

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003481.D
 Acq On : 24 Jun 2018 01:55
 Operator : SY/AP
 Sample : J3670-01
 Misc : 6.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621

Quant Time: Jun 25 02:43:16 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	165320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	268590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	133669	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	102299	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.89	113	84032	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.33	98	297662	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.63	95	117838	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

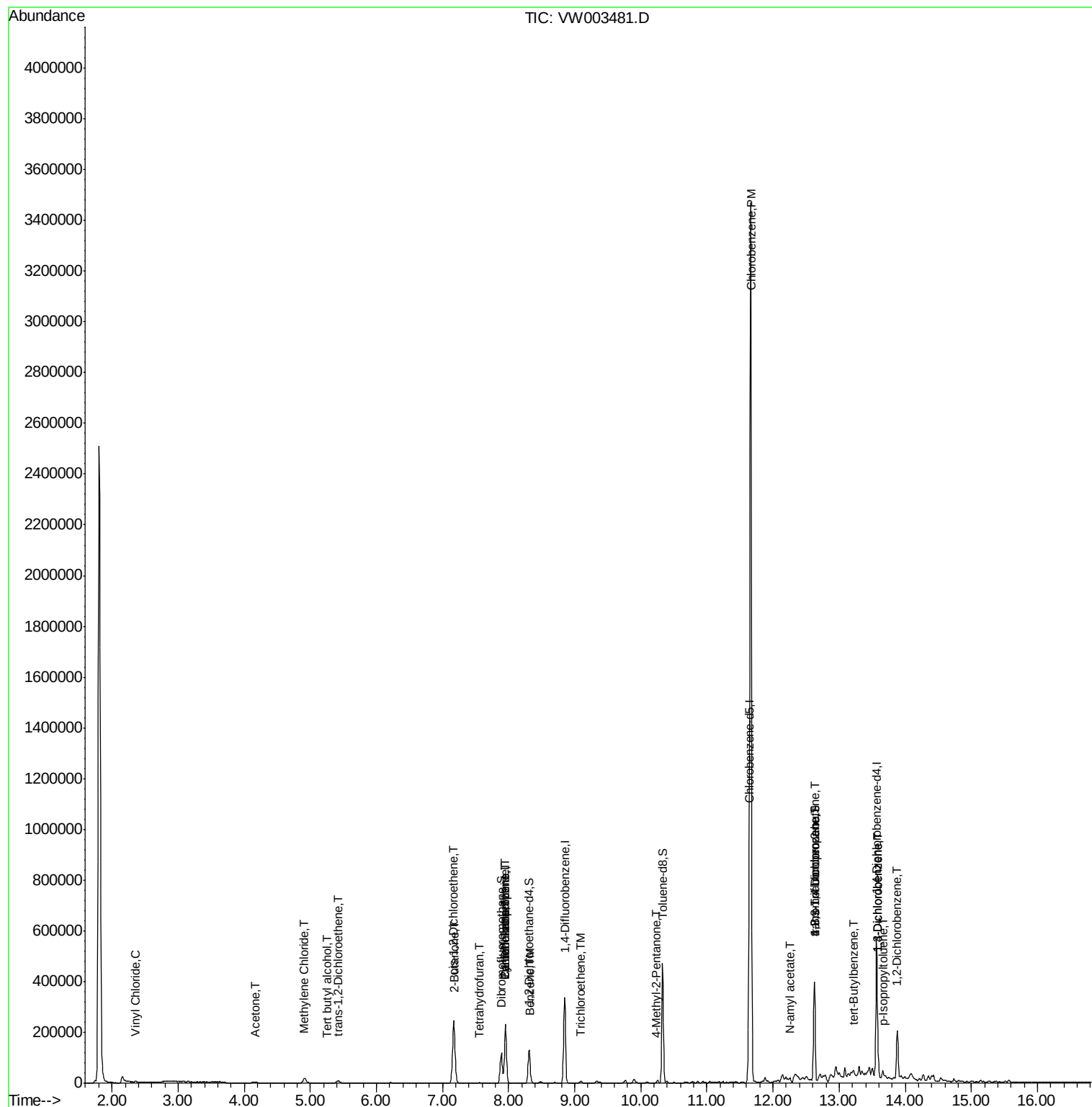
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	4211	2.287	ug/l	98
11) Tert butyl alcohol	5.25	59	320	3.332	ug/l #	64
16) Acetone	4.16	43	10132	26.979	ug/l	95
20) Methylene Chloride	4.91	84	14866	6.095	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	4927	3.025	ug/l	96
25) 2-Butanone	7.19	43	1277	2.734	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	140535	78.546	ug/l	92
29) Tetrahydrofuran	7.56	42	993	3.479	ug/l #	86
31) Cyclohexane	7.95	56	4570	1.579	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	13592	5.240	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16461	6.470	ug/l #	15
40) Benzene	8.33	78	8482	1.186	ug/l	96
44) Trichloroethene	9.09	130	2147	1.133	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	1291	1.187	ug/l	92
65) Chlorobenzene	11.66	112	1782550	335.666	ug/l	100
74) N-amyl acetate	12.26	43	3643	1.722	ug/l #	63
76) 1,2,3-Trichloropropane	12.62	75	64552	56.490	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64552	129.987	ug/l #	9
83) tert-Butylbenzene	13.21	119	7189	1.081	ug/l	93
86) p-Isopropyltoluene	13.66	119	12349	1.416	ug/l	92
87) 1,3-Dichlorobenzene	13.58	146	28692	6.450	ug/l	93
88) 1,4-Dichlorobenzene	13.58	146	28692	6.488	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	61585	15.806	ug/l	97

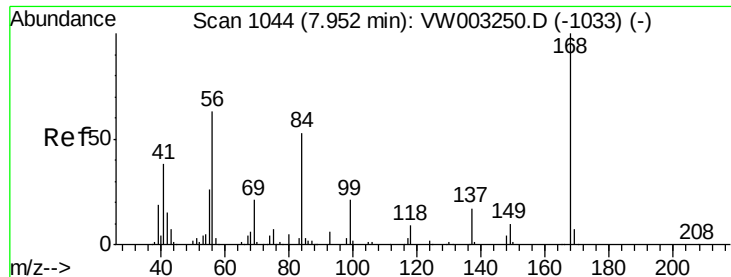
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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Sample : J3670-01
Misc : 6.55G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621

Quant Time: Jun 25 02:43:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

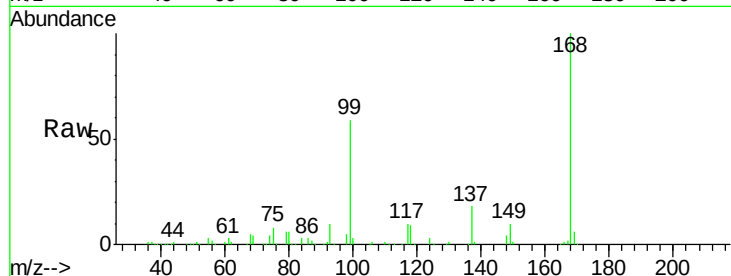
WP021SB487-13-15-180621

Tgt Ion:168 Resp: 165320

Ion Ratio Lower Upper

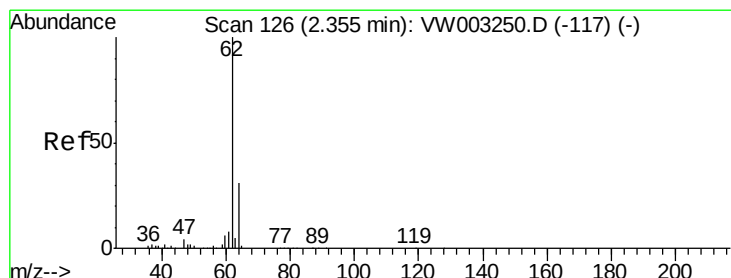
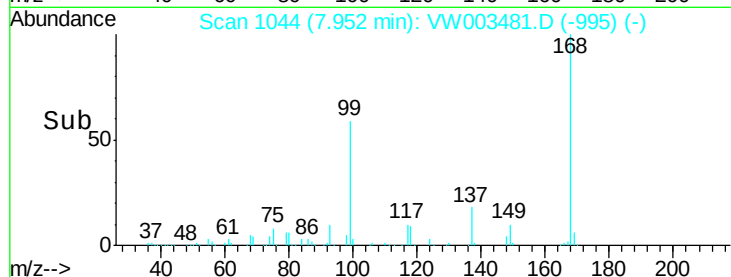
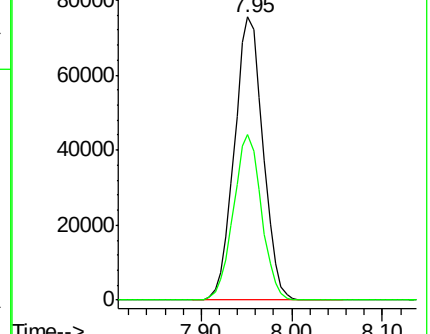
168 100

99 58.7 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: 2.287 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003481.D

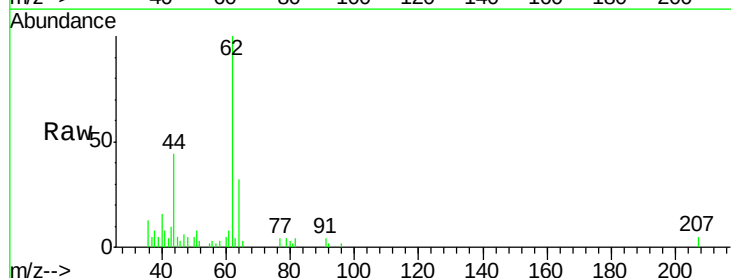
Acq: 24 Jun 2018 01:55

Tgt Ion: 62 Resp: 4211

Ion Ratio Lower Upper

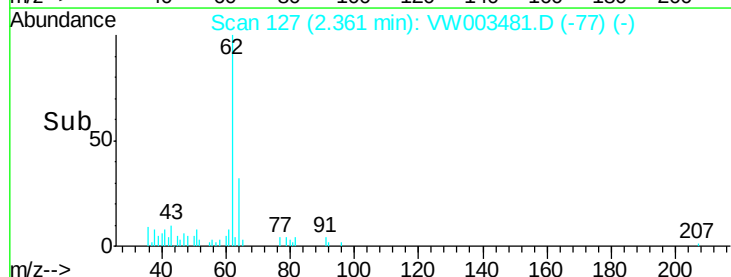
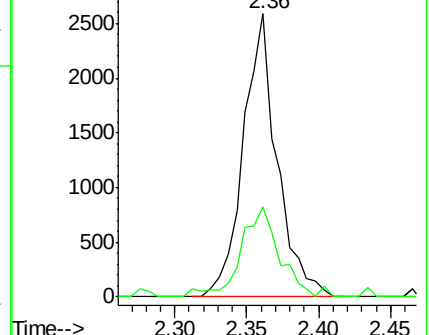
62 100

