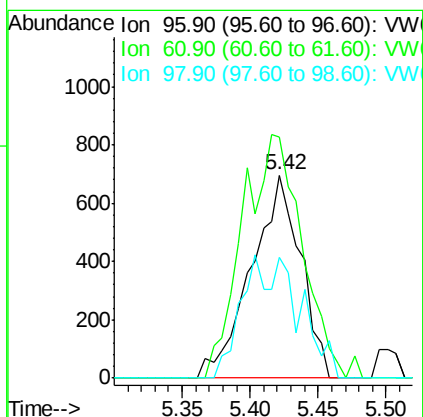
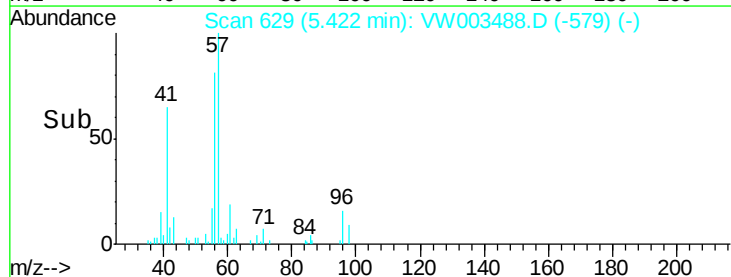
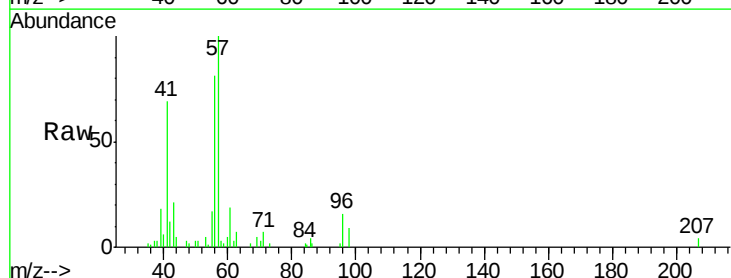
Instrument :
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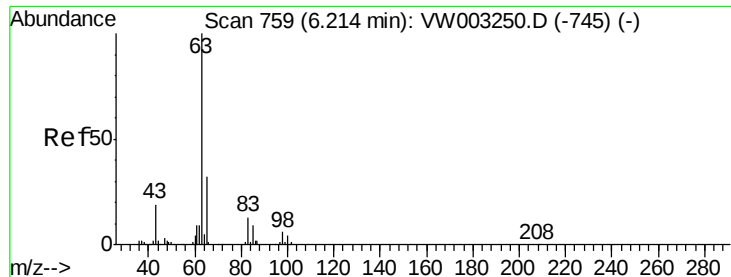
Tgt Ion: 84 Resp: 16305
Ion Ratio Lower Upper
84 100
49 130.5 106.3 159.5
51 38.7 32.0 48.0
86 67.7 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 1.275 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 96 Resp: 1763
Ion Ratio Lower Upper
96 100
61 118.7 118.7 178.1#
98 59.3 51.0 76.6





#24

1,1-Dichloroethane

Concen: 1.583 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

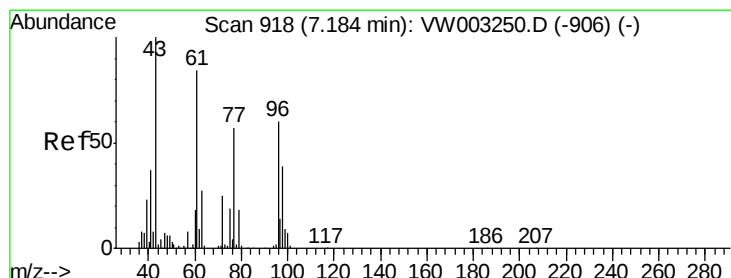
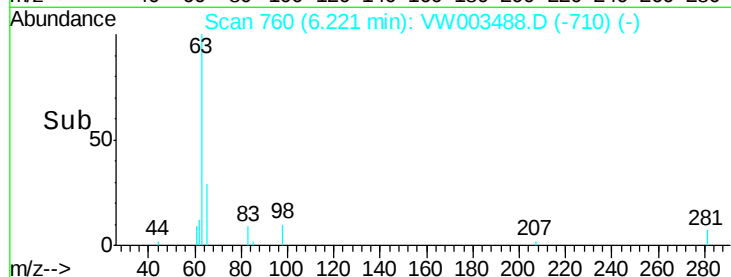
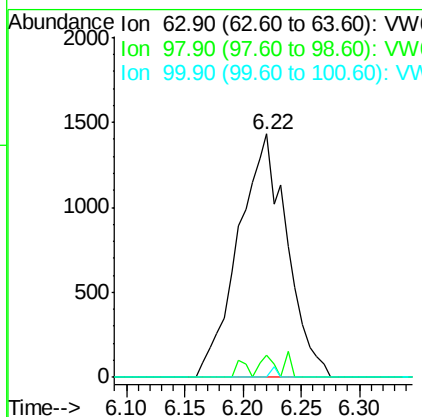
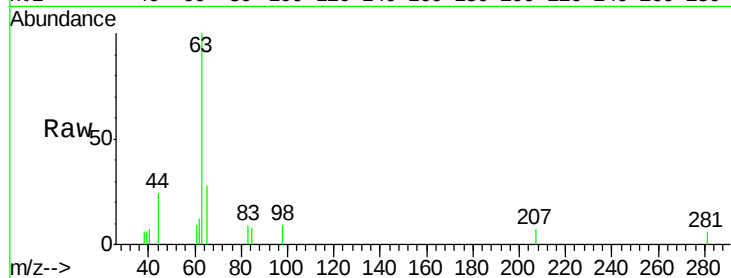
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WP021SB487-23-25-180621

Tgt Ion:	63	Resp:	4163
Ion	Ratio	Lower	Upper
63	100		
98	9.2	2.8	8.3#
100	0.0	2.1	6.5#



#25

2-Butanone

Concen: 30.083 ug/l

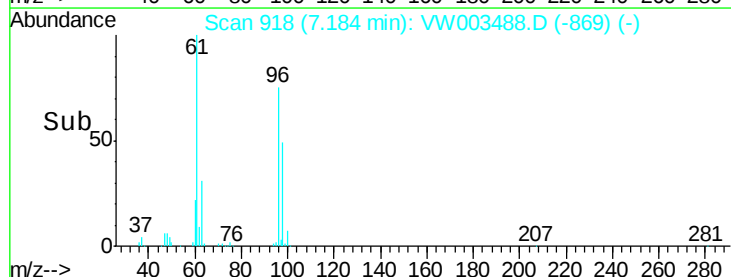
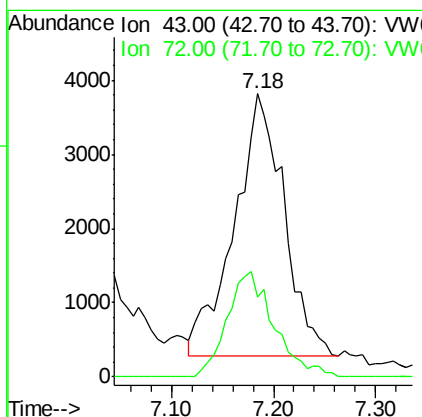
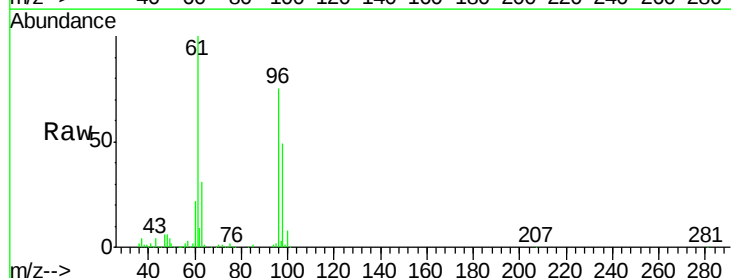
RT: 7.18 min Scan# 918

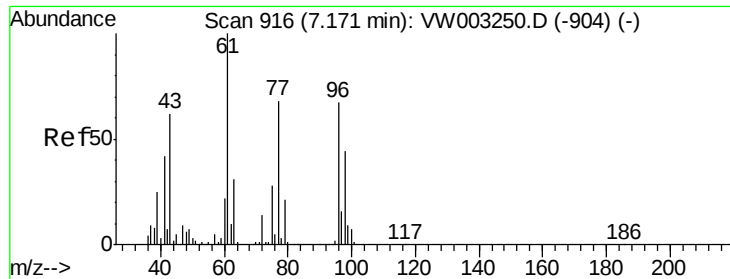
Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion:	43	Resp:	11927
Ion	Ratio	Lower	Upper
43	100		
72	30.7	20.3	30.5#



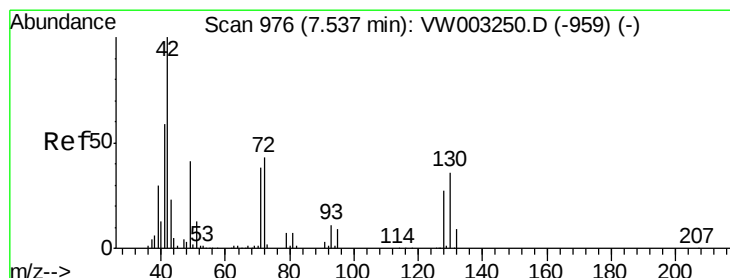
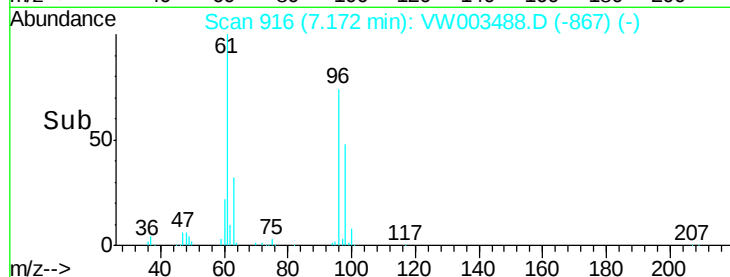
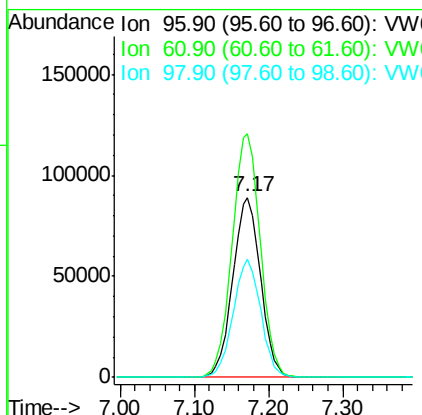
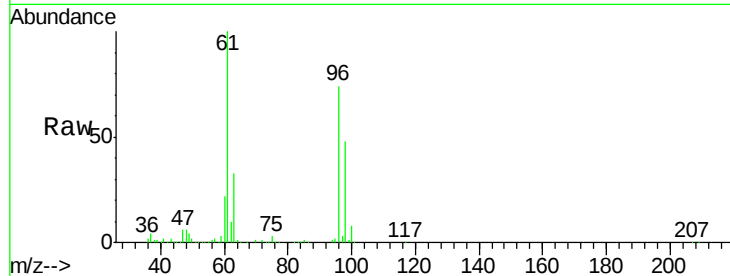


#27

cis-1,2-Dichloroethene
 Concen: 153.535 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

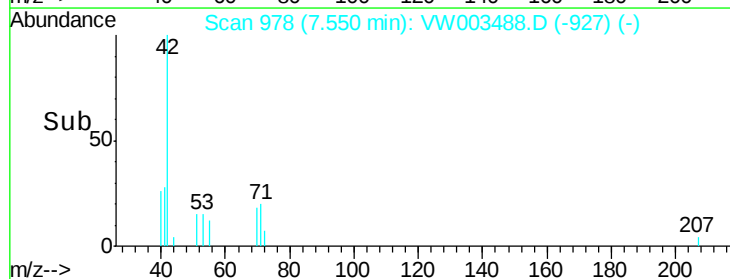
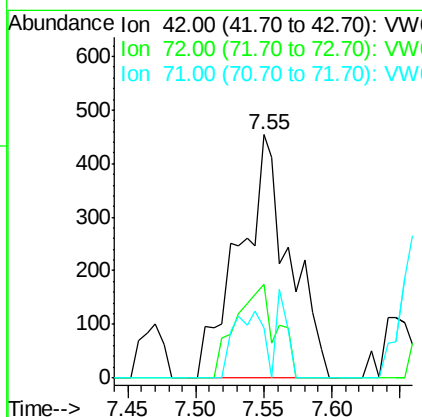
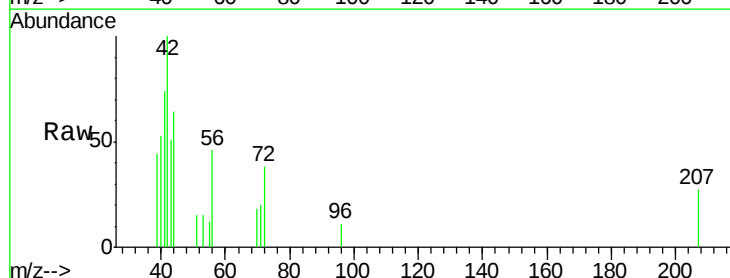
Tgt Ion: 96 Resp: 233217
 Ion Ratio Lower Upper
 96 100
 61 137.1 0.0 298.8
 98 64.7 0.0 130.4

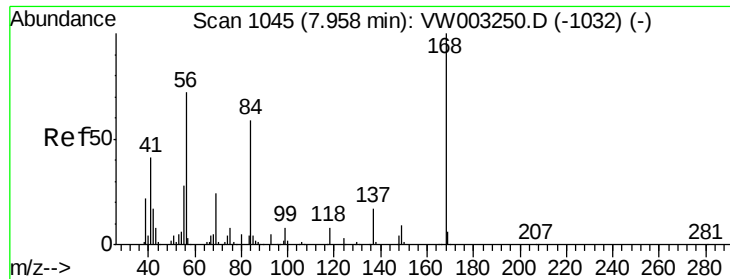


#29

Tetrahydrofuran
 Concen: 4.800 ug/l
 RT: 7.55 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Tgt Ion: 42 Resp: 1163
 Ion Ratio Lower Upper
 42 100
 72 31.6 32.4 48.6#
 71 0.0 31.2 46.8#

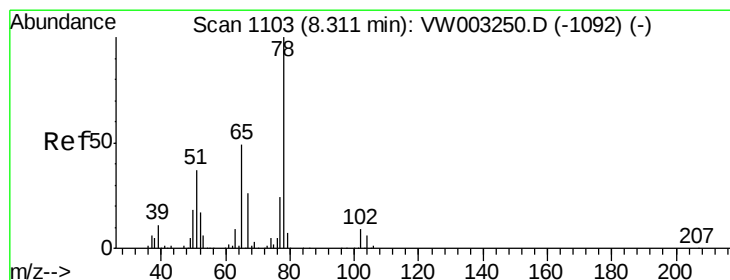
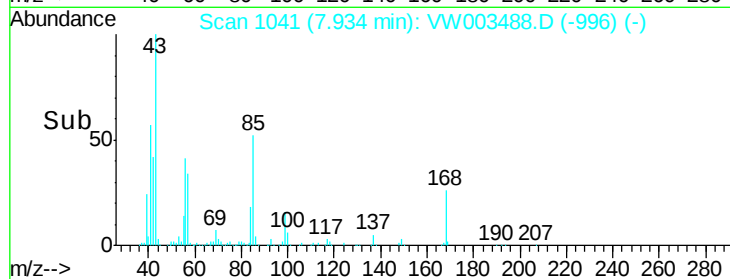
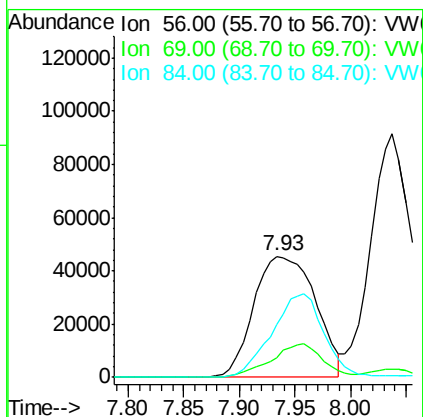
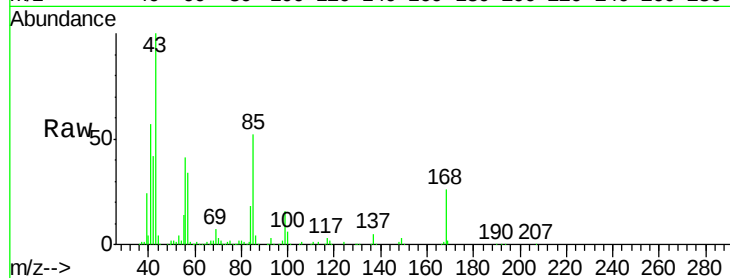




#31
Cyclohexane
Concen: 71.439 ug/l
RT: 7.93 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

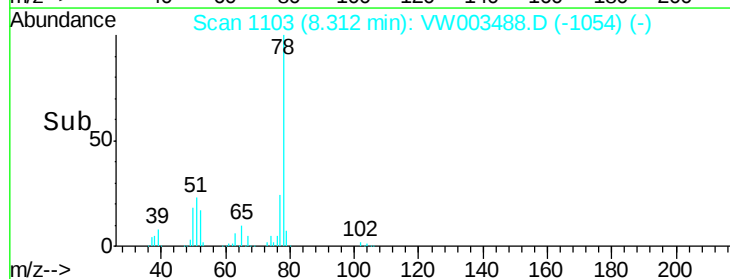
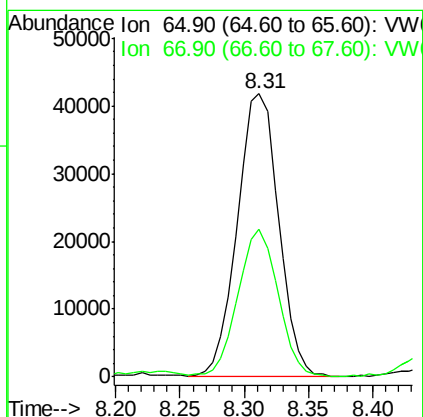
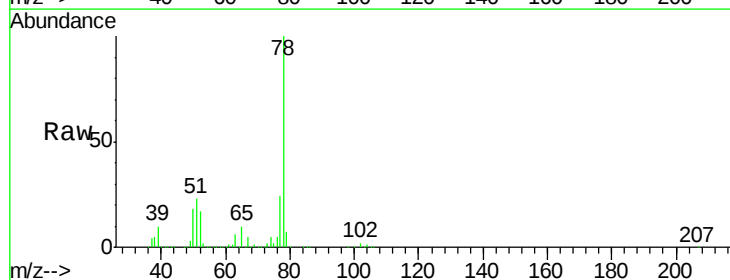
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

