

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062418\
 Data File : VW003537.D
 Acq On : 25 Jun 2018 04:52
 Operator : SY/AP
 Sample : J3669-32
 Misc : 6.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

Quant Time: Jun 25 05:46:36 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	126919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	217813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	192030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	97371	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	87794	63.86	ug/l	0.00
Spiked Amount			Recovery	=	127.72%	
35) Dibromofluoromethane	7.88	113	72906	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
50) Toluene-d8	10.33	98	259878	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.63	95	97163	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	30228	21.388	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	18804	15.994	ug/l #	73
11) Tert butyl alcohol	5.26	59	698	9.467	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	2837027	2469.289	ug/l	97
16) Acetone	4.15	43	51677	179.234	ug/l	94
18) Methyl Acetate	4.68	43	1123	1.642	ug/l #	60
20) Methylene Chloride	4.92	84	240071	207.581	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	6769	5.413	ug/l	87
24) 1,1-Dichloroethane	6.22	63	34705	14.595	ug/l	99
25) 2-Butanone	7.19	43	10890	30.375	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	22678974	16510.517	ug/l	81
28) Bromochloromethane	7.67	49	4831	4.882	ug/l #	15
29) Tetrahydrofuran	7.54	42	825	3.765	ug/l #	73
30) Chloroform	7.68	83	51417	21.225	ug/l	98
31) Cyclohexane	7.95	56	5329	2.399	ug/l #	19
32) 1,1,1-Trichloroethane	7.88	97	17707	8.855	ug/l	97
36) 1,1-Dichloropropene	7.96	75	10556	5.018	ug/l #	50
38) Carbon Tetrachloride	8.07	117	20890	10.124	ug/l	95
39) Methylcyclohexane	9.09	83	795723	326.931	ug/l #	1
40) Benzene	8.33	78	37874	6.532	ug/l	99
42) 1,2-Dichloroethane	8.40	62	30740	16.922	ug/l	100
48) Methyl methacrylate	9.44	41	3468	4.265	ug/l #	27
51) 4-Methyl-2-Pentanone	10.22	43	212180	240.648	ug/l	100
52) Toluene	10.40	92	9428590	2535.828	ug/l	89
53) t-1,3-Dichloropropene	10.40	75	119412	60.337	ug/l #	1
55) 1,1,2-Trichloroethane	10.79	97	68932	64.720	ug/l	97
59) 2-Hexanone	10.84	43	20020	32.503	ug/l	78
60) Dibromochloromethane	10.87	129	41880	33.065	ug/l #	10
64) Tetrachloroethene	10.87	164	54965	42.794	ug/l	98
65) Chlorobenzene	11.66	112	21258	5.316	ug/l	96
67) Ethyl Benzene	11.74	91	68796	9.705	ug/l	100
68) m/p-Xylenes	11.84	106	107674	39.959	ug/l	98
69) o-Xylene	12.17	106	40447	16.196	ug/l	97
70) Styrene	12.19	104	164912	39.674	ug/l	95

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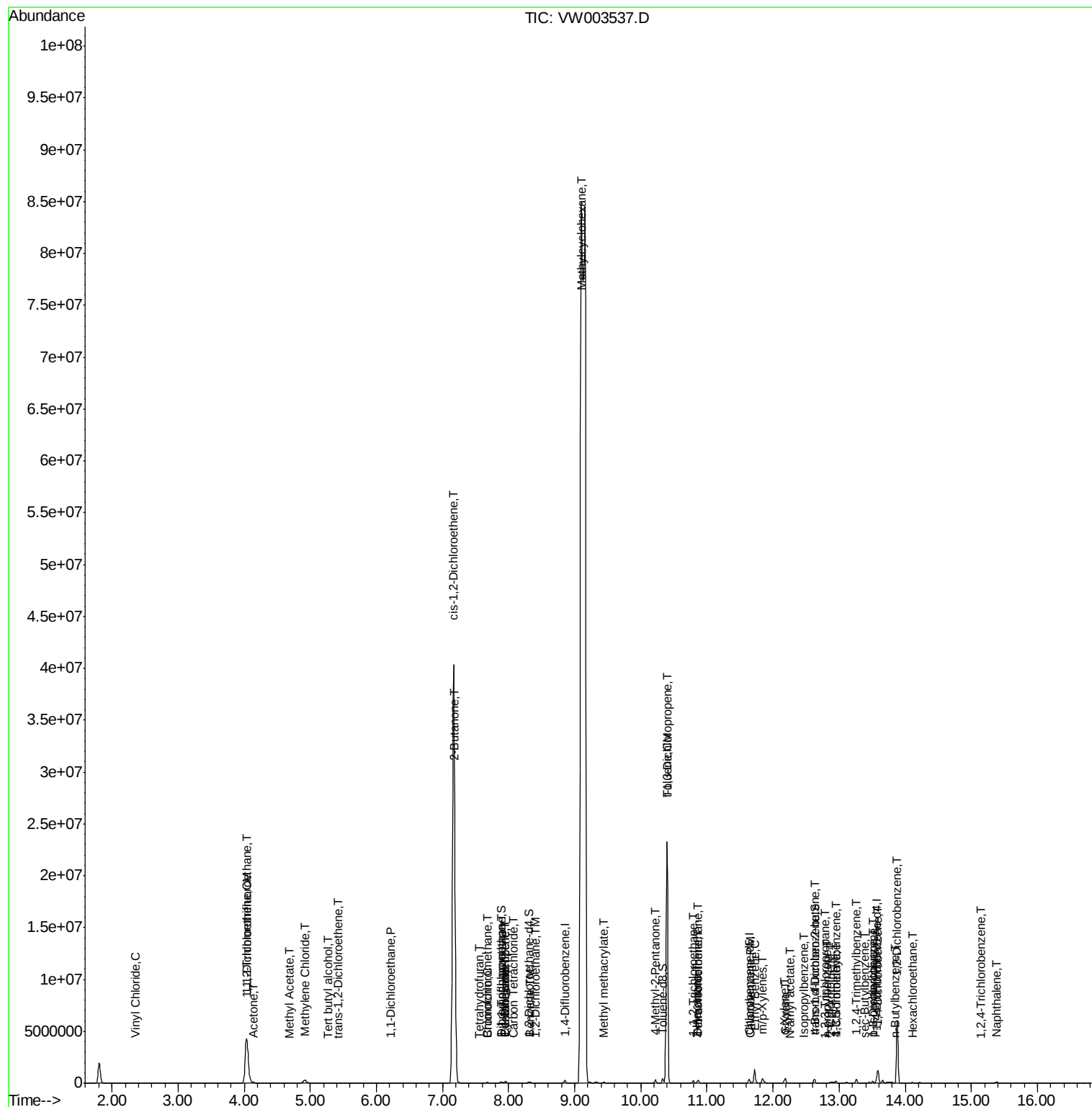
73) Isopropylbenzene	12.47	105	9714	1.434	ug/l	100
74) N-amyl acetate	12.26	43	2507	1.626	ug/l #	57
76) 1,2,3-Trichloropropane	12.77	75	1905	2.289	ug/l #	100
78) n-propylbenzene	12.81	91	24469	2.951	ug/l	99
79) 2-Chlorotoluene	12.88	91	10108	2.157	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	73161	12.870	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	52091	143.997	ug/l #	9
82) 4-Chlorotoluene	12.95	91	8307	1.671	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.26	105	190960	32.656	ug/l	100
85) sec-Butylbenzene	13.39	105	11093	1.540	ug/l #	51
86) p-Isopropyltoluene	13.51	119	10066	1.585	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	59078	18.233	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	413523	128.376	ug/l	100
89) n-Butylbenzene	13.83	91	7835	1.266	ug/l #	69
90) Hexachloroethane	14.11	117	2329	2.027	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	2321447	817.910	ug/l	99
93) 1,2,4-Trichlorobenzene	15.15	180	4258	2.137	ug/l #	87
95) Naphthalene	15.38	128	110229	32.613	ug/l	99

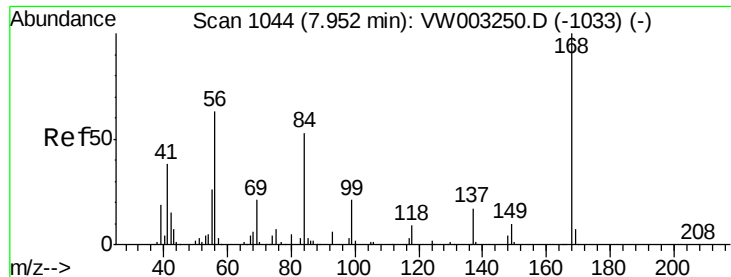
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

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ClientSampleId :

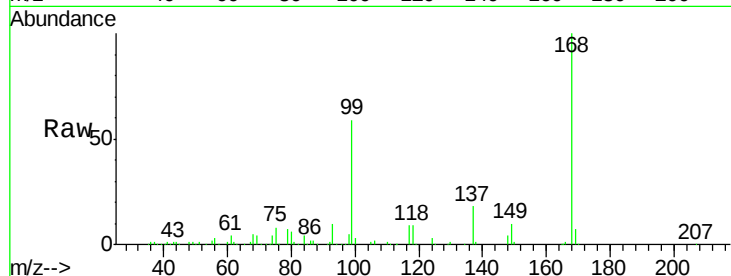
WP021SB474-35-37-180620

Tgt Ion:168 Resp: 126919

Ion Ratio Lower Upper

168 100

99 58.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

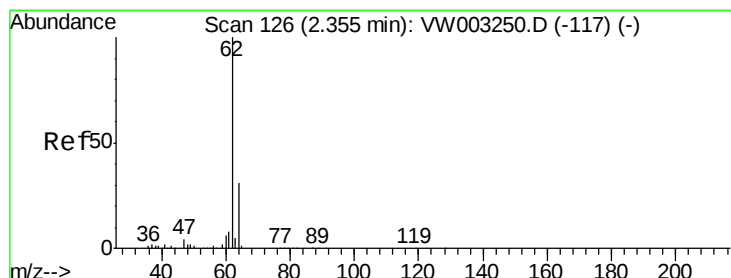
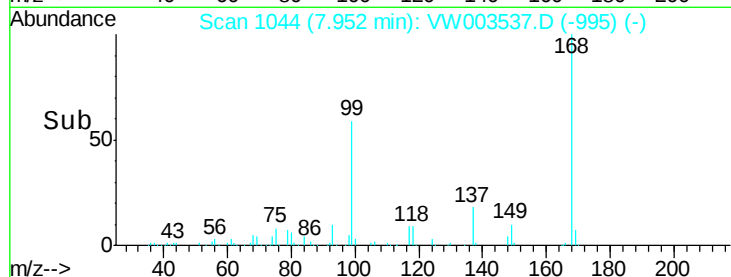
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 21.388 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003537.D

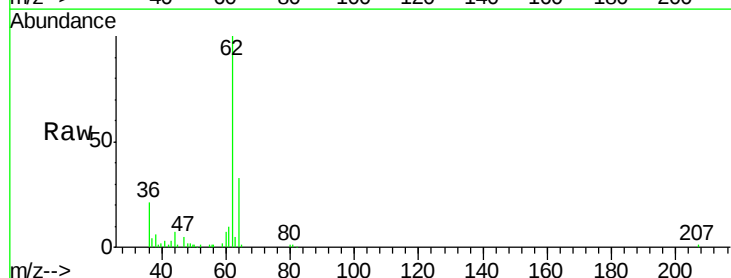
Acq: 25 Jun 2018 04:52

Tgt Ion: 62 Resp: 30228

Ion Ratio Lower Upper

62 100

64 33.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

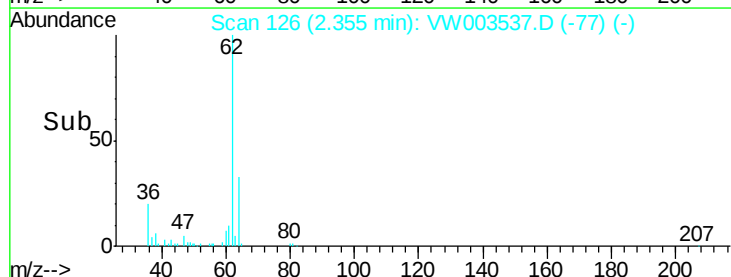
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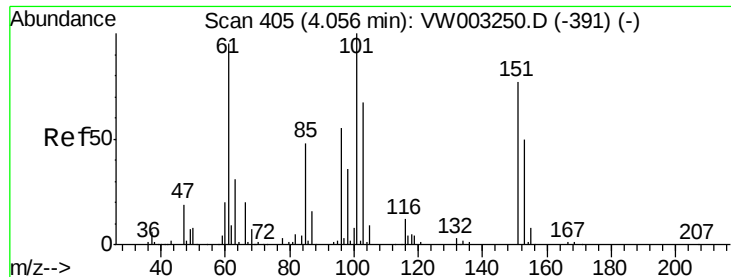
10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.994 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

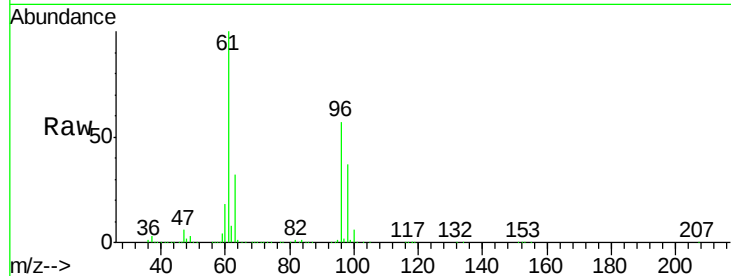
Tgt Ion:101 Resp: 18804

Ion Ratio Lower Upper

101 100

85 37.3 37.0 55.6

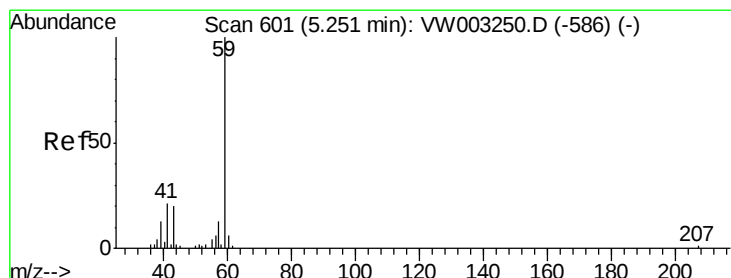
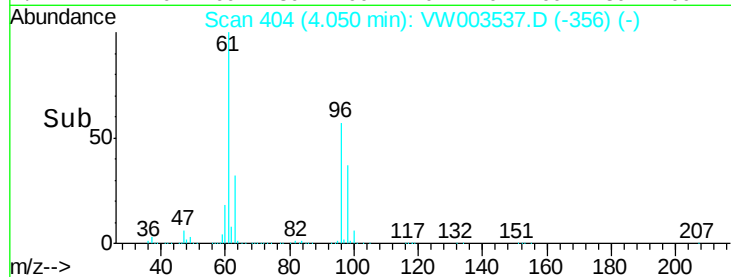
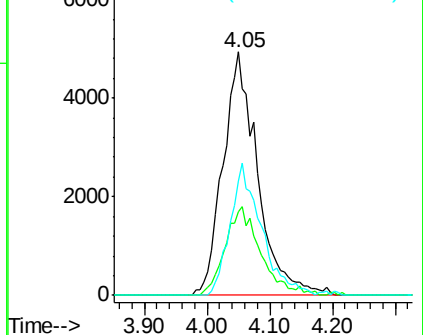
151 49.0 63.3 94.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 9.467 ug/l

RT: 5.26 min Scan# 603

Delta R.T. 0.01 min

Lab File: VW003537.D

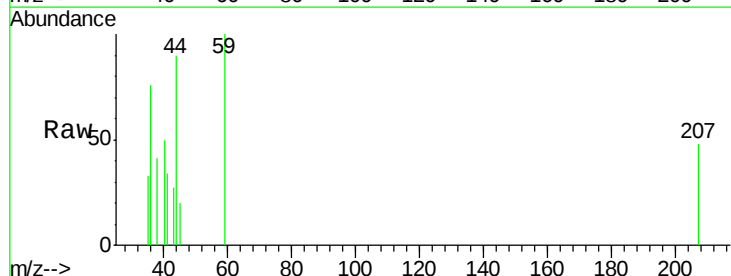
Acq: 25 Jun 2018 04:52

Tgt Ion: 59 Resp: 698

Ion Ratio Lower Upper

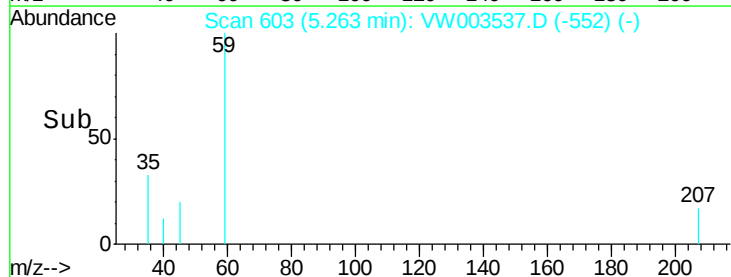
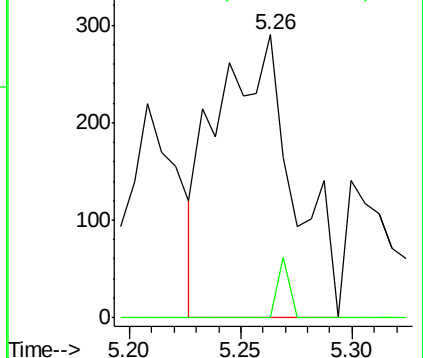
59 100

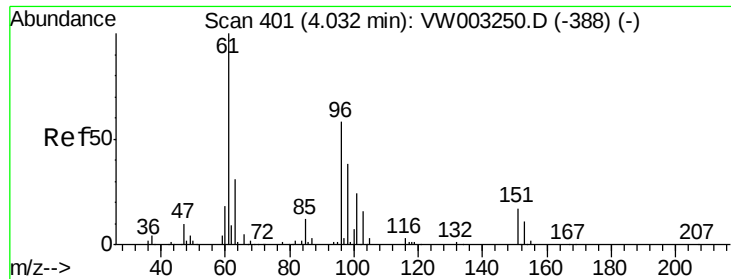
57 3.3 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 2469.289 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

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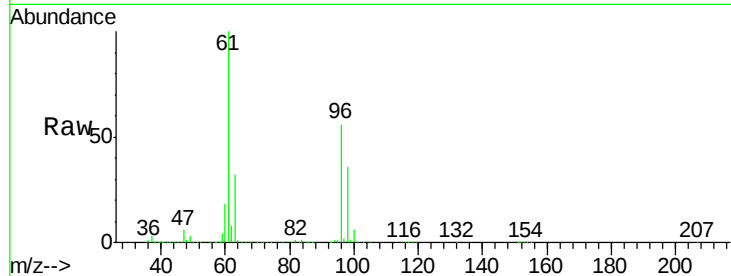
Tgt Ion: 96 Resp: 2837027

Ion Ratio Lower Upper

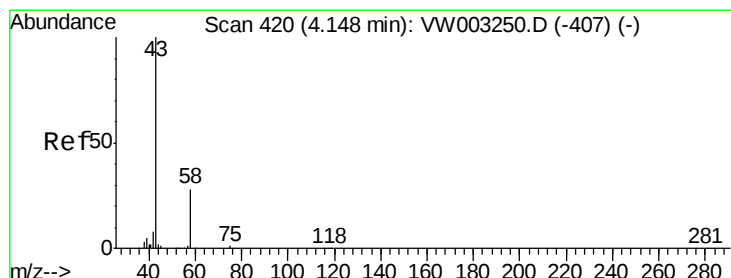
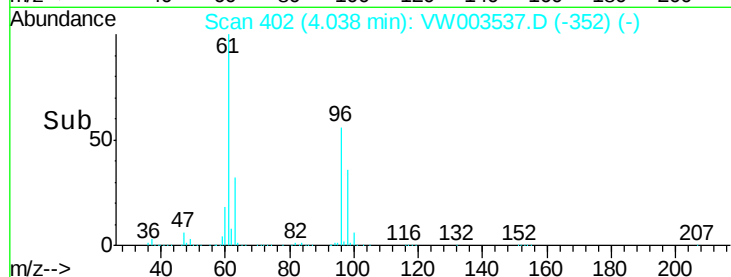
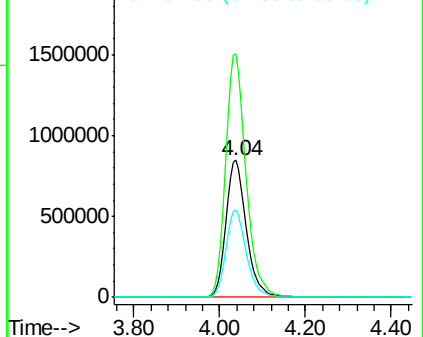
96 100