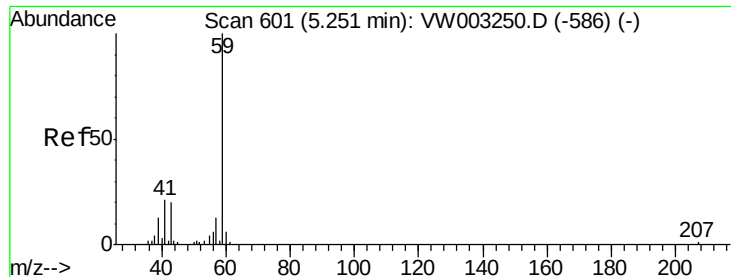
64 32.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



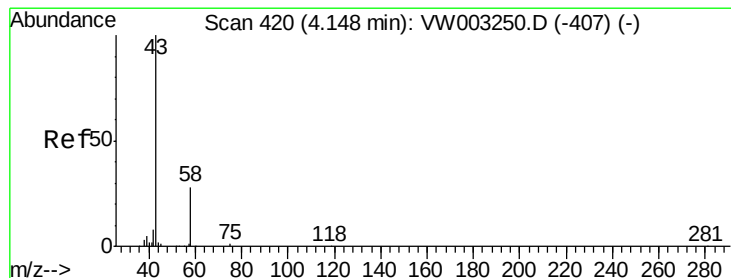
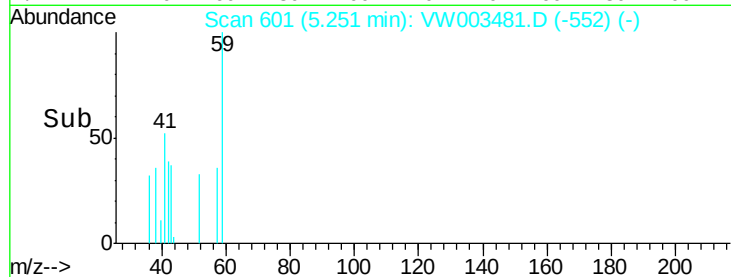
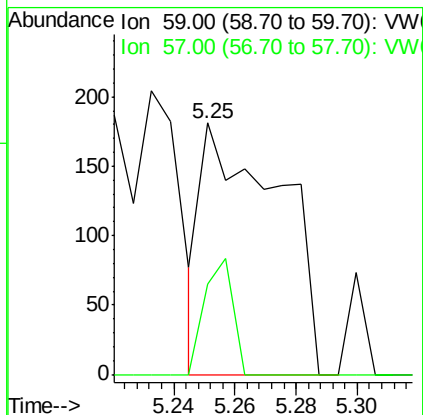
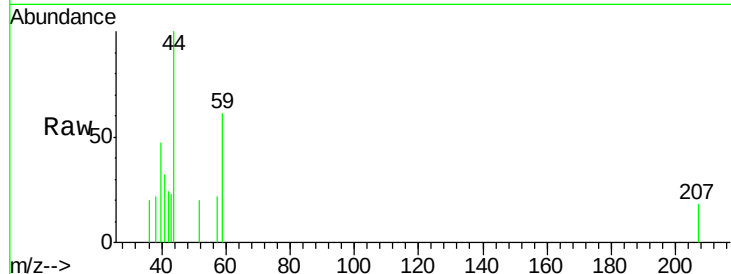


#11

Tert butyl alcohol
 Concen: 3.332 ug/l
 RT: 5.25 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621

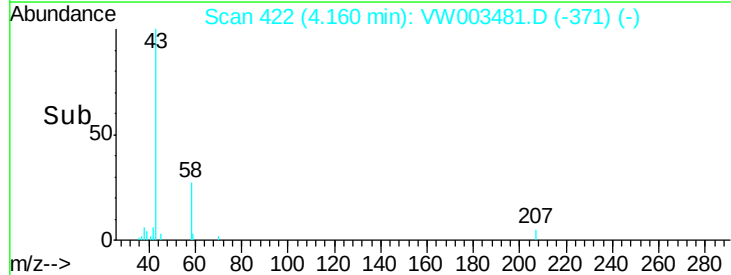
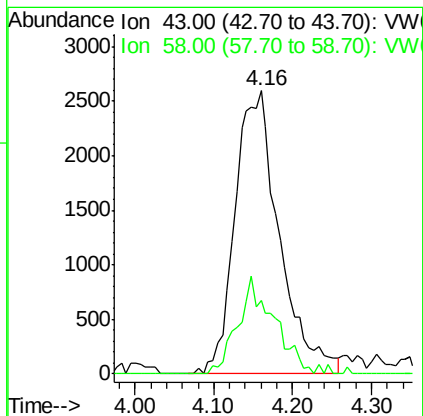
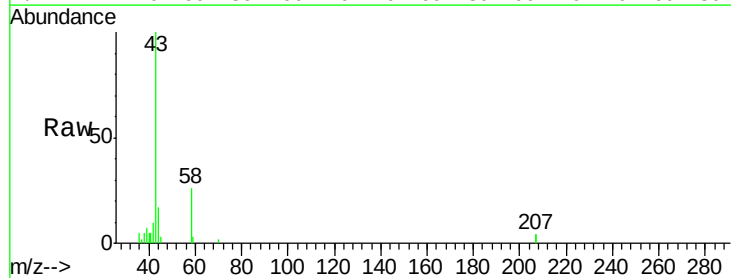
Tgt Ion: 59 Resp: 320
 Ion Ratio Lower Upper
 59 100
 57 17.2 4.2 6.2#

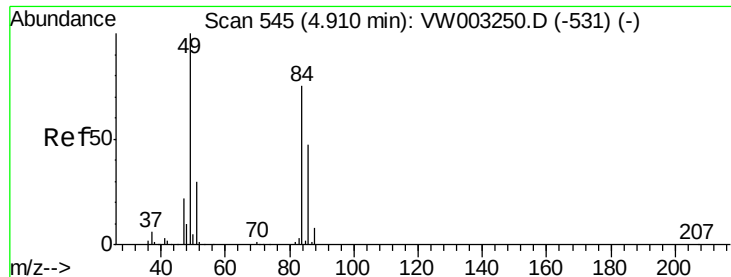


#16

Acetone
 Concen: 26.979 ug/l
 RT: 4.16 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Tgt Ion: 43 Resp: 10132
 Ion Ratio Lower Upper
 43 100
 58 25.8 22.6 34.0

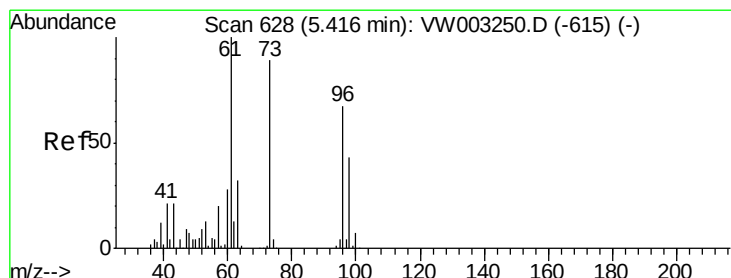
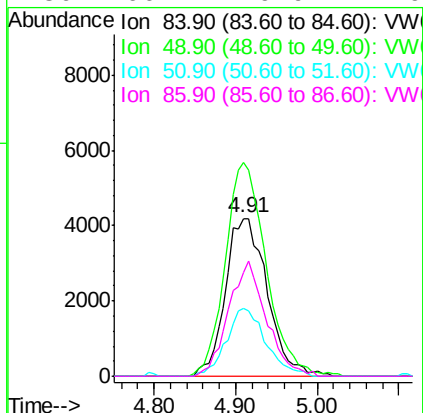
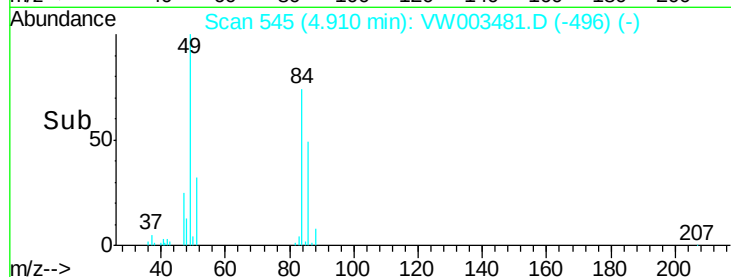
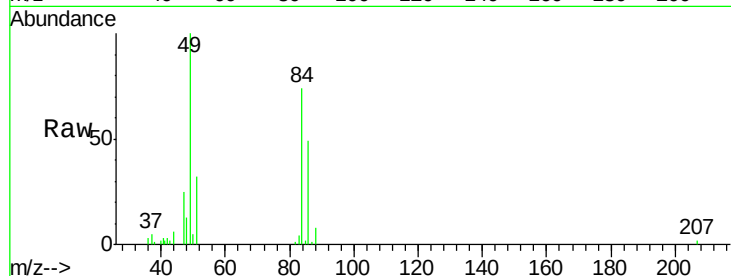




#20
Methylene Chloride
Concen: 6.095 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

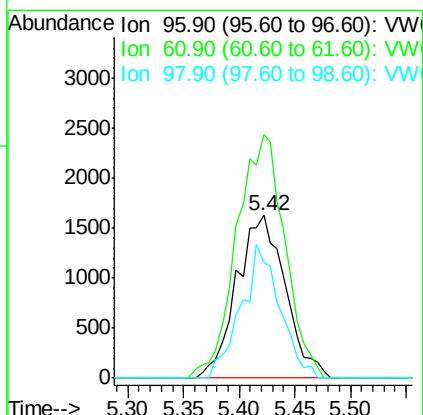
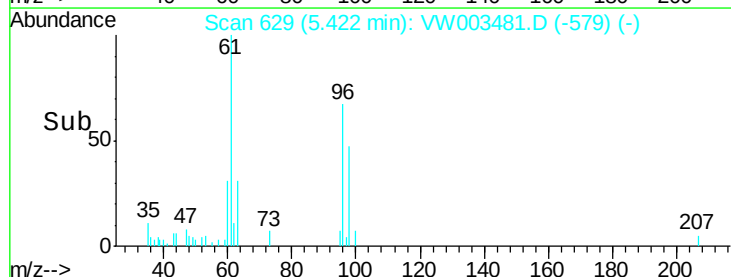
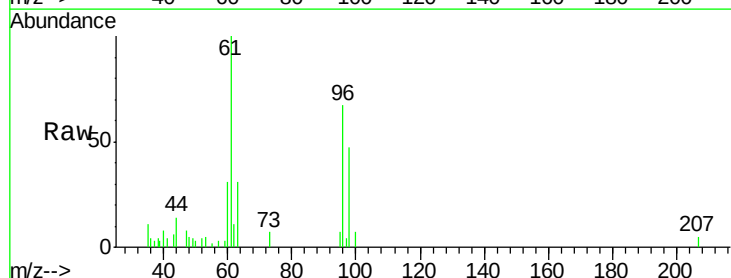
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621

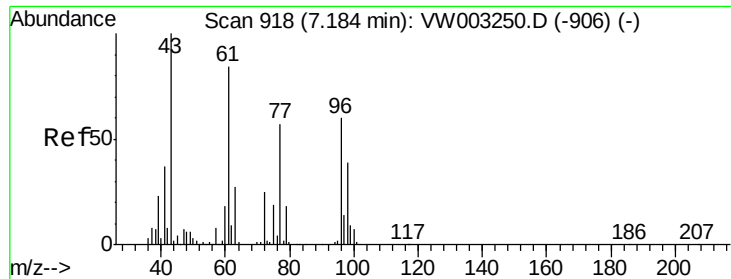
Tgt Ion:	84	Resp:	14866
Ion	Ratio	Lower	Upper
84	100		
49	135.6	106.3	159.5
51	43.0	32.0	48.0
86	66.2	49.9	74.9