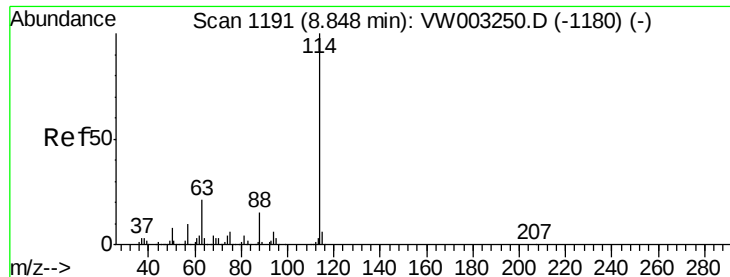
Tgt Ion: 56 Resp: 175490
Ion Ratio Lower Upper
56 100
69 15.4 26.3 39.5#
84 44.1 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 60.937 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 65 Resp: 92638
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.2

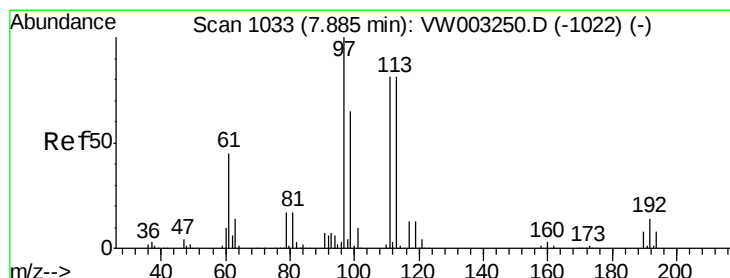
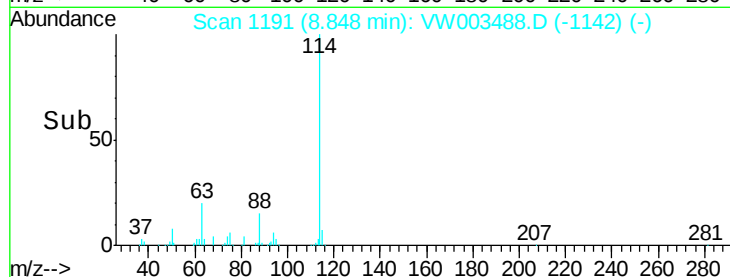
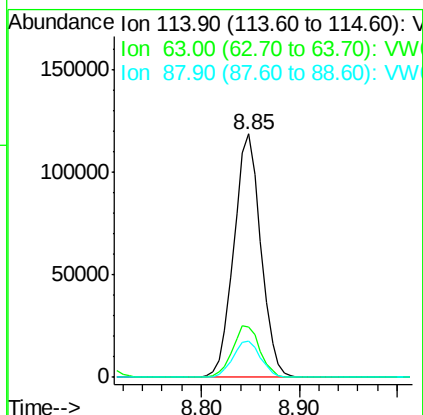
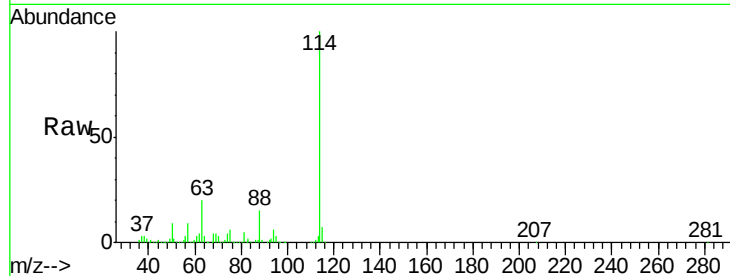




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

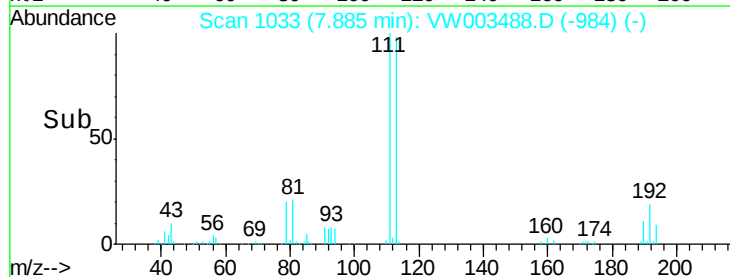
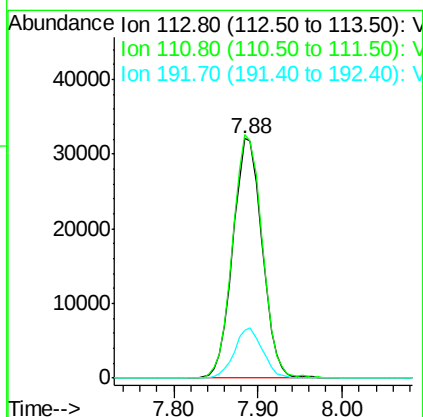
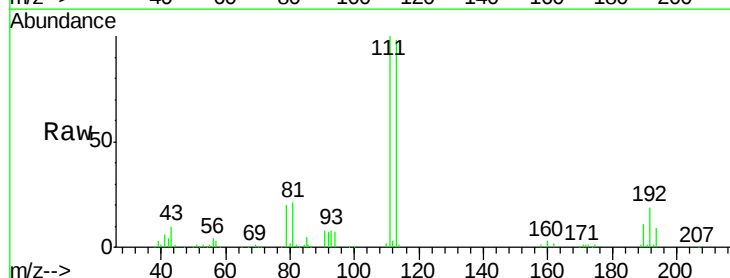
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

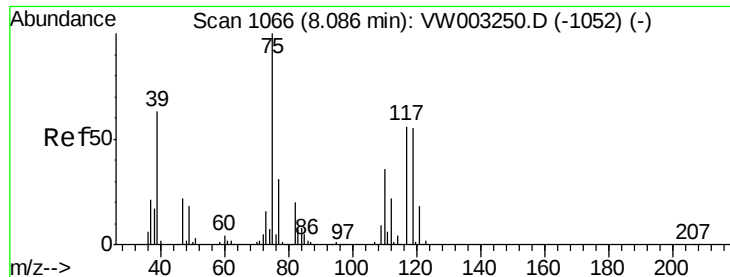
Tgt Ion:114 Resp: 226172
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.0
 88 14.9 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 53.498 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Tgt Ion:113 Resp: 75184
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 20.1 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.206 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

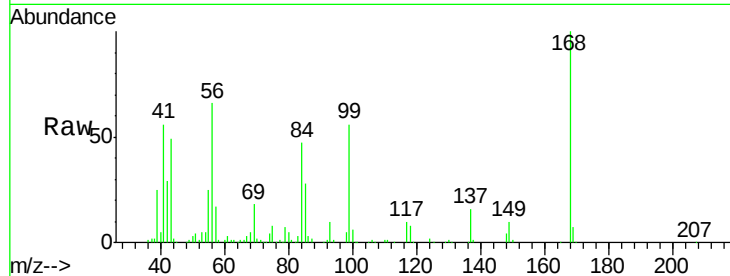
Tgt Ion: 75 Resp: 11372

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.3#

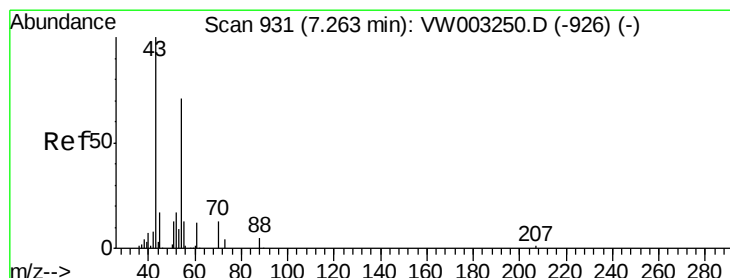
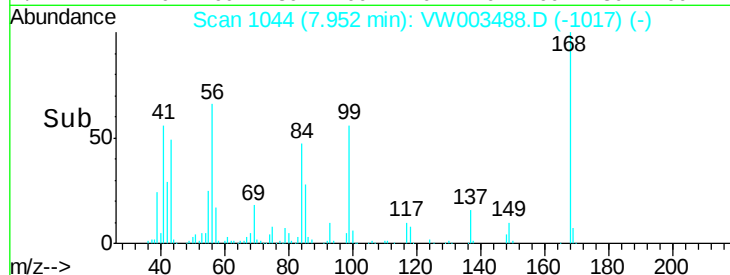
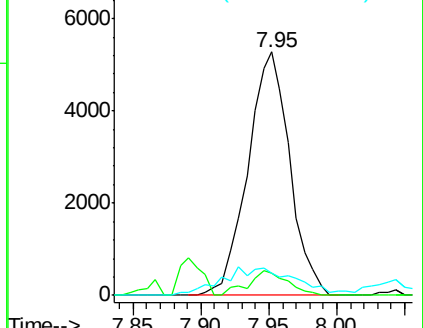
77 0.0 24.9 37.3#



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: 13.181 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.08 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

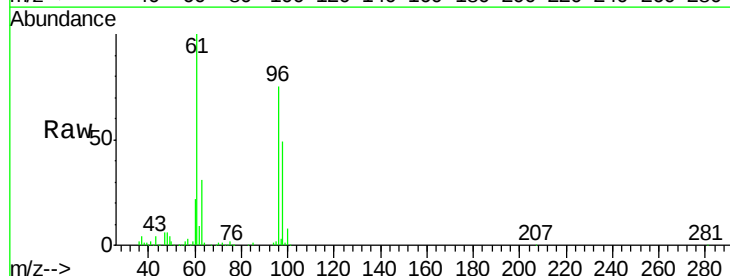
Tgt Ion: 43 Resp: 11927

Ion Ratio Lower Upper

43 100

61 2681.2 10.8 16.2#

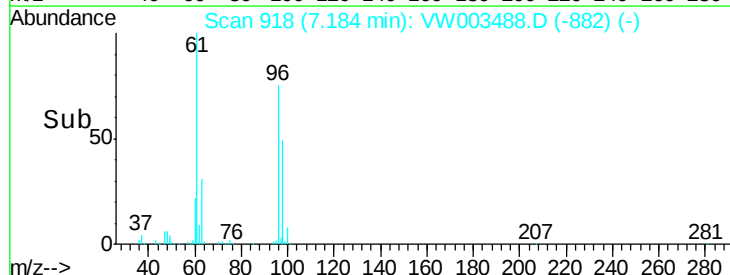
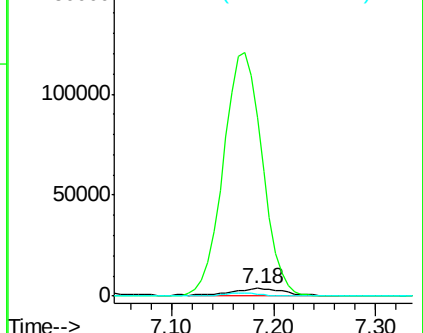
70 33.0 7.8 11.6#

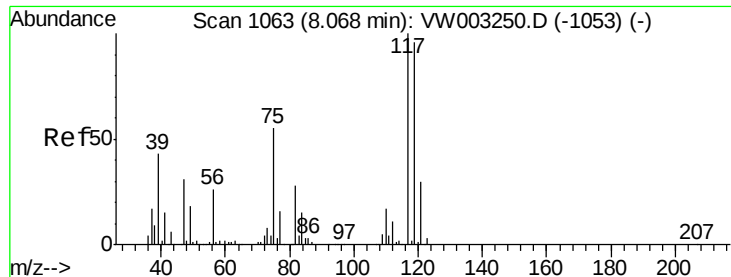


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

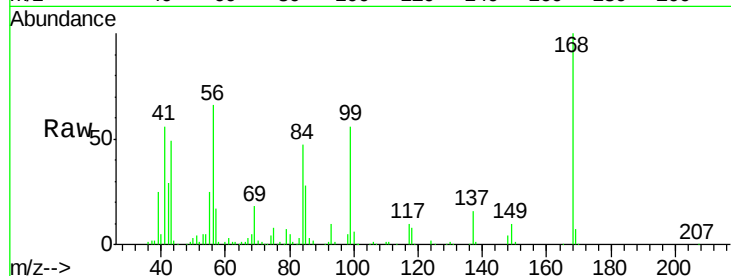
Tgt Ion:117 Resp: 14380

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

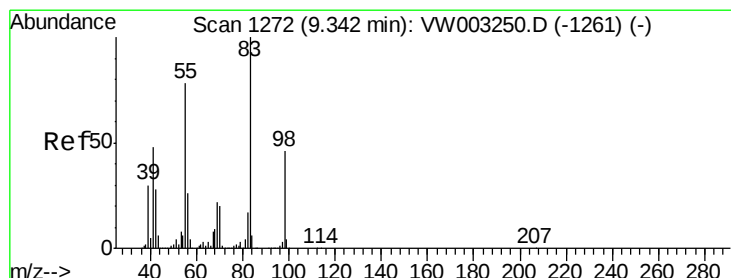
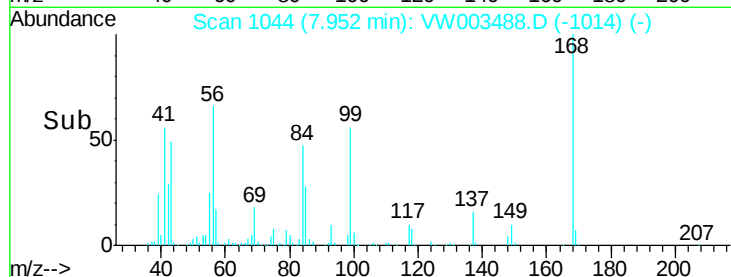
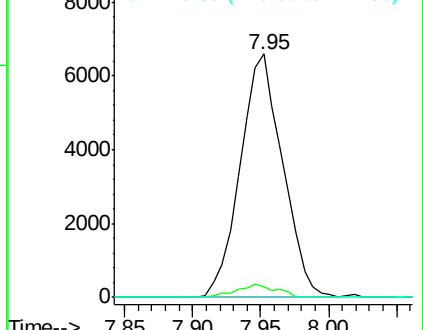
121 0.0 23.9 35.9#



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



#39

Methylcyclohexane

Concen: 984.243 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

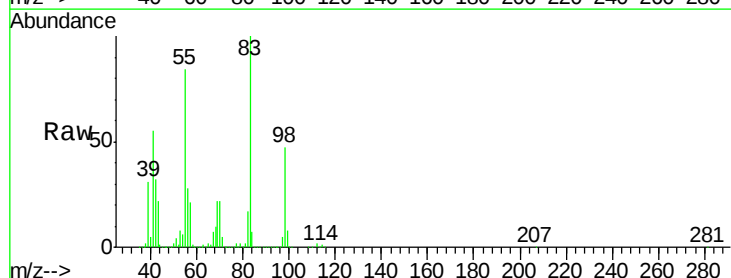
Tgt Ion: 83 Resp: 2487501

Ion Ratio Lower Upper

83 100

55 83.7 62.6 93.8

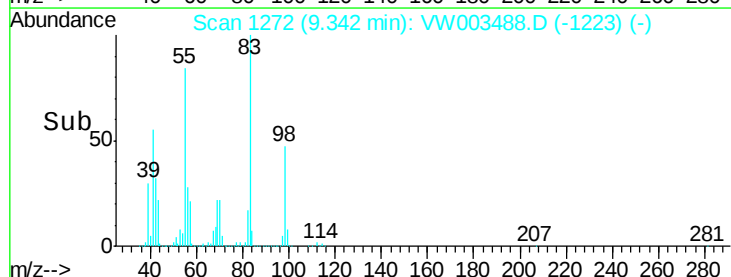
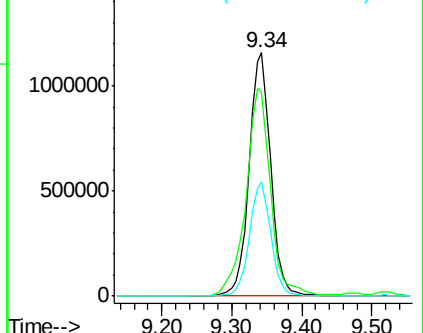
98 46.9 37.0 55.4

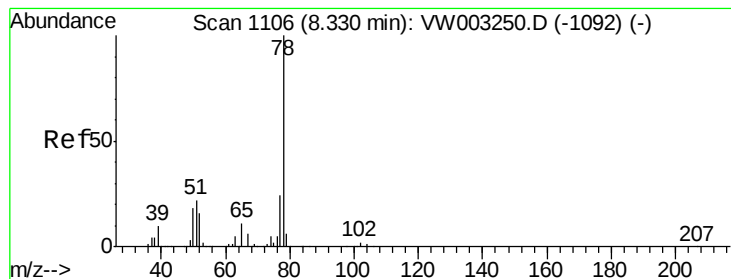


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 281.933 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

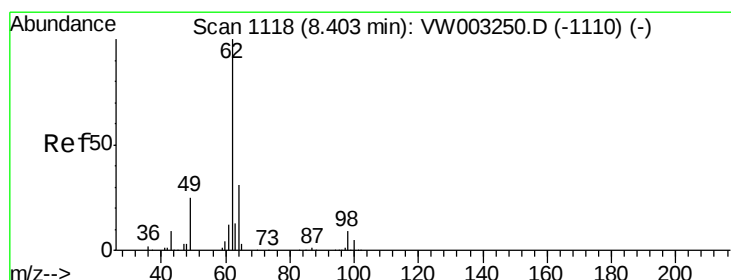
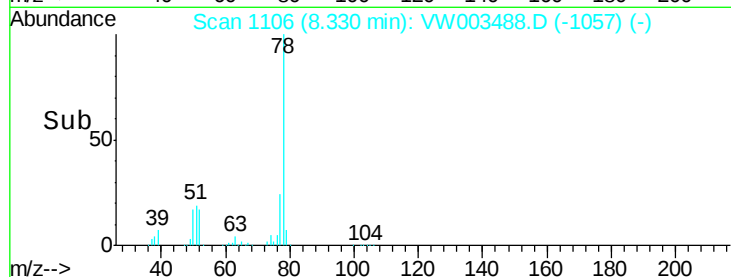
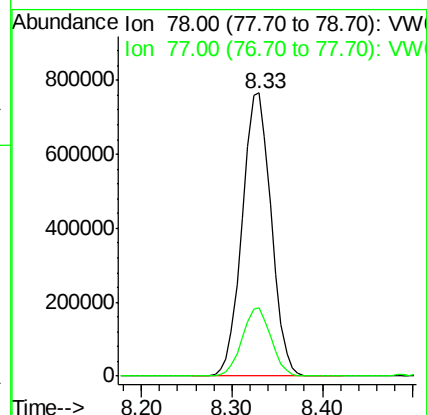
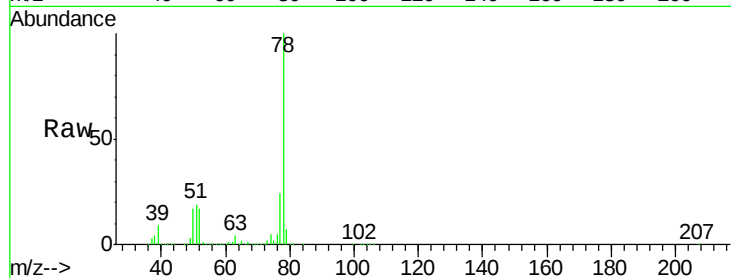
WP021SB487-23-25-180621