61 177.9 139.0 208.4

98 64.4 53.3 79.9



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



#16

Acetone

Concen: 179.234 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003537.D

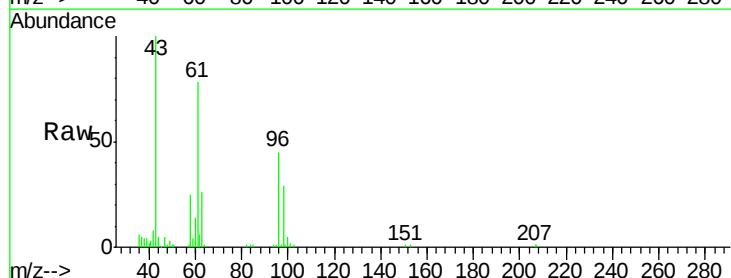
Acq: 25 Jun 2018 04:52

Tgt Ion: 43 Resp: 51677

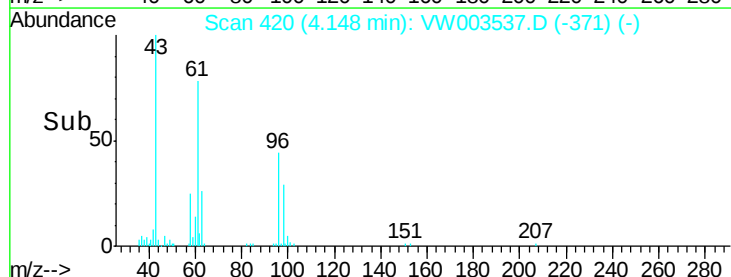
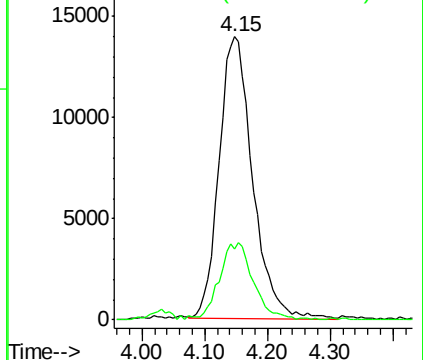
Ion Ratio Lower Upper

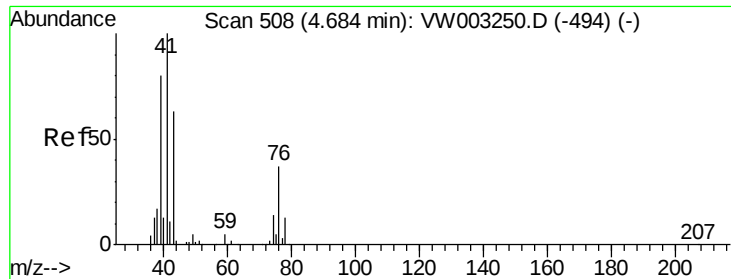
43 100

58 25.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

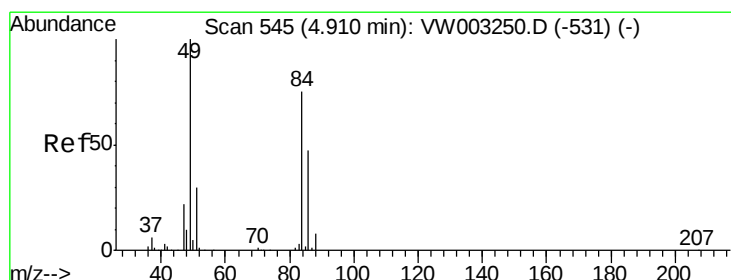
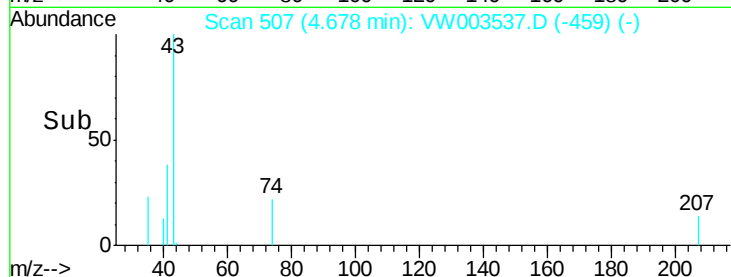
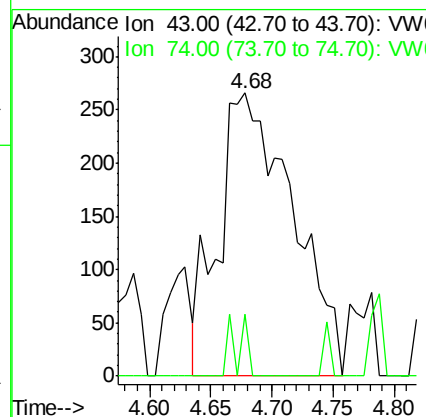
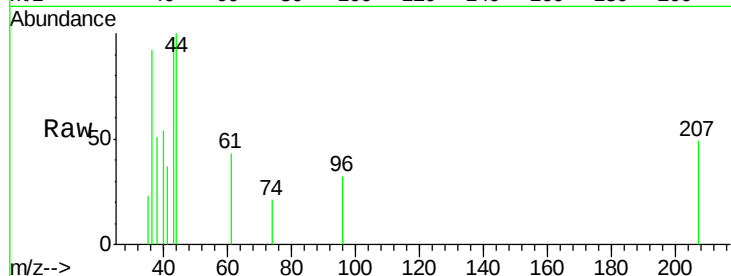




#18
Methyl Acetate
Concen: 1.642 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

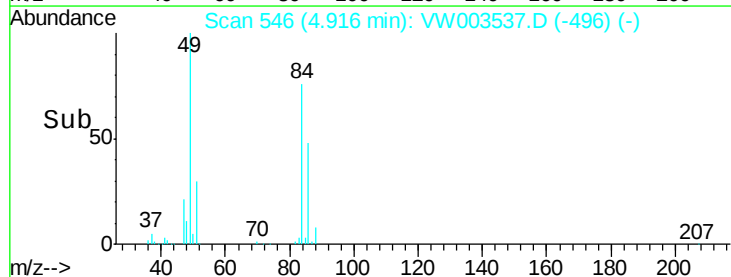
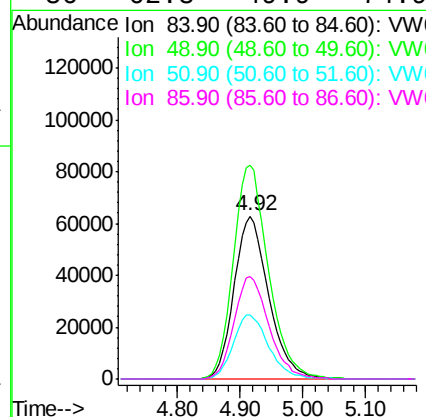
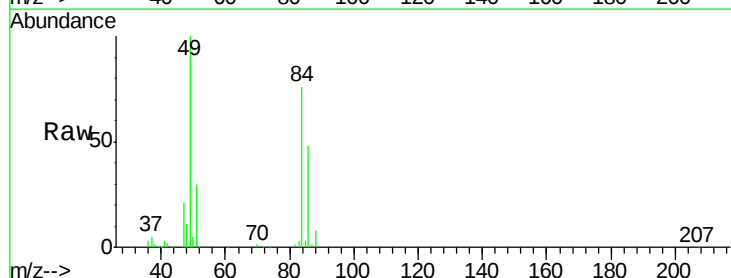
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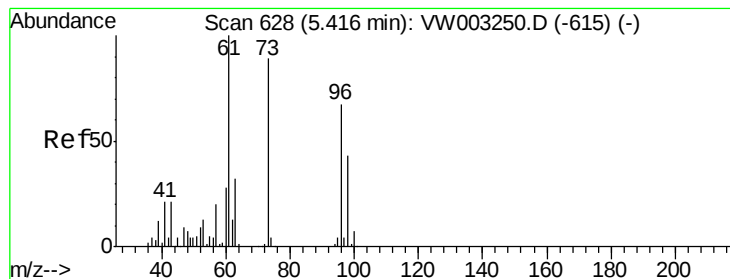
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
74 3.7 18.7 28.1#



#20
Methylene Chloride
Concen: 207.581 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion: 84 Resp: 240071
Ion Ratio Lower Upper
84 100
49 130.9 106.3 159.5
51 39.6 32.0 48.0
86 62.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.413 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

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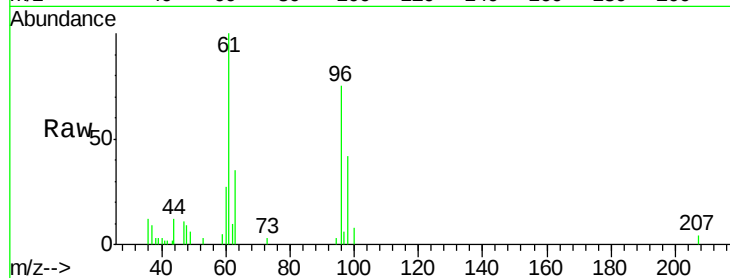
Tgt Ion: 96 Resp: 6769

Ion Ratio Lower Upper

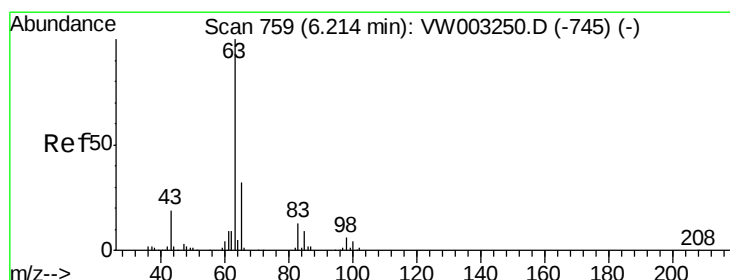
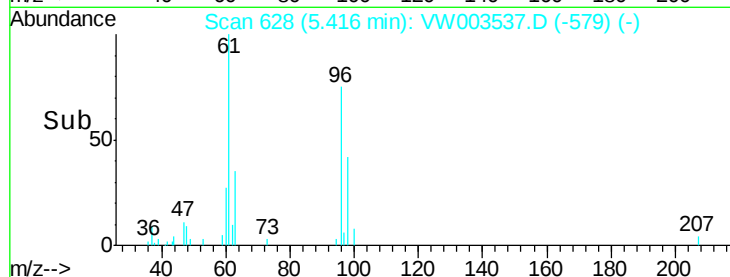
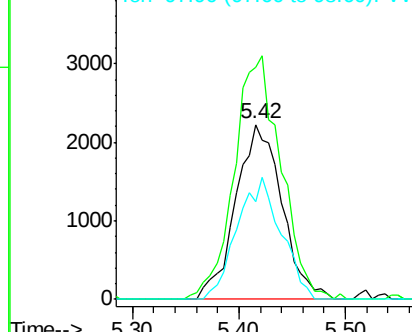
96 100

61 130.2 118.7 178.1

98 55.9 51.0 76.6



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



#24

1,1-Dichloroethane

Concen: 14.595 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

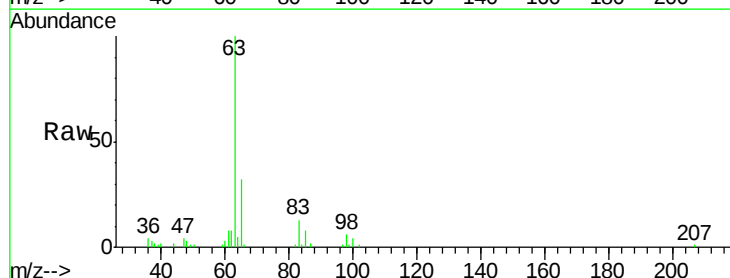
Tgt Ion: 63 Resp: 34705

Ion Ratio Lower Upper

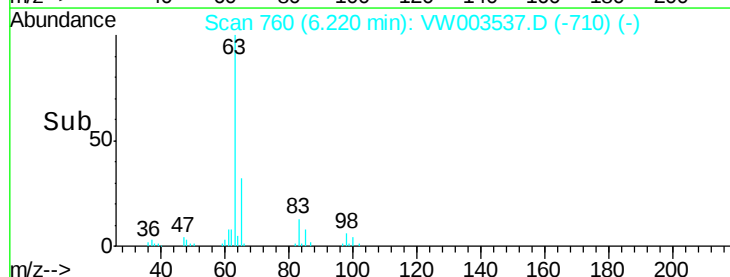
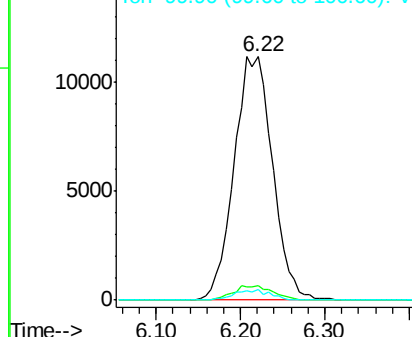
63 100

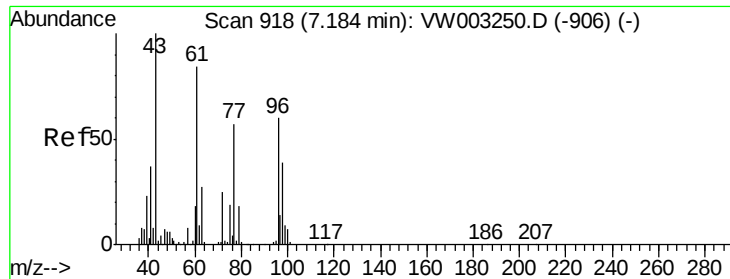
98 5.8 2.8 8.3

100 4.5 2.1 6.5



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





#25

2-Butanone

Concen: 30.375 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

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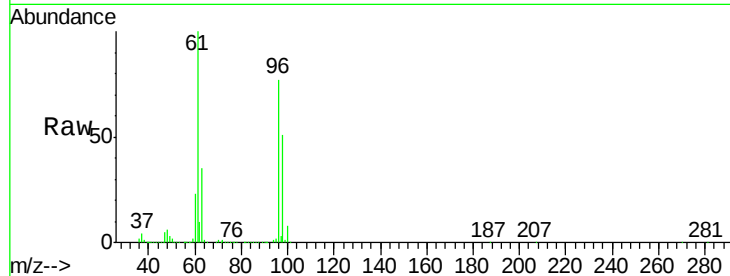
WP021SB474-35-37-180620

Tgt Ion: 43 Resp: 10890

Ion Ratio Lower Upper

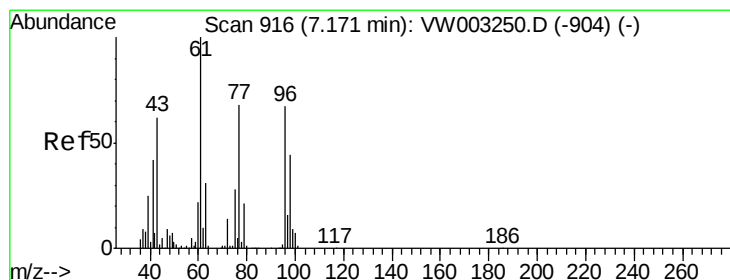
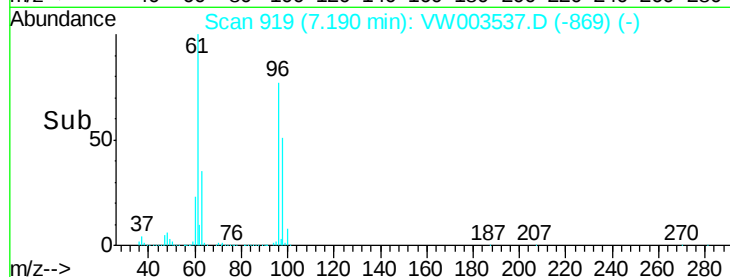
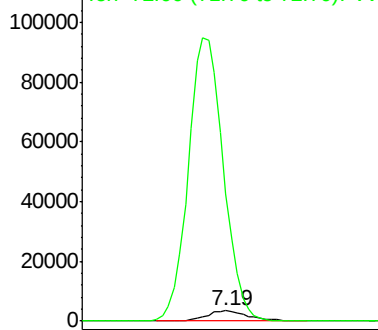
43 100

72 1222.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 16510.517 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

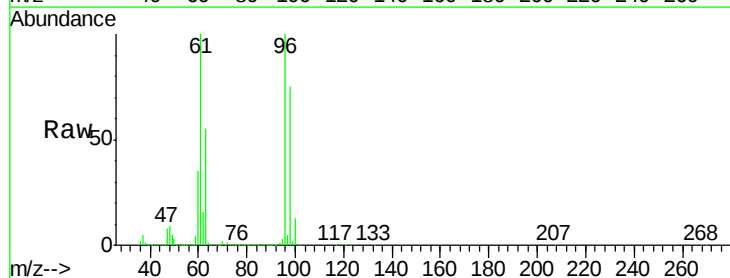
Tgt Ion: 96 Resp: 22678974

Ion Ratio Lower Upper

96 100

61 117.9 0.0 298.8

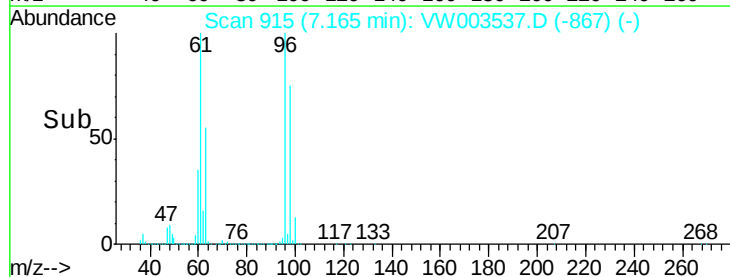
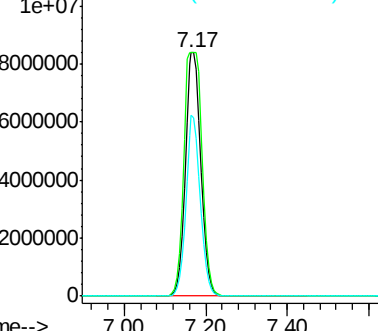
98 68.8 0.0 130.4

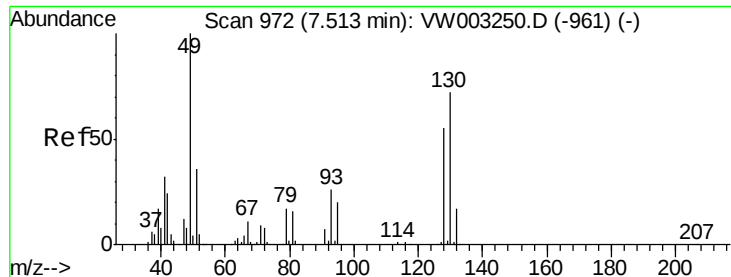


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 4.882 ug/l

RT: 7.67 min Scan# 998

Delta R.T. 0.16 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

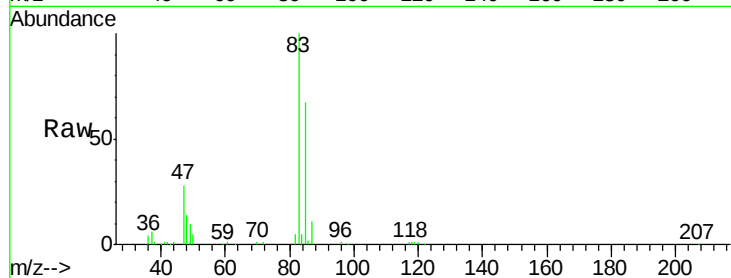
Tgt Ion: 49 Resp: 4831

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

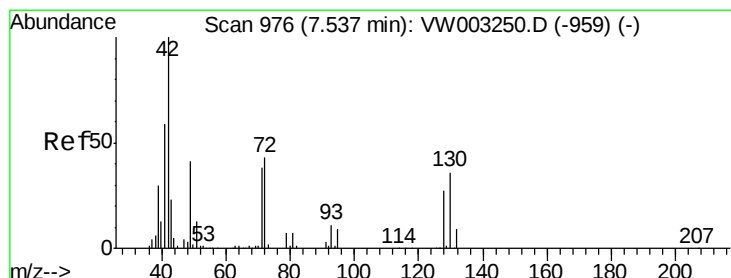
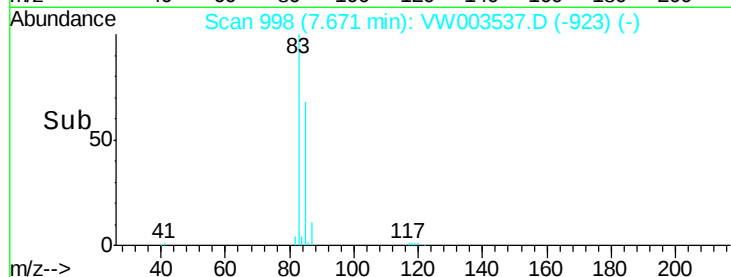
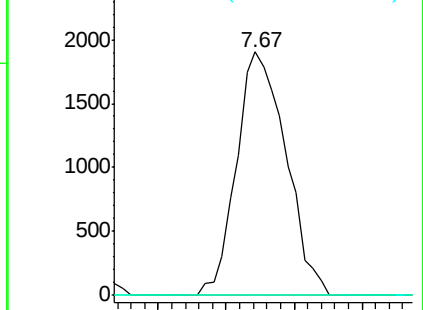
130 0.0 59.4 89.2#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 3.765 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