#21
trans-1,2-Dichloroethene
Concen: 3.025 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Tgt Ion:	96	Resp:	4927
Ion	Ratio	Lower	Upper
96	100		
61	149.9	118.7	178.1
98	71.2	51.0	76.6





#25

2-Butanone

Concen: 2.734 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

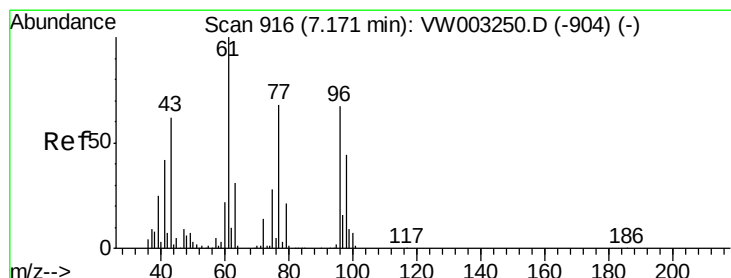
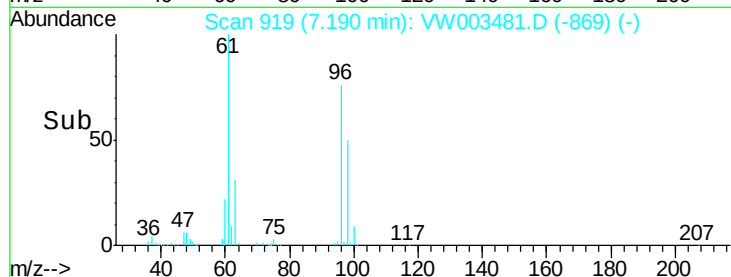
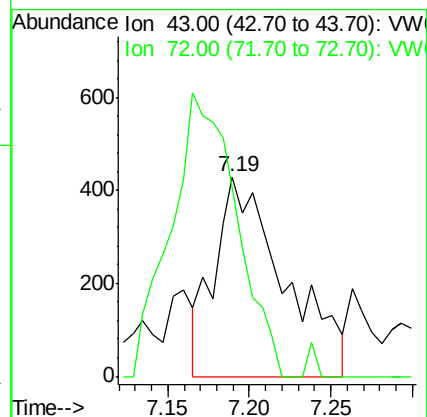
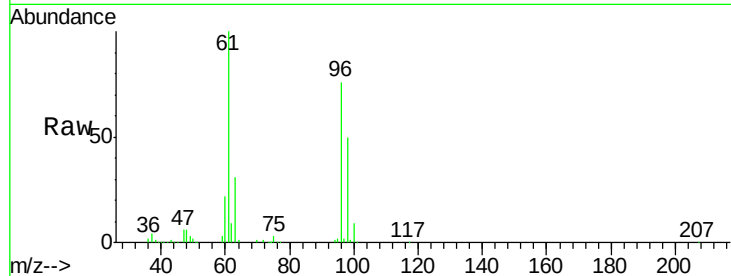
WP021SB487-13-15-180621

Tgt Ion: 43 Resp: 1277

Ion Ratio Lower Upper

43 100

72 120.1 20.3 30.5#



#27

cis-1,2-Dichloroethene

Concen: 78.546 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

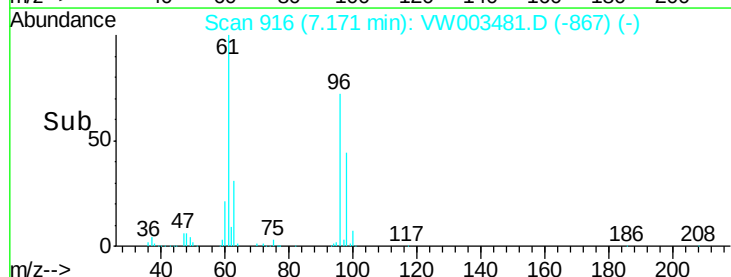
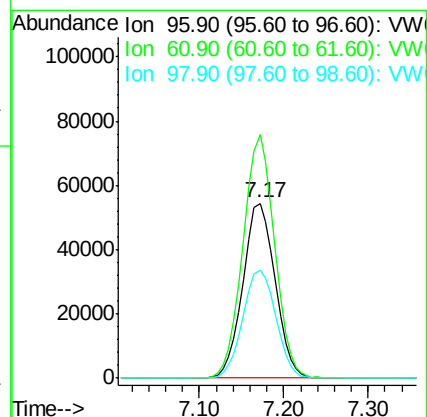
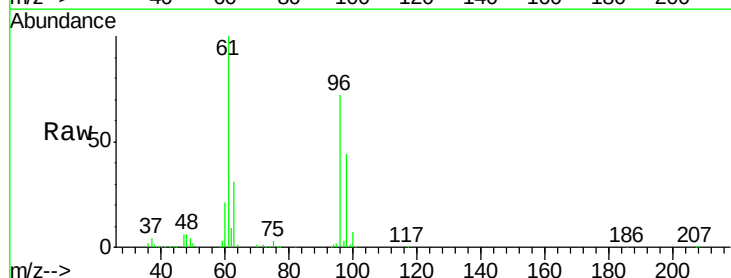
Tgt Ion: 96 Resp: 140535

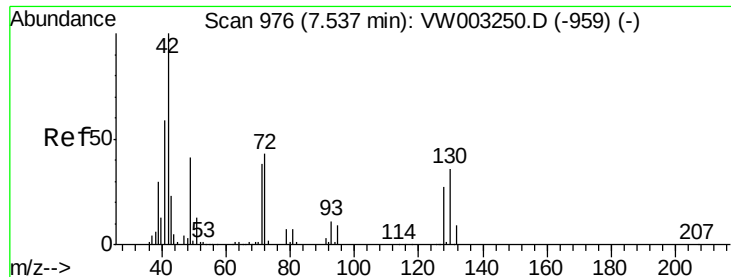
Ion Ratio Lower Upper

96 100

61 136.7 0.0 298.8

98 63.7 0.0 130.4

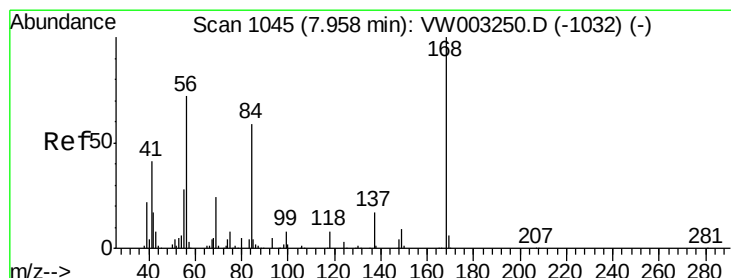
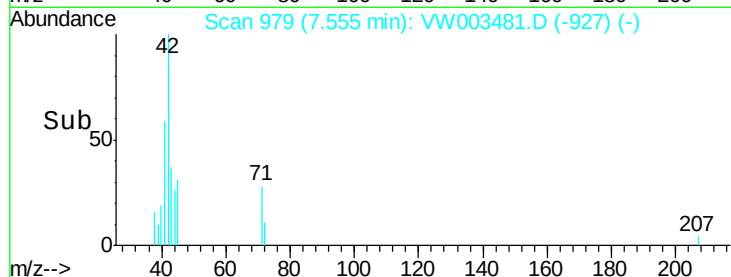
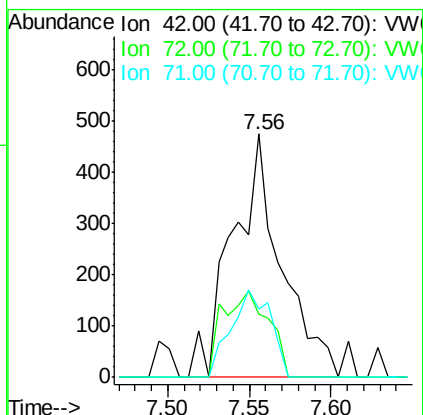
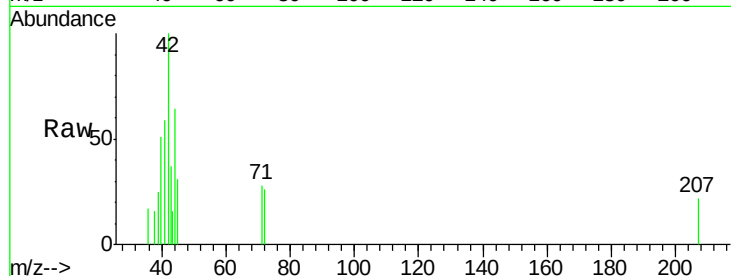




#29
Tetrahydrofuran
Concen: 3.479 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

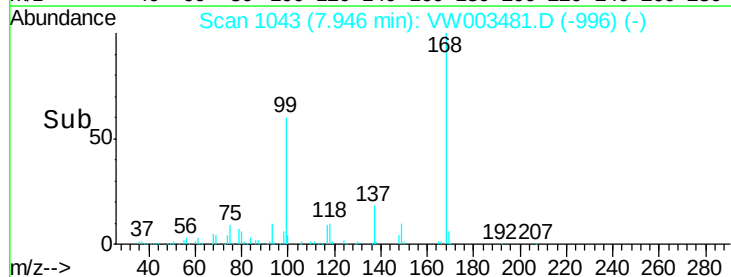
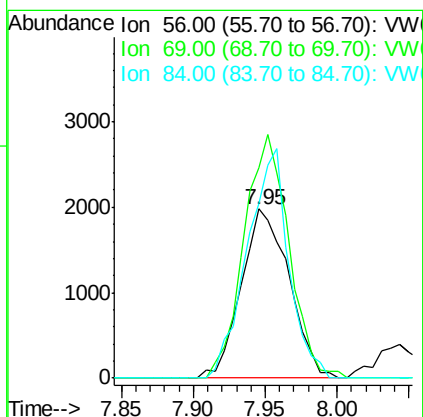
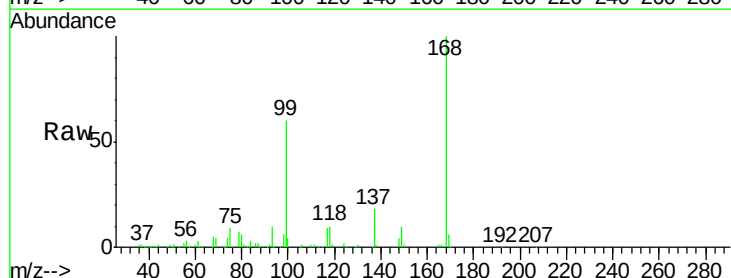
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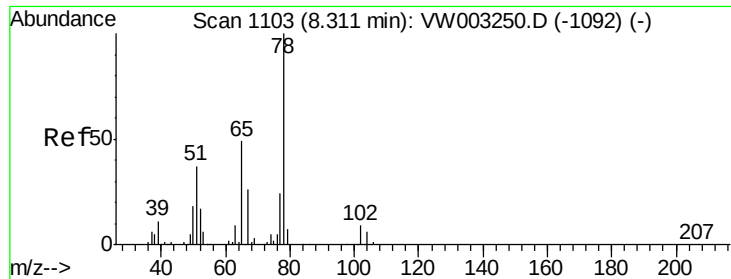
Tgt Ion: 42 Resp: 993
Ion Ratio Lower Upper
42 100
72 33.3 32.4 48.6
71 29.2 31.2 46.8#