Tgt Ion: 78 Resp: 1697433

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6



#42

1,2-Dichloroethane

Concen: 1.548 ug/l

RT: 8.40 min Scan# 1117

Delta R.T. -0.01 min

Lab File: VW003488.D

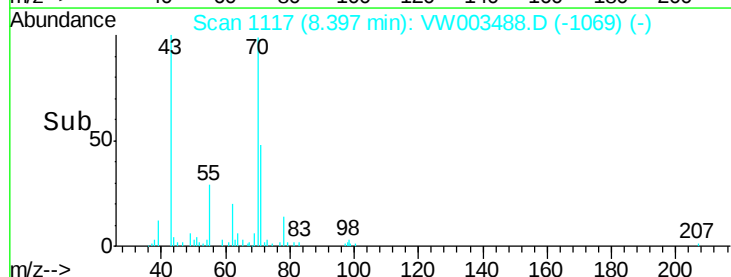
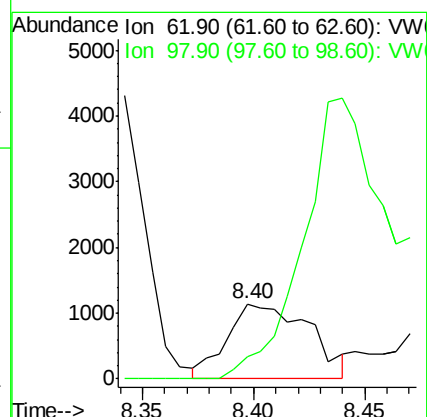
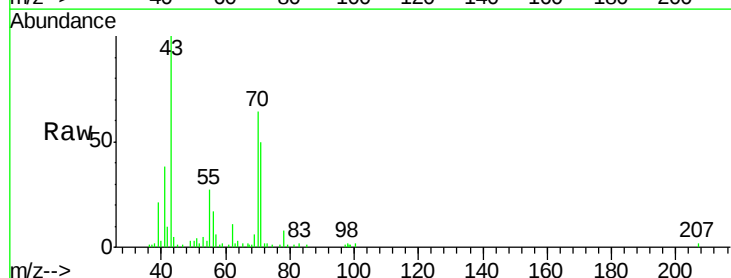
Acq: 24 Jun 2018 04:56

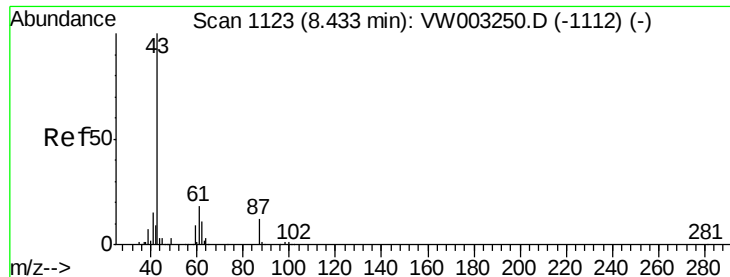
Tgt Ion: 62 Resp: 2920

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 57.196 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

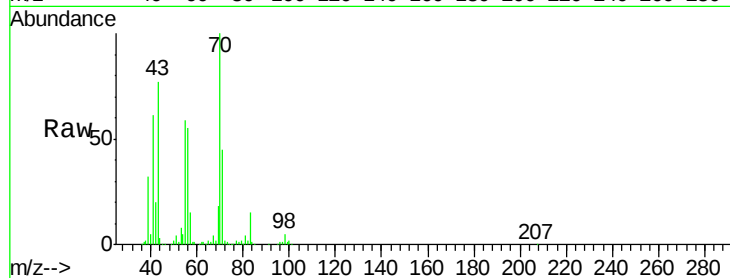
Tgt Ion: 43 Resp: 102766

Ion Ratio Lower Upper

43 100

61 0.0 23.1 34.7#

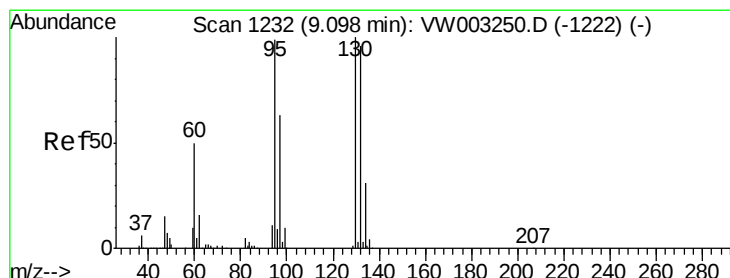
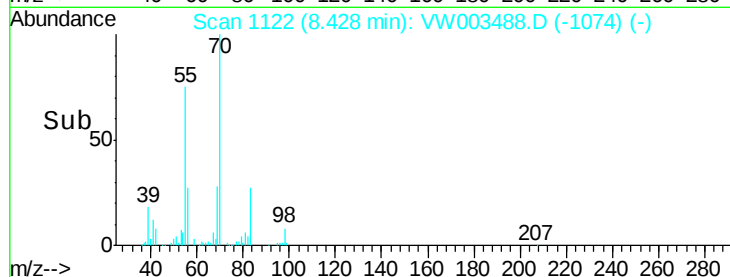
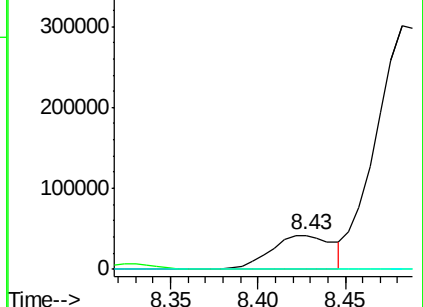
87 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 46.595 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003488.D

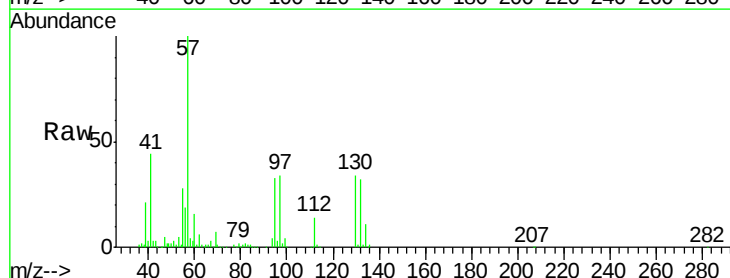
Acq: 24 Jun 2018 04:56

Tgt Ion:130 Resp: 74335

Ion Ratio Lower Upper

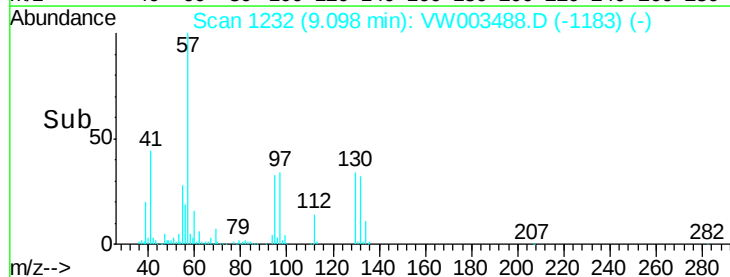
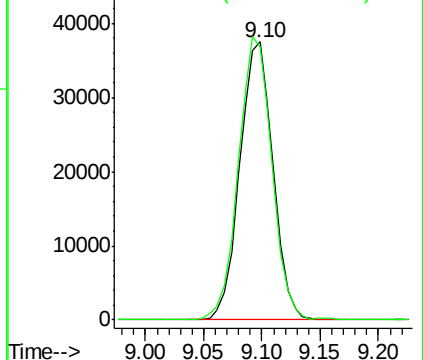
130 100

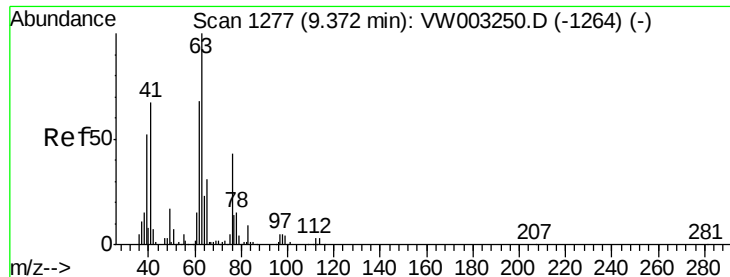
95 98.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.166 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

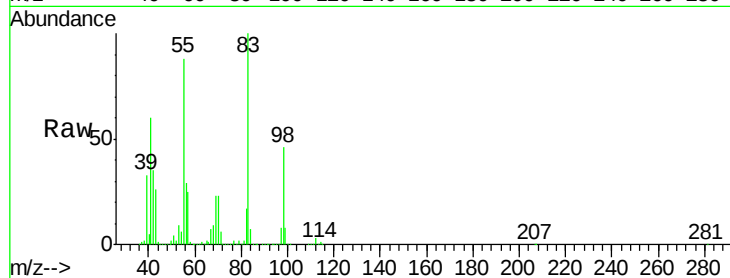
WP021SB487-23-25-180621

Tgt Ion: 63 Resp: 30913

Ion Ratio Lower Upper

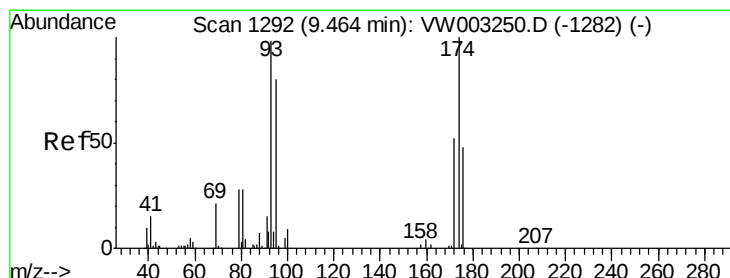
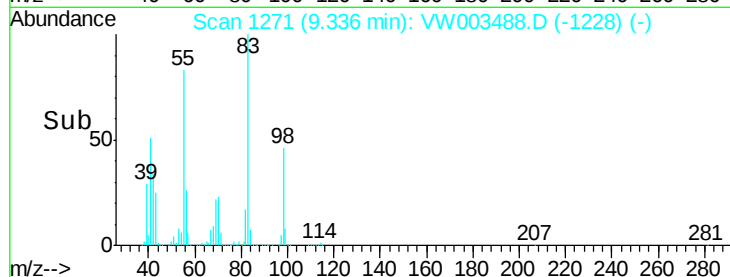
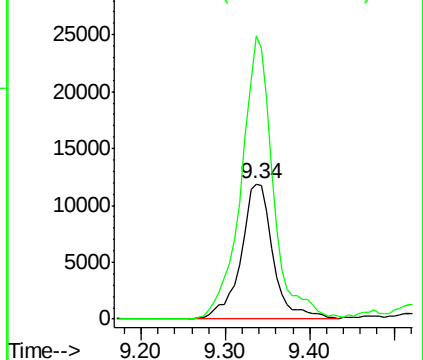
63 100

65 209.1 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 2.811 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.13 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

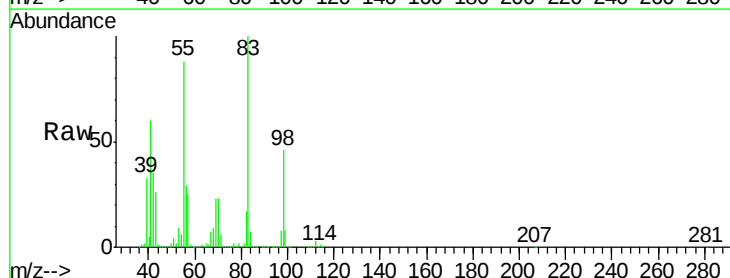
Tgt Ion: 93 Resp: 2206

Ion Ratio Lower Upper

93 100

95 343.3 65.8 98.8#

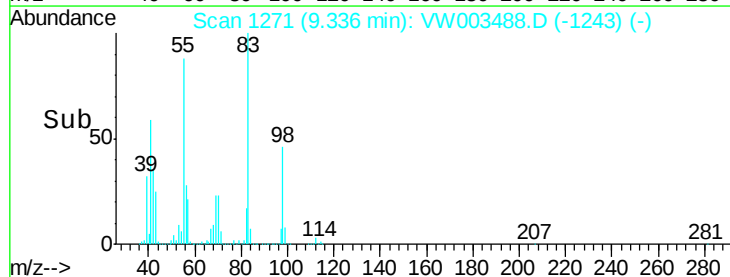
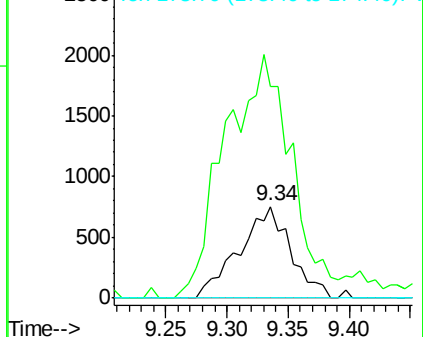
174 0.0 81.4 122.0#

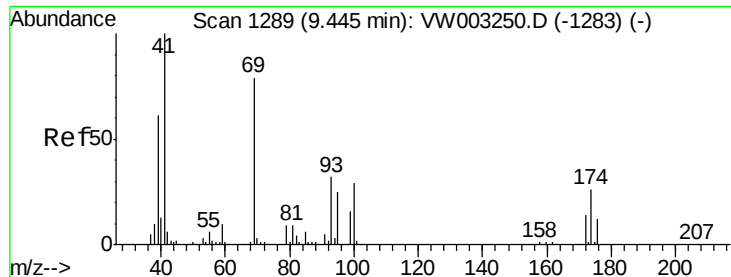


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

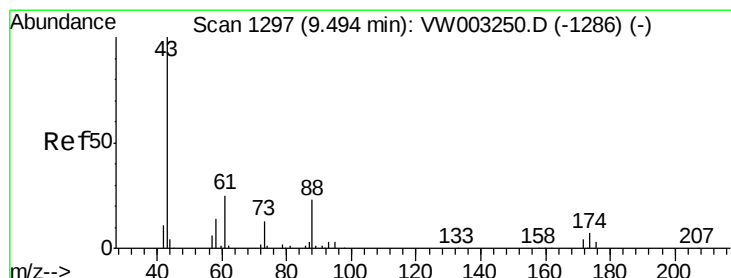
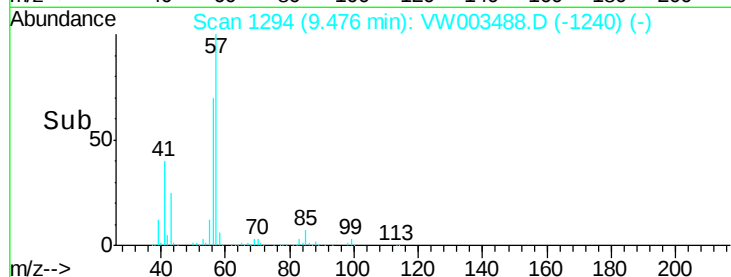
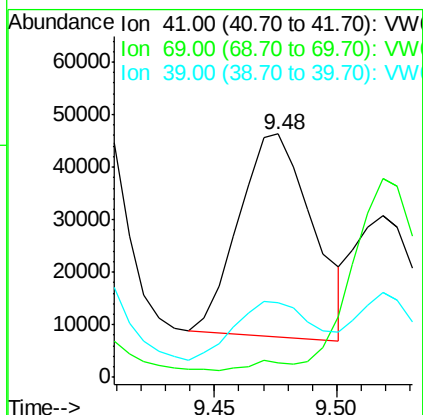
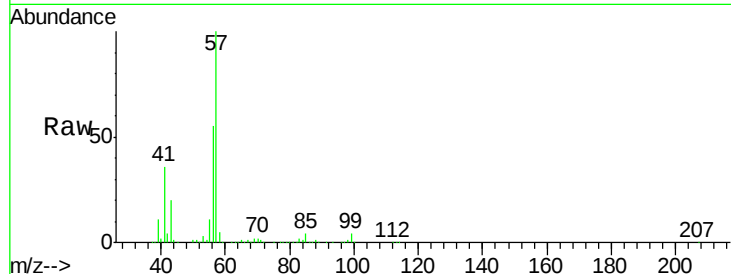




#48
Methyl methacrylate
Concen: 95.854 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.03 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

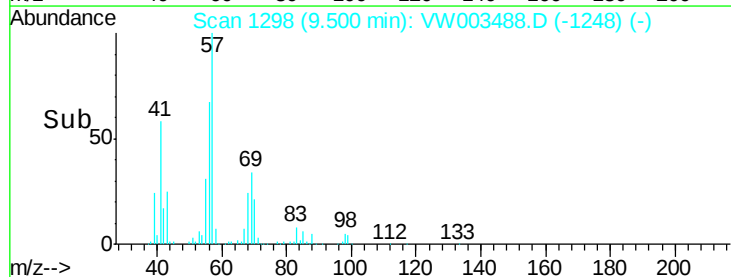
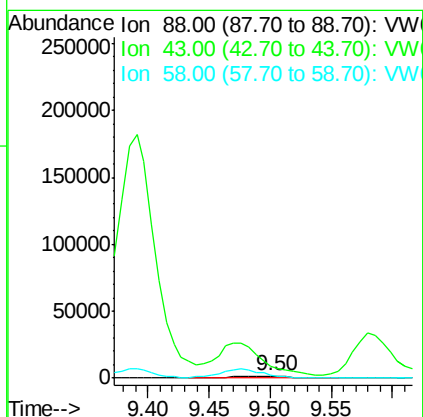
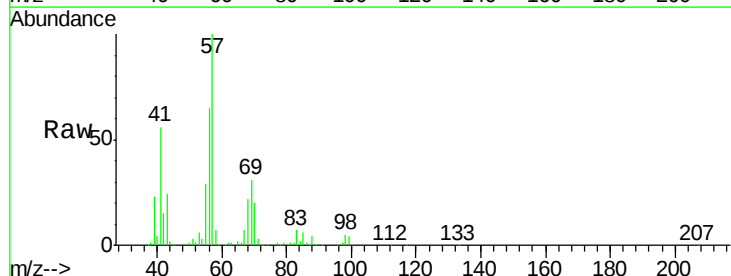
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

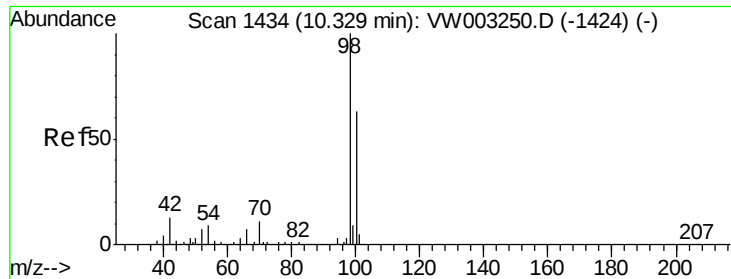
Tgt Ion: 41 Resp: 80938
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 33.2 54.2 81.2#



#49
1,4-Dioxane
Concen: 413.327 ug/l
RT: 9.50 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 88 Resp: 4898
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 0.0 58.6 88.0#