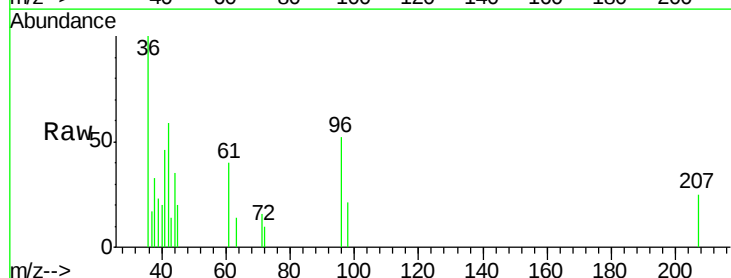
Tgt Ion: 42 Resp: 825

Ion Ratio Lower Upper

42 100

72 21.5 32.4 48.6#

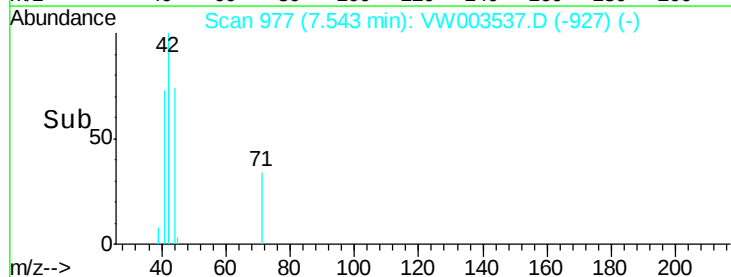
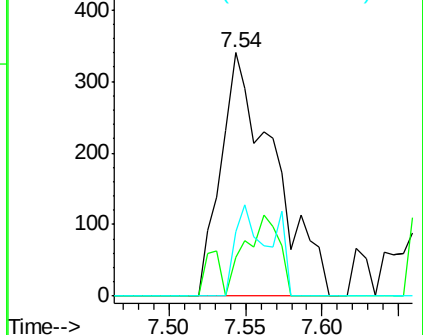
71 24.7 31.2 46.8#

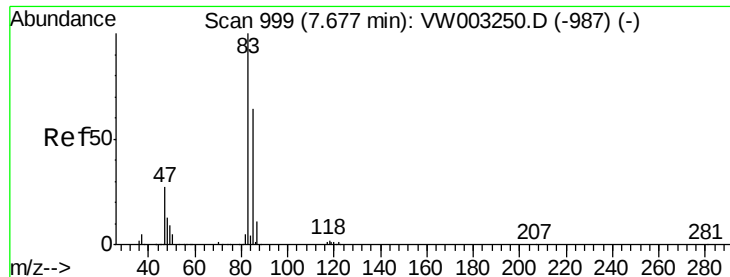


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#30

Chloroform

Concen: 21.225 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

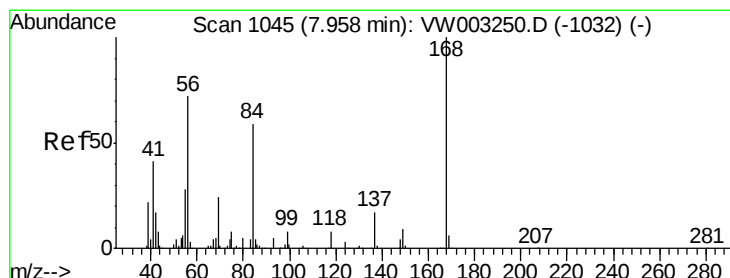
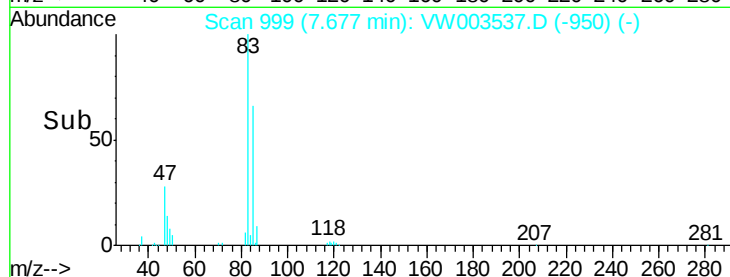
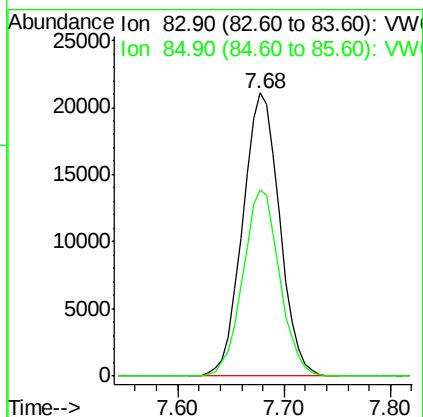
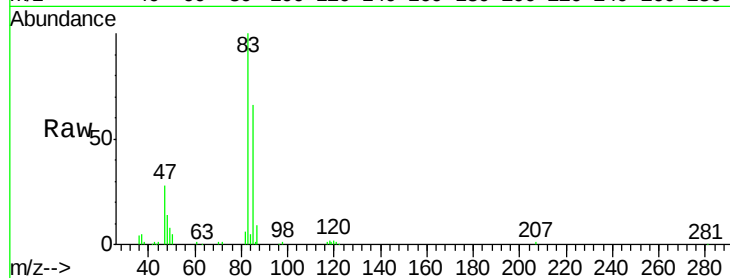
WP021SB474-35-37-180620

Tgt Ion: 83 Resp: 51417

Ion Ratio Lower Upper

83 100

85 65.9 51.3 76.9



#31

Cyclohexane

Concen: 2.399 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

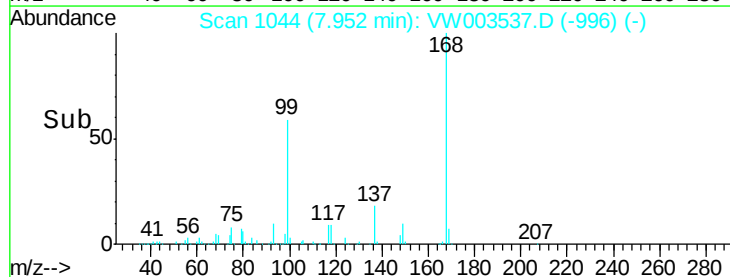
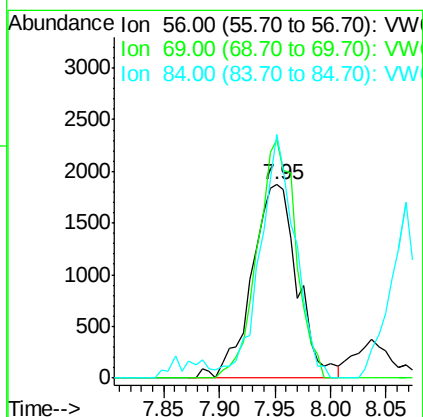
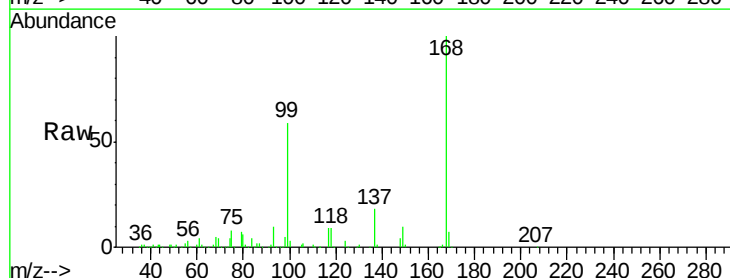
Tgt Ion: 56 Resp: 5329

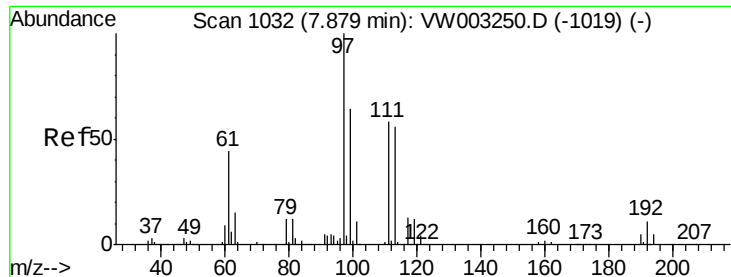
Ion Ratio Lower Upper

56 100

69 123.7 26.3 39.5#

84 126.1 65.7 98.5#





#32

1,1,1-Trichloroethane

Concen: 8.855 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

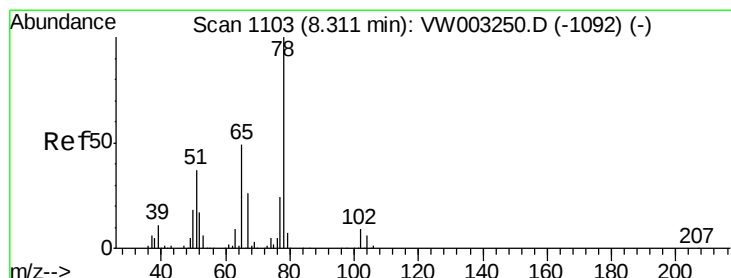
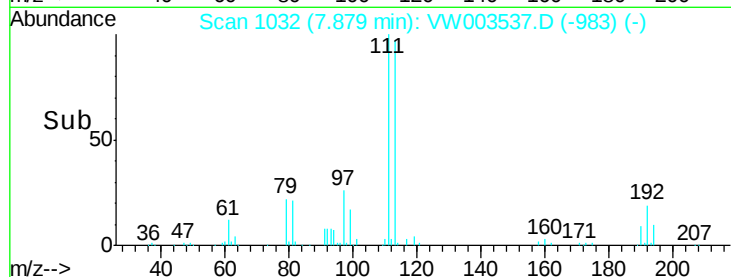
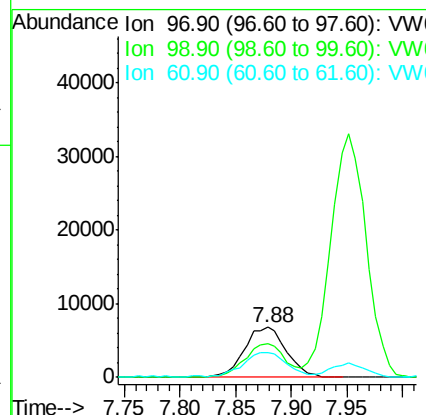
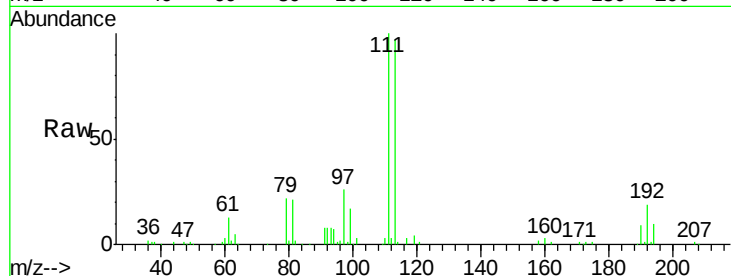
Tgt Ion: 97 Resp: 17707

Ion Ratio Lower Upper

97 100

99 66.1 51.7 77.5

61 50.8 37.6 56.4



#33

1,2-Dichloroethane-d4

Concen: 63.863 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003537.D

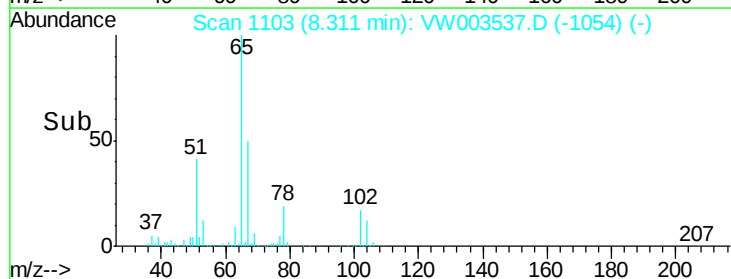
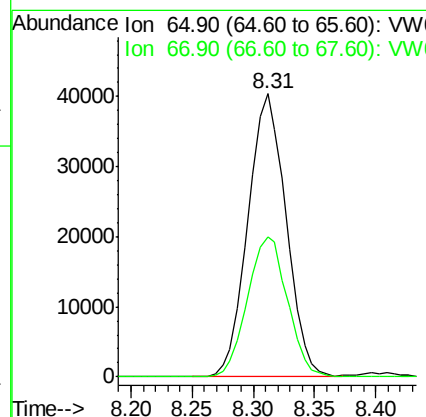
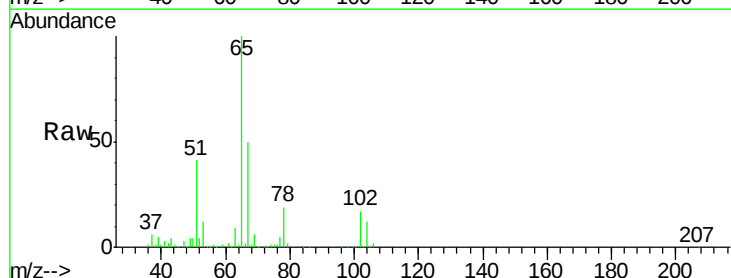
Acq: 25 Jun 2018 04:52

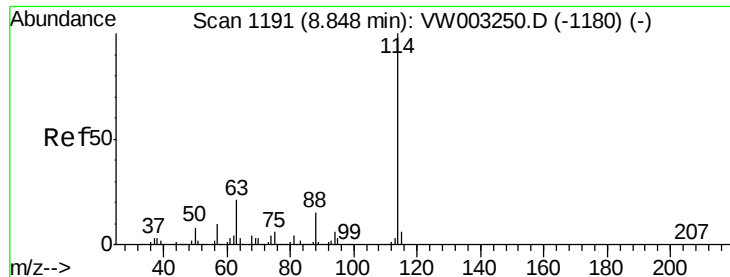
Tgt Ion: 65 Resp: 87794

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.2

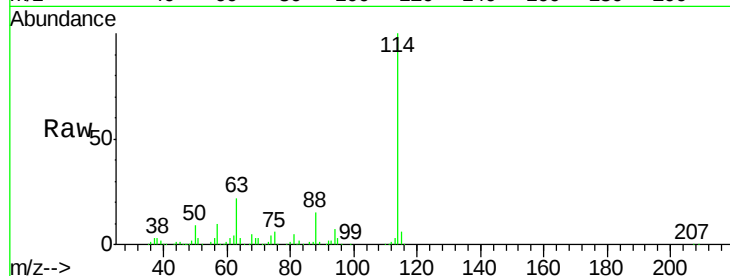




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

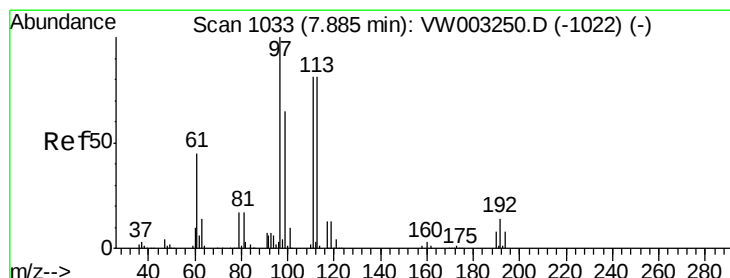
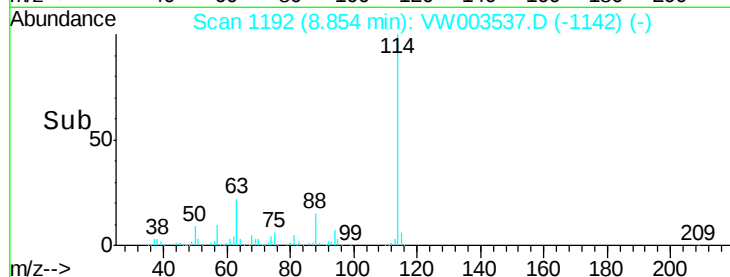
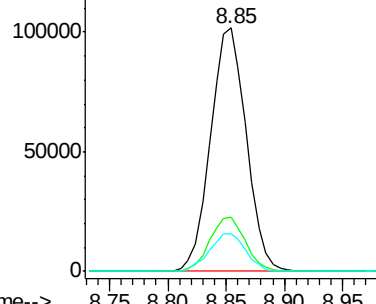
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.0
88	15.2	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

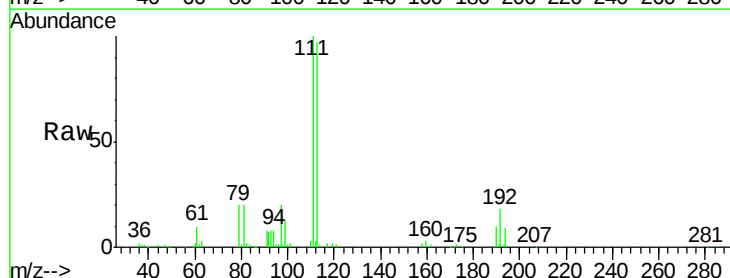
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 53.868 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

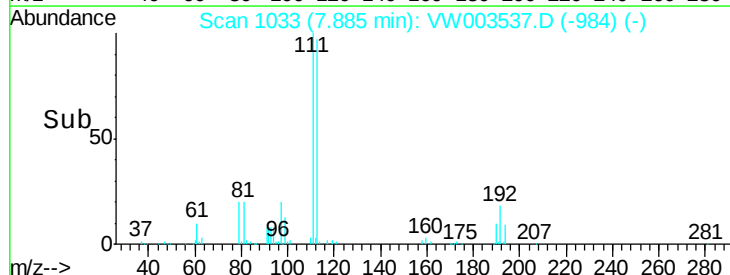
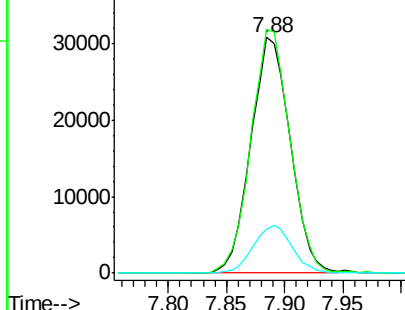
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	20.0	16.2	24.2

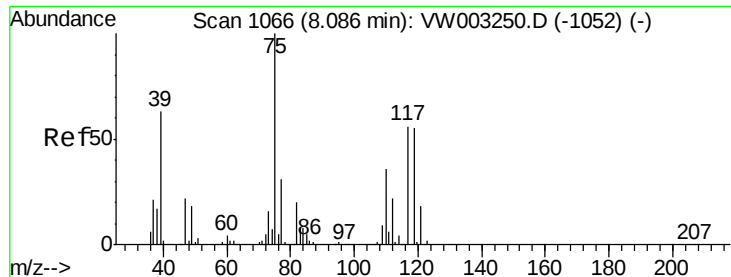


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

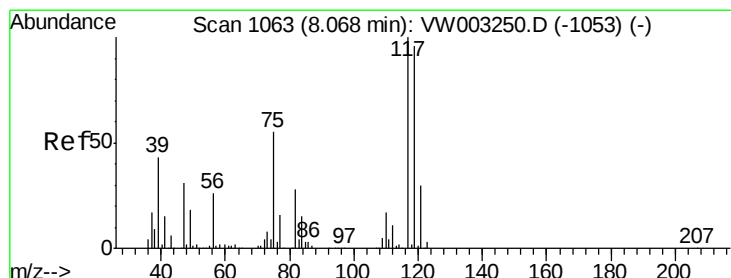
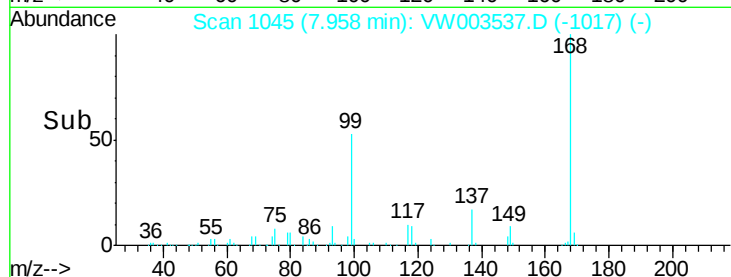
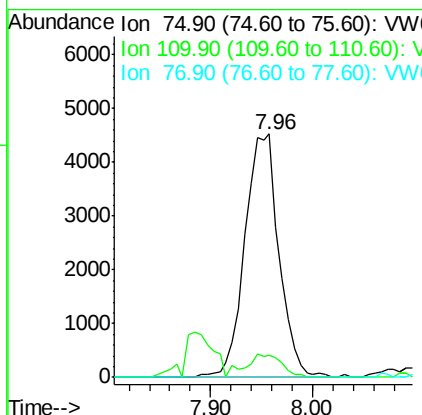
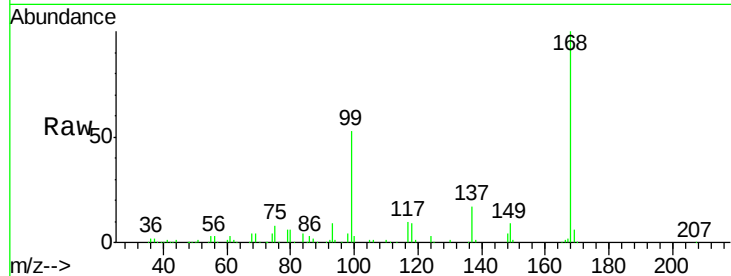




