

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004016.D
 Acq On : 18 Jul 2018 06:54
 Operator : VA/AP
 Sample : J3819-03RE
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-071318-BRE

Quant Time: Jul 18 07:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	141807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	130025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	52914	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	110076	69.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.88%	
35) Dibromofluoromethane	7.88	113	95420	60.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.24%	
50) Toluene-d8	10.33	98	162926	26.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.36%	
62) 4-Bromofluorobenzene	12.62	95	67458	30.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.26%	

Target Compounds

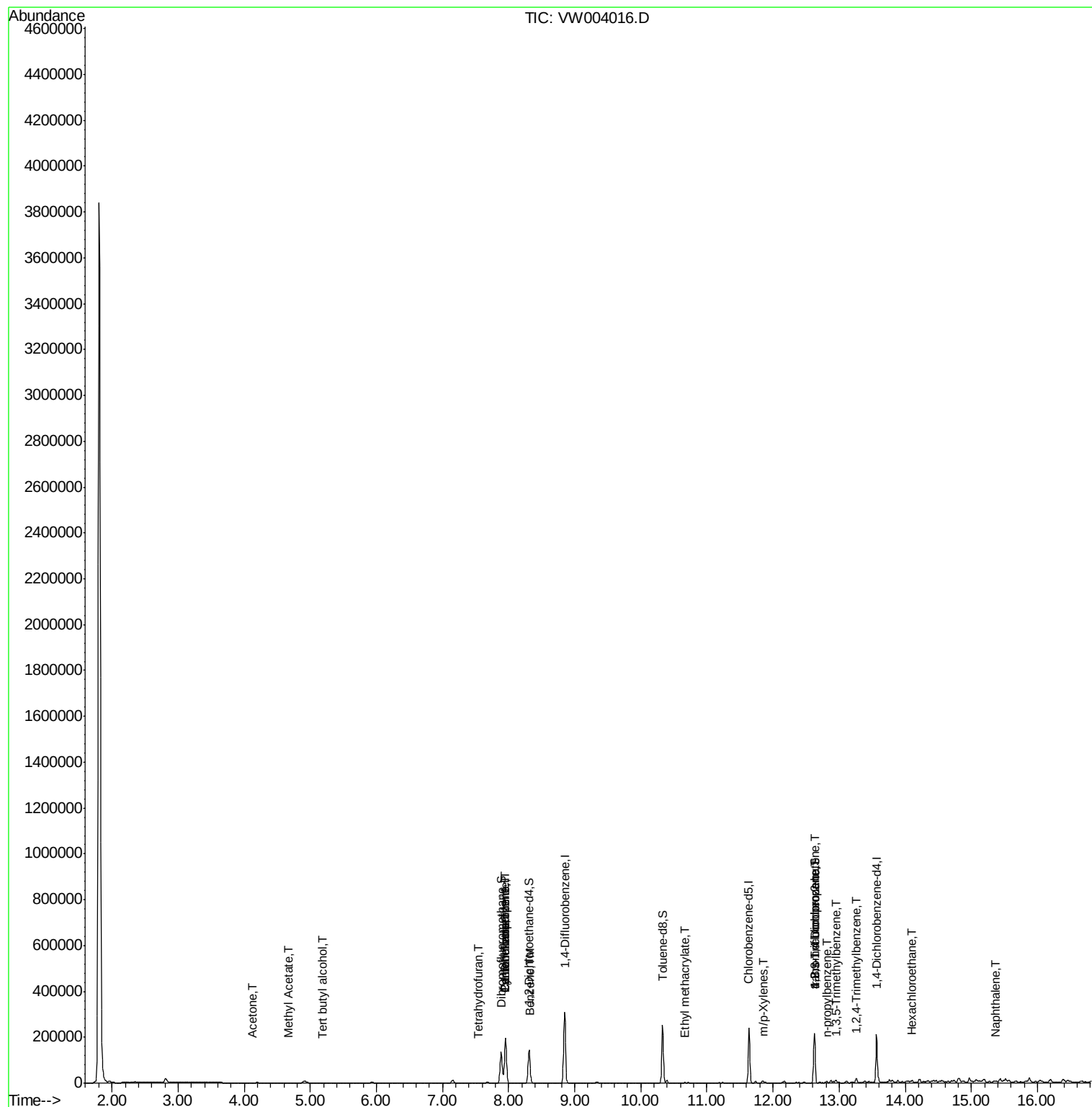
						Qvalue
11) Tert butyl alcohol	5.18	59	600	5.483	ug/l #	72
16) Acetone	4.12	43	1791	4.702	ug/l #	88
18) Methyl Acetate	4.68	43	1923	2.103	ug/l #	71
20) Methylene Chloride	4.92	84	7255	Below Cal		97
29) Tetrahydrofuran	7.54	42	433	1.356	ug/l #	60
31) Cyclohexane	7.95	56	4416	1.679	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	11920	4.723	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14318	6.071	ug/l #	18
40) Benzene	8.33	78	8337	1.191	ug/l	92
56) Ethyl methacrylate	10.68	69	249	3.072	ug/l #	1
68) m/p-Xylenes	11.84	106	2600	1.401	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	36085	68.692	ug/l #	100
78) n-propylbenzene	12.81	91	4785	1.043	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	3516	1.117	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	36085	151.945	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	10222	3.158	ug/l	97
90) Hexachloroethane	14.11	117	664	1.048	ug/l #	9
95) Naphthalene	15.38	128	2926	1.418	ug/l #	89