#31
Cyclohexane
Concen: 1.579 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Tgt Ion: 56 Resp: 4570
Ion Ratio Lower Upper
56 100
69 124.7 26.3 39.5#
84 102.8 65.7 98.5#

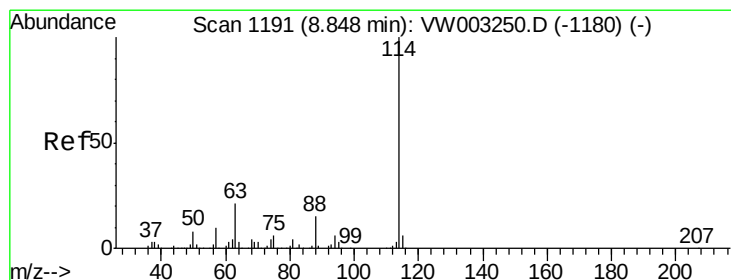
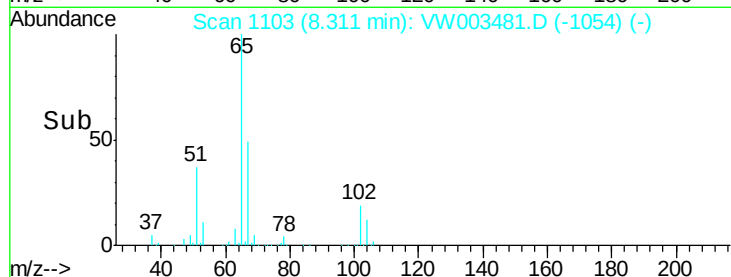
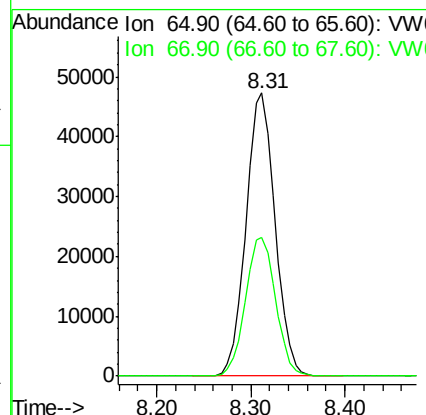
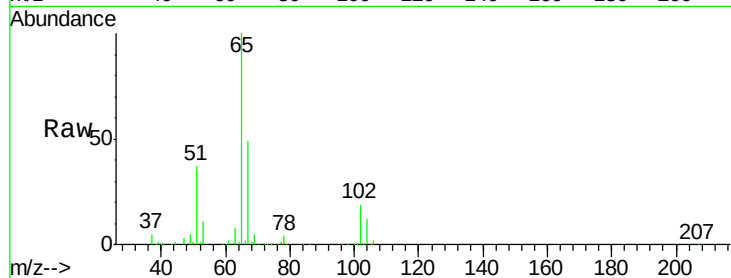




#33
 1,2-Dichloroethane-d4
 Concen: 57.129 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

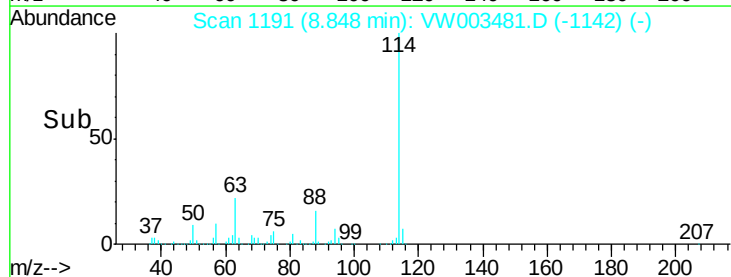
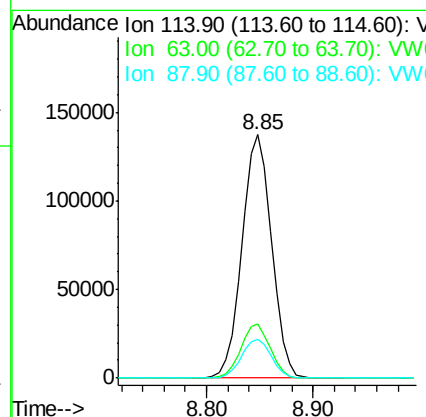
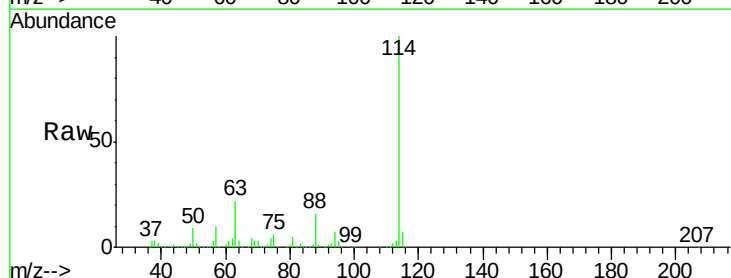
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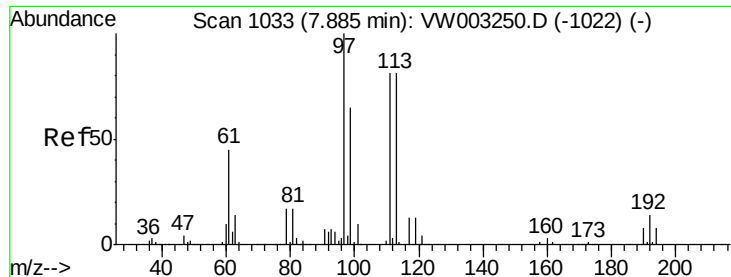
Tgt Ion: 65 Resp: 102299
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Tgt Ion: 114 Resp: 268590
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.0
 88 15.8 0.0 29.6

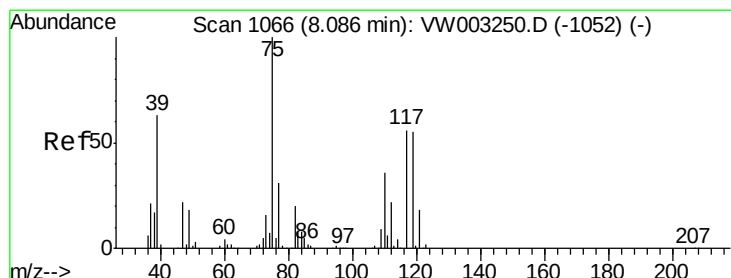
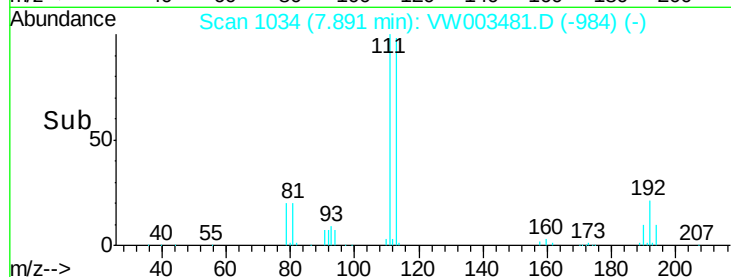
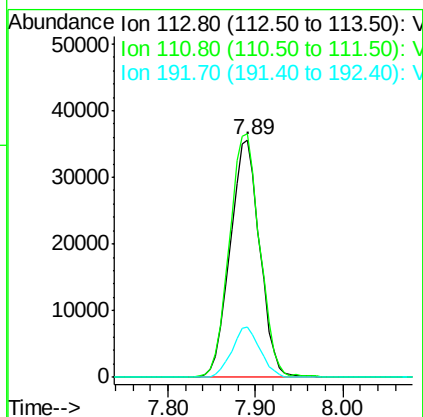
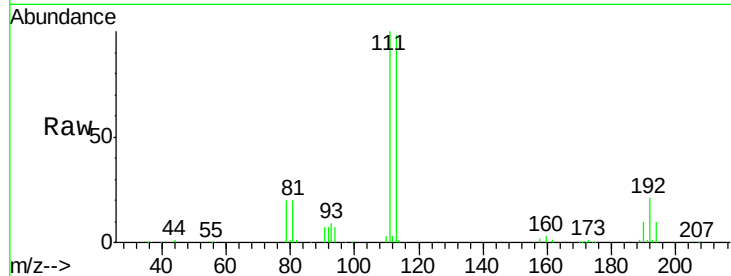




#35
 Dibromofluoromethane
 Concen: 50.351 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

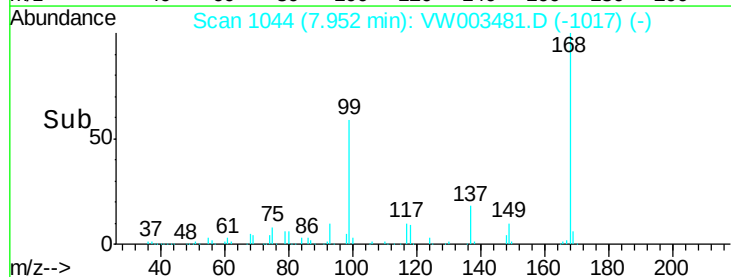
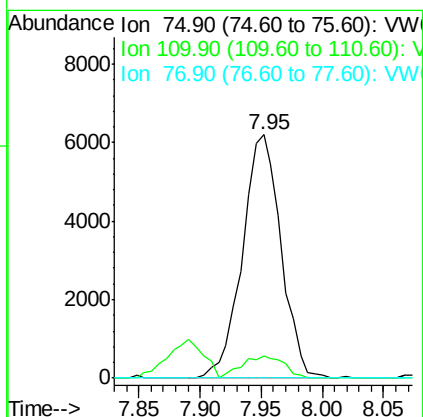
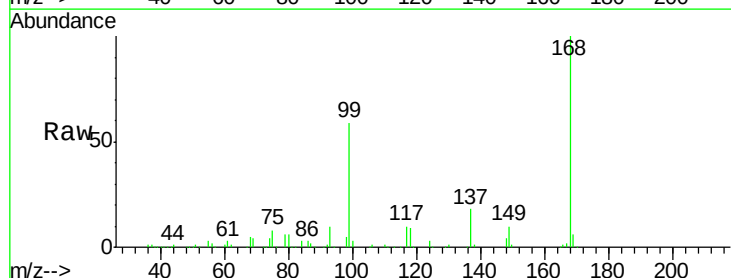
Instrument :
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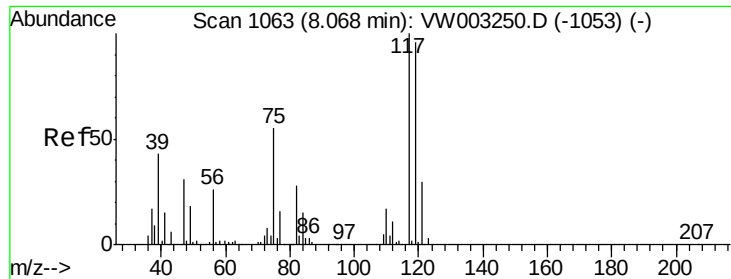
Tgt Ion: 113 Resp: 84032
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.2 123.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.240 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Tgt Ion: 75 Resp: 13592
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.470 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-13-15-180621