#50

Toluene-d8

Concen: 70.169 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

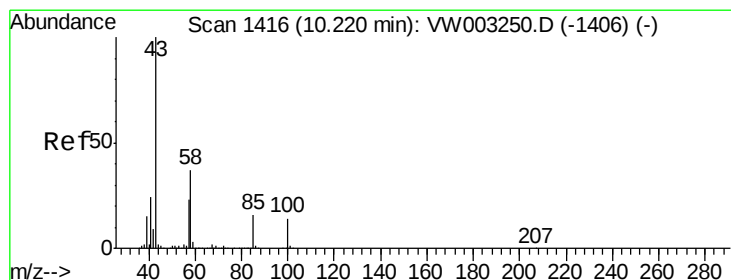
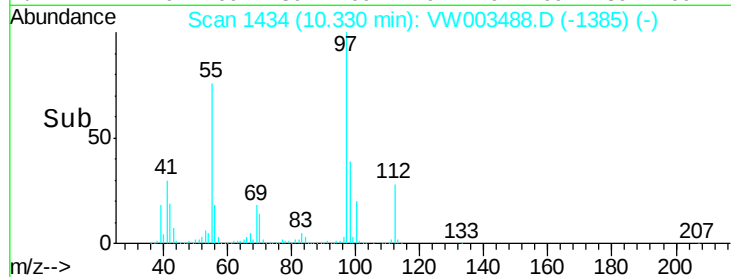
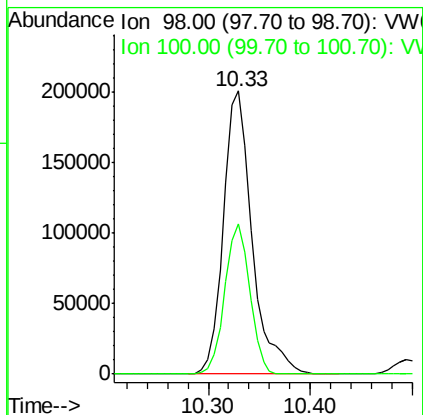
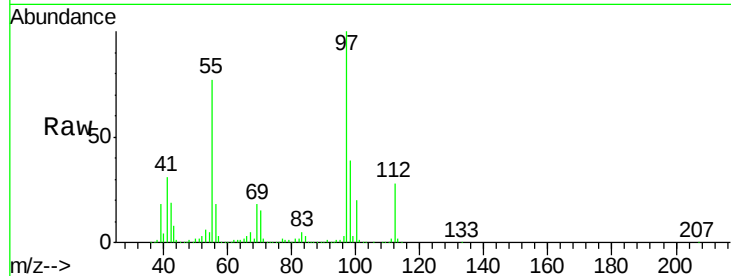
WP021SB487-23-25-180621

Tgt Ion: 98 Resp: 391025

Ion Ratio Lower Upper

98 100

100 46.2 50.8 76.2#



#51

4-Methyl-2-Pentanone

Concen: 215.792 ug/l

RT: 10.26 min Scan# 1422

Delta R.T. 0.04 min

Lab File: VW003488.D

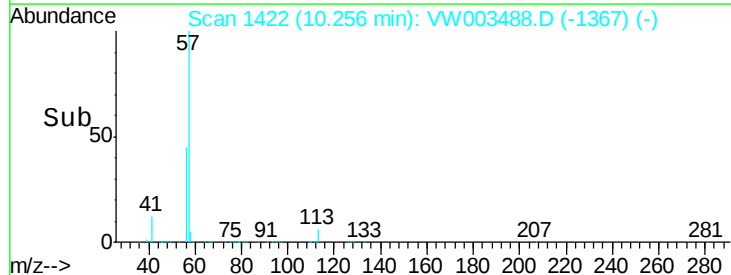
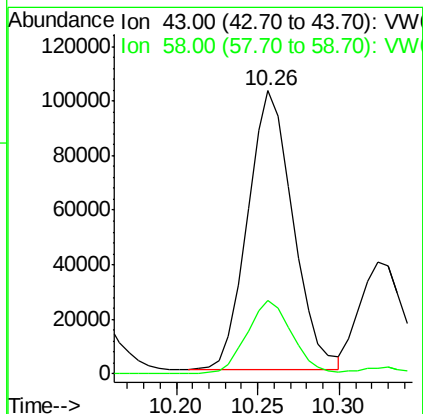
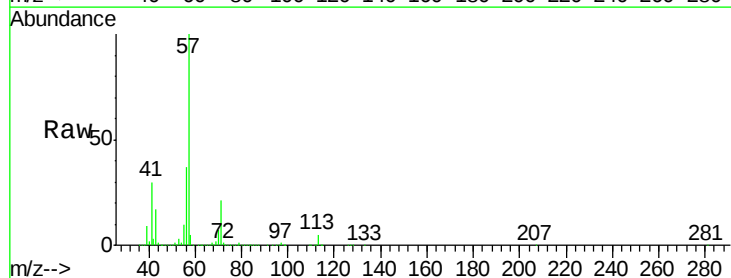
Acq: 24 Jun 2018 04:56

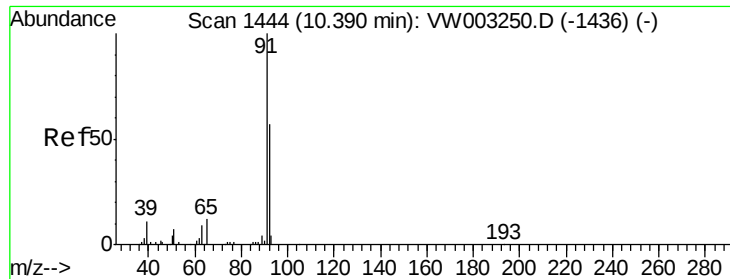
Tgt Ion: 43 Resp: 197566

Ion Ratio Lower Upper

43 100

58 26.2 29.0 43.4#





#52

Toluene

Concen: 2.537 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

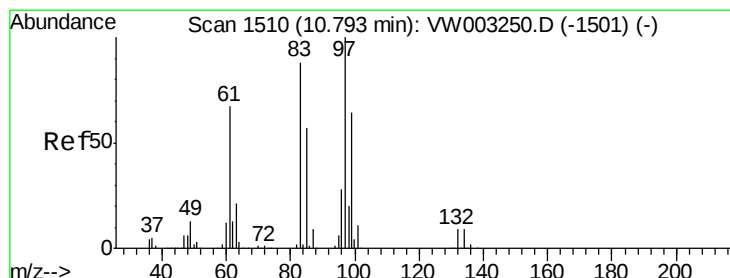
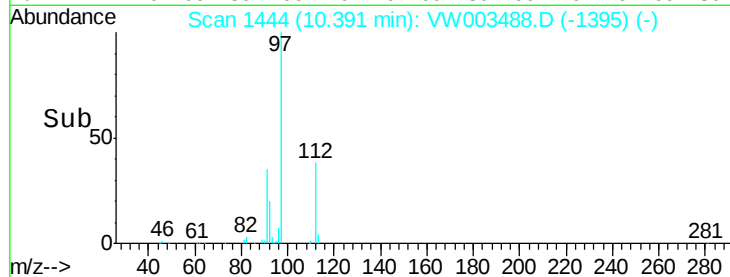
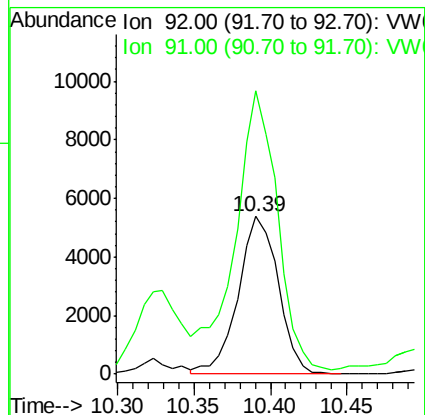
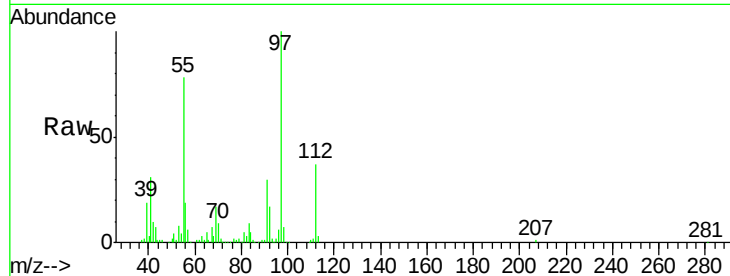
WP021SB487-23-25-180621

Tgt Ion: 92 Resp: 9796

Ion Ratio Lower Upper

92 100

91 188.5 141.1 211.7



#55

1,1,2-Trichloroethane

Concen: 297.051 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion: 97 Resp: 328524

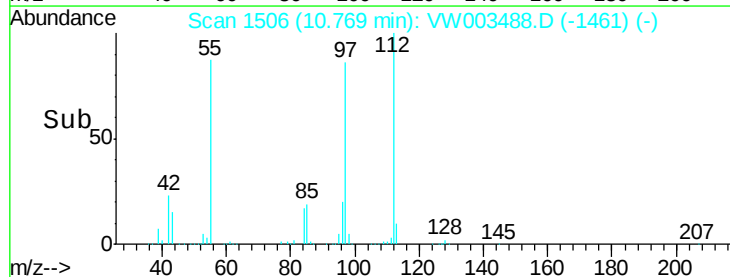
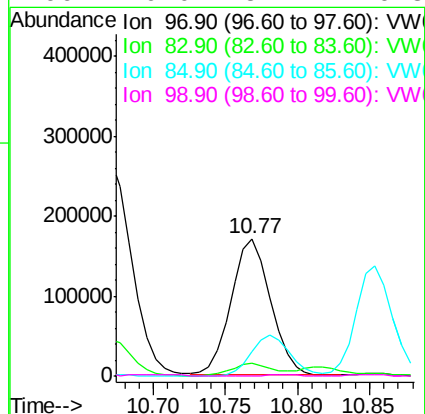
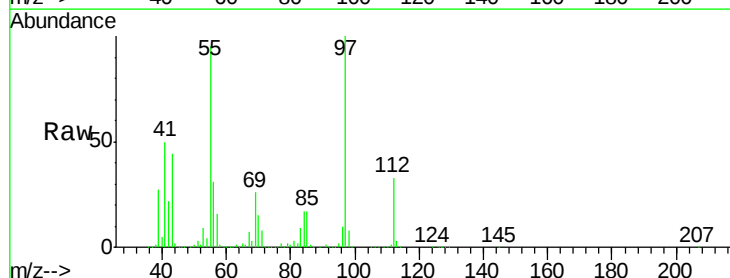
Ion Ratio Lower Upper

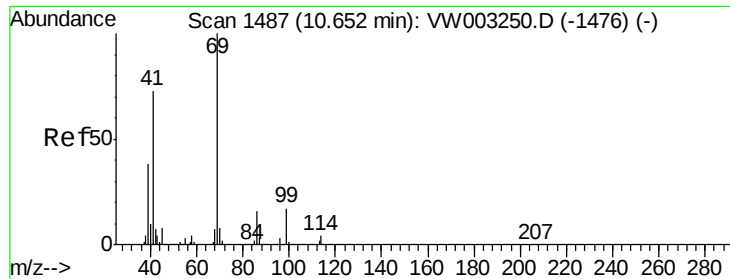
97 100

83 8.6 70.2 105.2#

85 17.5 45.6 68.4#

99 0.0 51.2 76.8#





#56

Ethyl methacrylate

Concen: 106.986 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

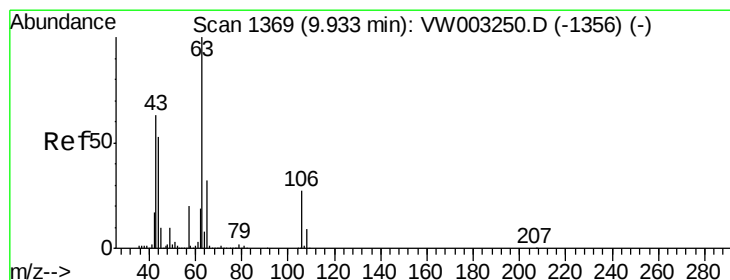
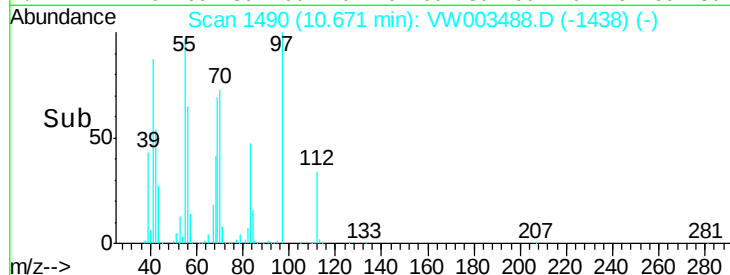
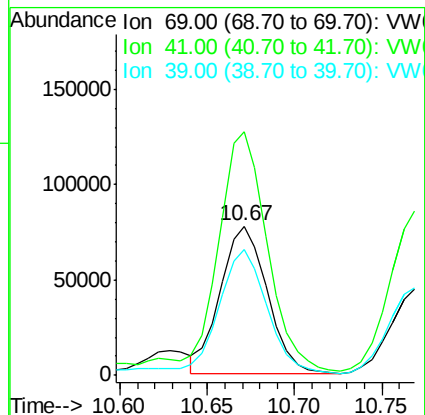
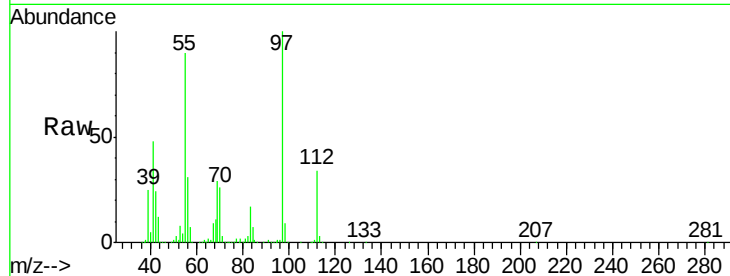
Tgt Ion: 69 Resp: 143680

Ion Ratio Lower Upper

69 100

41 184.8 57.8 86.6#

39 94.0 32.7 49.1#



#58

2-Chloroethyl Vinyl ether

Concen: 10.599 ug/l

RT: 9.90 min Scan# 1364

Delta R.T. -0.03 min

Lab File: VW003488.D

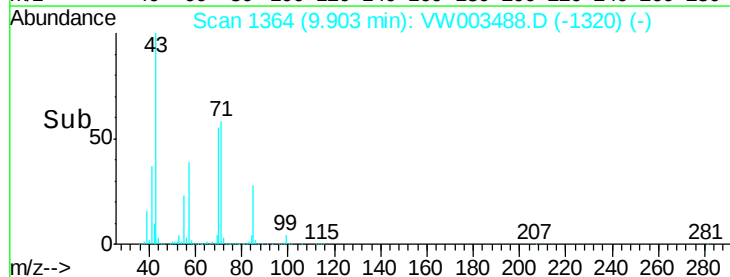
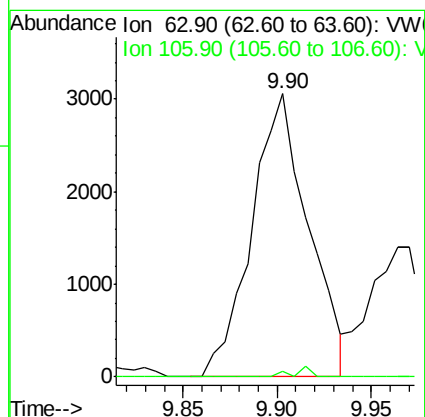
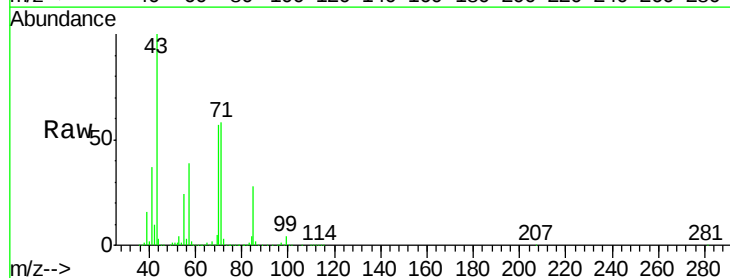
Acq: 24 Jun 2018 04:56

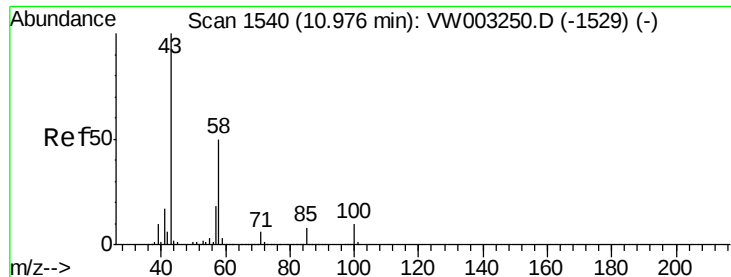
Tgt Ion: 63 Resp: 6381

Ion Ratio Lower Upper

63 100

106 1.0 21.8 32.8#

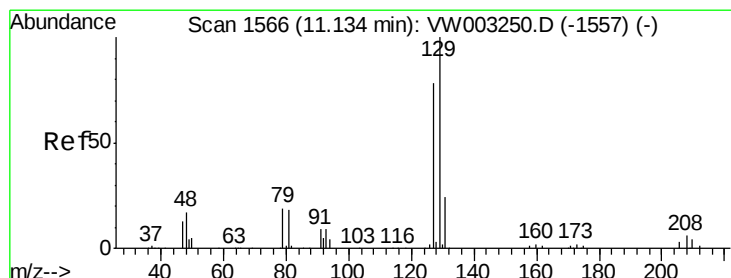
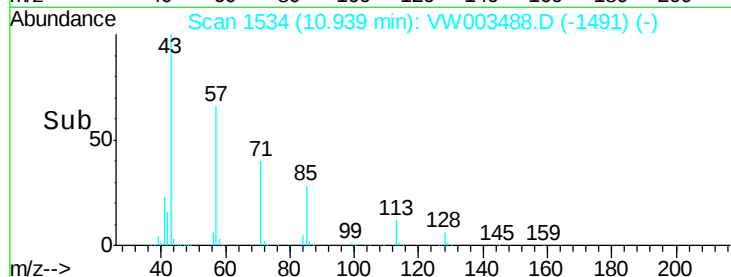
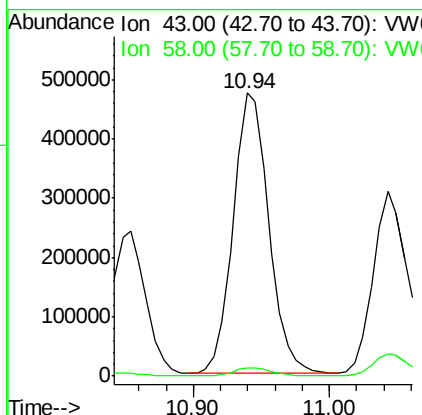
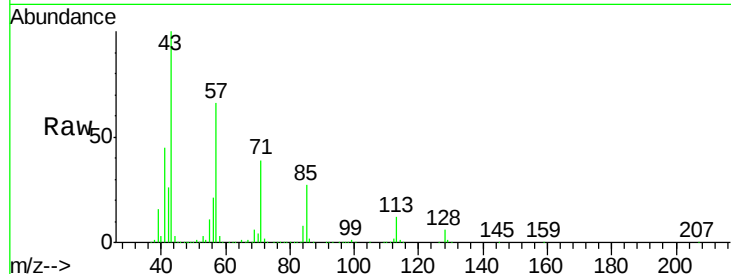