#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

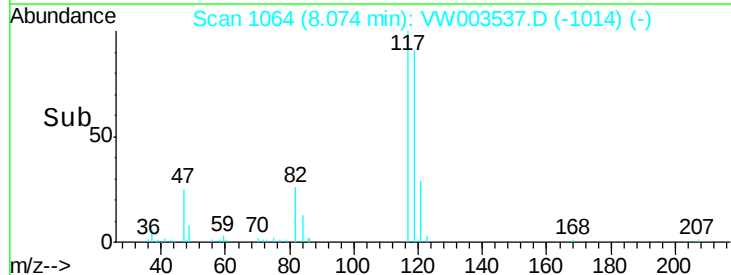
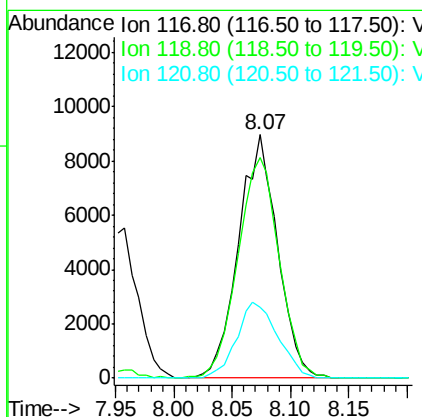
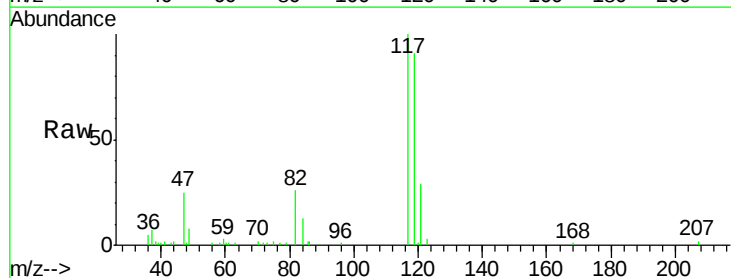
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

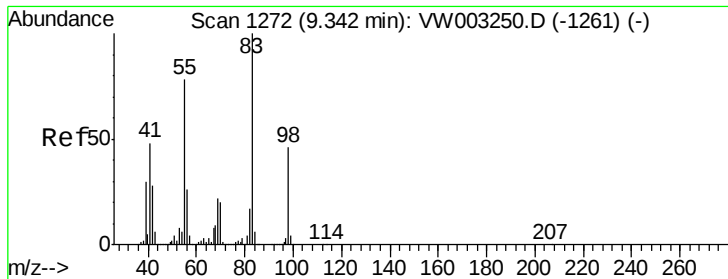
Tgt Ion: 75 Resp: 10556
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 10.124 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Tgt Ion: 117 Resp: 20890
 Ion Ratio Lower Upper
 117 100
 119 90.5 76.6 115.0
 121 28.9 23.9 35.9

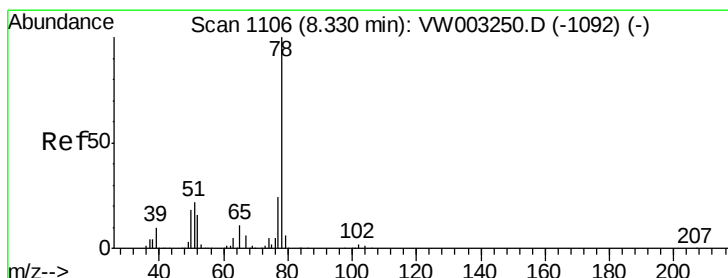
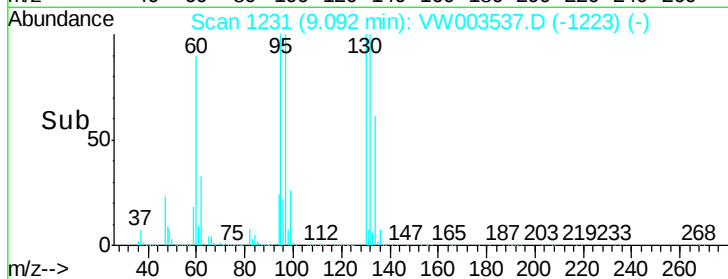
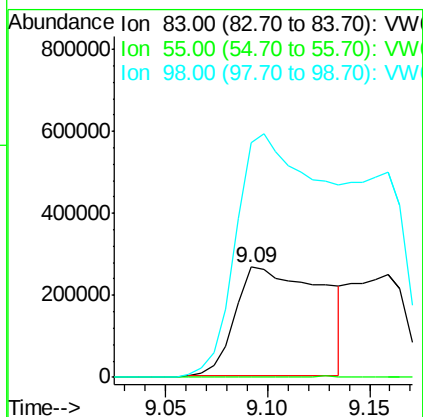
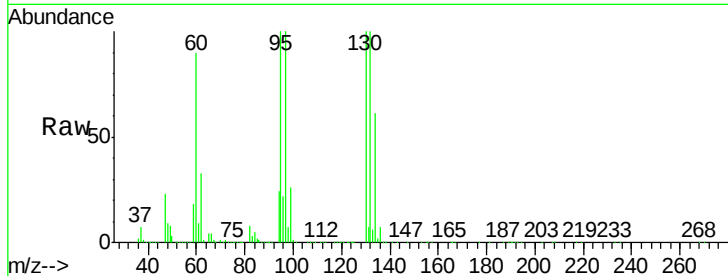




#39
Methylcyclohexane
Concen: 326.931 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.25 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

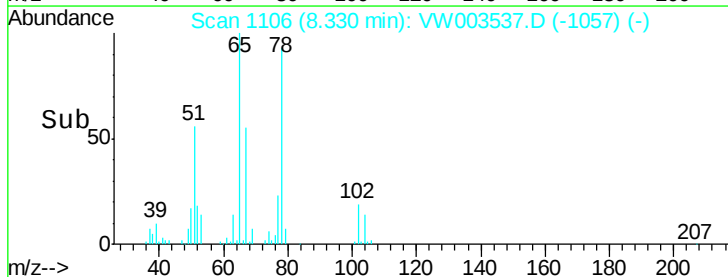
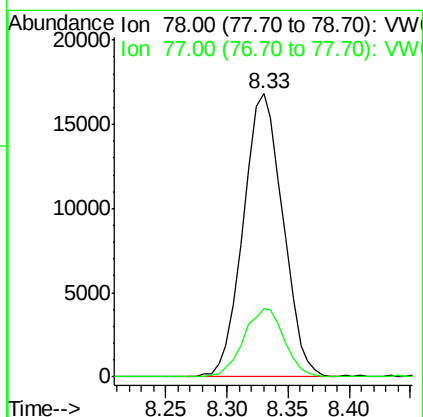
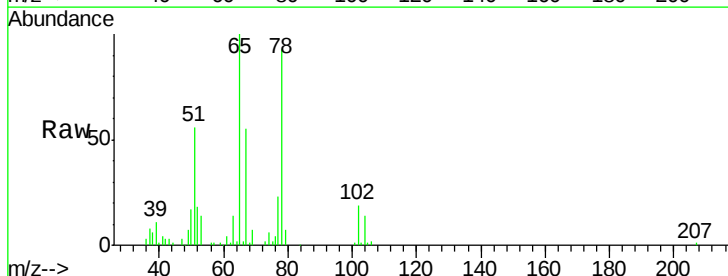
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

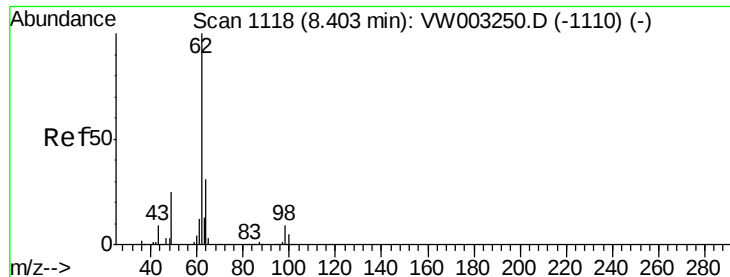
Tgt Ion: 83 Resp: 795723
Ion Ratio Lower Upper
83 100
55 0.4 62.6 93.8#
98 213.7 37.0 55.4#



#40
Benzene
Concen: 6.532 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion: 78 Resp: 37874
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6





#42

1,2-Dichloroethane

Concen: 16.922 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

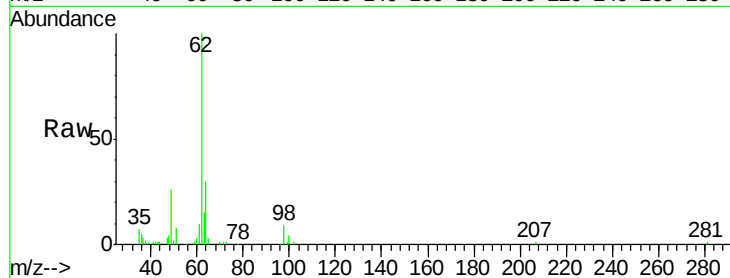
WP021SB474-35-37-180620

Tgt Ion: 62 Resp: 30740

Ion Ratio Lower Upper

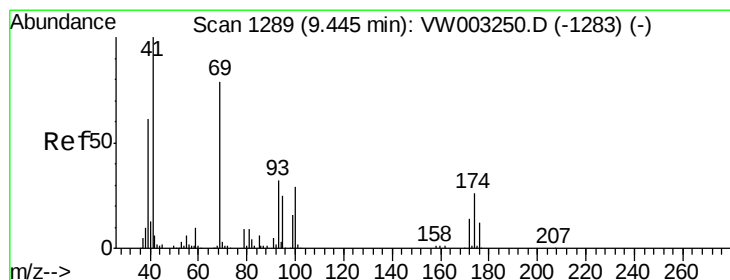
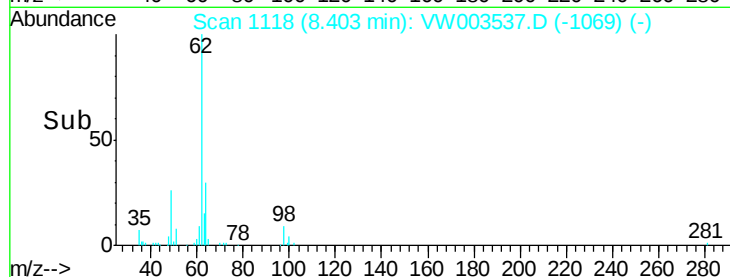
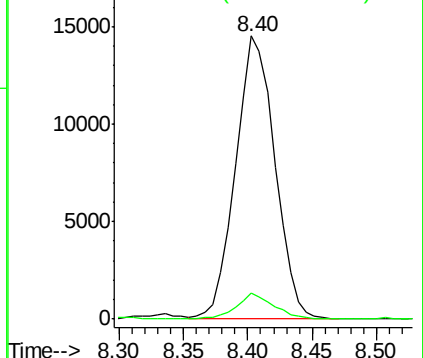
62 100

98 8.7 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#48

Methyl methacrylate

Concen: 4.265 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

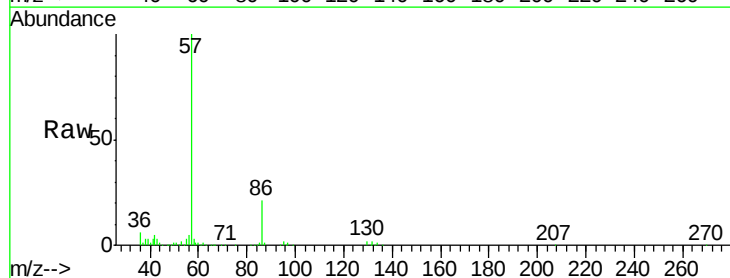
Tgt Ion: 41 Resp: 3468

Ion Ratio Lower Upper

41 100

69 5.4 65.4 98.2#

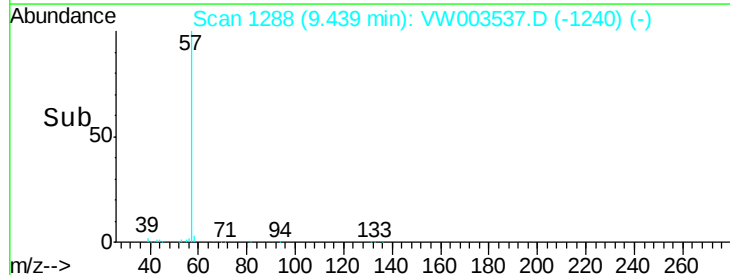
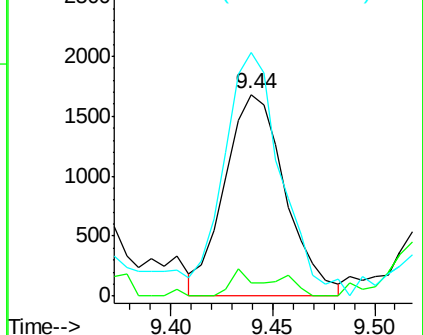
39 113.4 54.2 81.2#

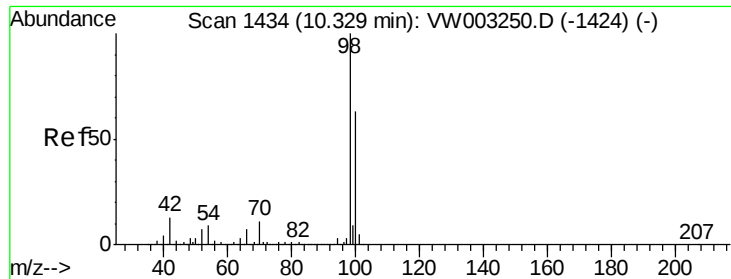


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 48.425 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

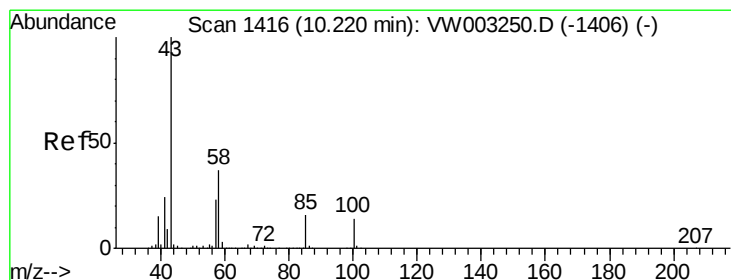
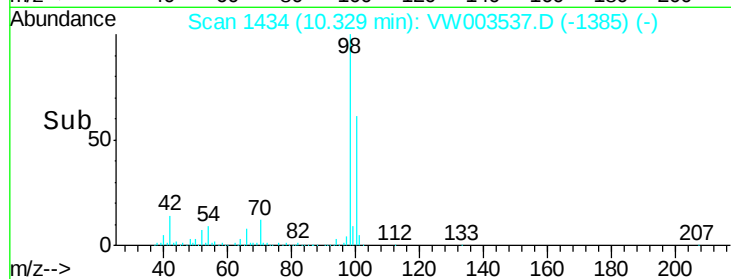
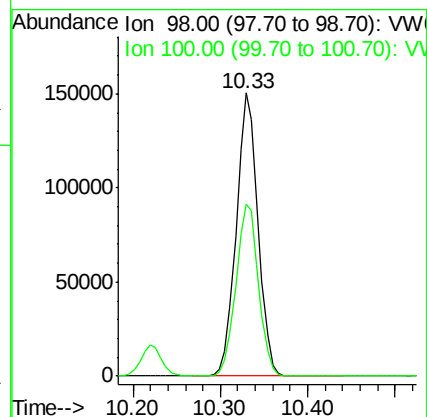
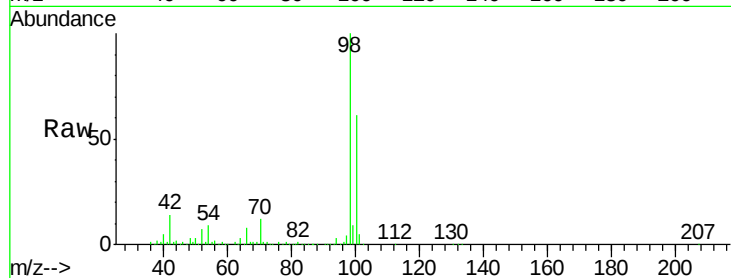
WP021SB474-35-37-180620

Tgt Ion: 98 Resp: 259878

Ion Ratio Lower Upper

98 100

100 63.0 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 240.648 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003537.D

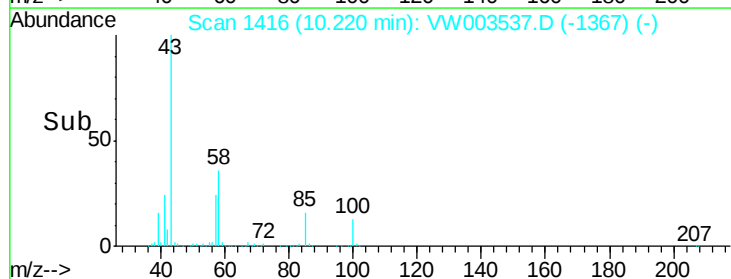
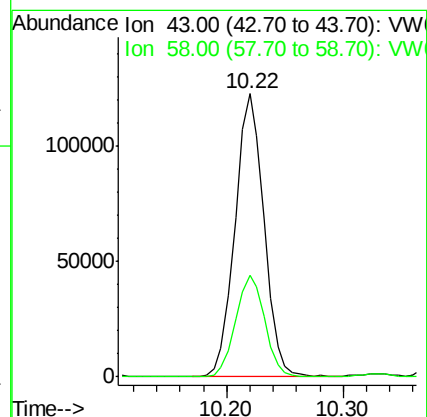
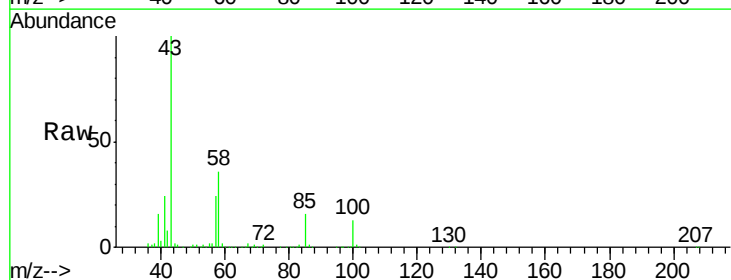
Acq: 25 Jun 2018 04:52

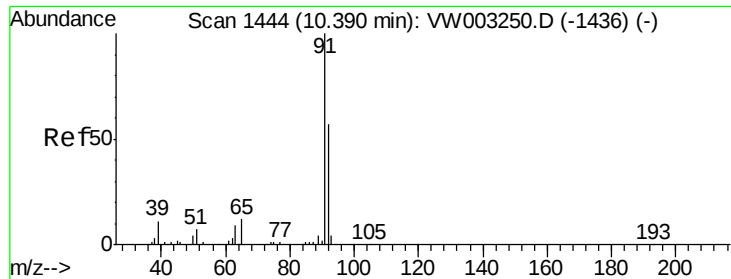
Tgt Ion: 43 Resp: 212180

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4





#52

Toluene

Concen: 2535.828 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

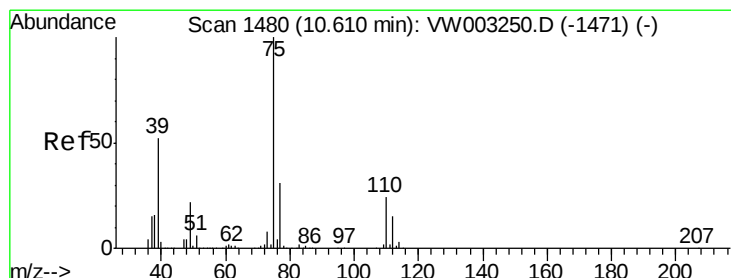
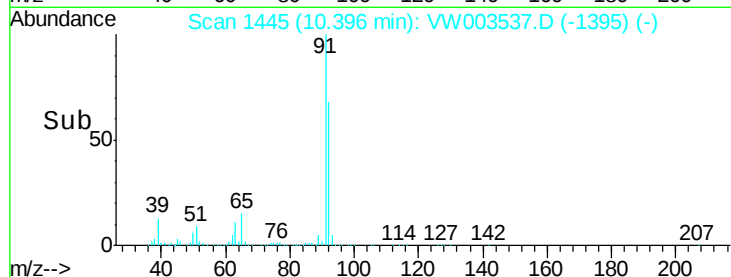
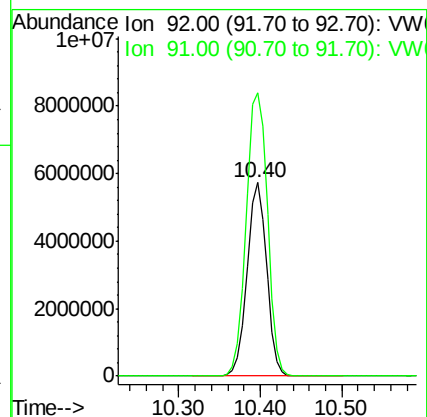
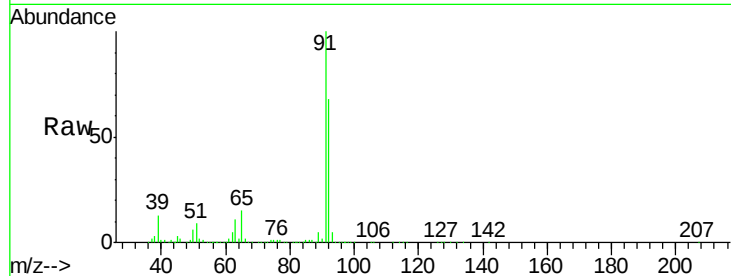
WP021SB474-35-37-180620