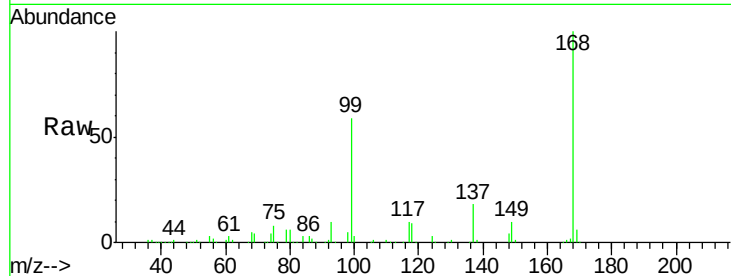
Tgt Ion: 117 Resp: 16461

Ion Ratio Lower Upper

117 100

119 3.8 76.6 115.0#

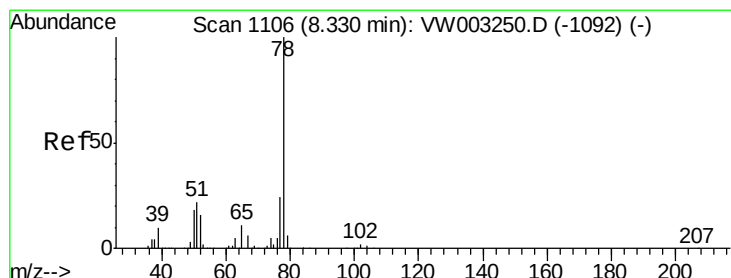
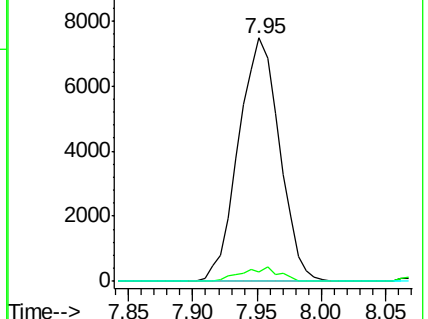
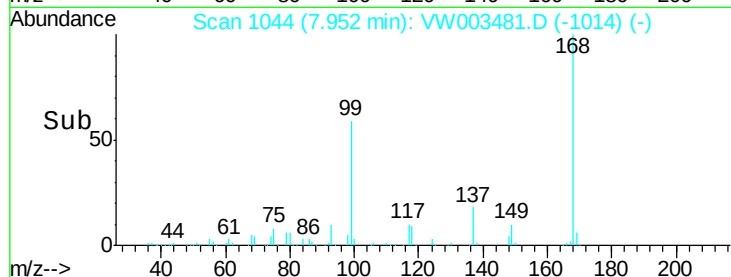
121 0.0 23.9 35.9#



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



#40

Benzene

Concen: 1.186 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003481.D

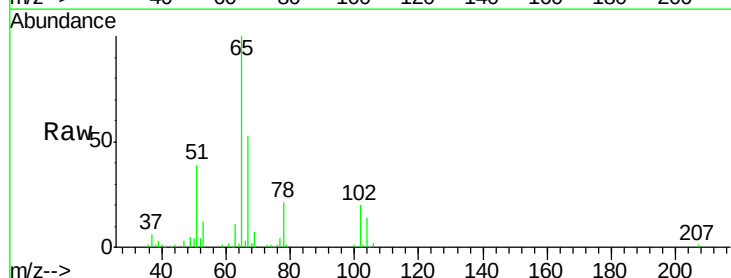
Acq: 24 Jun 2018 01:55

Tgt Ion: 78 Resp: 8482

Ion Ratio Lower Upper

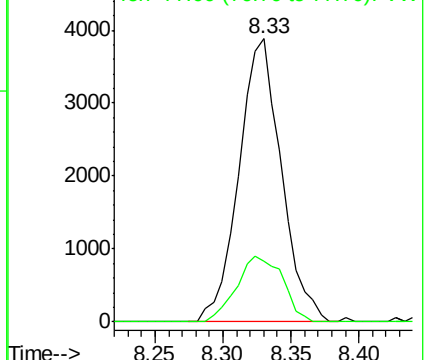
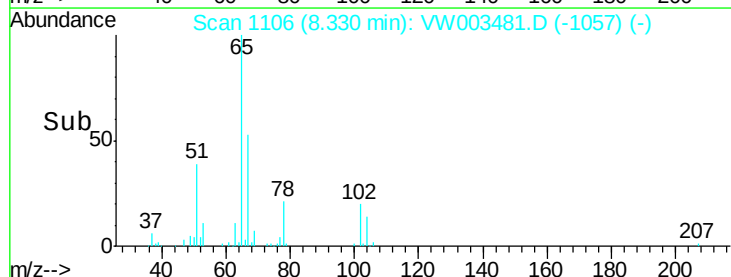
78 100

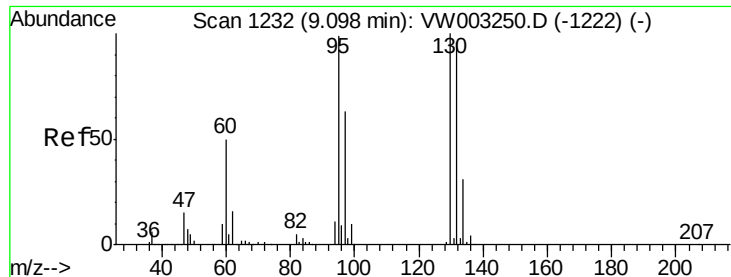
77 21.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Trichloroethene

Concen: 1.133 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

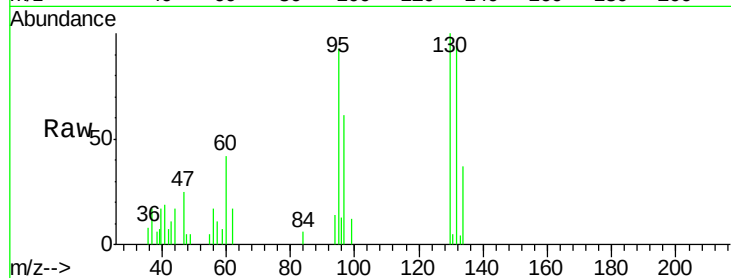
WP021SB487-13-15-180621

Tgt Ion:130 Resp: 2147

Ion Ratio Lower Upper

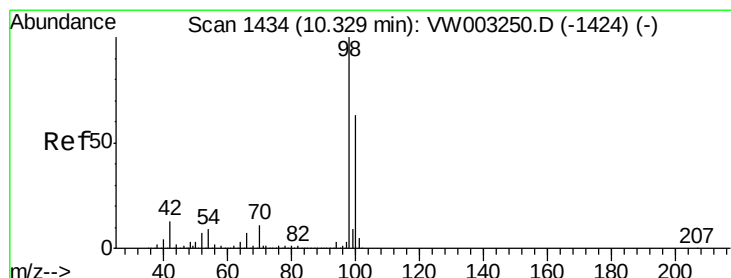
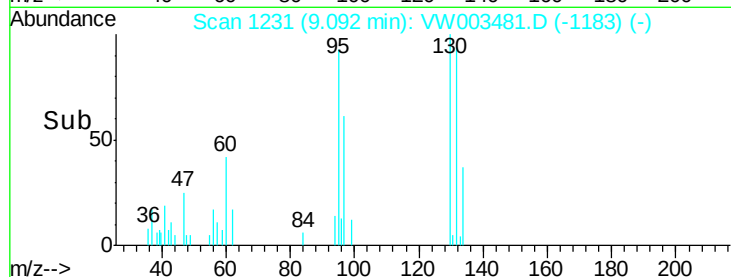
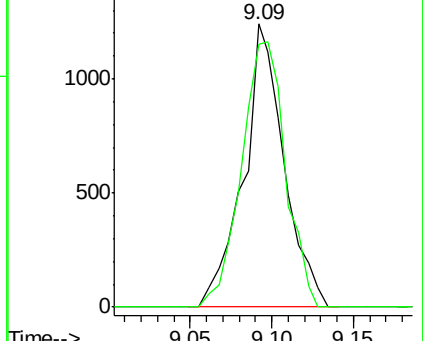
130 100

95 93.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 44.980 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003481.D

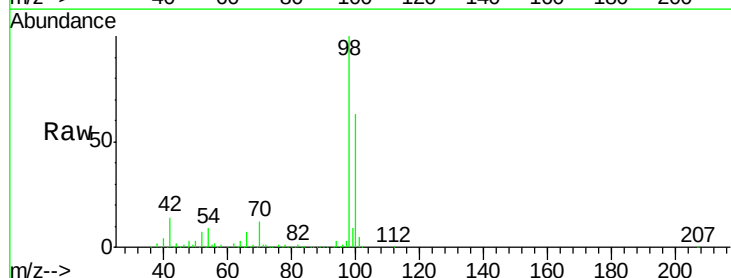
Acq: 24 Jun 2018 01:55

Tgt Ion: 98 Resp: 297662

Ion Ratio Lower Upper

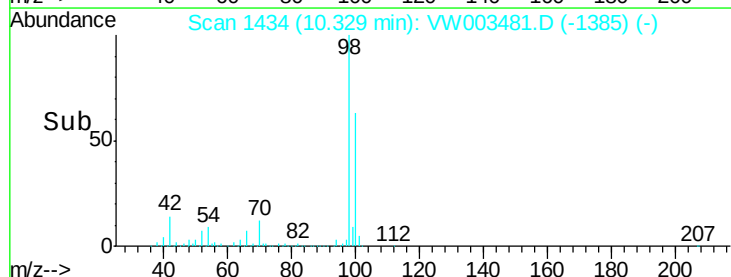
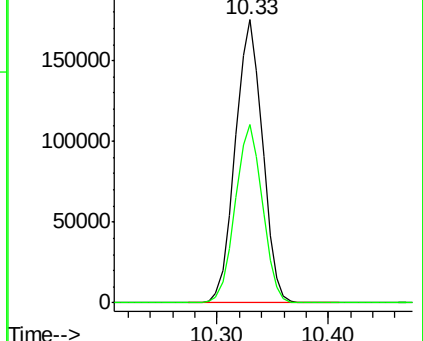
98 100

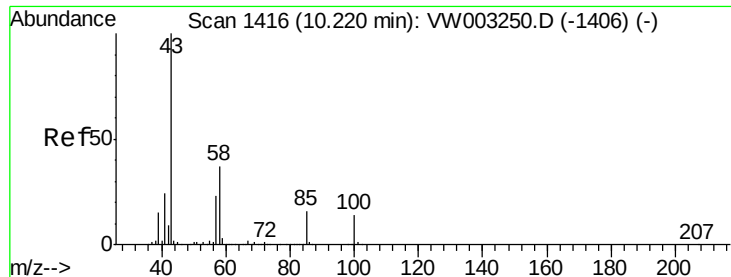
100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.187 ug/l

RT: 10.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

Instrument :

MSVOA_W

ClientSampleId :