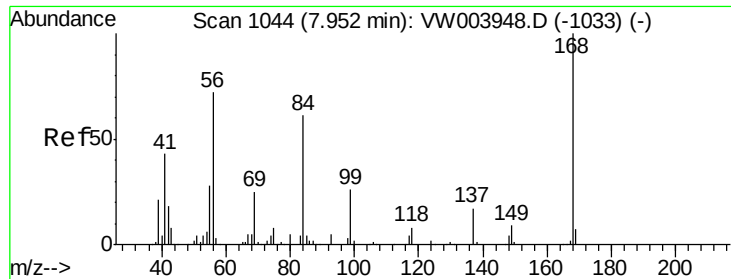
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

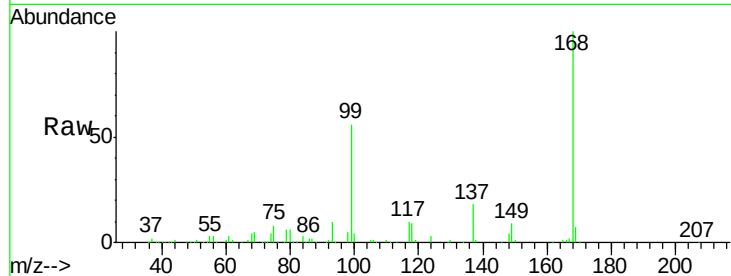
AU-05-071318-BRE

Tot Ion:168 Resp: 141807

Ion Ratio Lower Upper

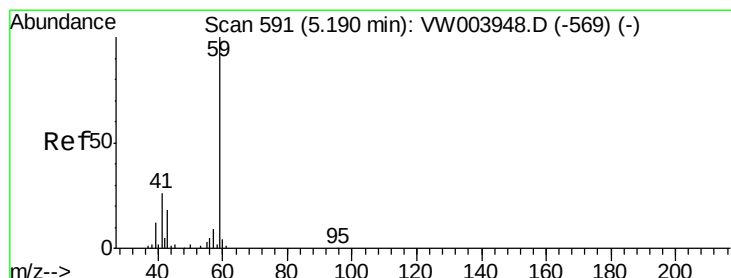
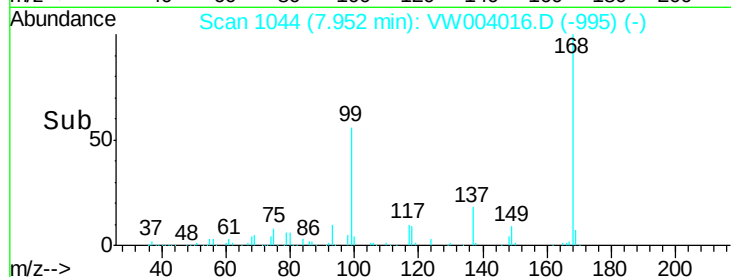
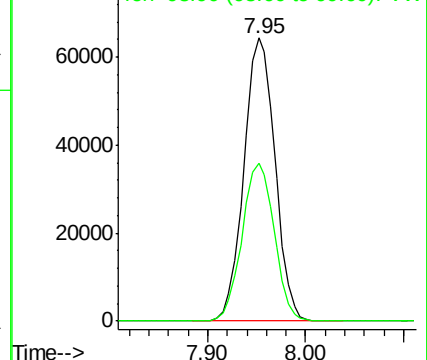
168 100