Tgt Ion: 92 Resp: 9428590

Ion Ratio Lower Upper

92 100

91 160.4 141.1 211.7



#53

t-1,3-Dichloropropene

Concen: 60.337 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.21 min

Lab File: VW003537.D

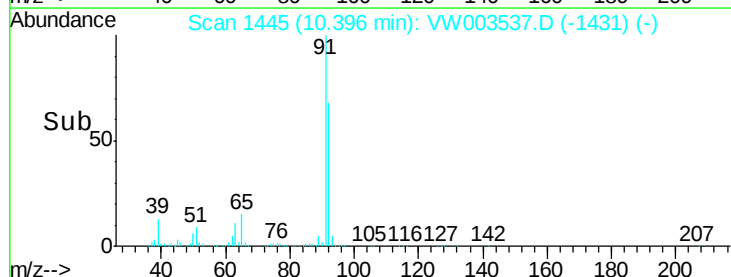
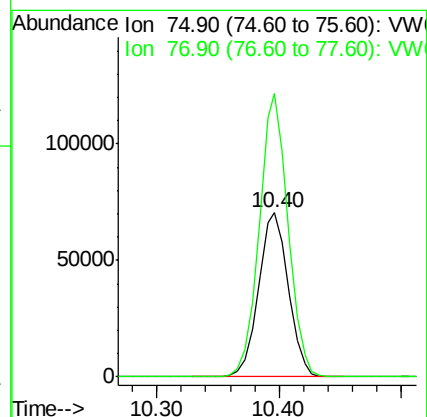
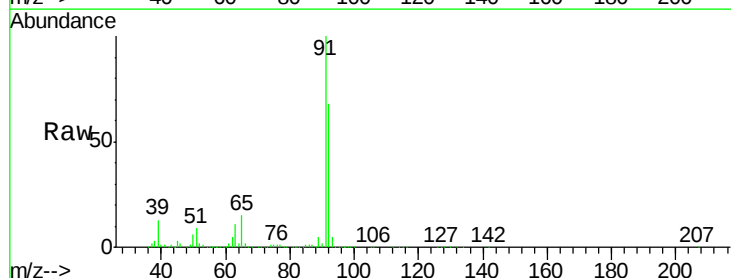
Acq: 25 Jun 2018 04:52

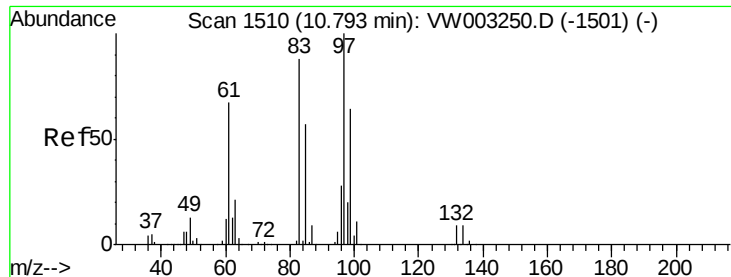
Tgt Ion: 75 Resp: 119412

Ion Ratio Lower Upper

75 100

77 172.8 24.9 37.3#



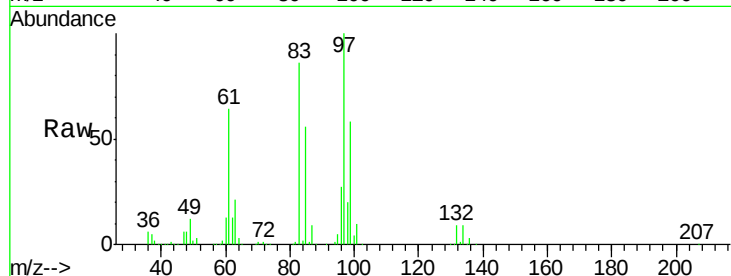


#55
 1,1,2-Trichloroethane
 Concen: 64.720 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

Tgt Ion: 97 Resp: 68932

Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.2	105.2
85	56.5	45.6	68.4
99	58.5	51.2	76.8



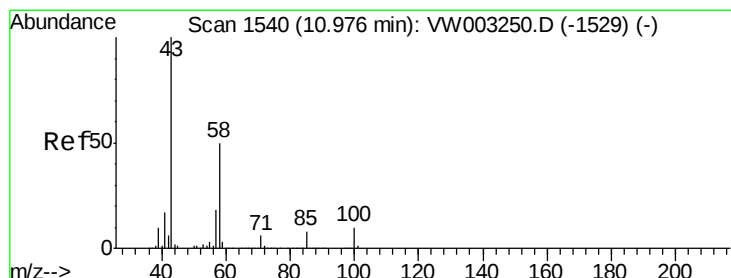
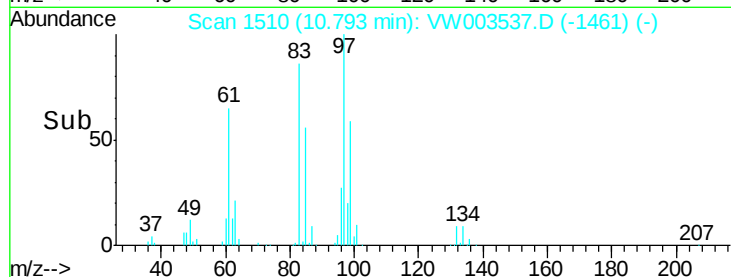
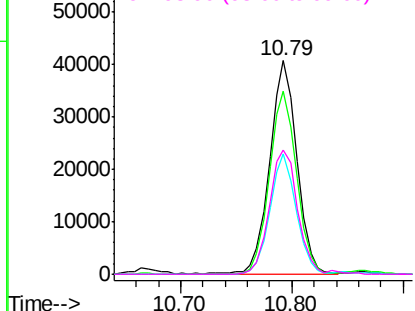
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

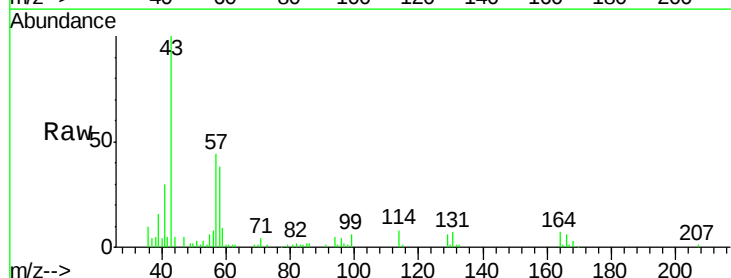
Ion 98.90 (98.60 to 99.60): VW



#59
 2-Hexanone
 Concen: 32.503 ug/l
 RT: 10.84 min Scan# 1517
 Delta R.T. -0.14 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Tgt Ion: 43 Resp: 20020

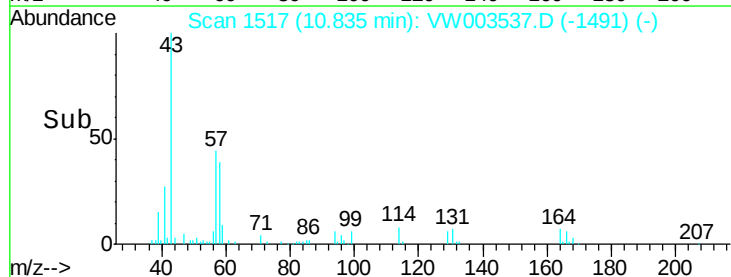
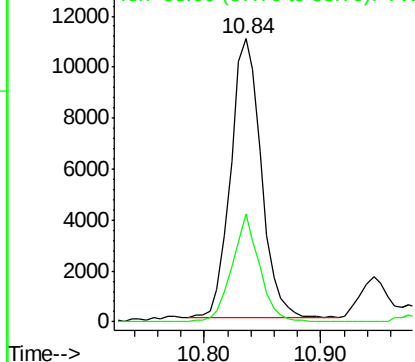
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.0	75.0

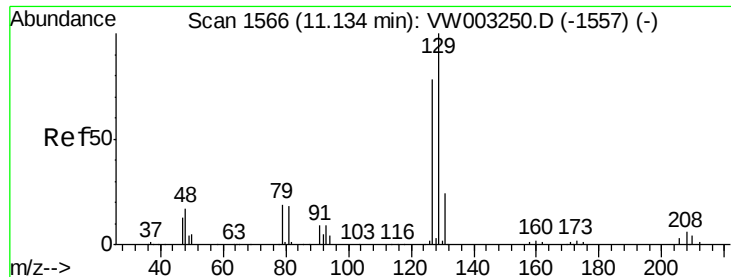


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

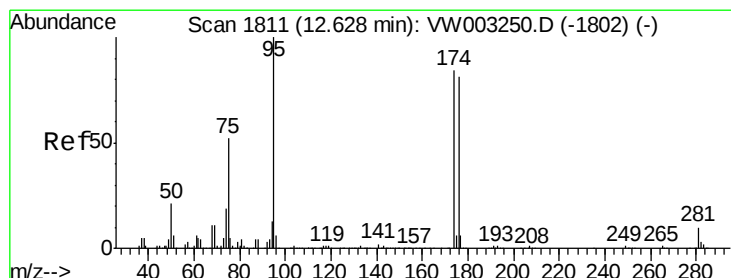
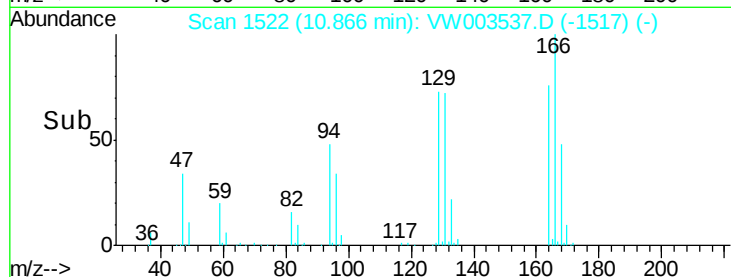
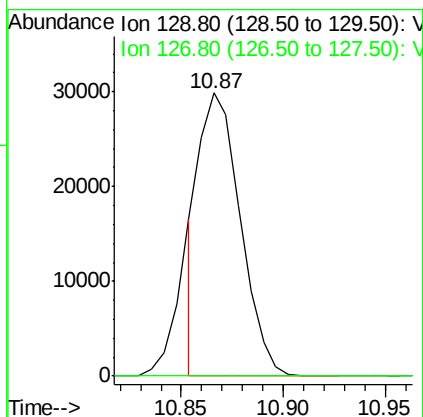
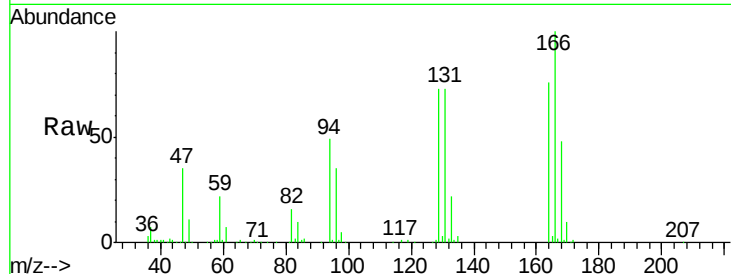




#60
Dibromochloromethane
Concen: 33.065 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.27 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

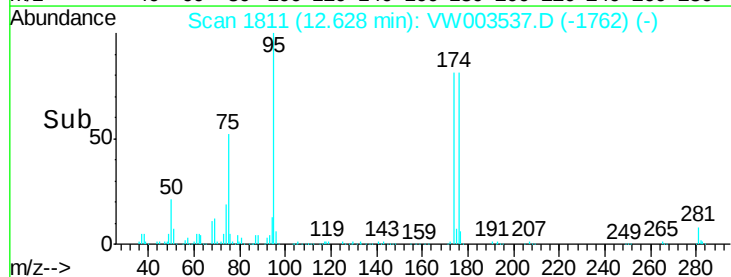
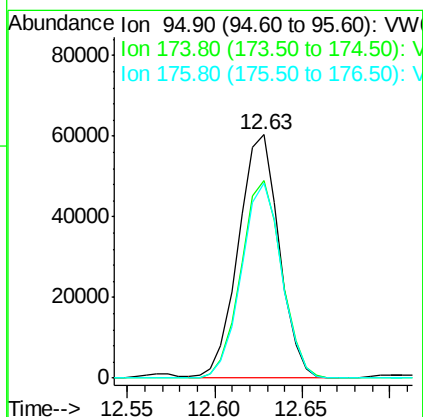
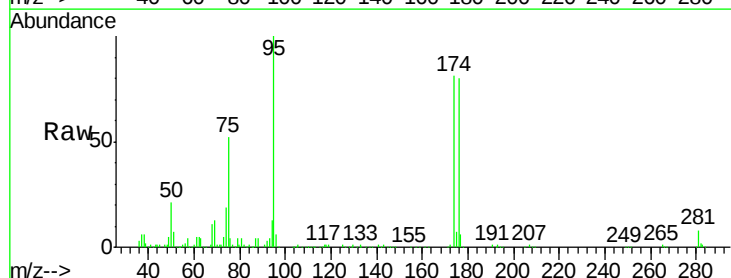
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

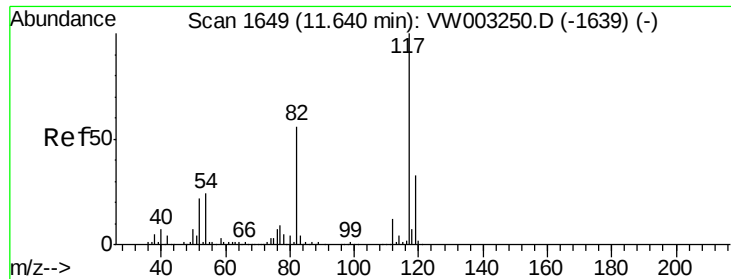
Tgt Ion: 129 Resp: 41880
Ion Ratio Lower Upper
129 100
127 0.1 39.1 117.5#



#62
4-Bromofluorobenzene
Concen: 51.160 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion: 95 Resp: 97163
Ion Ratio Lower Upper
95 100
174 81.5 0.0 166.4
176 79.4 0.0 162.0

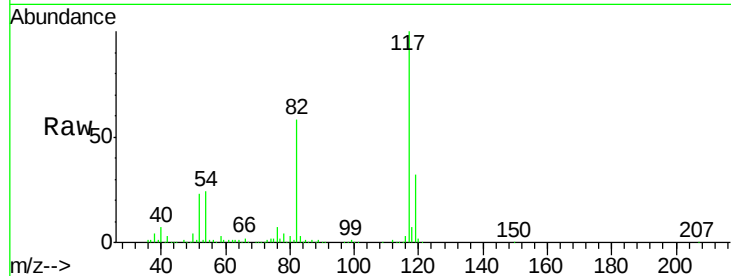




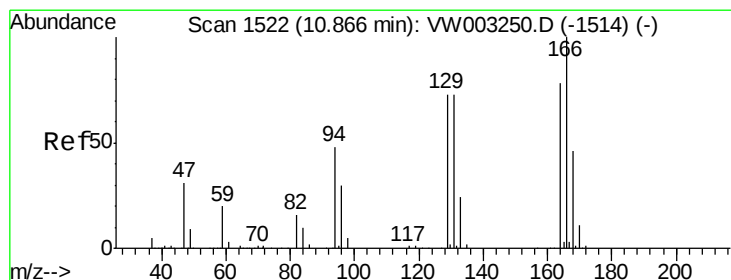
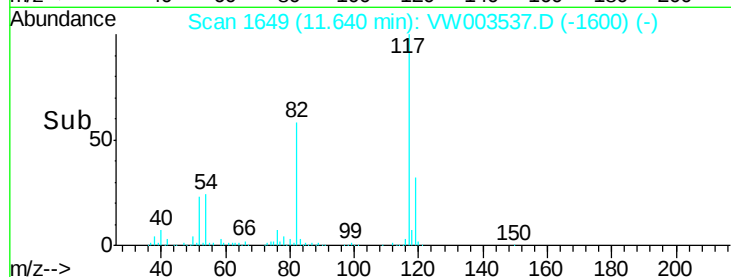
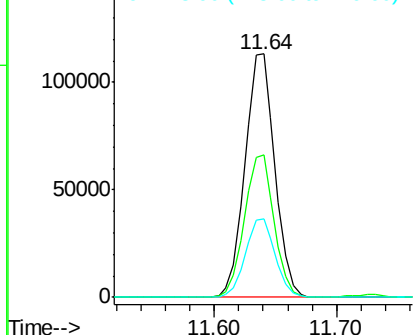
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

Tgt Ion:117 Resp: 192030
Ion Ratio Lower Upper
117 100
82 58.4 44.6 67.0
119 32.1 26.7 40.1

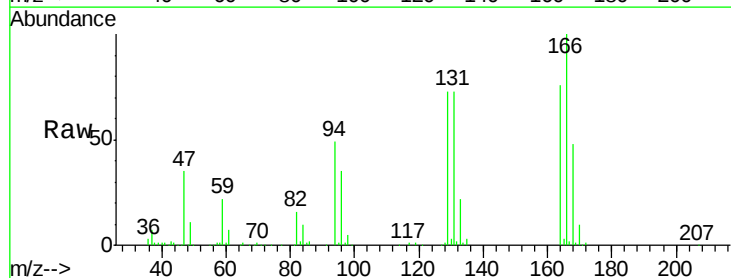


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

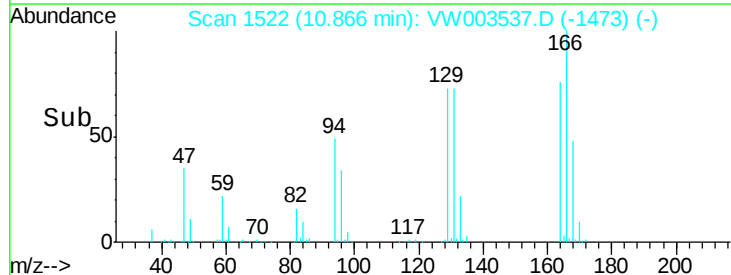
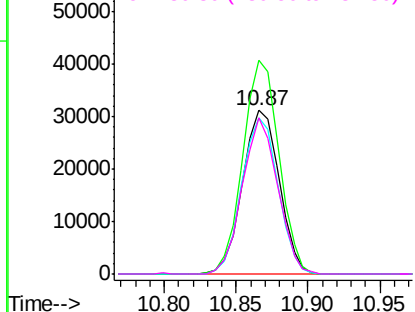


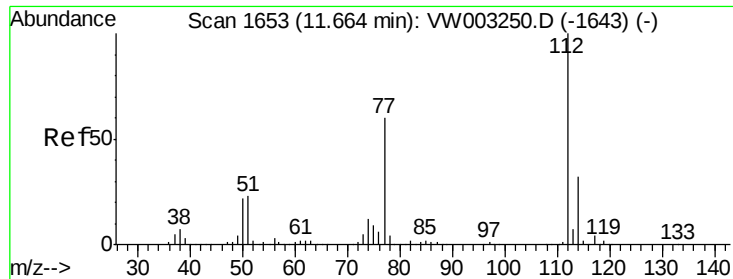
#64
Tetrachloroethene
Concen: 42.794 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion:164 Resp: 54965
Ion Ratio Lower Upper
164 100
166 130.8 102.6 154.0
129 96.0 75.2 112.8
131 95.4 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