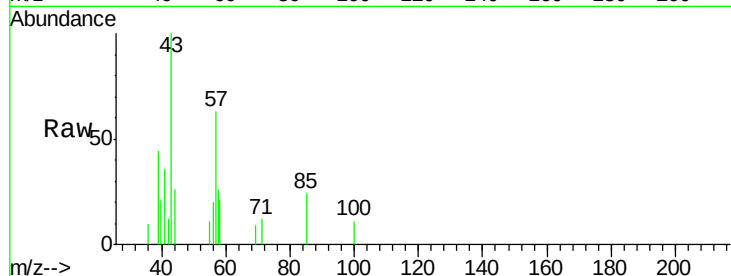
WP021SB487-13-15-180621

Tgt Ion: 43 Resp: 1291

Ion Ratio Lower Upper

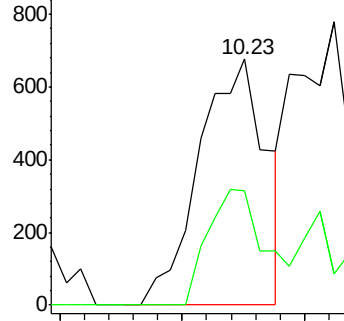
43 100

58 41.1 29.0 43.4

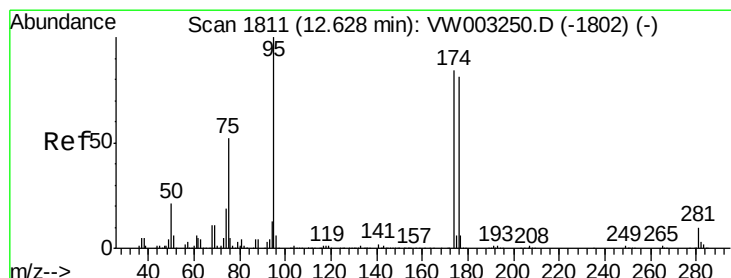
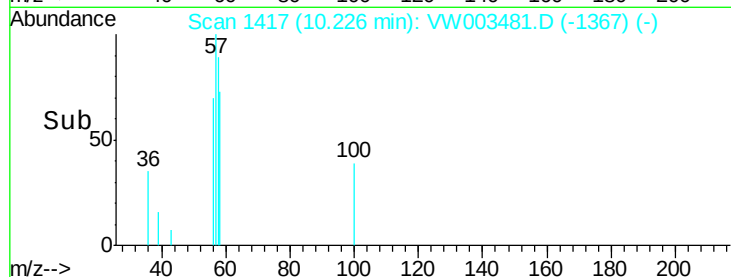


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time--> 10.15 10.20 10.25



#62

4-Bromofluorobenzene

Concen: 50.316 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003481.D

Acq: 24 Jun 2018 01:55

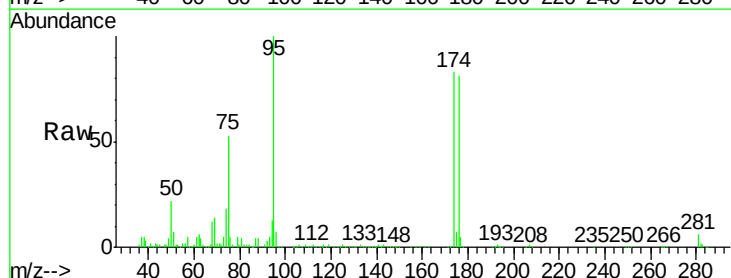
Tgt Ion: 95 Resp: 117838

Ion Ratio Lower Upper

95 100

174 81.4 0.0 166.4

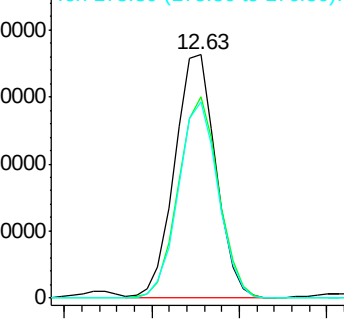
176 78.7 0.0 162.0



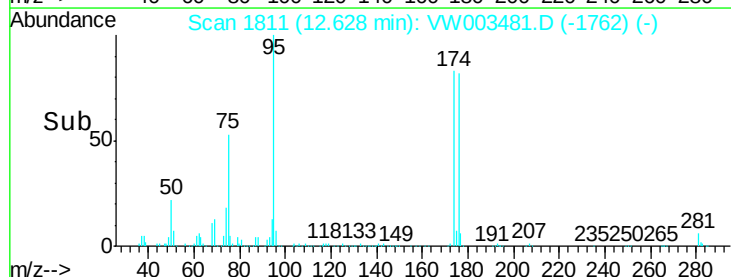
Abundance Ion 94.90 (94.60 to 95.60): VW

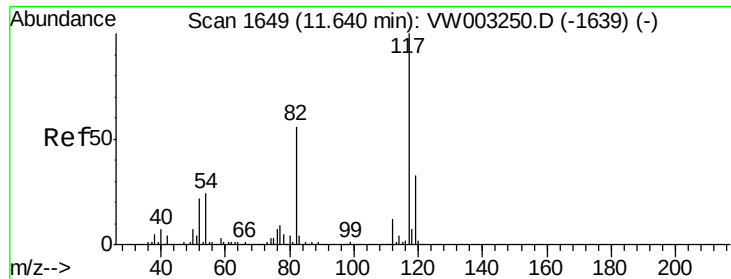
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.55 12.60 12.65

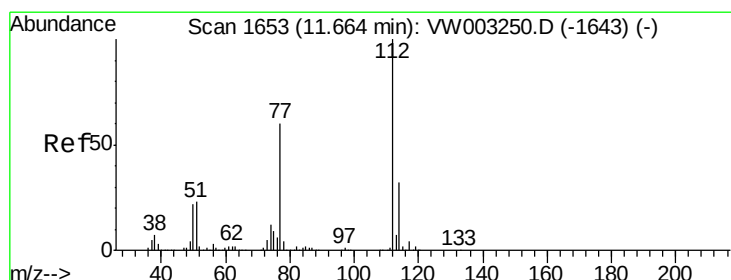
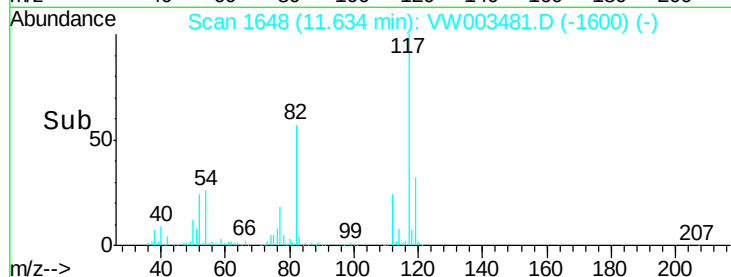
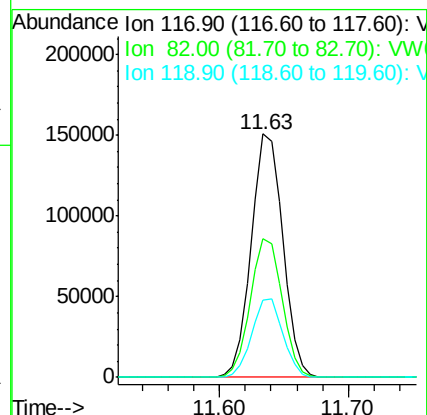
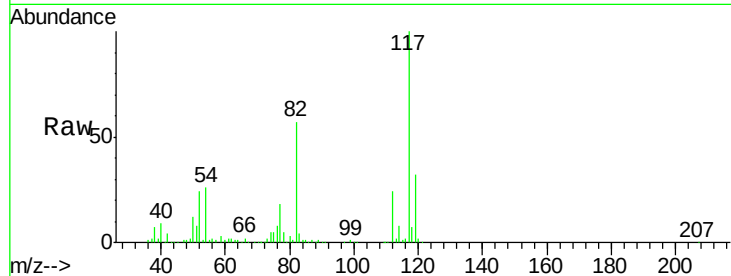




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

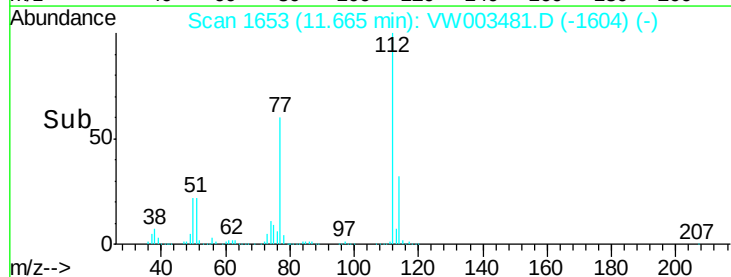
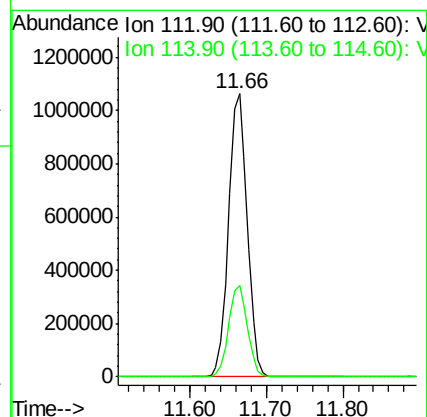
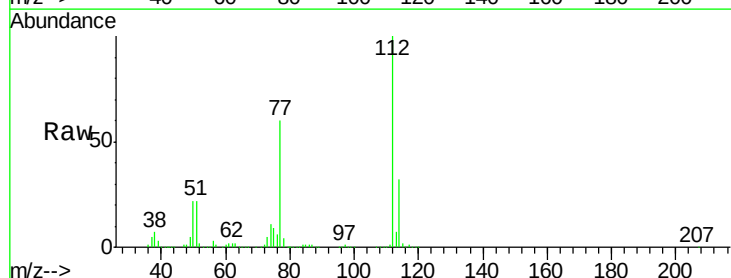
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621

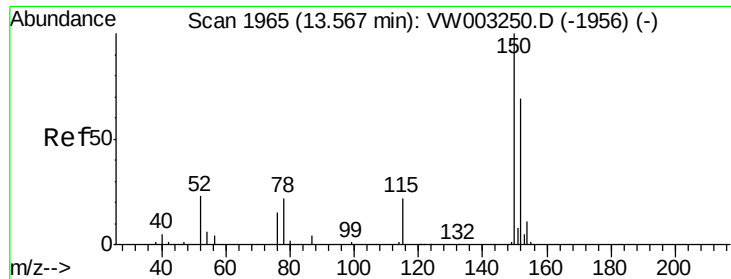
Tgt Ion:117 Resp: 255016
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.6 26.7 40.1



#65
Chlorobenzene
Concen: 335.666 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Tgt Ion:112 Resp: 1782550
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