#59
2-Hexanone
Concen: 1345.064 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

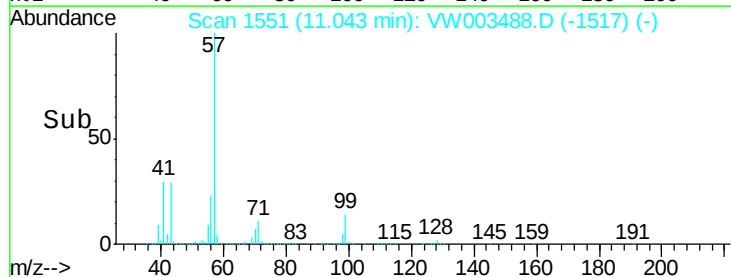
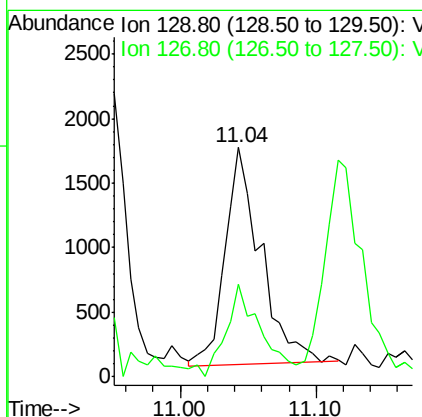
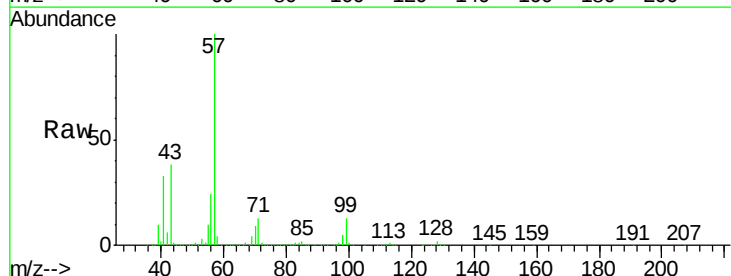
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

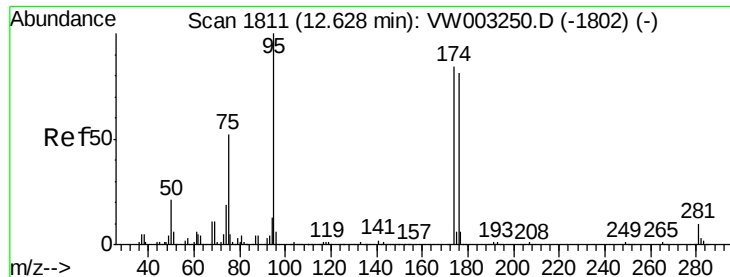
Tgt Ion: 43 Resp: 860283
Ion Ratio Lower Upper
43 100
58 3.2 25.0 75.0#



#60
Dibromochloromethane
Concen: 2.344 ug/l
RT: 11.04 min Scan# 1551
Delta R.T. -0.09 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 129 Resp: 3083
Ion Ratio Lower Upper
129 100
127 41.4 39.1 117.5

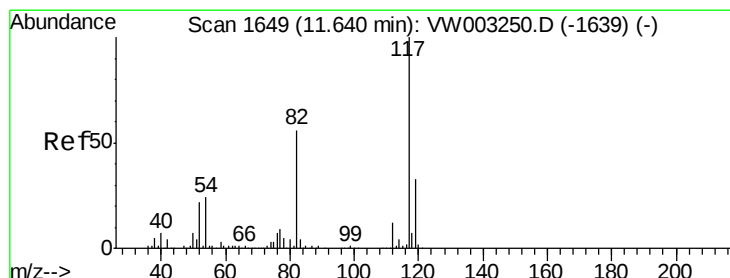
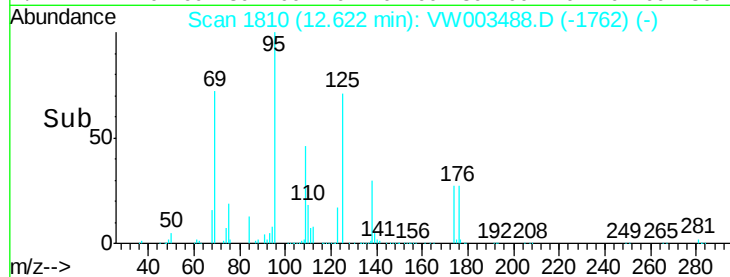
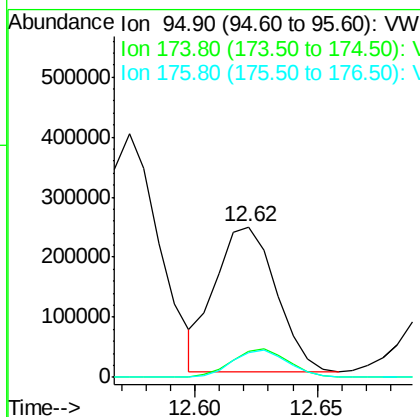
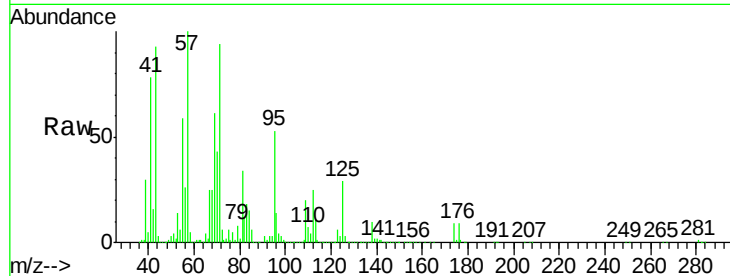




#62
4-Bromofluorobenzene
Concen: 214.725 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

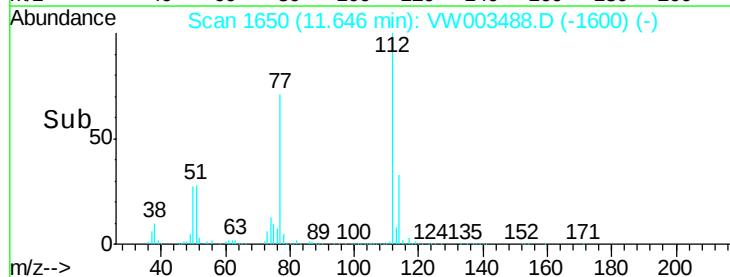
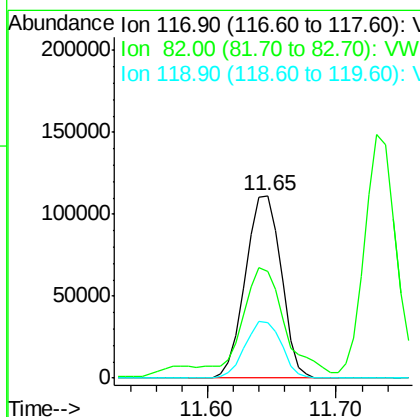
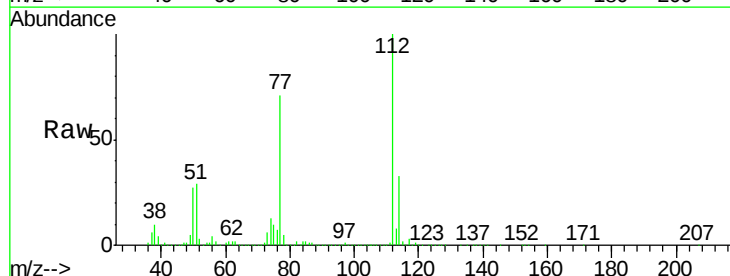
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

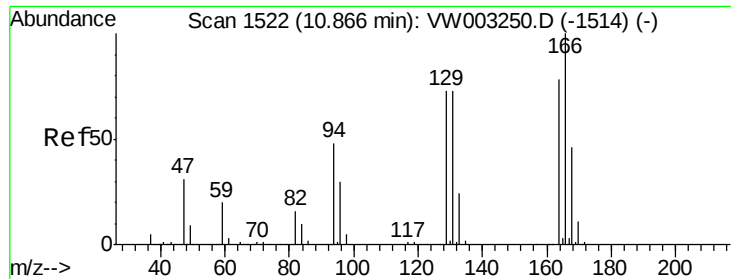
Tgt Ion: 95 Resp: 423456
Ion Ratio Lower Upper
95 100
174 18.0 0.0 166.4
176 17.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 117 Resp: 213505
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 30.2 26.7 40.1





#64

Tetrachloroethene

Concen: 1.162 ug/l

RT: 10.86 min Scan# 1521

Delta R.T. -0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tgt Ion:164 Resp: 1659

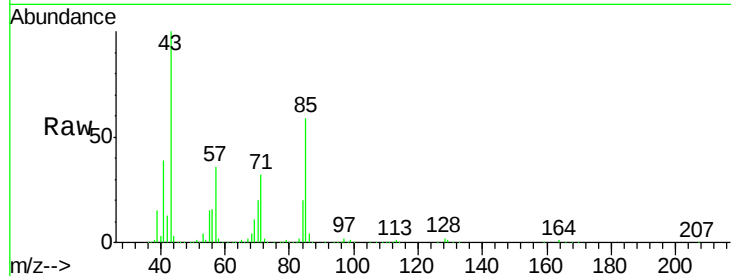
Ion Ratio Lower Upper

164 100

166 85.9 102.6 154.0#

129 97.7 75.2 112.8

131 90.5 75.0 112.4

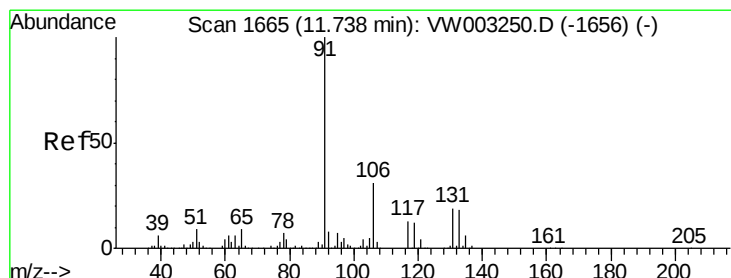
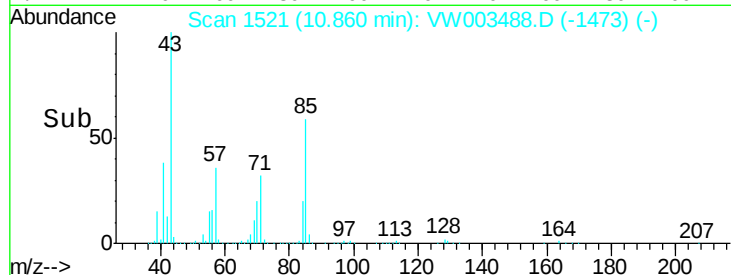
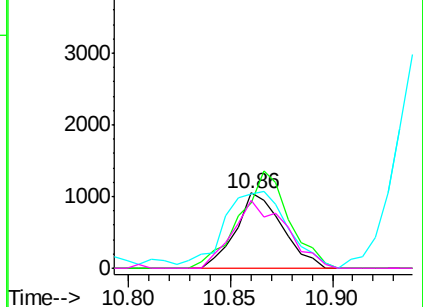


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 37.709 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003488.D

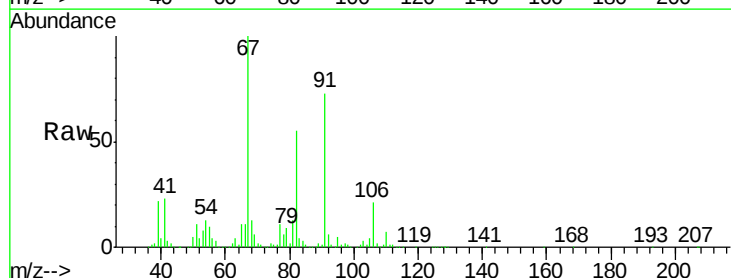
Acq: 24 Jun 2018 04:56

Tgt Ion: 91 Resp: 297194

Ion Ratio Lower Upper

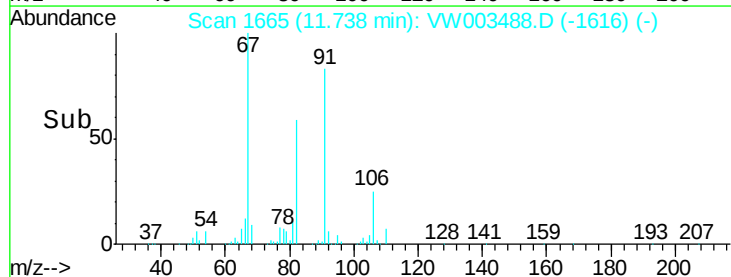
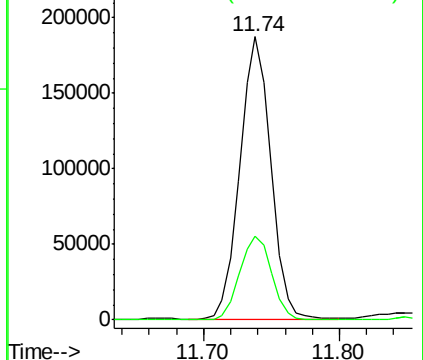
91 100

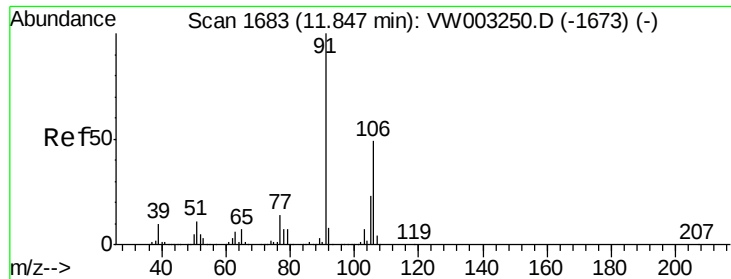
106 29.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

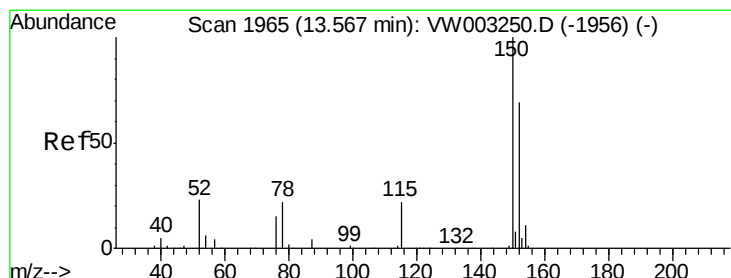
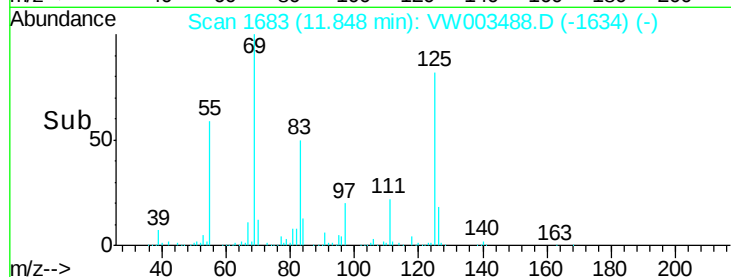
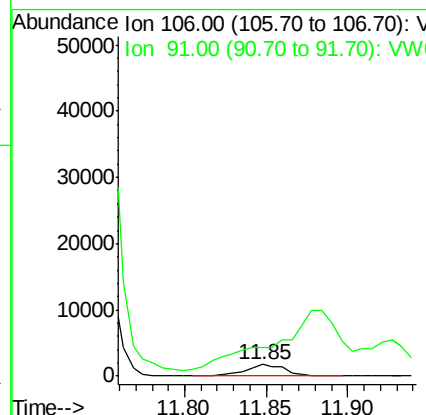
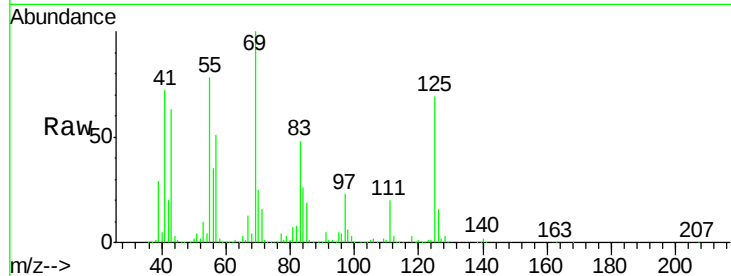




#68
m/p-Xylenes
Concen: 1.036 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

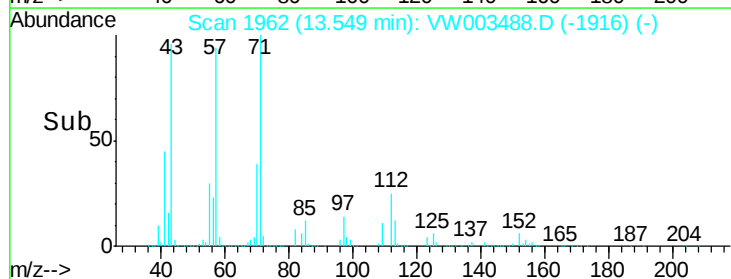
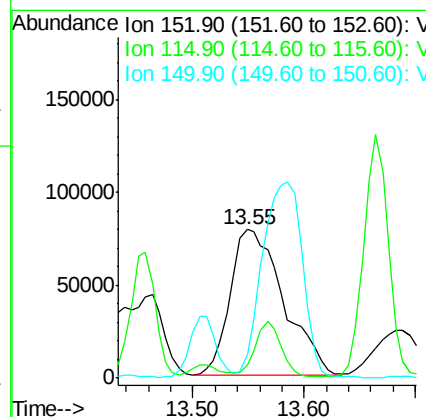
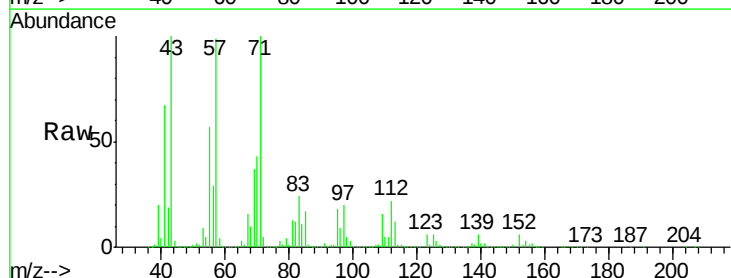
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