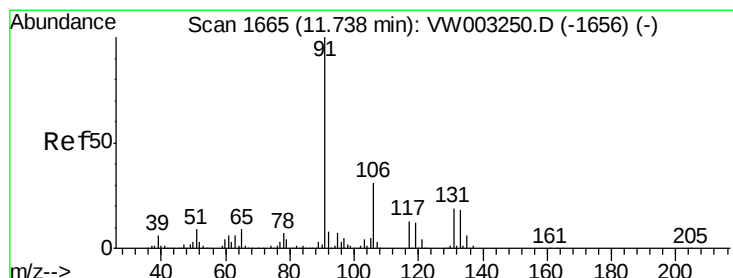
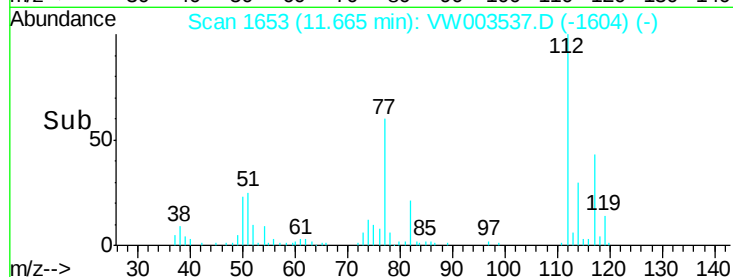
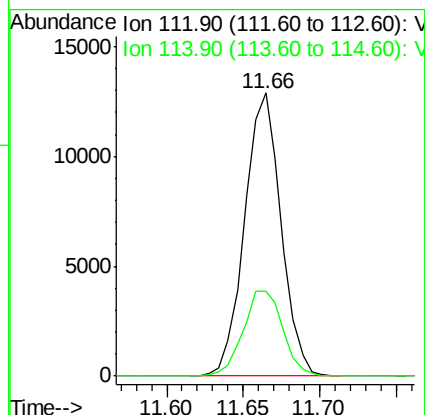
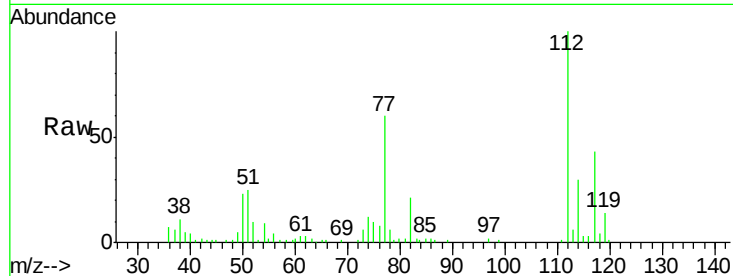




#65
Chlorobenzene
Concen: 5.316 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

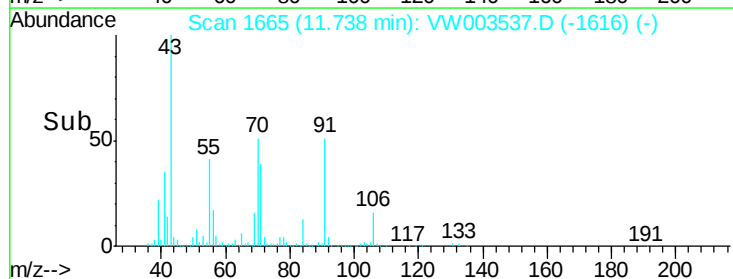
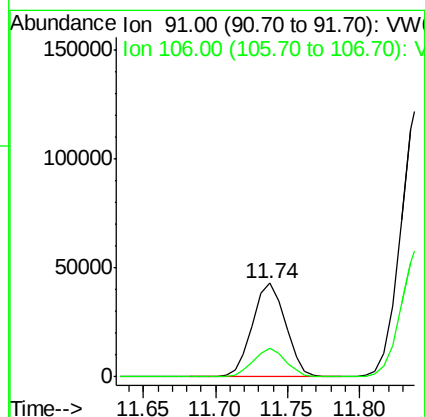
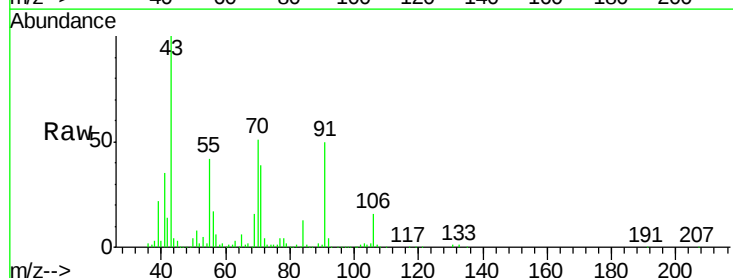
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

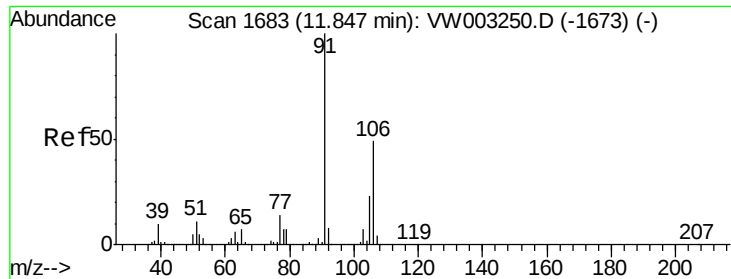
Tgt Ion: 112 Resp: 21258
Ion Ratio Lower Upper
112 100
114 30.1 25.9 38.9



#67
Ethyl Benzene
Concen: 9.705 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion: 91 Resp: 68796
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

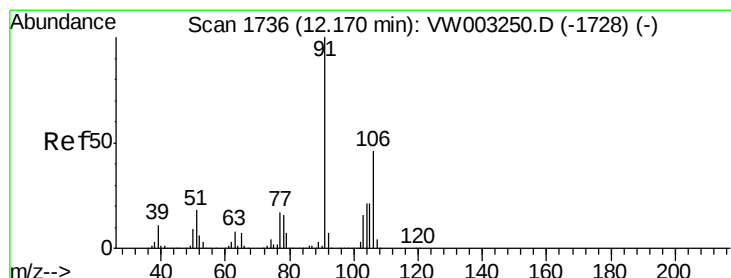
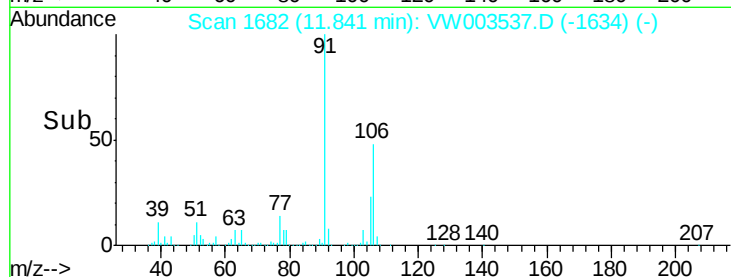
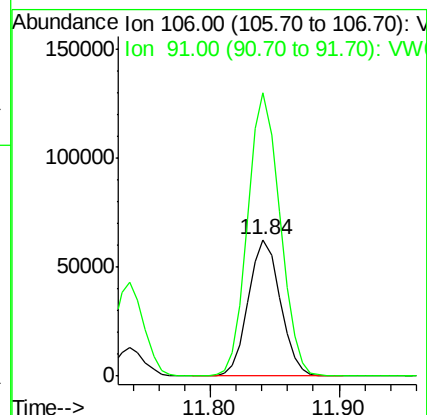
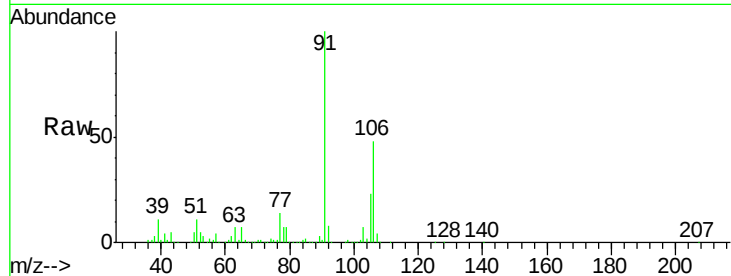




#68
m/p-Xylenes
Concen: 39.959 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

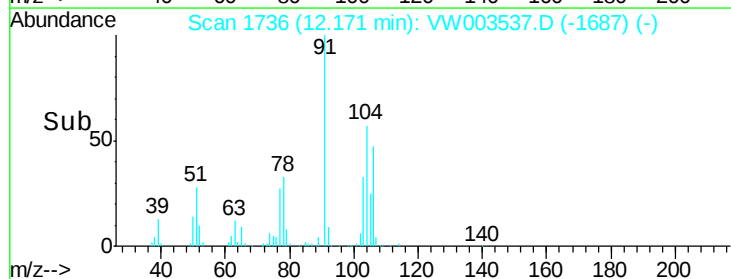
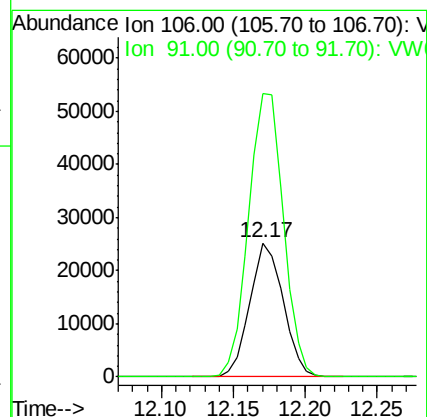
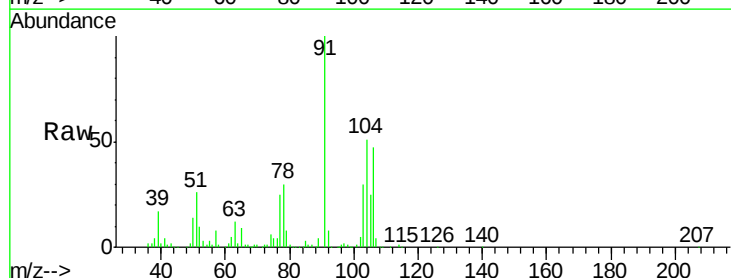
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

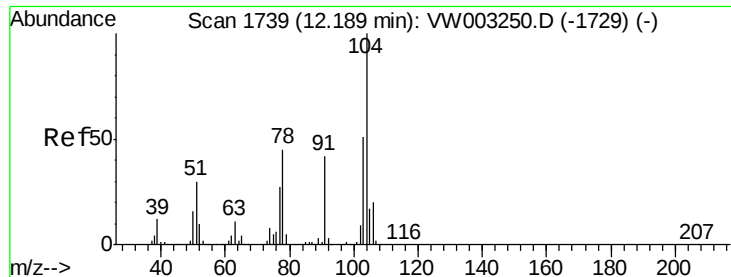
Tgt Ion:106 Resp: 107674
Ion Ratio Lower Upper
106 100
91 209.2 165.4 248.0



#69
o-Xylene
Concen: 16.196 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion:106 Resp: 40447
Ion Ratio Lower Upper
106 100
91 221.5 108.6 325.6





#70

Styrene

Concen: 39.674 ug/l

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

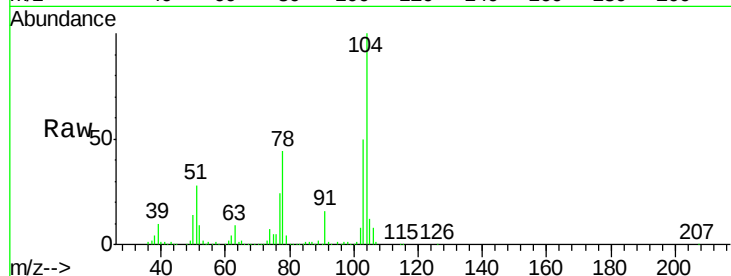
Tgt Ion:104 Resp: 164912

Ion Ratio Lower Upper

104 100

78 47.9 41.3 61.9

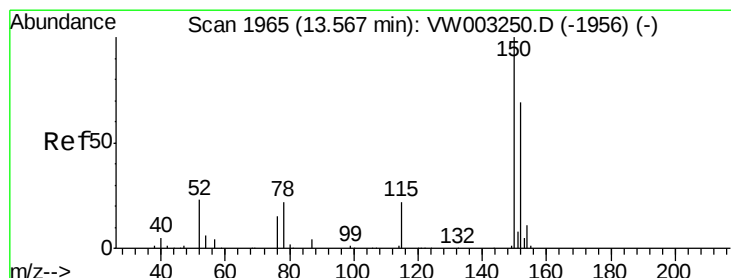
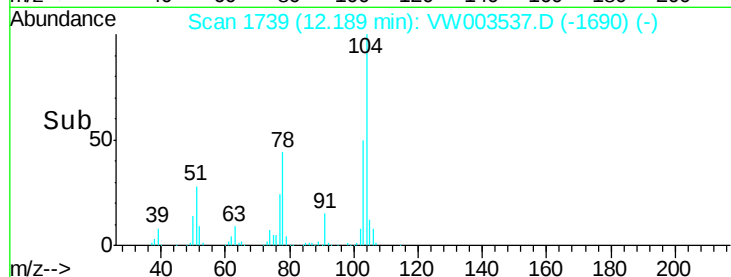
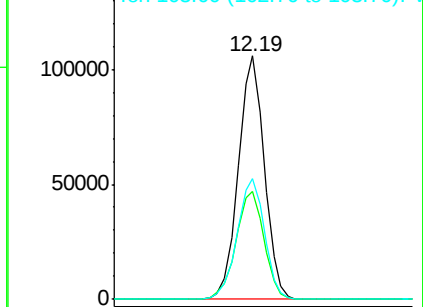
103 52.3 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

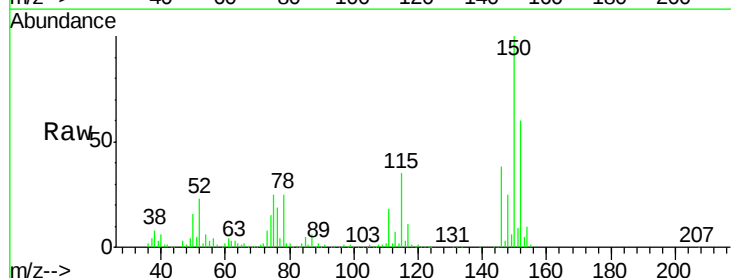
Tgt Ion:152 Resp: 97371

Ion Ratio Lower Upper

152 100

115 62.5 29.3 88.0

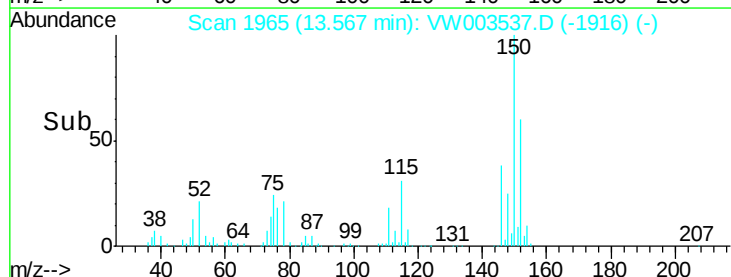
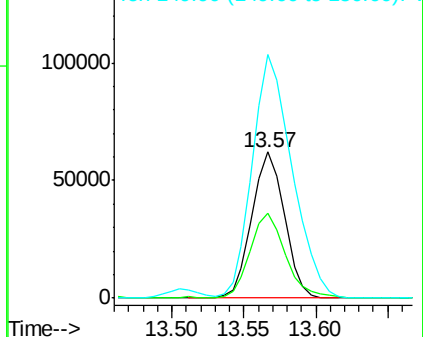
150 203.3 0.0 349.6

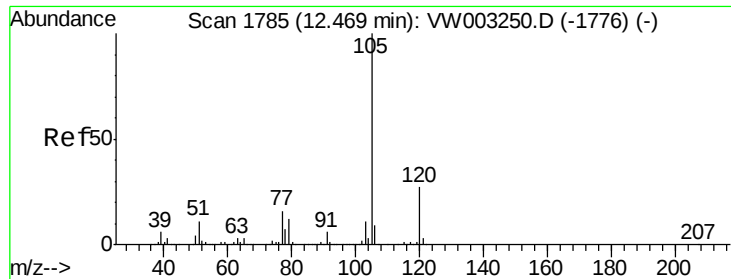


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.434 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

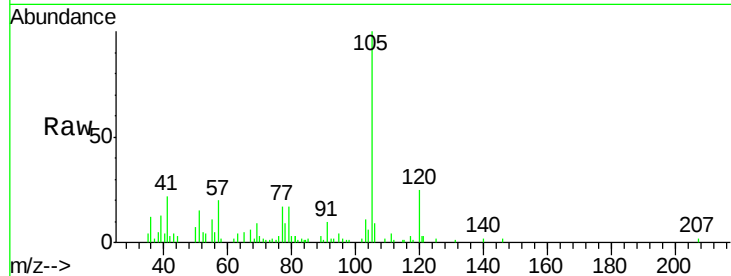
WP021SB474-35-37-180620

Tgt Ion:105 Resp: 9714

Ion Ratio Lower Upper

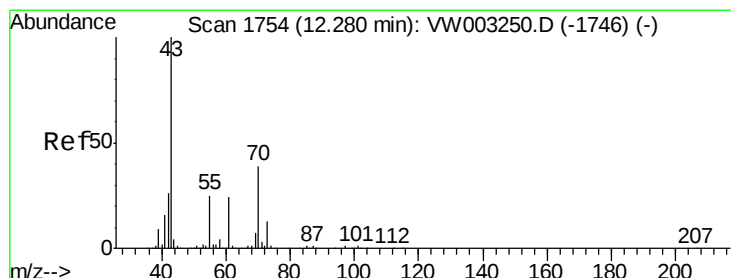
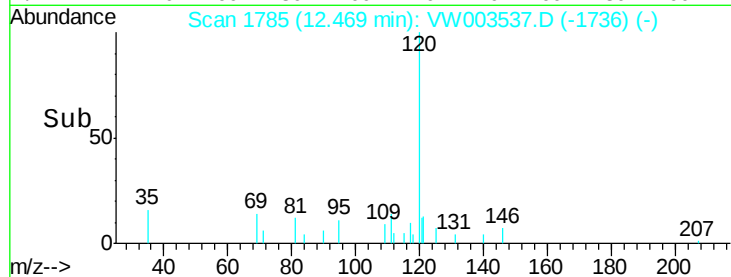
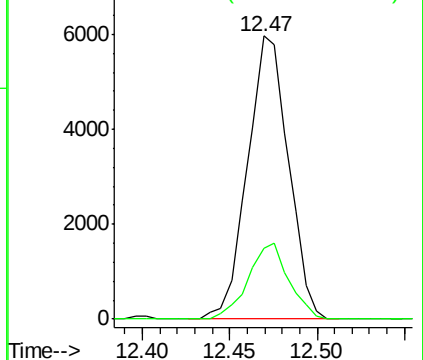
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.626 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Tgt Ion: 43 Resp: 2507

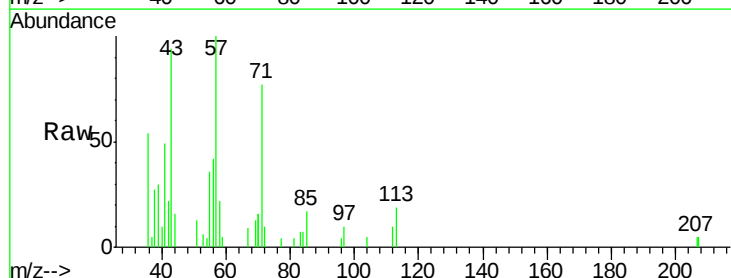
Ion Ratio Lower Upper

43 100

70 17.0 31.0 46.6#

55 0.0 19.7 29.5#

61 0.0 18.1 27.1#

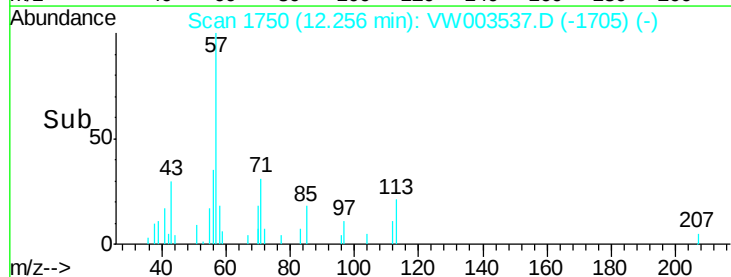
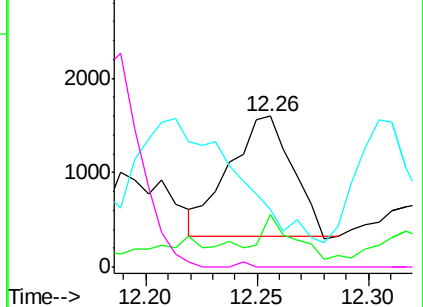


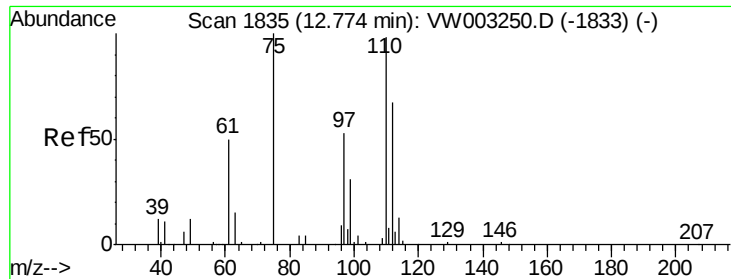
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