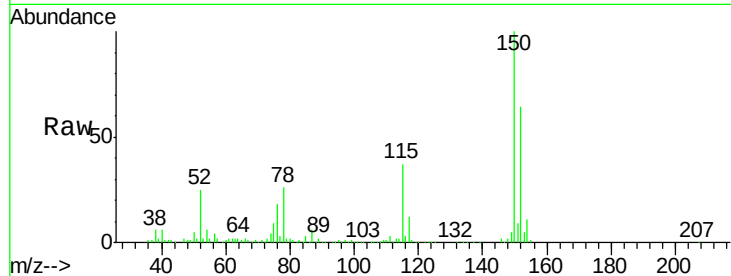


#72

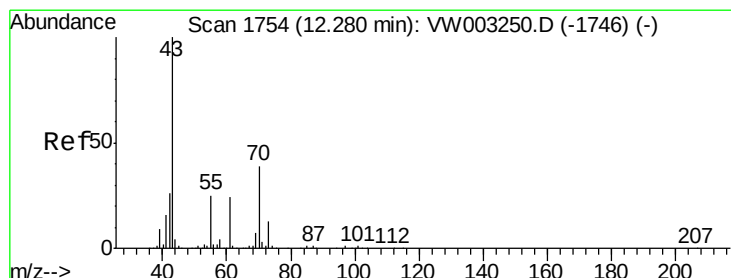
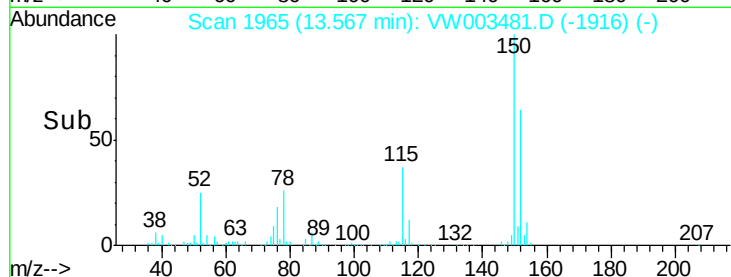
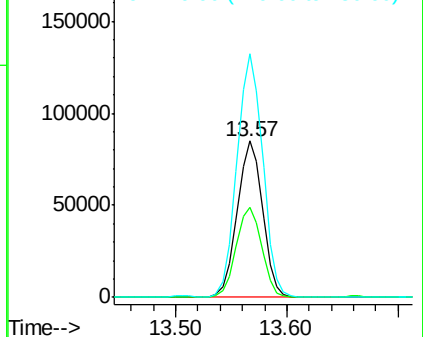
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621

Tgt Ion:152 Resp: 133669
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 158.6 0.0 349.6



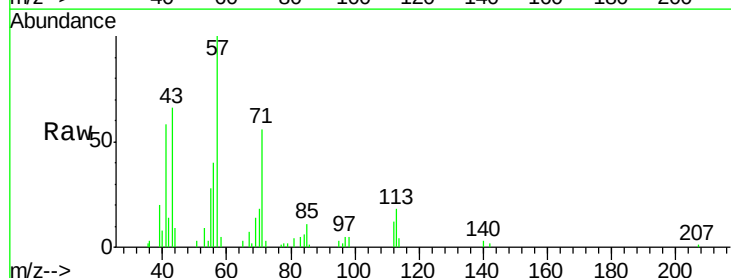
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



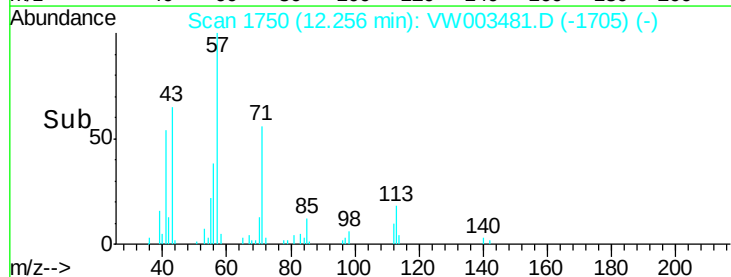
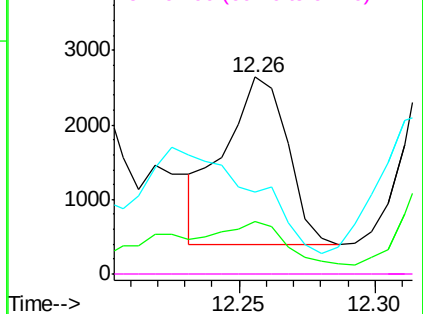
#74

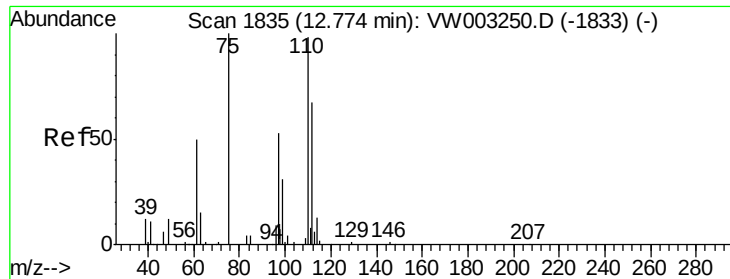
N-ethyl acetate
Concen: 1.722 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Tgt Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
70 25.0 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

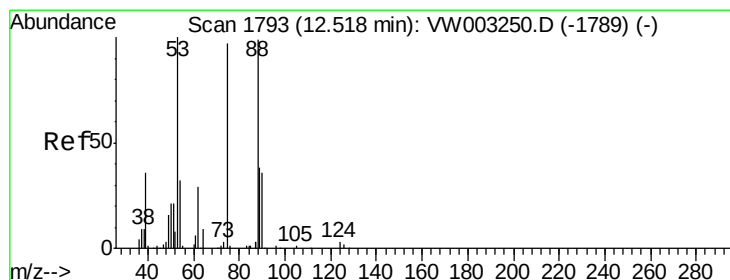
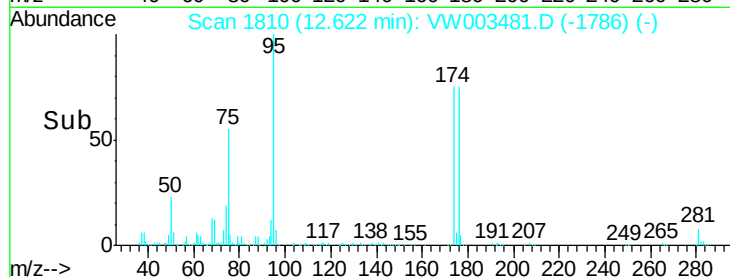
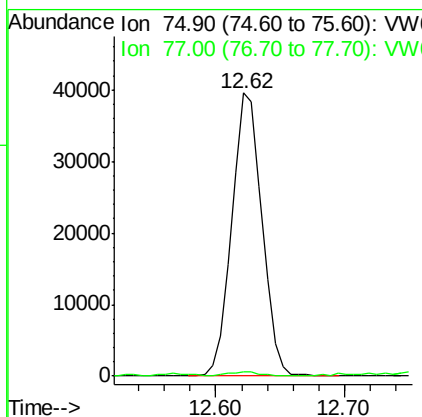
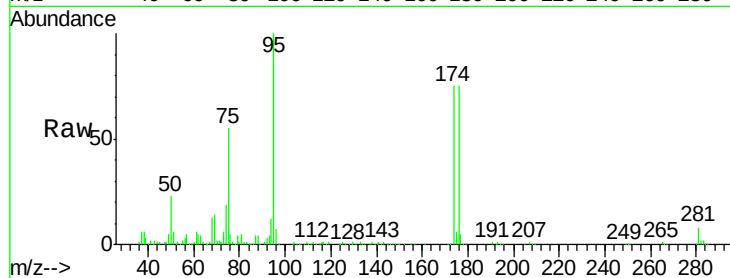




#76
 1,2,3-Trichloropropane
 Concen: 56.490 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

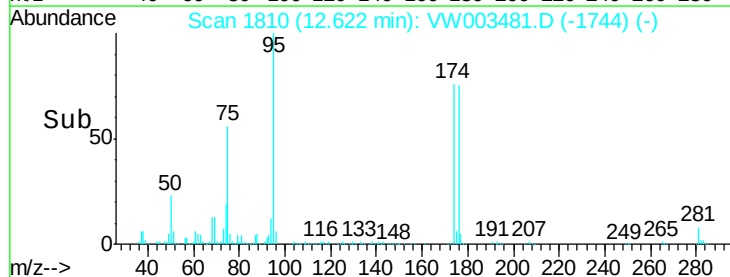
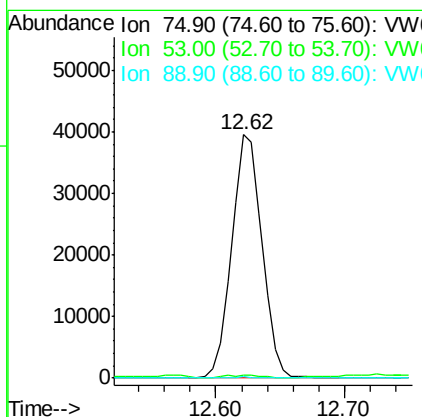
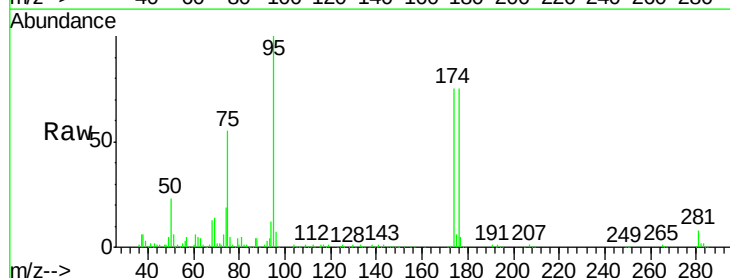
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621

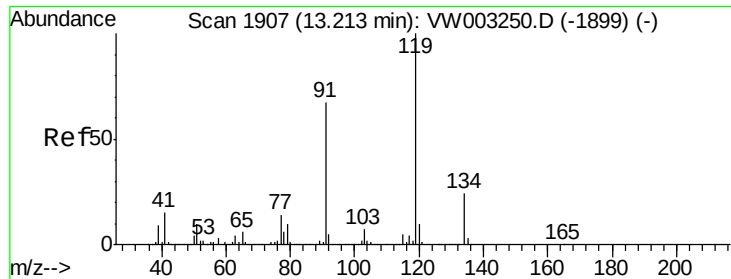
Tgt Ion: 75 Resp: 64552
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.987 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Tgt Ion: 75 Resp: 64552
 Ion Ratio Lower Upper
 75 100
 53 1.0 82.9 124.3#
 89 0.2 36.7 55.1#