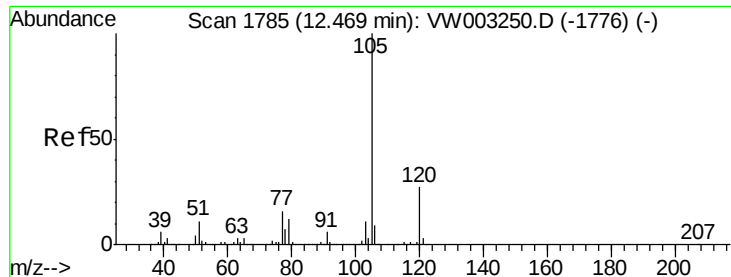
Tgt Ion:106 Resp: 3104
Ion Ratio Lower Upper
106 100
91 0.0 165.4 248.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1962
Delta R.T. -0.02 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion:152 Resp: 261364
Ion Ratio Lower Upper
152 100
115 18.9 29.3 88.0#
150 0.0 0.0 349.6





#73

Isopropylbenzene

Concen: 99.149 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

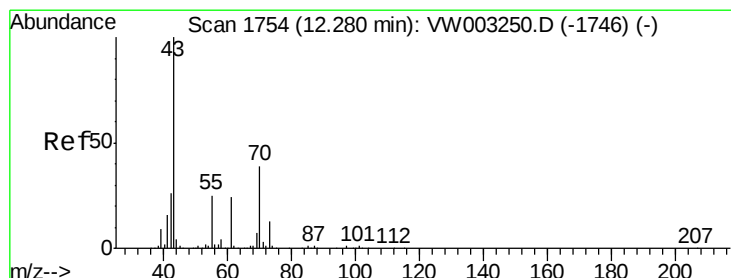
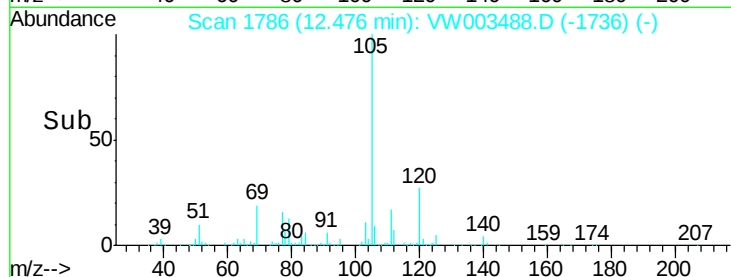
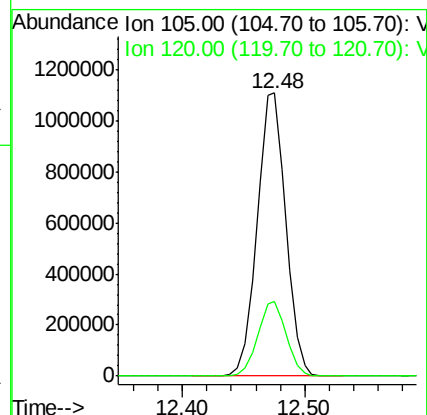
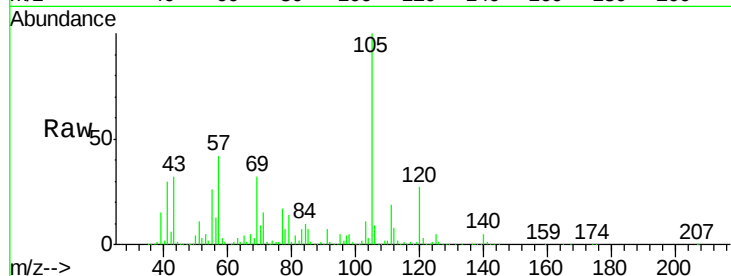
WP021SB487-23-25-180621

Tgt Ion:105 Resp: 1802428

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 752.938 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion: 43 Resp: 3115466

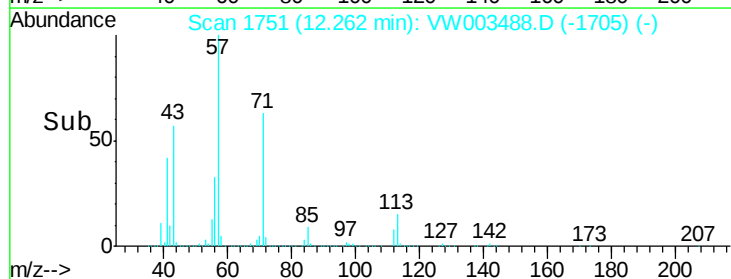
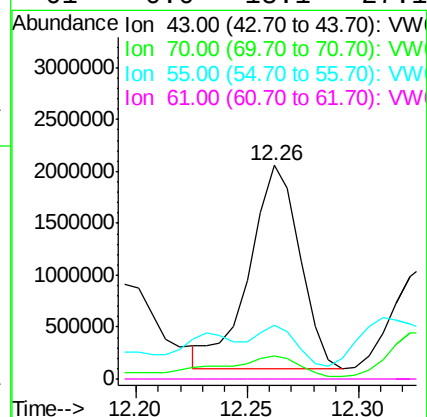
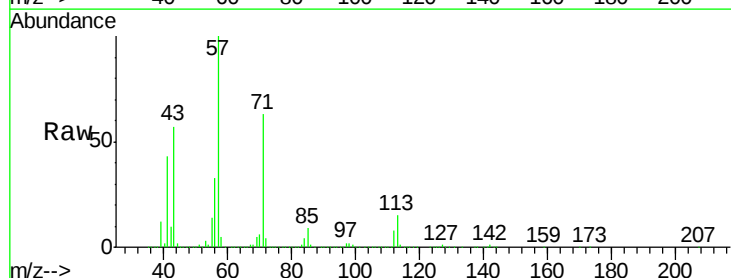
Ion Ratio Lower Upper

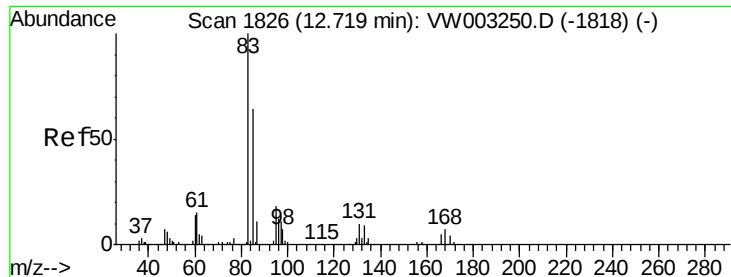
43 100

70 15.9 31.0 46.6#

55 14.9 19.7 29.5#

61 0.0 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.483 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.05 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

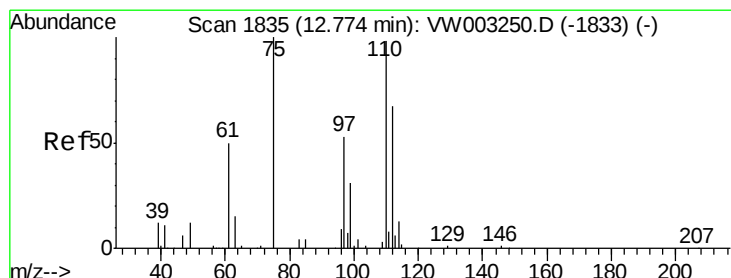
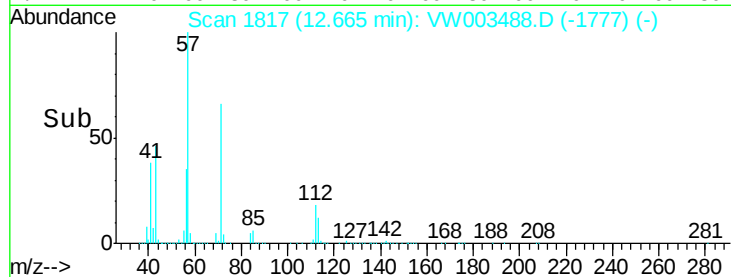
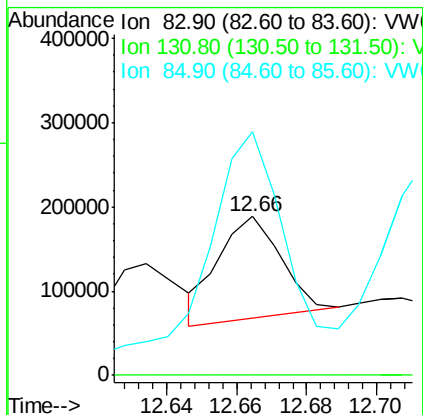
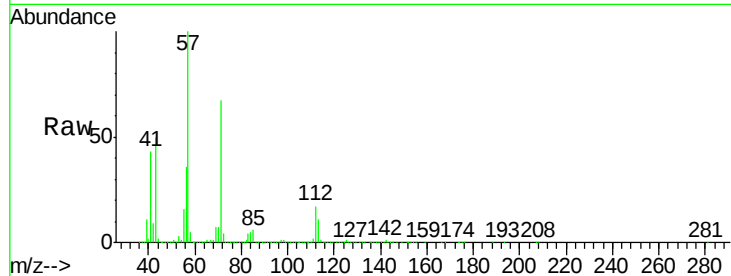
Tgt Ion: 83 Resp: 152185

Ion Ratio Lower Upper

83 100

131 0.2 5.4 16.2#

85 293.2 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 7.879 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.04 min

Lab File: VW003488.D

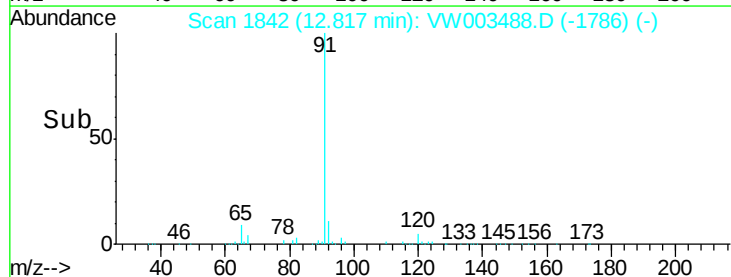
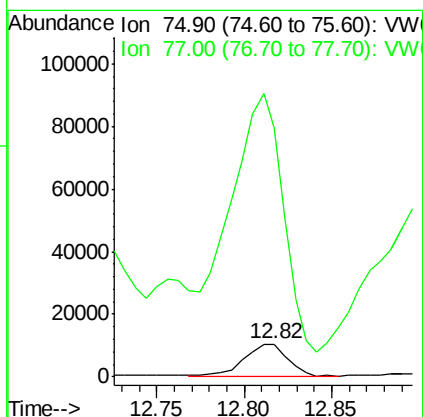
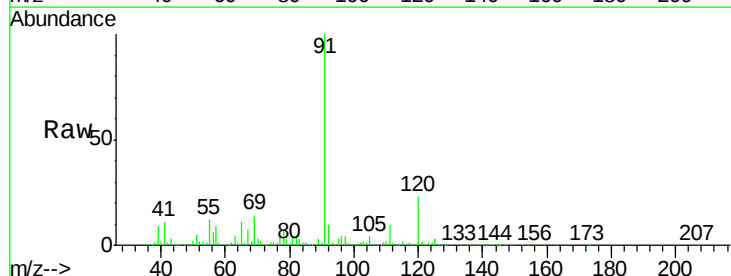
Acq: 24 Jun 2018 04:56

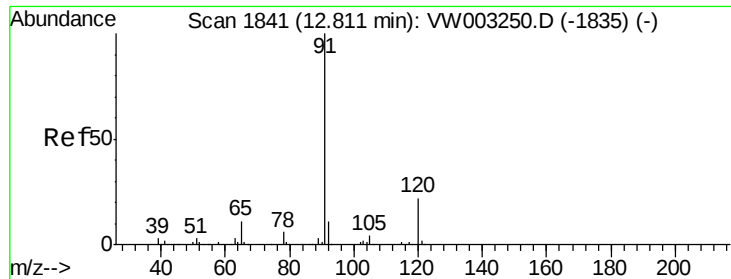
Tgt Ion: 75 Resp: 17605

Ion Ratio Lower Upper

75 100

77 965.1 0.0 0.0#





#78

n-propylbenzene

Concen: 120.312 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

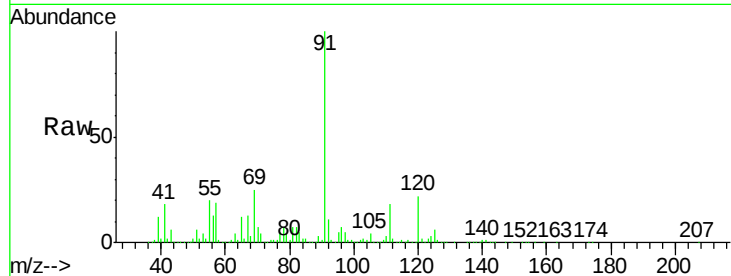
WP021SB487-23-25-180621

Tgt Ion: 91 Resp: 2678115

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

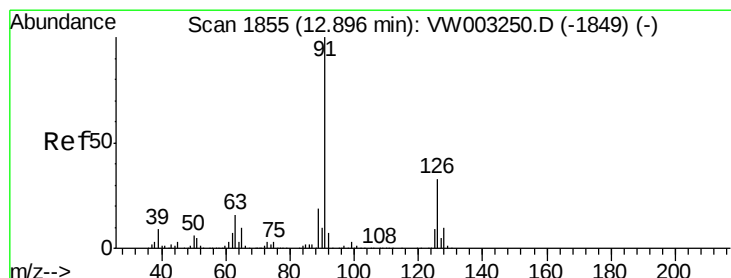
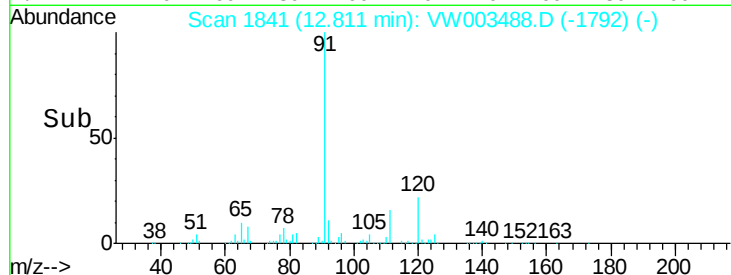
1000000

500000

0

12.75 12.80 12.85

Time-->



#79

2-Chlorotoluene

Concen: 212.896 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.09 min

Lab File: VW003488.D

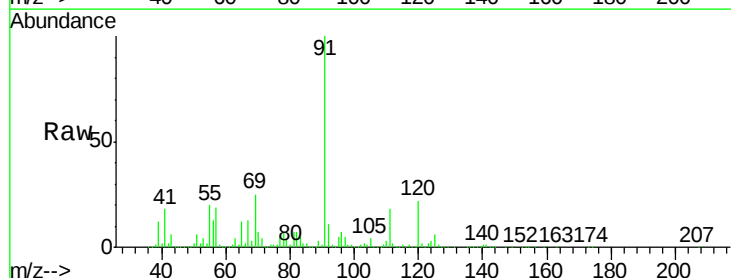
Acq: 24 Jun 2018 04:56

Tgt Ion: 91 Resp: 2678115

Ion Ratio Lower Upper

91 100

126 2.8 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

2000000

1500000

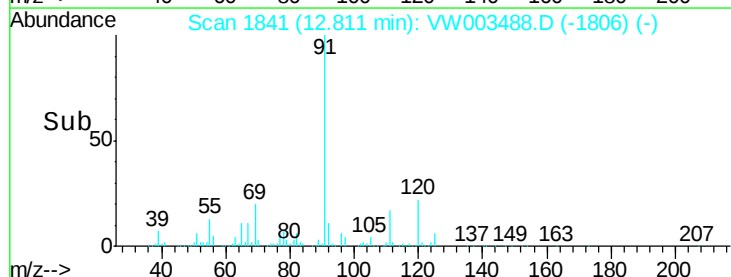
1000000

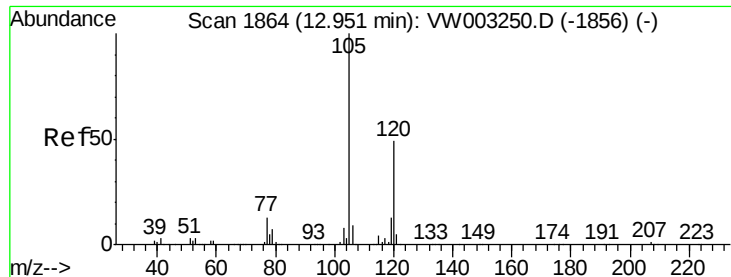
500000

0

12.75 12.80 12.85

Time-->

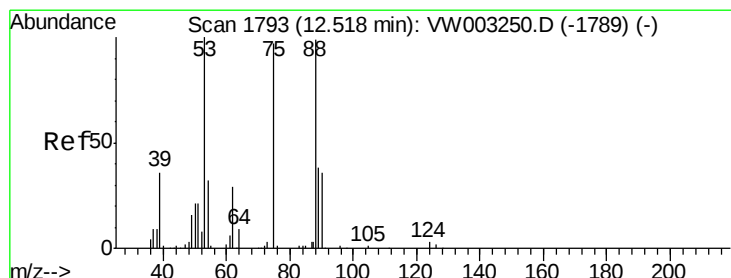
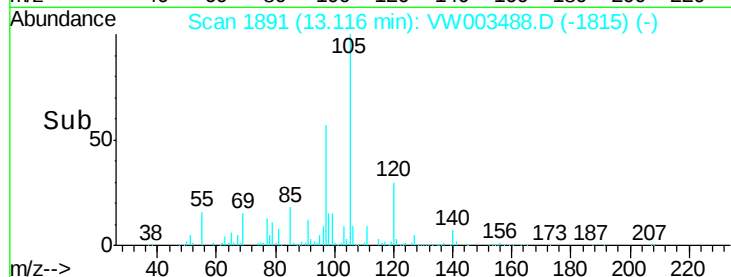
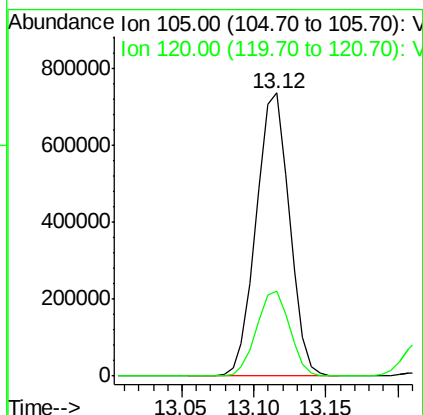
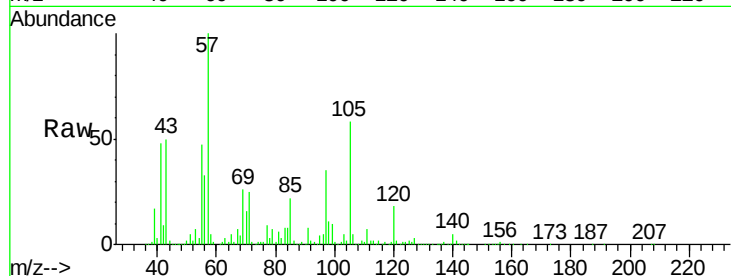




#80
 1,3,5-Trimethylbenzene
 Concen: 76.789 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.16 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