99 56.0 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.483 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004016.D

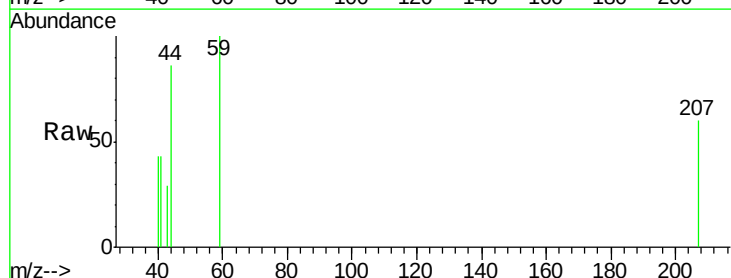
Acq: 18 Jul 2018 06:54

Tgt Ion: 59 Resp: 600

Ion Ratio Lower Upper

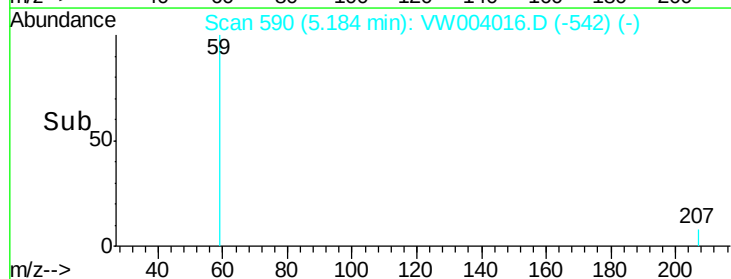
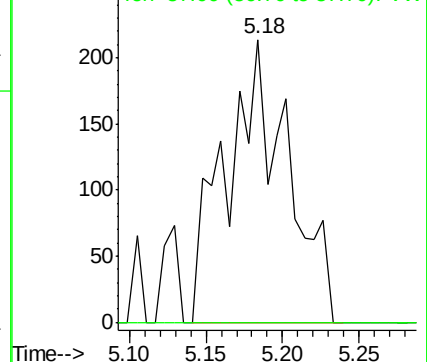
59 100

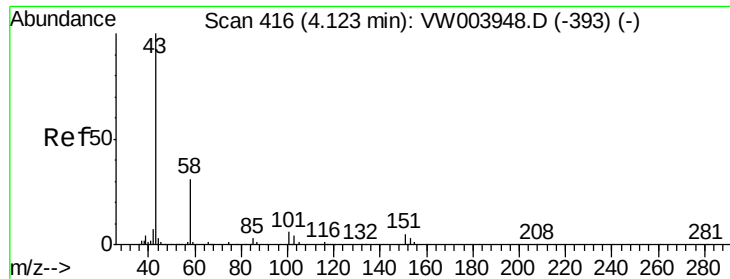
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.702 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