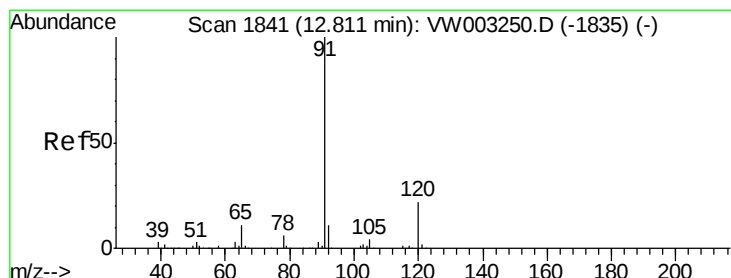
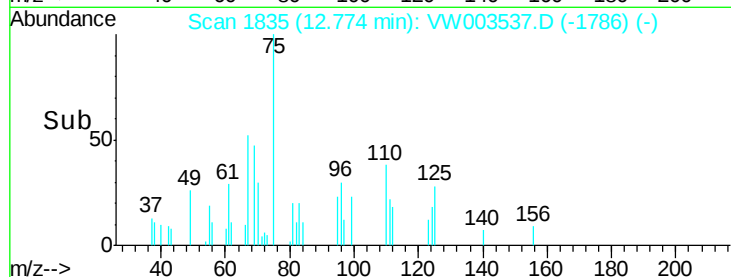
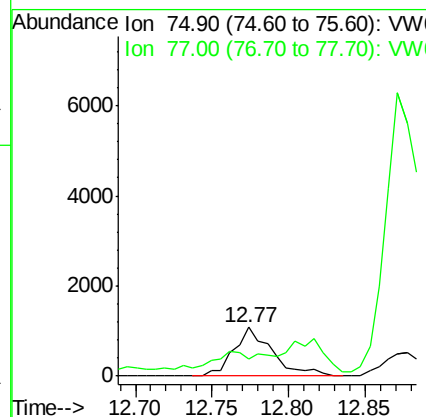
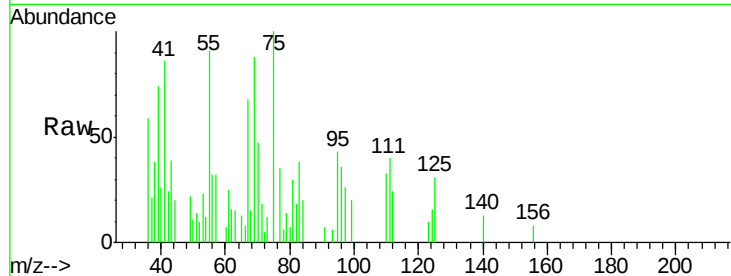




#76
 1,2,3-Trichloropropane
 Concen: 2.289 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

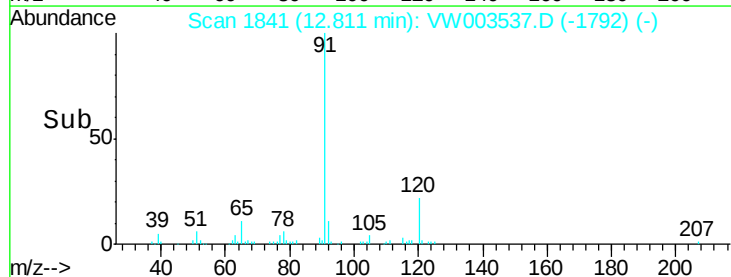
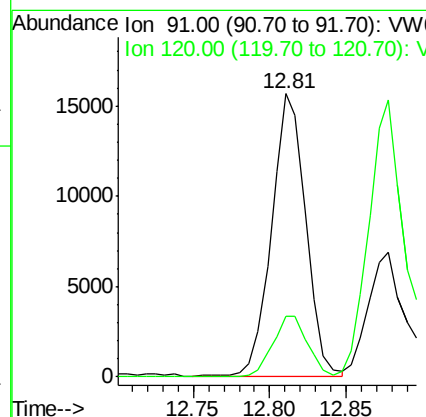
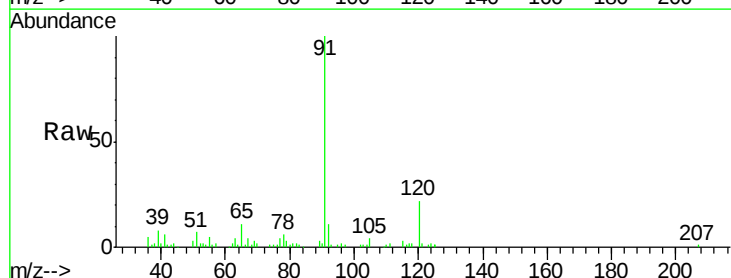
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

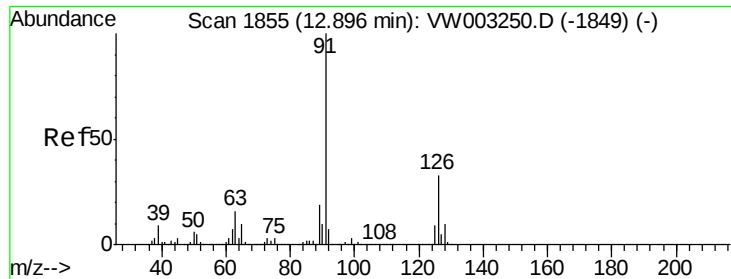
Tgt Ion: 75 Resp: 1905
 Ion Ratio Lower Upper
 75 100
 77 36.9 0.0 0.0#



#78
 n-propylbenzene
 Concen: 2.951 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Tgt Ion: 91 Resp: 24469
 Ion Ratio Lower Upper
 91 100
 120 21.9 11.3 33.8





#79

2-Chlorotoluene

Concen: 2.157 ug/l

RT: 12.88 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

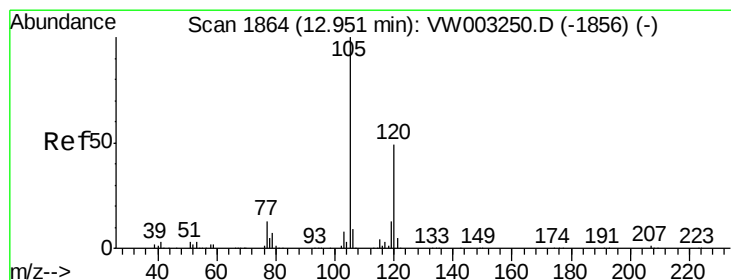
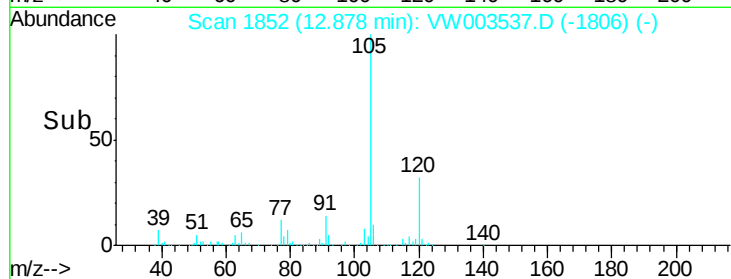
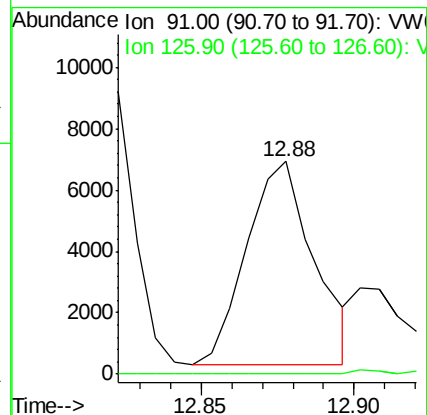
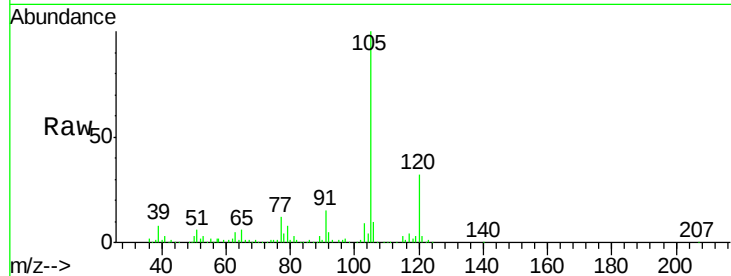
WP021SB474-35-37-180620

Tgt Ion: 91 Resp: 10108

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



#80

1,3,5-Trimethylbenzene

Concen: 12.870 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003537.D

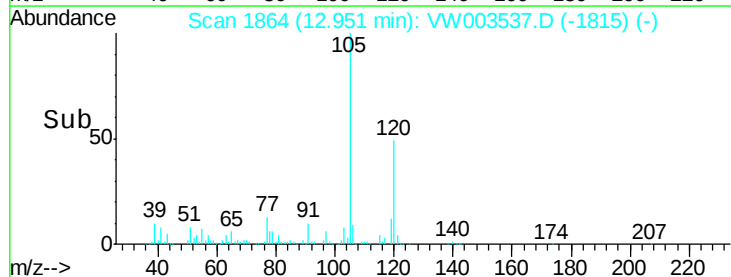
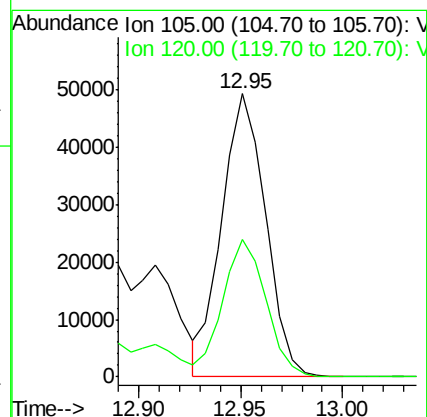
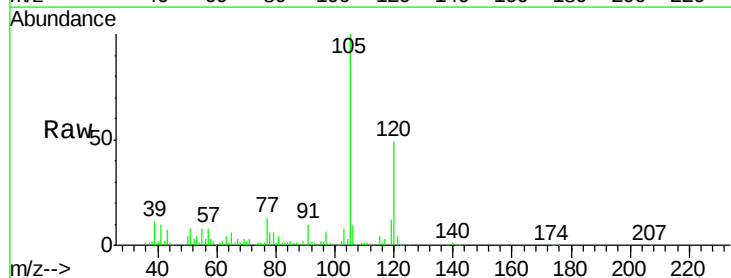
Acq: 25 Jun 2018 04:52

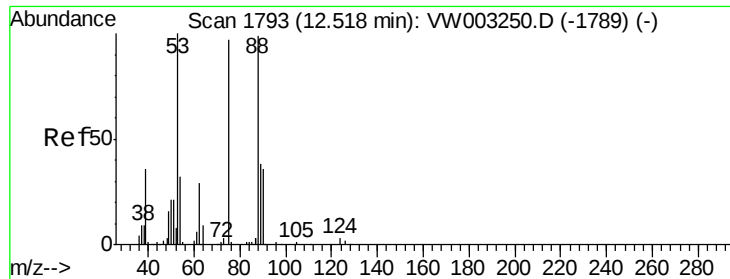
Tgt Ion: 105 Resp: 73161

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 143.997 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

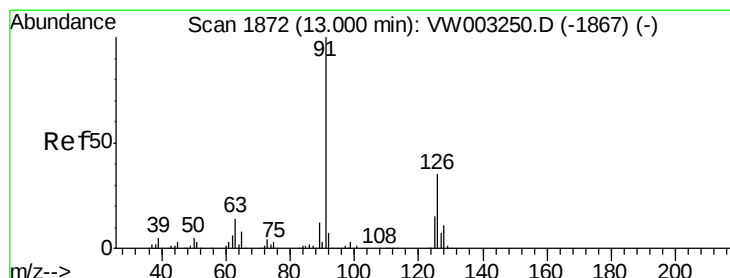
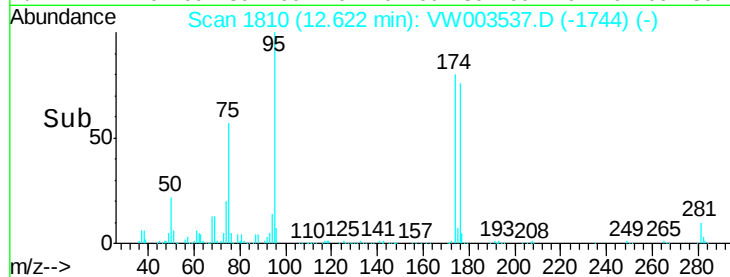
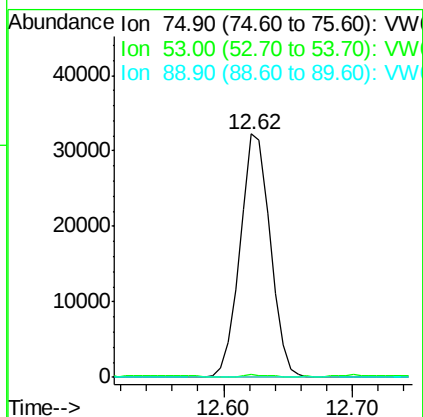
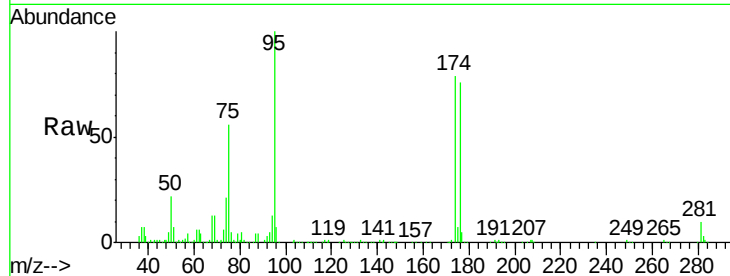
Tgt Ion: 75 Resp: 52091

Ion Ratio Lower Upper

75 100

53 0.6 82.9 124.3#

89 0.1 36.7 55.1#



#82

4-Chlorotoluene

Concen: 1.671 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003537.D

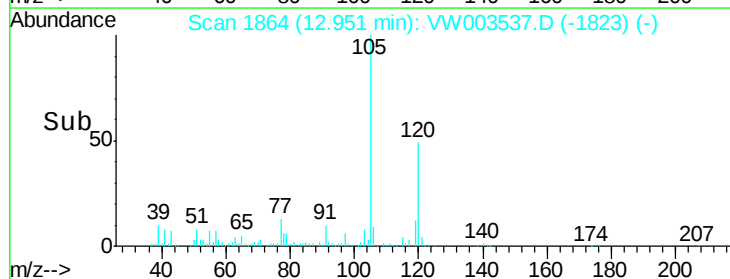
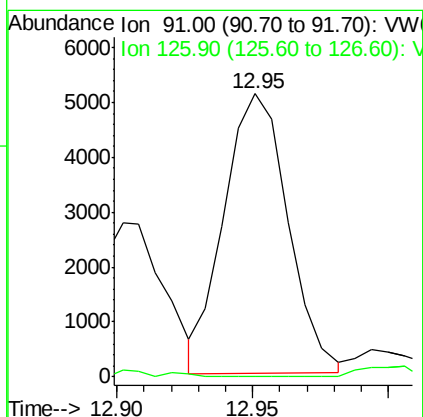
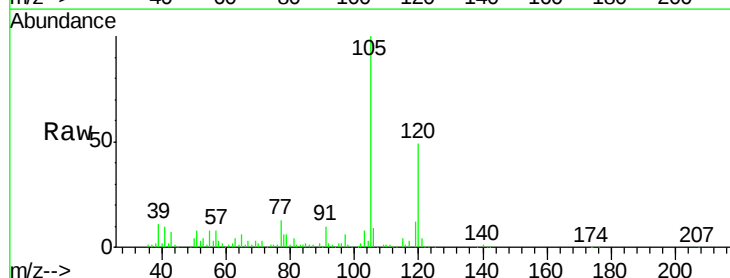
Acq: 25 Jun 2018 04:52

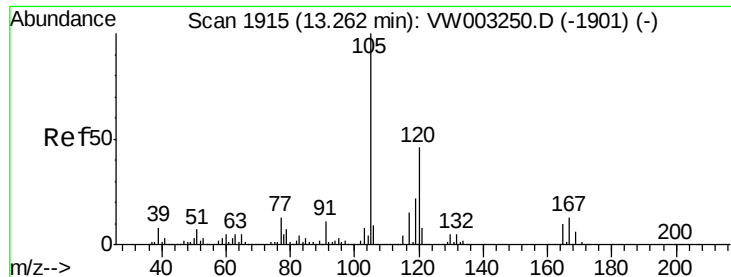
Tgt Ion: 91 Resp: 8307

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.3#

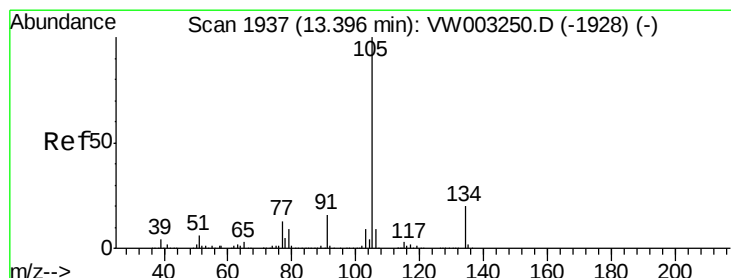
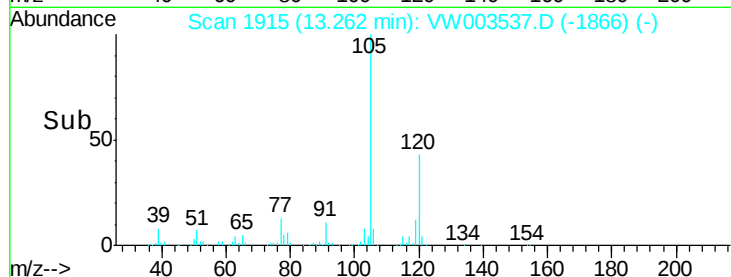
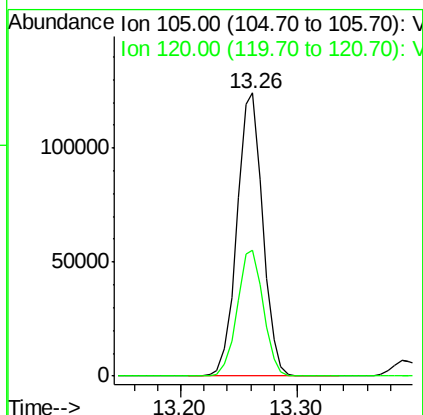
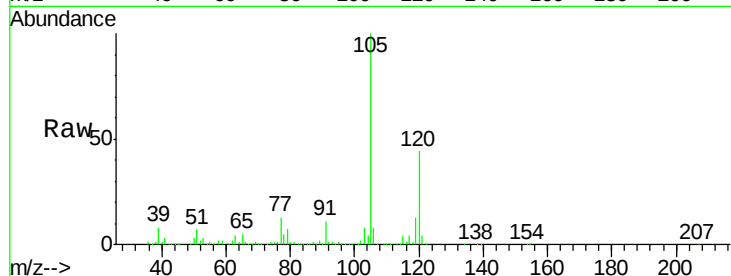




#84
 1,2,4-Trimethylbenzene
 Concen: 32.656 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

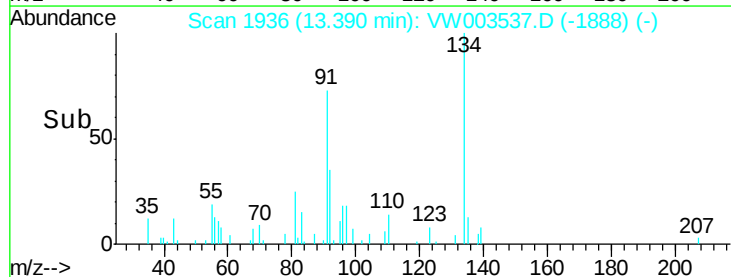
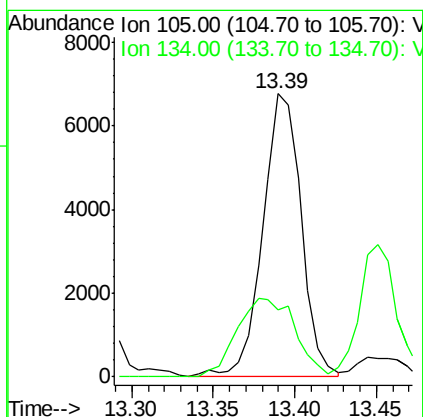
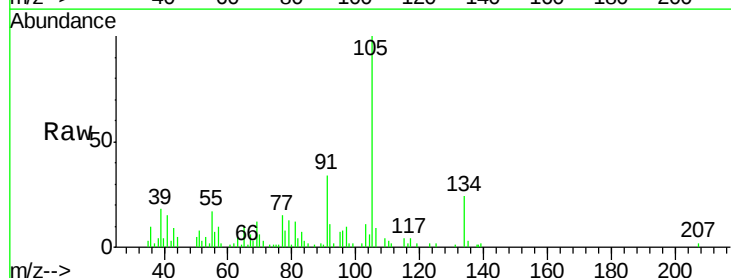
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