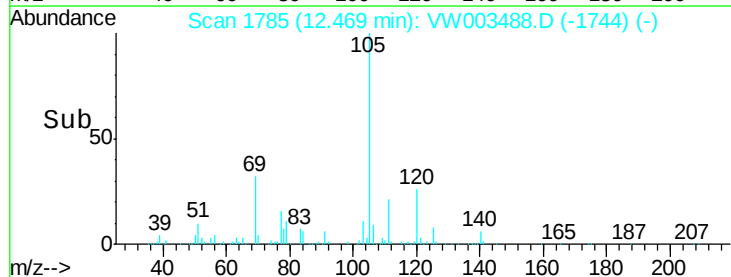
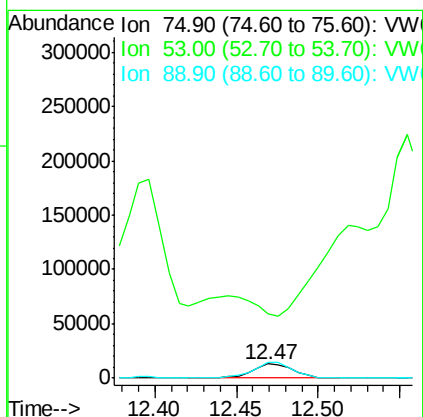
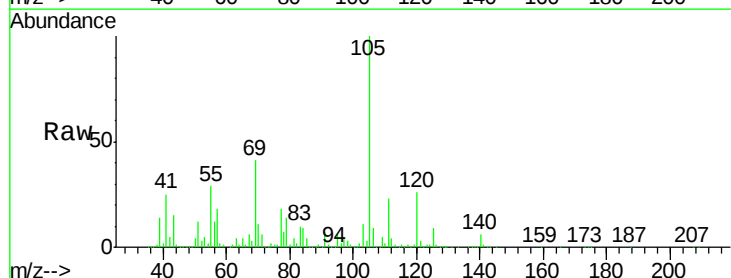
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

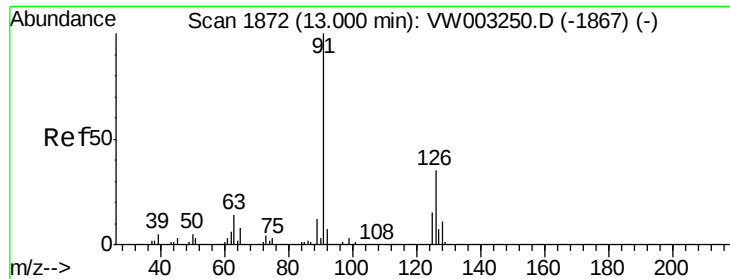
Tgt Ion: 105 Resp: 1171714
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.976 ug/l
 RT: 12.47 min Scan# 1785
 Delta R.T. -0.05 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Tgt Ion: 75 Resp: 21339
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.9 124.3#
 89 112.6 36.7 55.1#





#82

4-Chlorotoluene

Concen: 11.841 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. 0.12 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

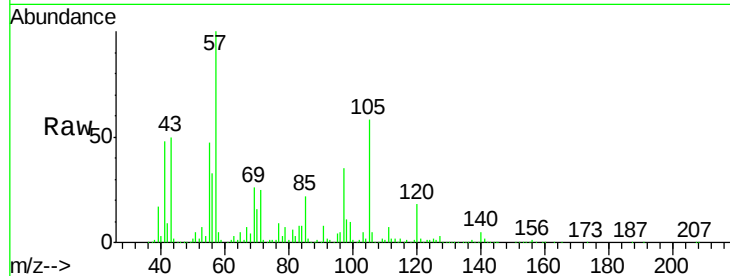
WP021SB487-23-25-180621

Tgt Ion: 91 Resp: 158017

Ion Ratio Lower Upper

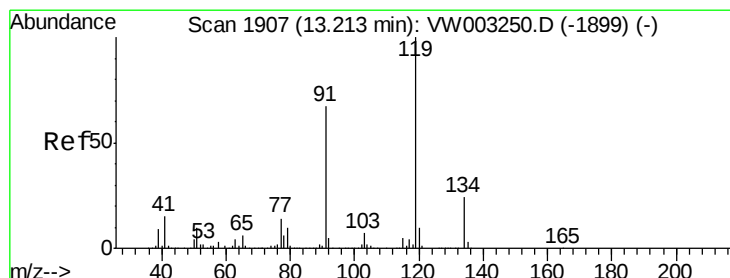
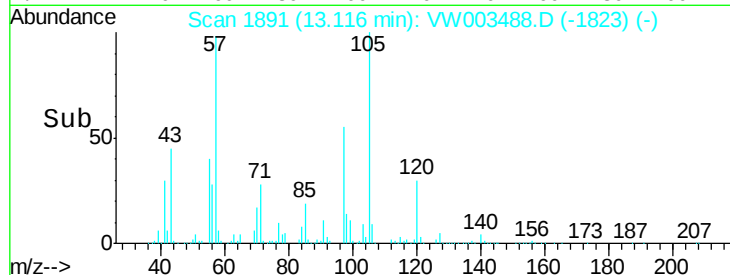
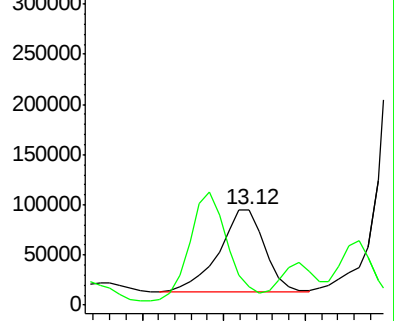
91 100

126 0.0 16.8 50.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 117.502 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

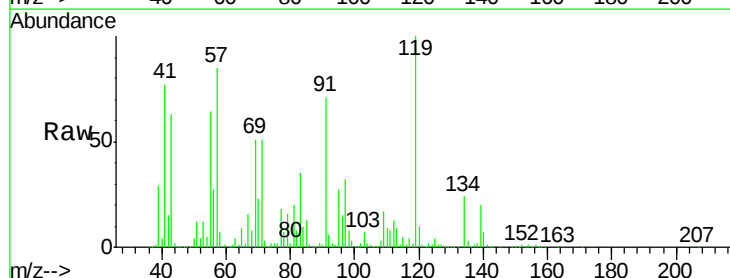
Tgt Ion: 119 Resp: 1528002

Ion Ratio Lower Upper

119 100

91 70.2 33.9 101.7

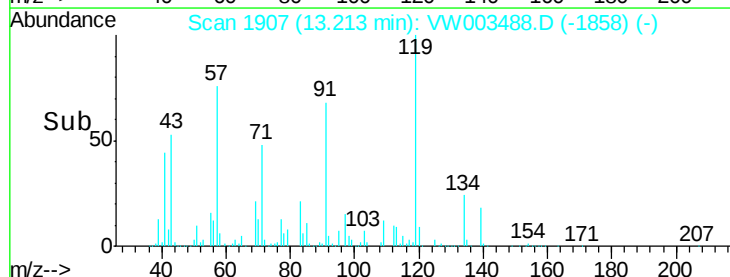
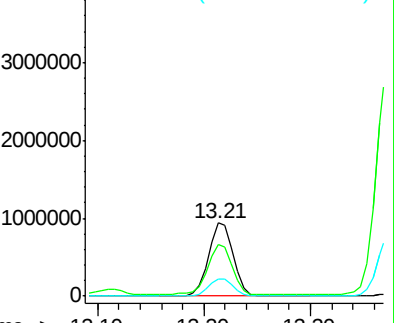
134 24.1 13.4 40.1

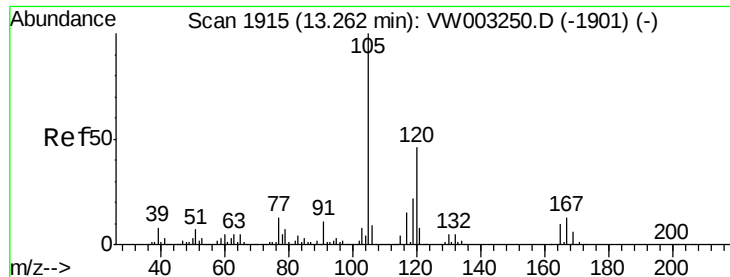


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

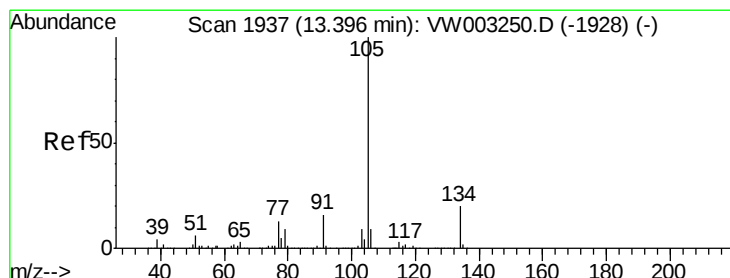
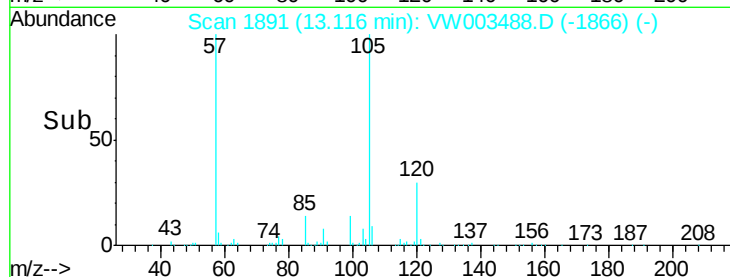
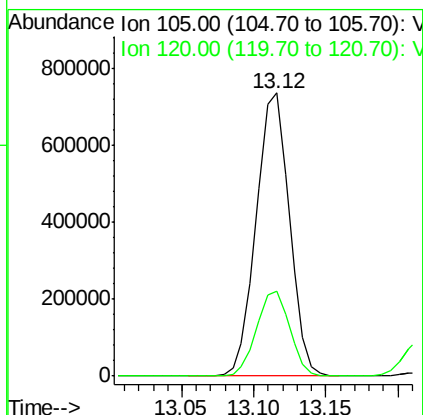
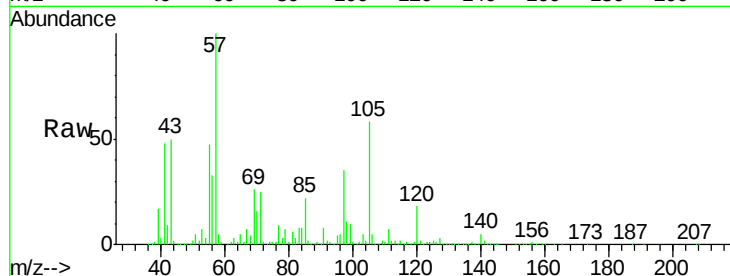




#84
1,2,4-Trimethylbenzene
Concen: 74.649 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.15 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

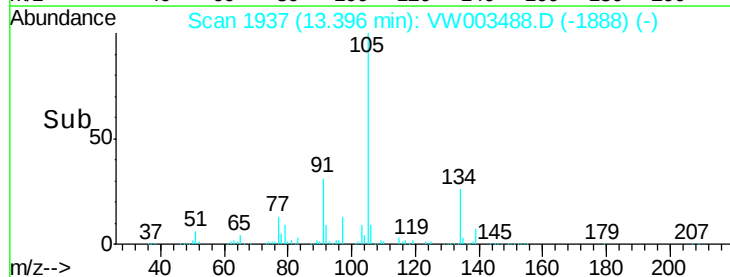
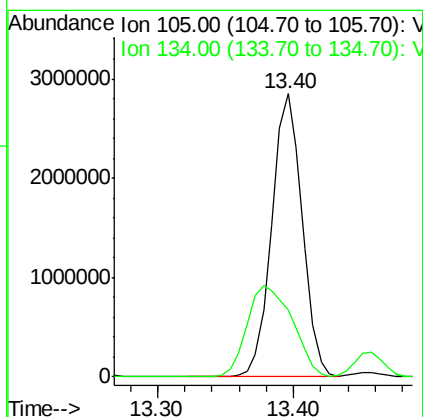
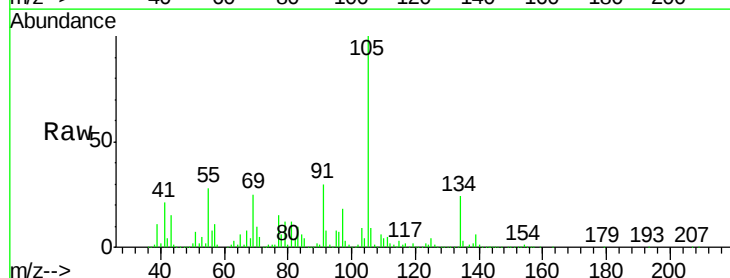
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

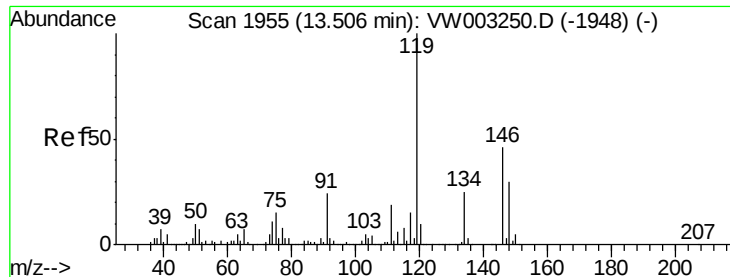
Tgt Ion:105 Resp: 1171714
Ion Ratio Lower Upper
105 100
120 30.2 22.5 67.5



#85
sec-Butylbenzene
Concen: 229.763 ug/l
RT: 13.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion:105 Resp: 4441105
Ion Ratio Lower Upper
105 100
134 48.3 9.8 29.5#

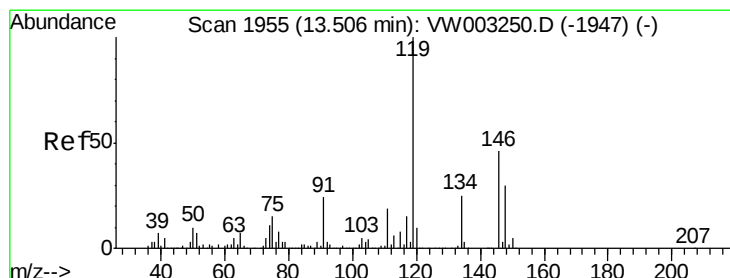
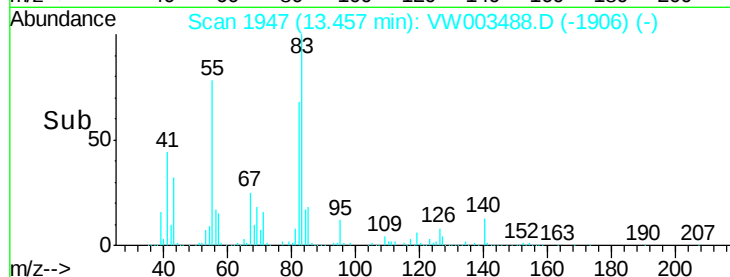
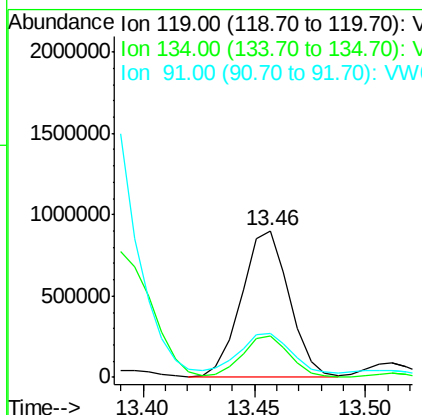
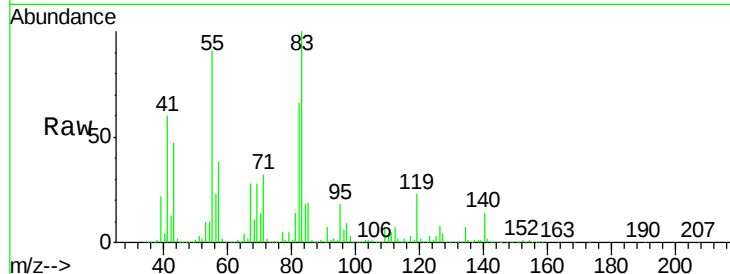




#86
p-Isopropyltoluene
Concen: 78.943 ug/l
RT: 13.46 min Scan# 1947
Delta R.T. -0.05 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

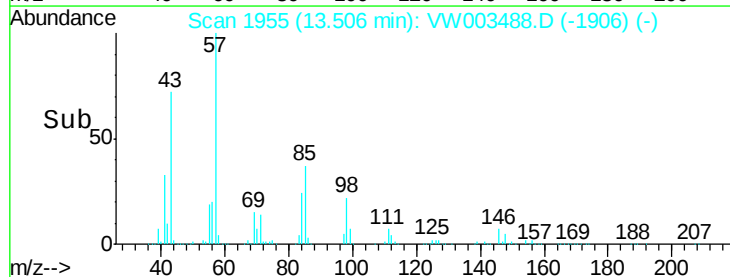
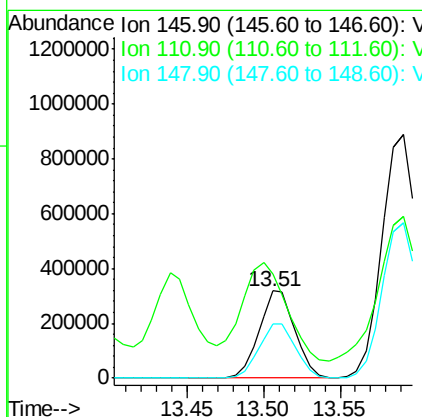
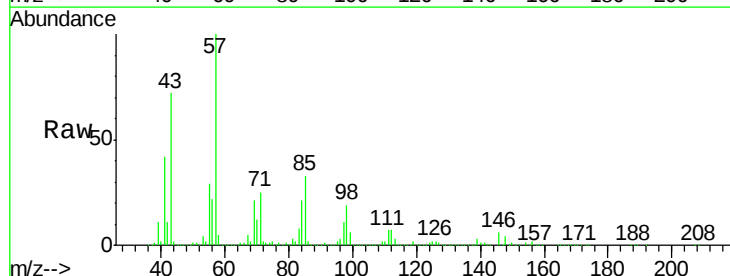
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

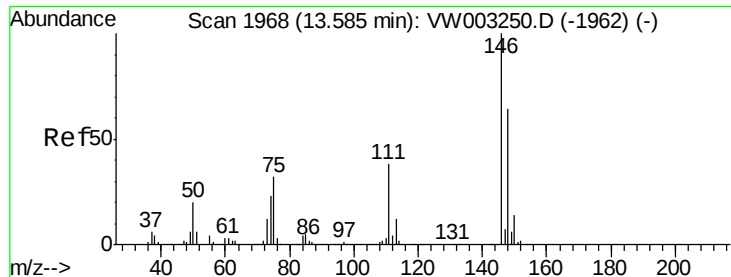
Tgt Ion:119 Resp: 1345833
Ion Ratio Lower Upper
119 100
134 27.9 12.9 38.7
91 28.1 11.8 35.3



#87
1,3-Dichlorobenzene
Concen: 59.578 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion:146 Resp: 518169
Ion Ratio Lower Upper
146 100
111 138.5 19.8 59.4#
148 63.7 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 165.352 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