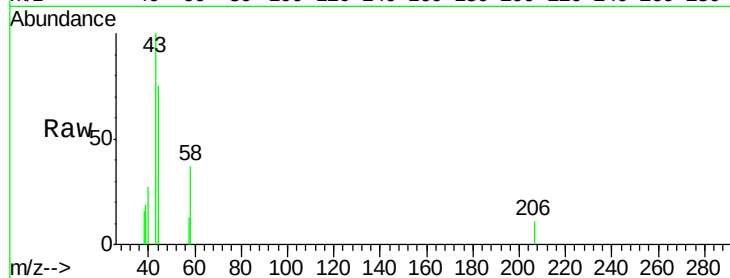
AU-05-071318-BRE

Tot Ion: 43 Resp: 1791

Ion Ratio Lower Upper

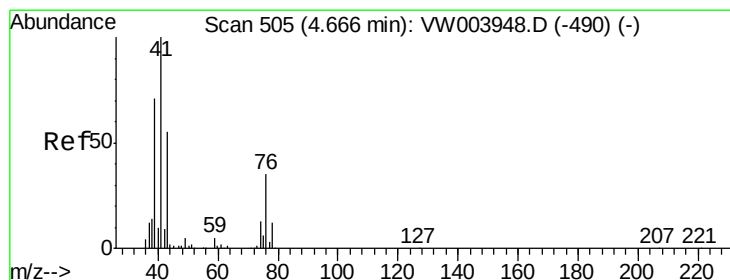
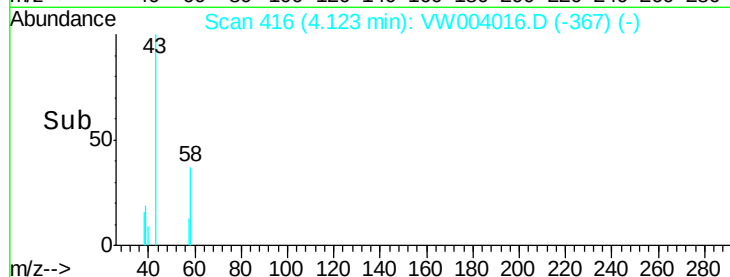
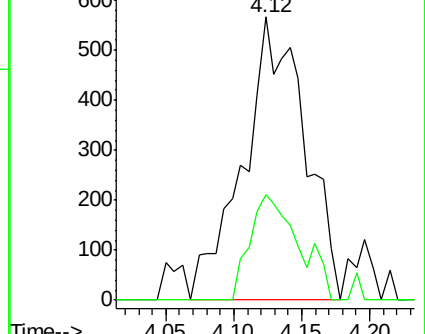
43 100

58 37.4 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.103 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004016.D

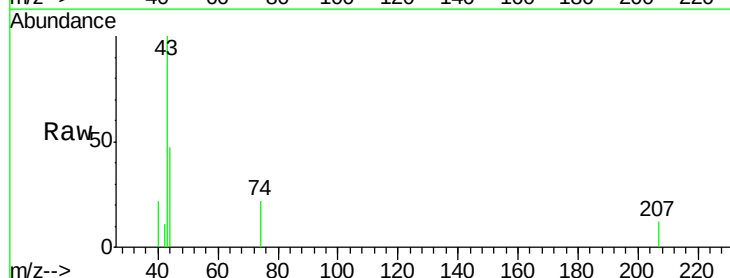
Acq: 18 Jul 2018 06:54

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

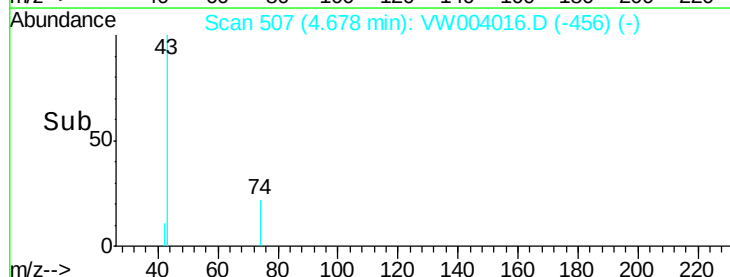
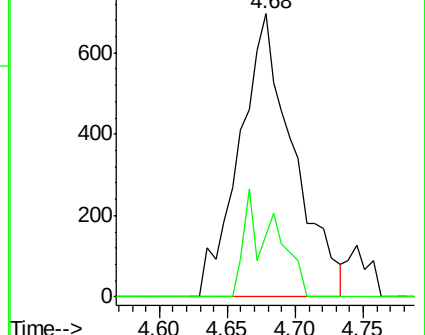
43 100

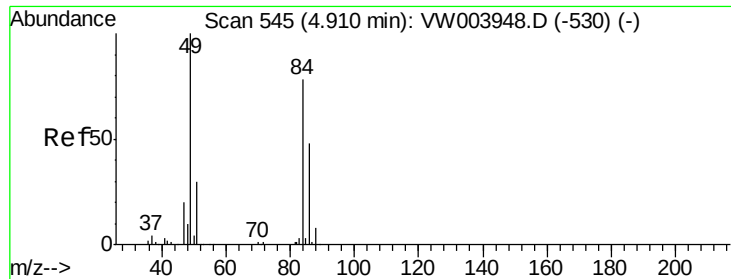
74 8.5 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