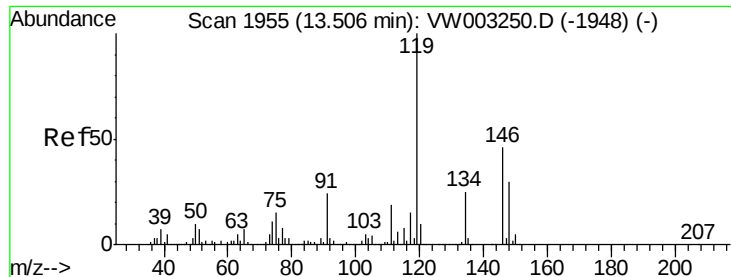
Tgt Ion:105 Resp: 190960
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 1.540 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Tgt Ion:105 Resp: 11093
 Ion Ratio Lower Upper
 105 100
 134 41.9 9.8 29.5#

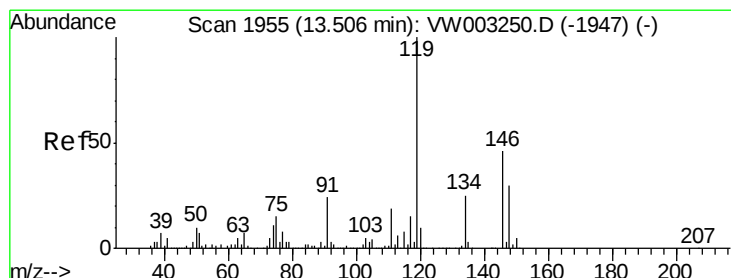
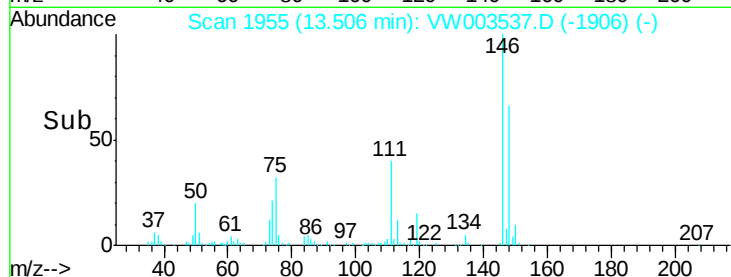
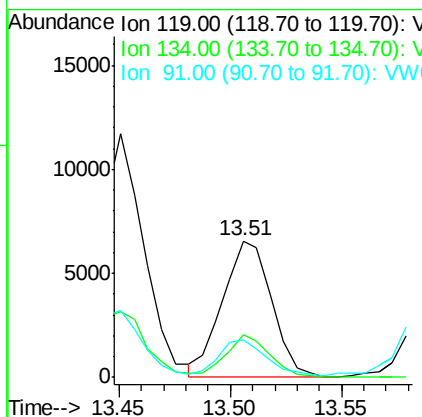
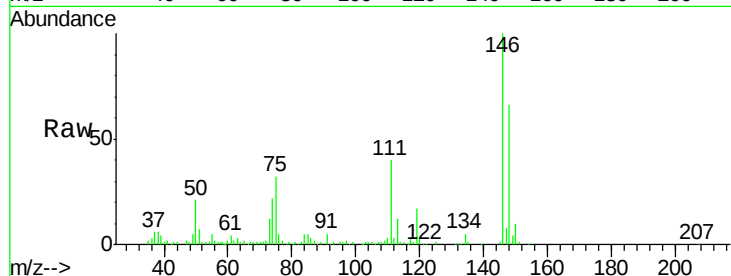




#86
p-Isopropyltoluene
Concen: 1.585 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

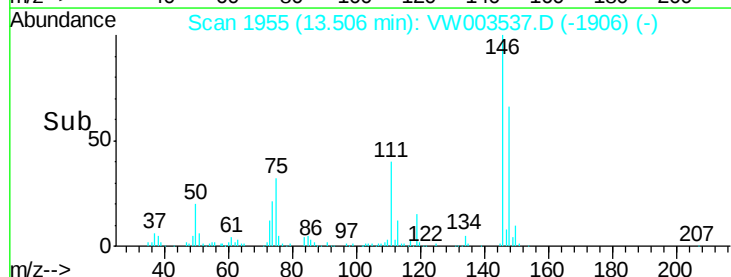
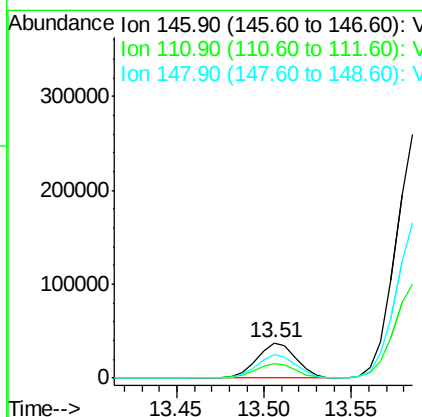
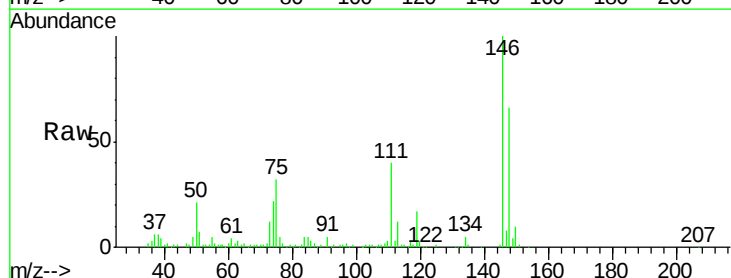
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-35-37-180620

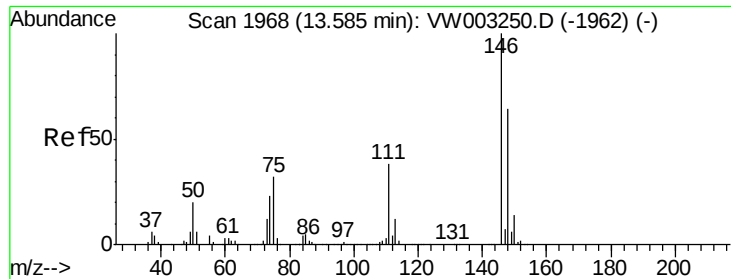
Tgt Ion:119 Resp: 10066
Ion Ratio Lower Upper
119 100
134 27.1 12.9 38.7
91 23.9 11.8 35.3



#87
1,3-Dichlorobenzene
Concen: 18.233 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003537.D
Acq: 25 Jun 2018 04:52

Tgt Ion:146 Resp: 59078
Ion Ratio Lower Upper
146 100
111 41.5 19.8 59.4
148 66.4 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 128.376 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-35-37-180620

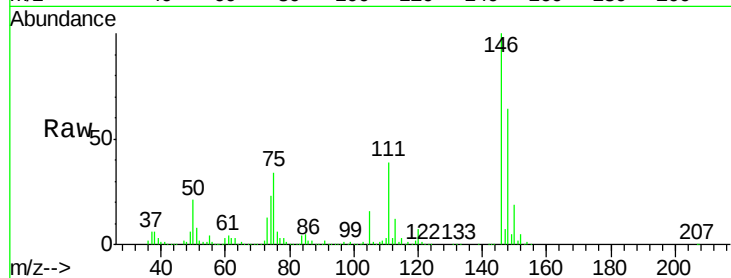
Tgt Ion:146 Resp: 413523

Ion Ratio Lower Upper

146 100

111 38.7 19.2 57.6

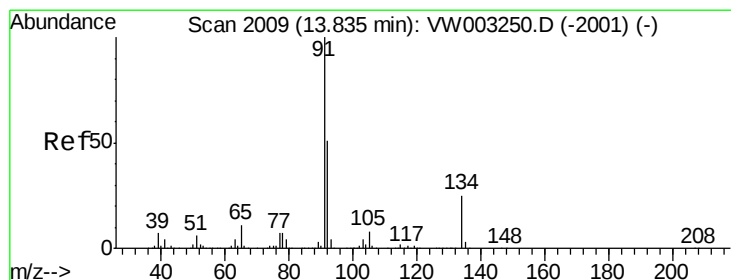
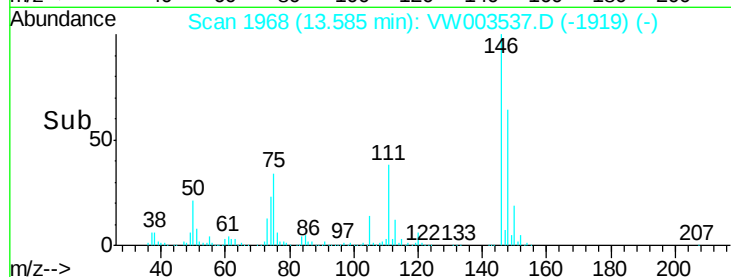
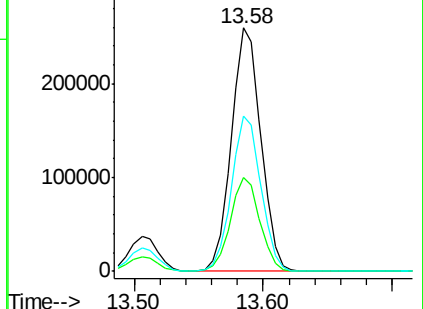
148 63.5 31.8 95.4



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: 1.266 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

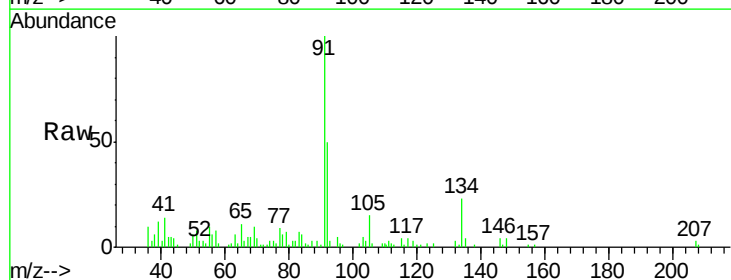
Tgt Ion: 91 Resp: 7835

Ion Ratio Lower Upper

91 100

92 66.9 26.0 78.0

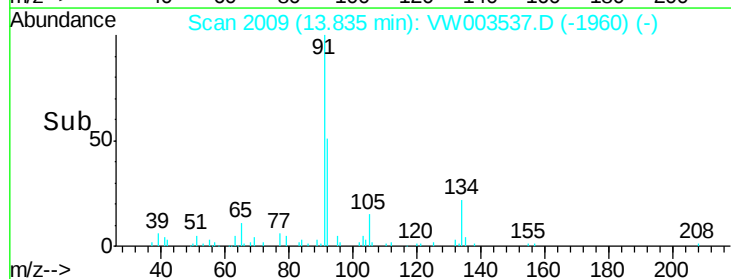
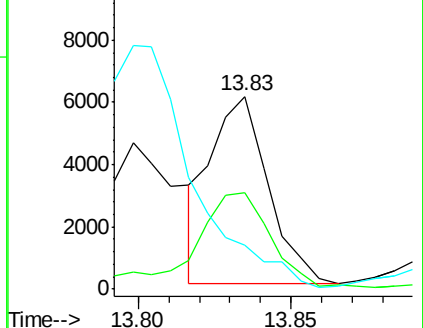
134 0.0 12.7 38.0#

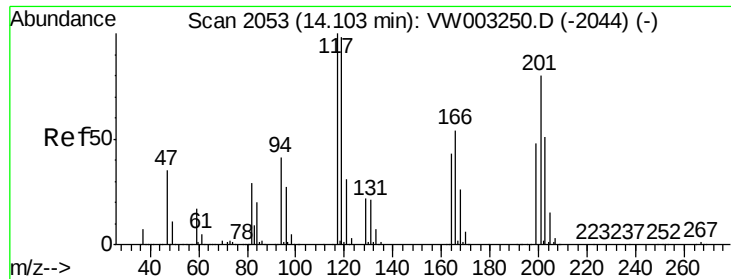


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.027 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

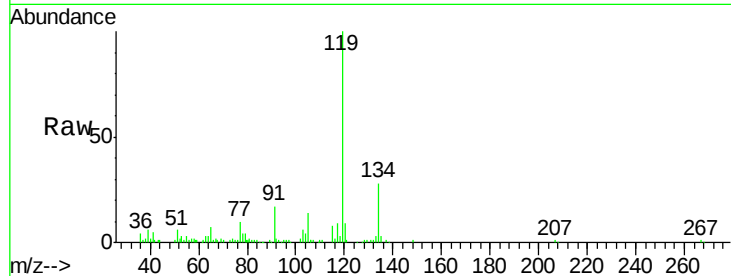
WP021SB474-35-37-180620

Tgt Ion:117 Resp: 2329

Ion Ratio Lower Upper

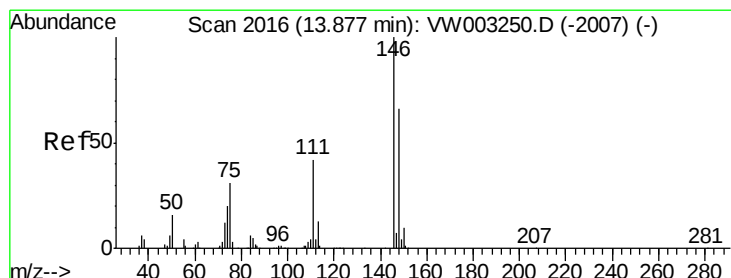
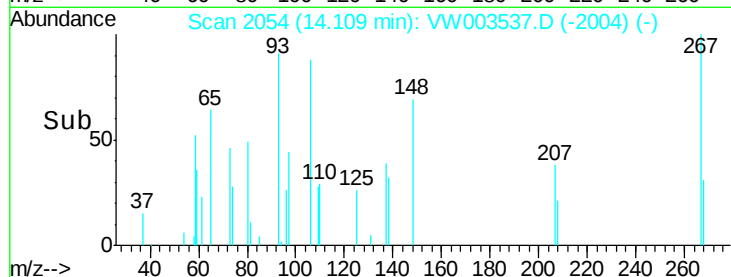
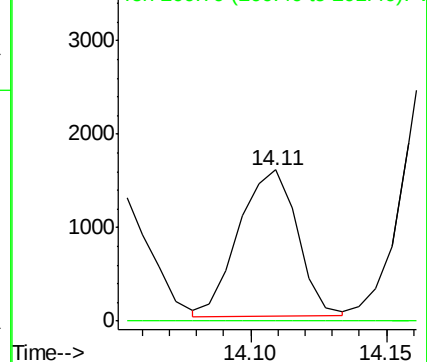
117 100

201 0.0 39.5 118.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 817.910 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003537.D

Acq: 25 Jun 2018 04:52

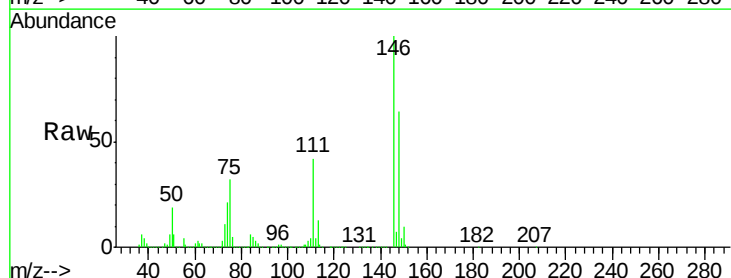
Tgt Ion:146 Resp: 2321447

Ion Ratio Lower Upper

146 100

111 41.6 20.3 61.0

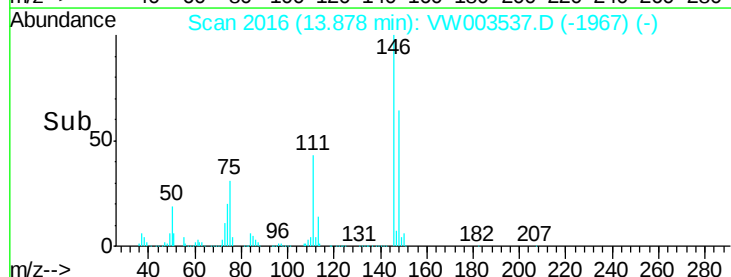
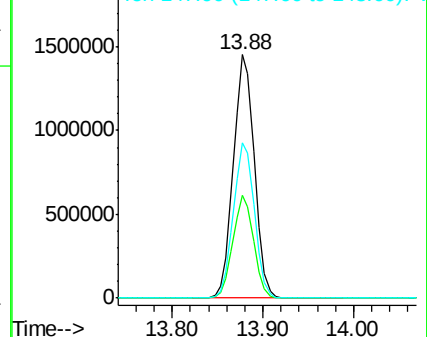
148 64.0 32.3 96.9

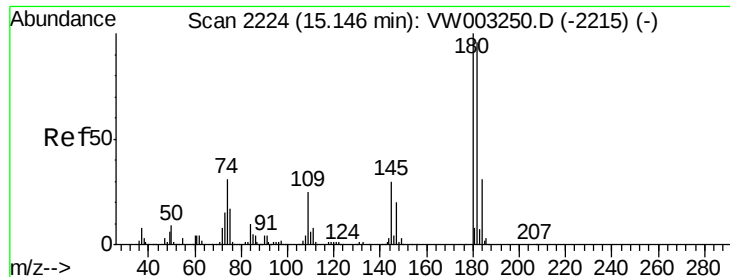


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

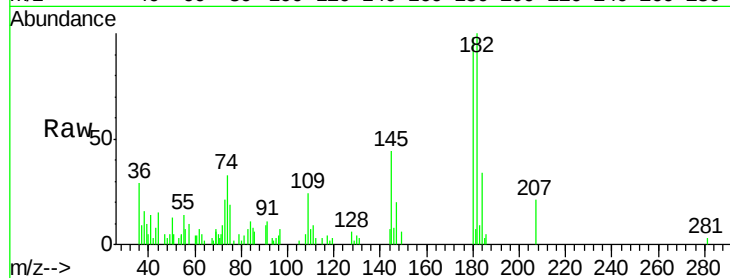




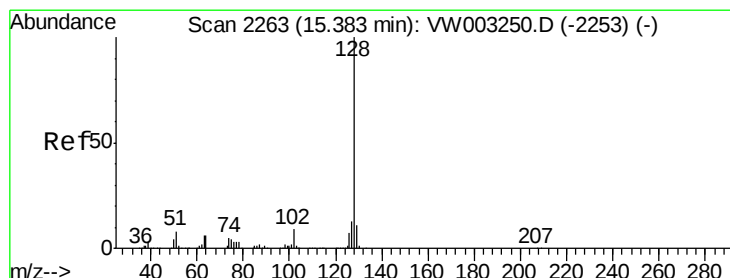
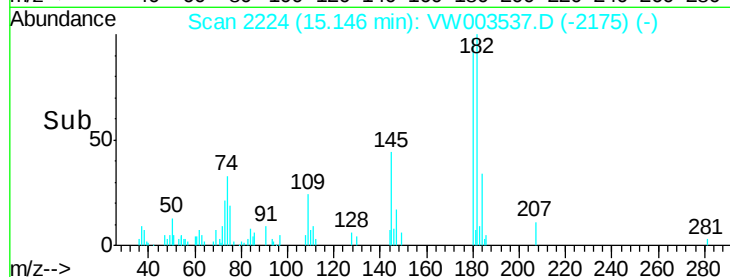
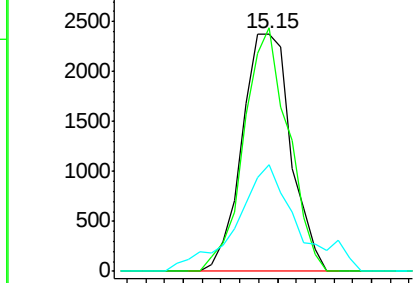
#93
 1,2,4-Trichlorobenzene
 Concen: 2.137 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-35-37-180620

Tgt Ion:180 Resp: 4258
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.6
 145 56.3 15.2 45.5#

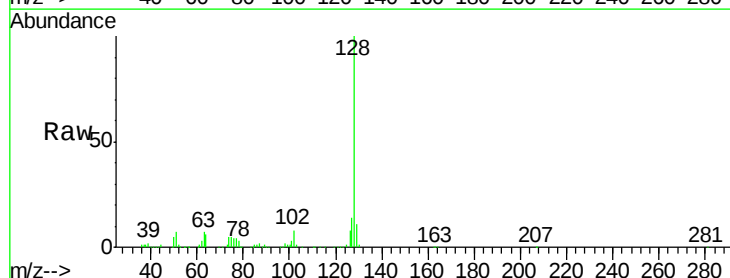


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 32.613 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.01 min
 Lab File: VW003537.D
 Acq: 25 Jun 2018 04:52

Tgt Ion:128 Resp: 110229
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