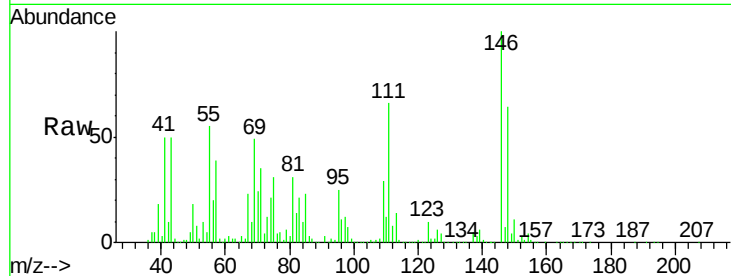
Tgt Ion:146 Resp: 1429689

Ion Ratio Lower Upper

146 100

111 67.7 19.2 57.6#

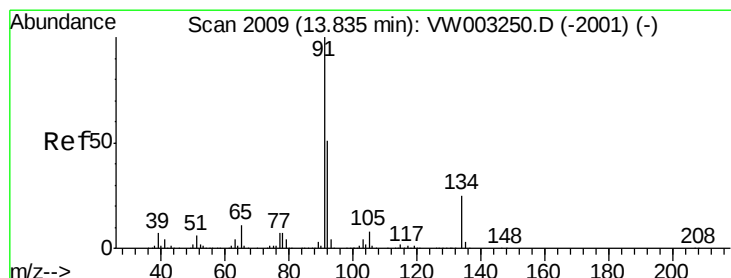
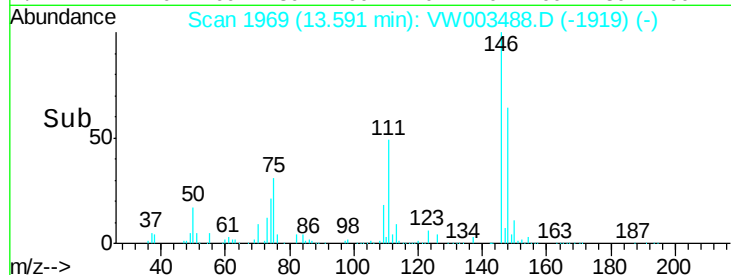
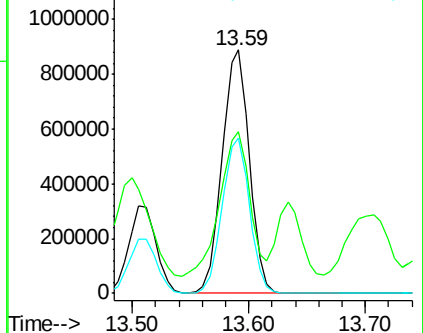
148 64.1 31.8 95.4



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



#89

n-Butylbenzene

Concen: 171.974 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

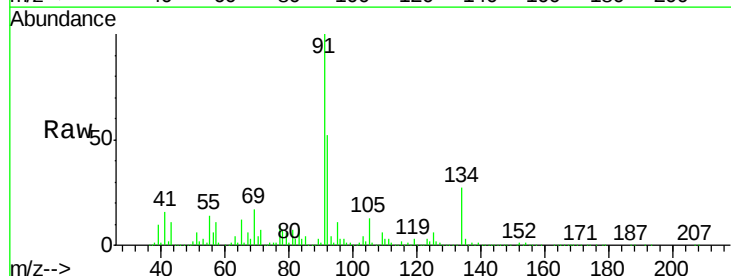
Tgt Ion: 91 Resp: 2857840

Ion Ratio Lower Upper

91 100

92 49.7 26.0 78.0

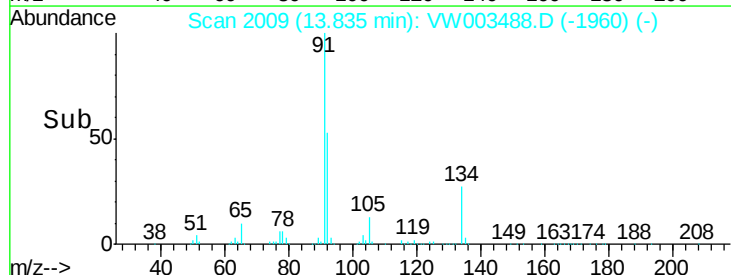
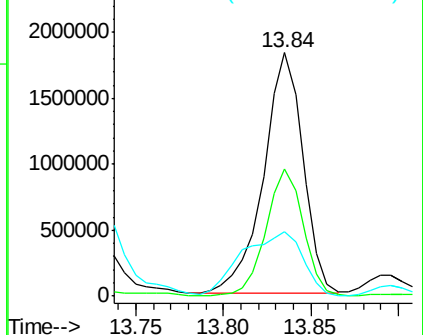
134 40.4 12.7 38.0#

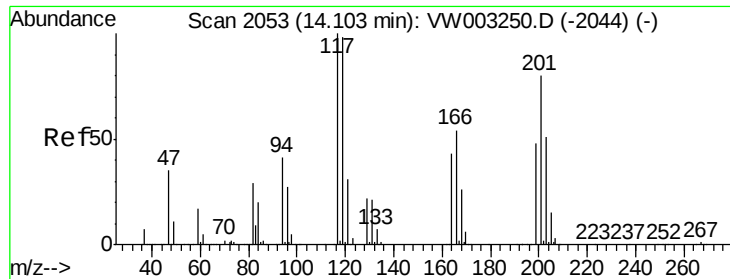


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 87.541 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

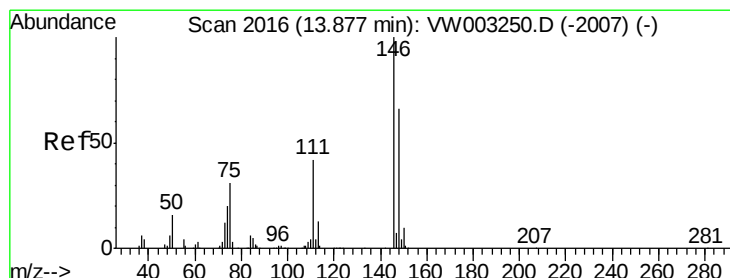
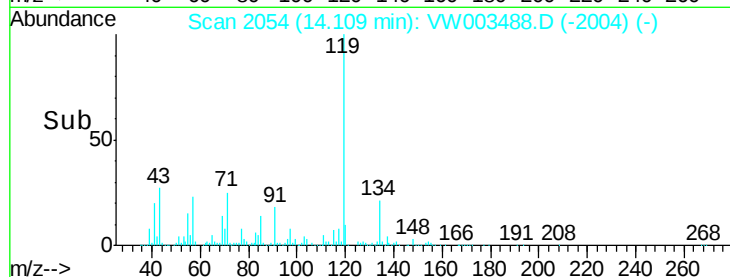
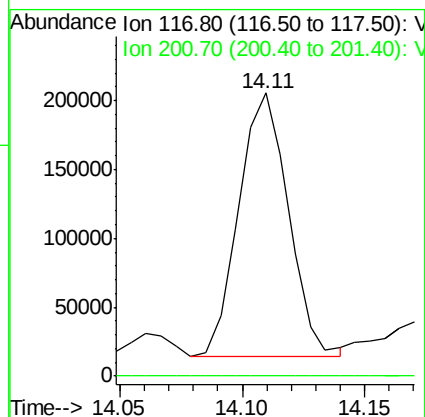
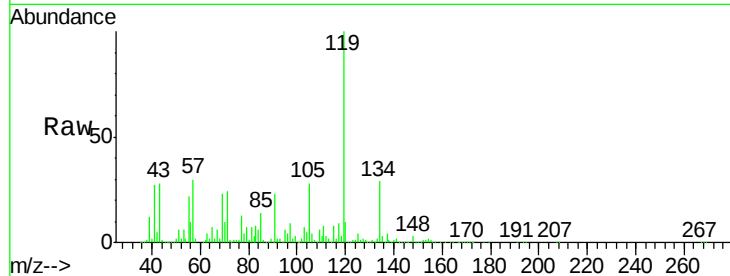
WP021SB487-23-25-180621

Tgt Ion:117 Resp: 269975

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



#91

1,2-Dichlorobenzene

Concen: 200.205 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

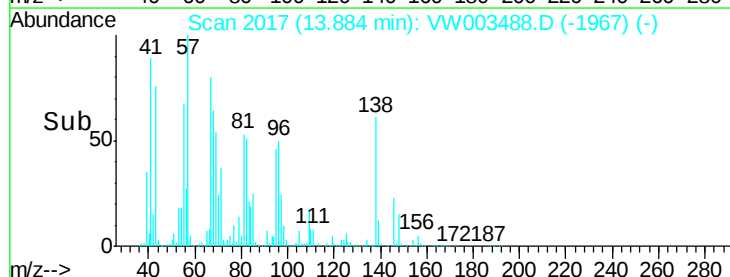
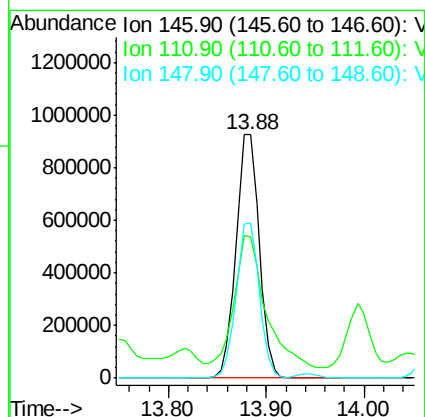
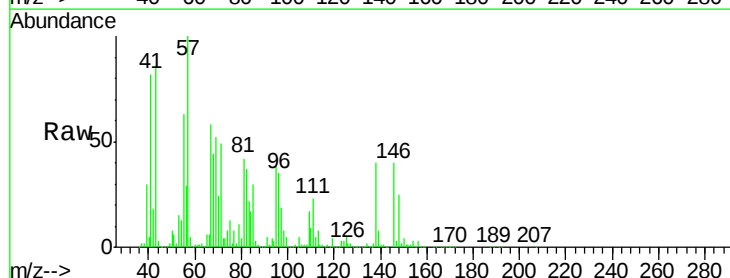
Tgt Ion:146 Resp: 1525262

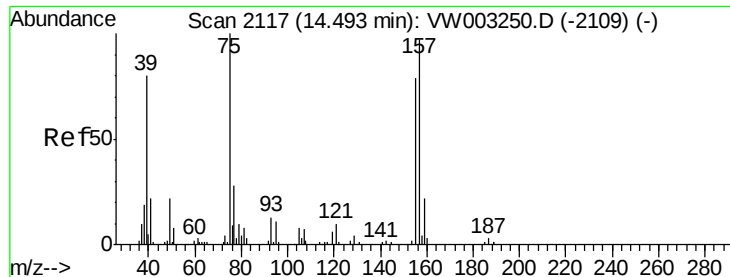
Ion Ratio Lower Upper

146 100

111 73.6 20.3 61.0#

148 63.7 32.3 96.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.885 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

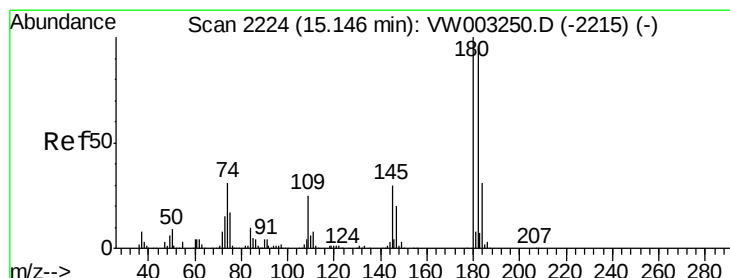
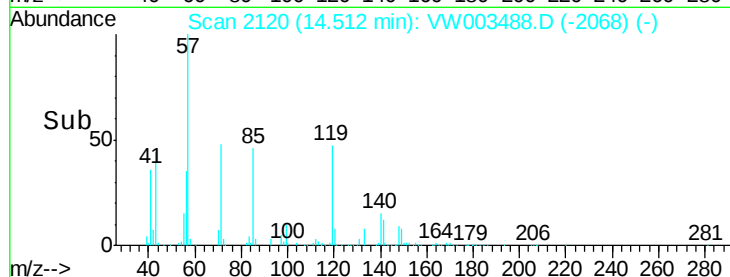
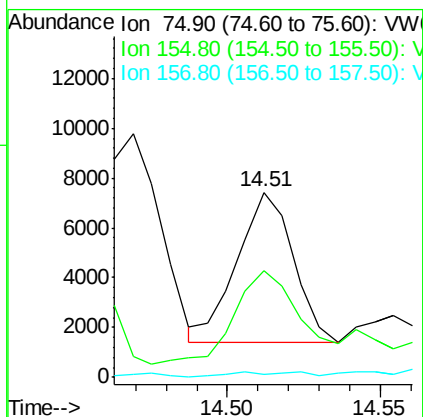
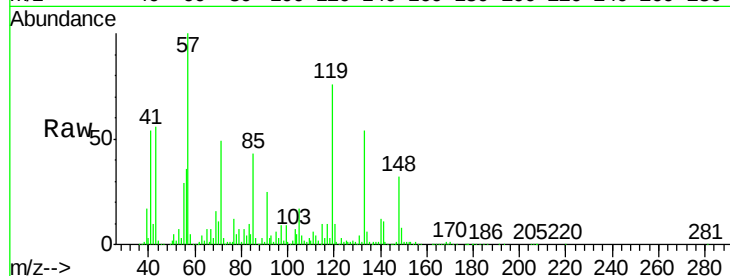
Tgt Ion: 75 Resp: 7704

Ion Ratio Lower Upper

75 100

155 72.8 39.4 118.2

157 2.3 51.5 154.5#



#93

1,2,4-Trichlorobenzene

Concen: 7.714 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

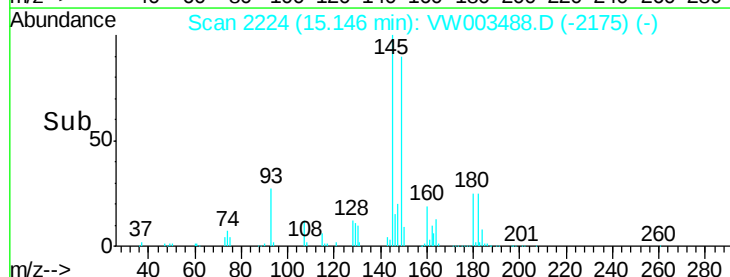
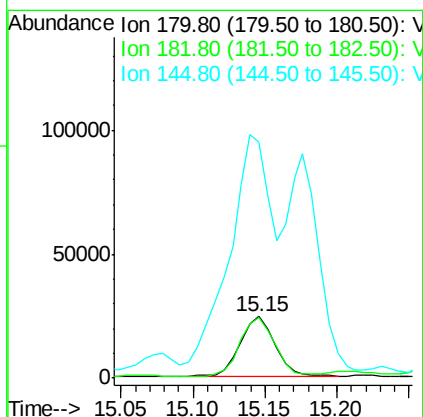
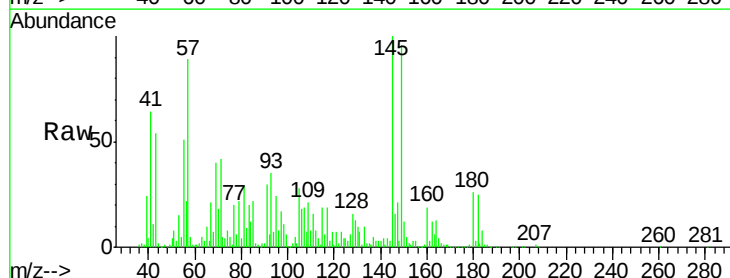
Tgt Ion: 180 Resp: 41256

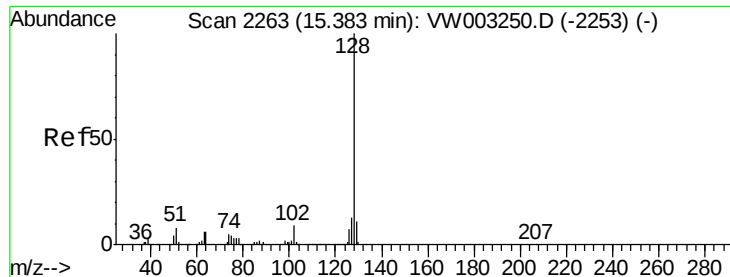
Ion Ratio Lower Upper

180 100

182 98.9 47.9 143.6

145 484.5 15.2 45.5#

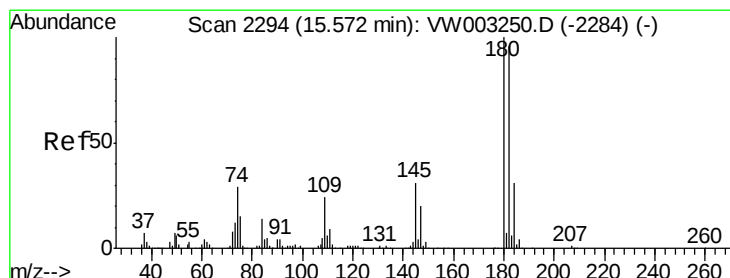
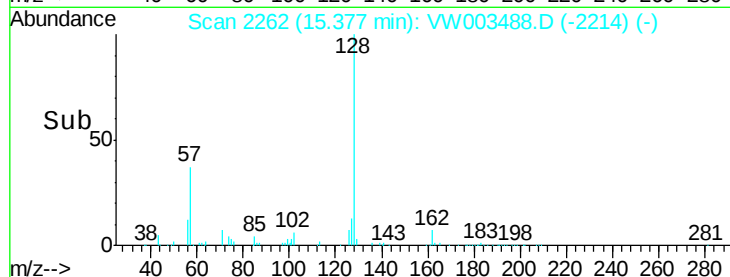
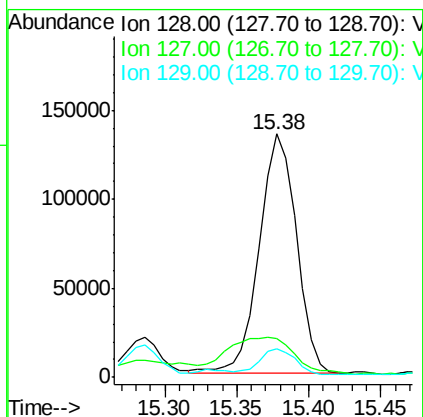
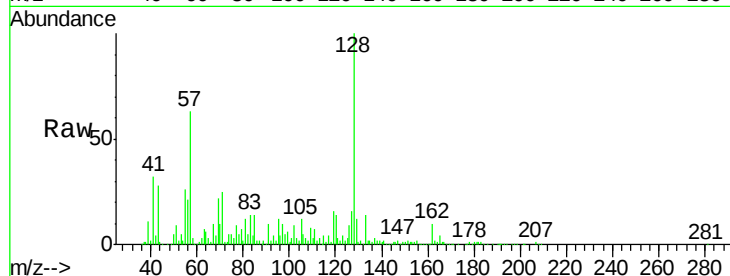




#95
Naphthalene
Concen: 26.585 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

Tgt Ion	Ratio	Lower	Upper
128	100		
127	27.6	10.5	15.7#
129	10.7	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.633 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	69.6	47.9	143.6
145	323.0	15.8	47.4#