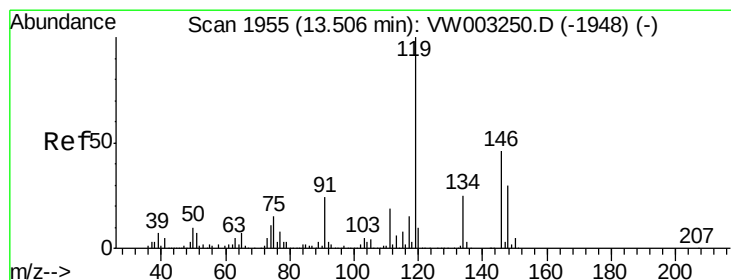
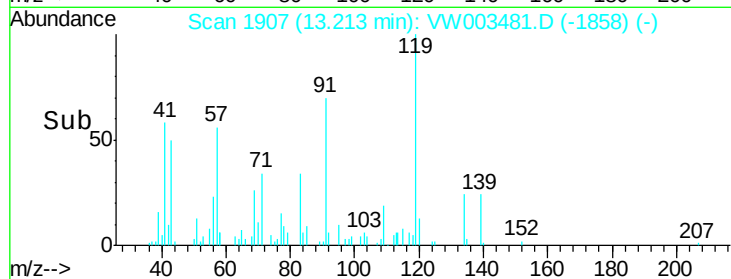
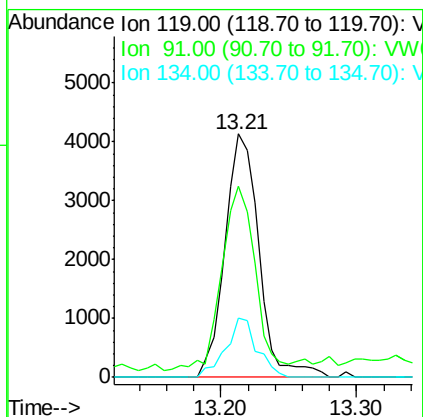
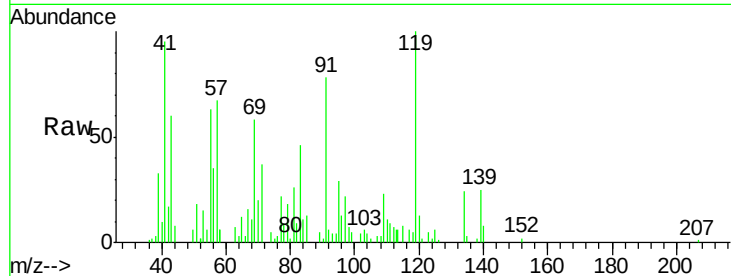




#83
tert-Butylbenzene
Concen: 1.081 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

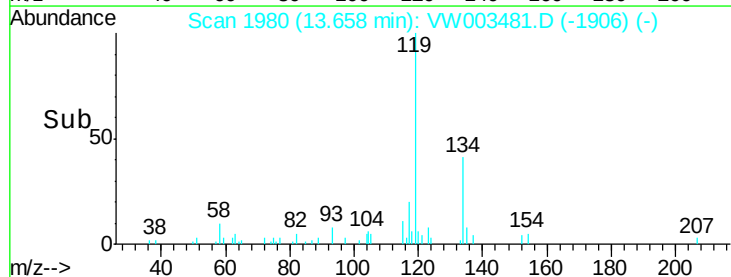
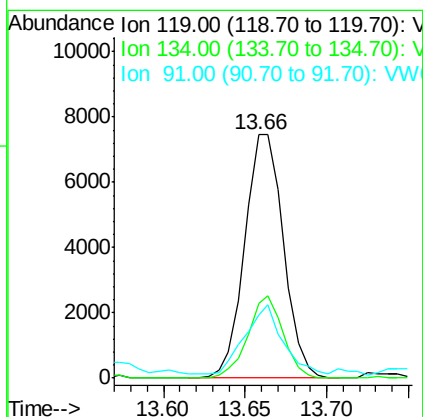
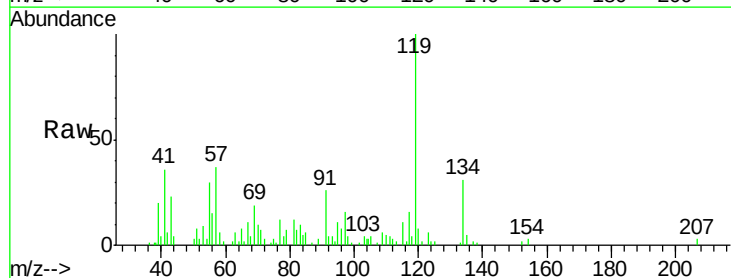
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-13-15-180621

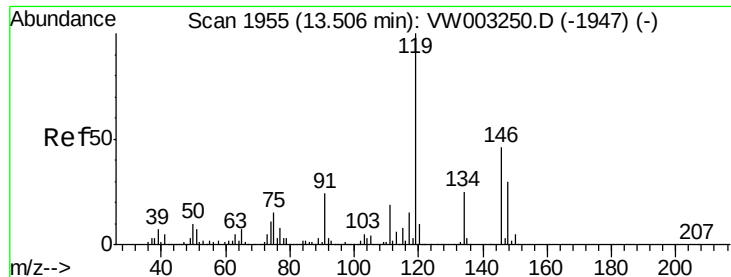
Tgt Ion:119 Resp: 7189
Ion Ratio Lower Upper
119 100
91 73.4 33.9 101.7
134 22.4 13.4 40.1



#86
p-Isopropyltoluene
Concen: 1.416 ug/l
RT: 13.66 min Scan# 1980
Delta R.T. 0.15 min
Lab File: VW003481.D
Acq: 24 Jun 2018 01:55

Tgt Ion:119 Resp: 12349
Ion Ratio Lower Upper
119 100
134 30.5 12.9 38.7
91 27.2 11.8 35.3

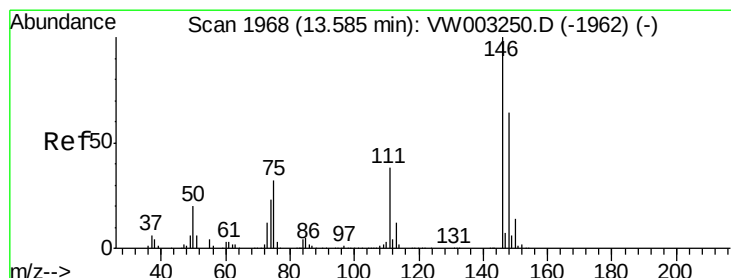
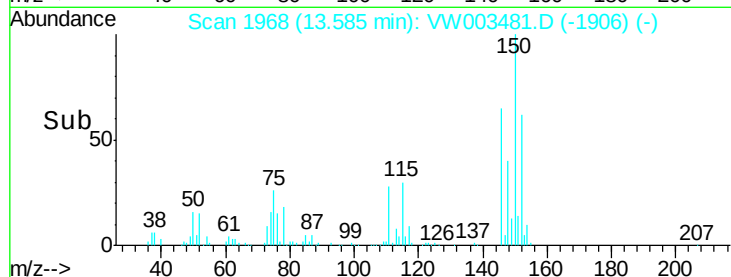
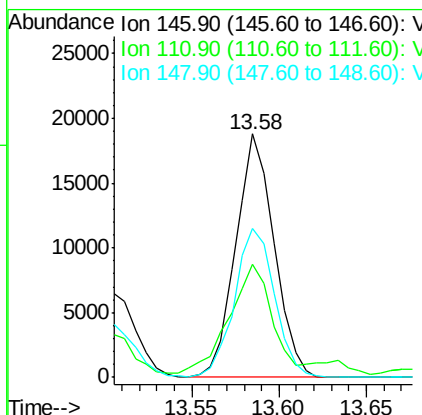
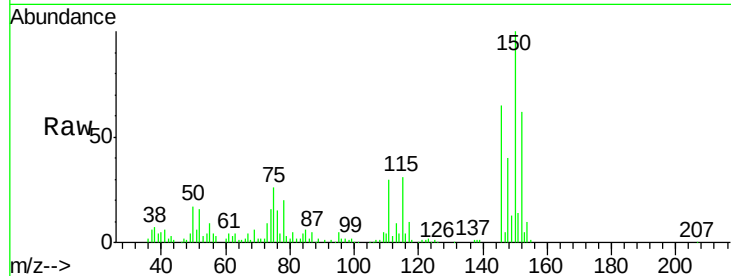




#87
 1,3-Dichlorobenzene
 Concen: 6.450 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.08 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

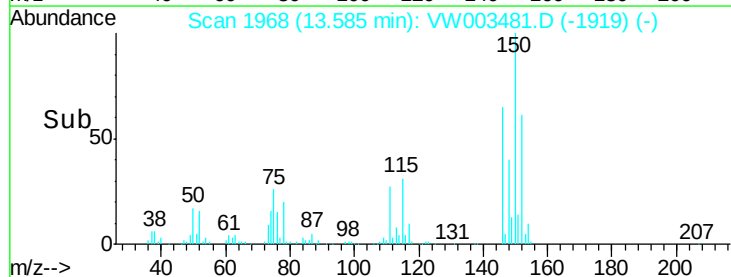
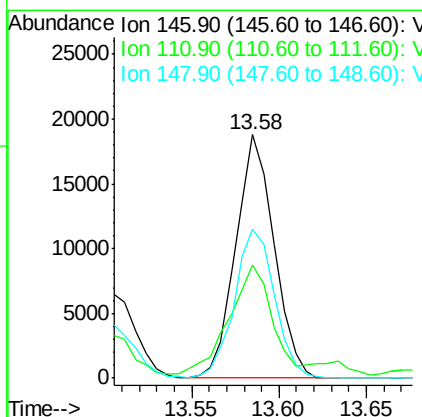
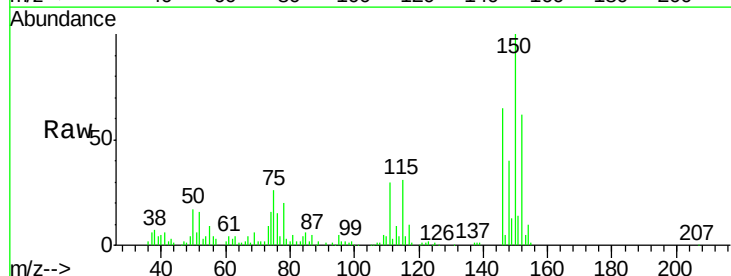
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621

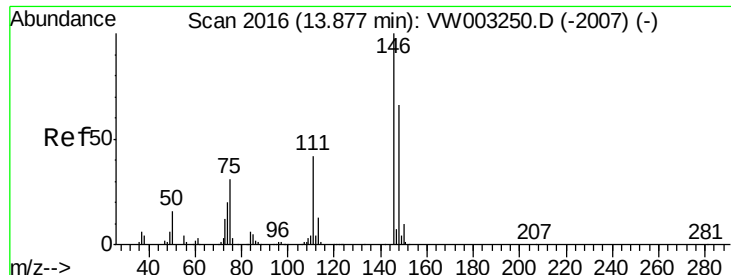
Tgt Ion:146 Resp: 28692
 Ion Ratio Lower Upper
 146 100
 111 51.3 19.8 59.4
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 6.488 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Tgt Ion:146 Resp: 28692
 Ion Ratio Lower Upper
 146 100
 111 51.6 19.2 57.6
 148 64.1 31.8 95.4

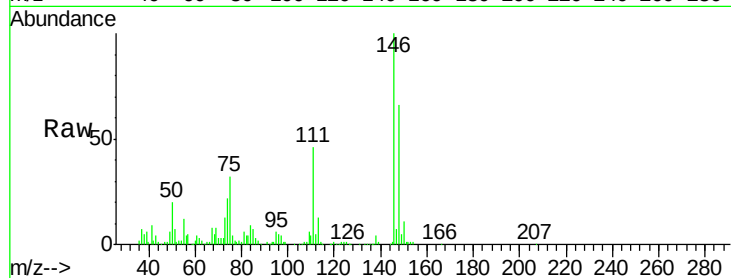




#91
 1,2-Dichlorobenzene
 Concen: 15.806 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003481.D
 Acq: 24 Jun 2018 01:55

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-13-15-180621

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.3	61.0
148	63.2	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