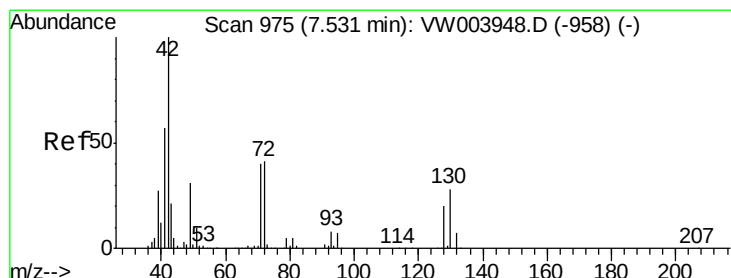
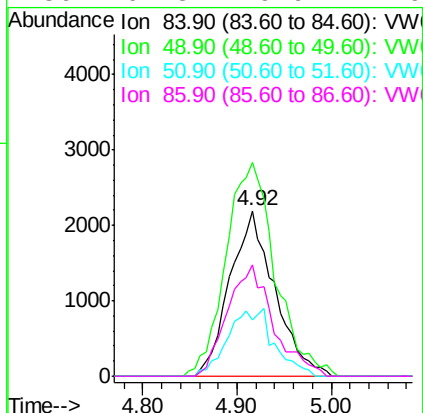
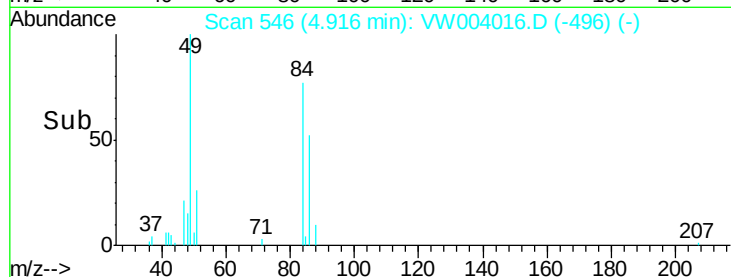
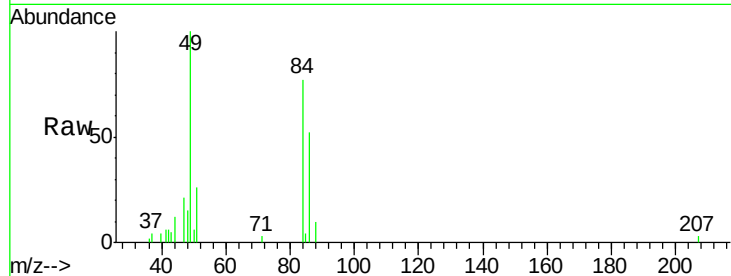




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

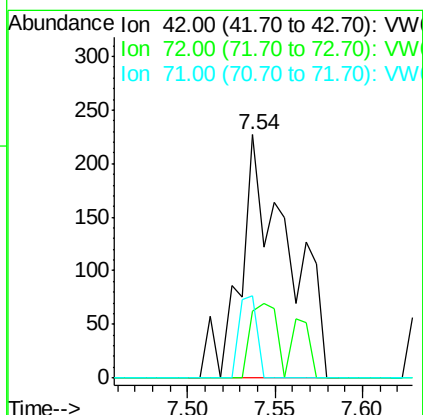
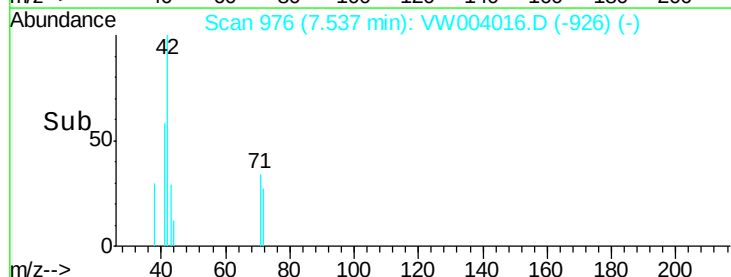
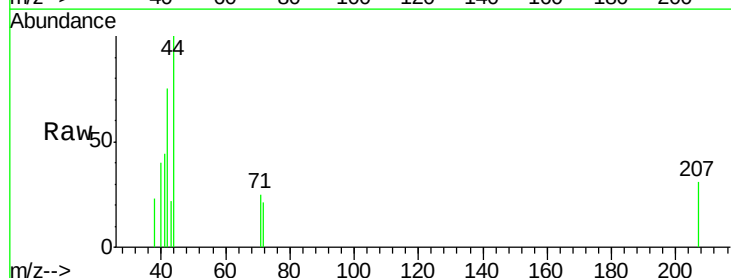
Instrument :
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AU-05-071318-BRE

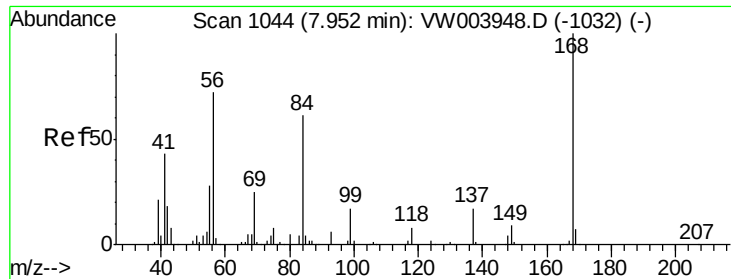
Tot Ion:	84	Resp:	7255
Ion	Ratio	Lower	Upper
84	100		
49	129.1	102.9	154.3
51	34.1	30.9	46.3
86	67.3	49.9	74.9



#29
Tetrahydrofuran
Concen: 1.356 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

Tgt Ion:	42	Resp:	433
Ion	Ratio	Lower	Upper
42	100		
72	16.6	32.6	48.8#
71	12.7	30.5	45.7#

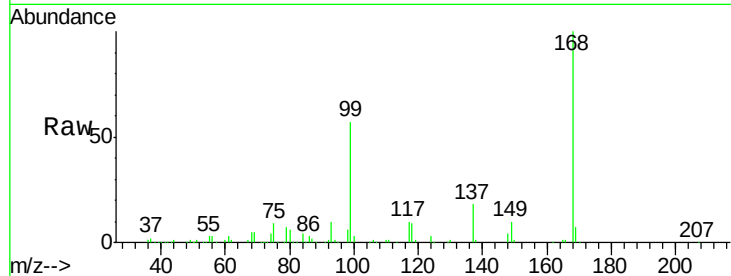




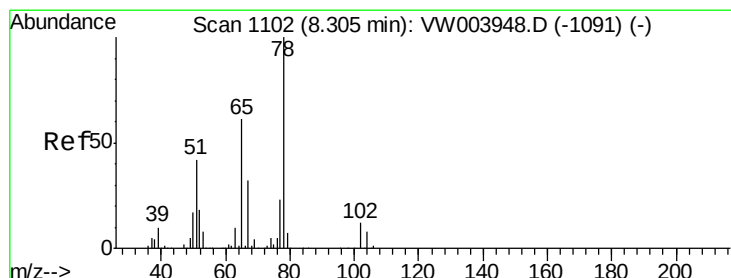
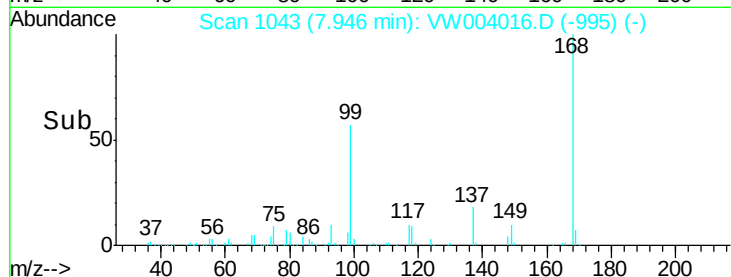
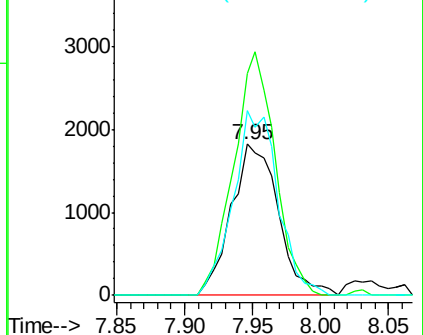
#31
Cyclohexane
Concen: 1.679 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-BRE

Tot Ion: 56 Resp: 4416
Ion Ratio Lower Upper
56 100
69 146.3 27.8 41.8#
84 121.8 67.2 100.8#

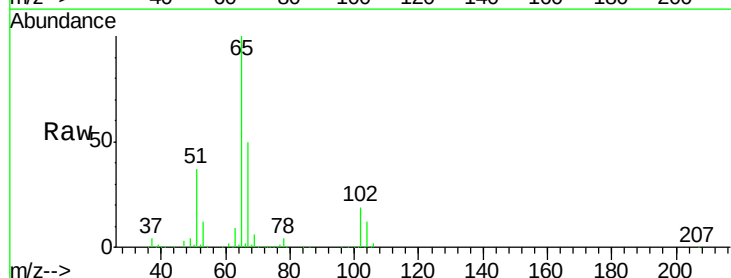


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

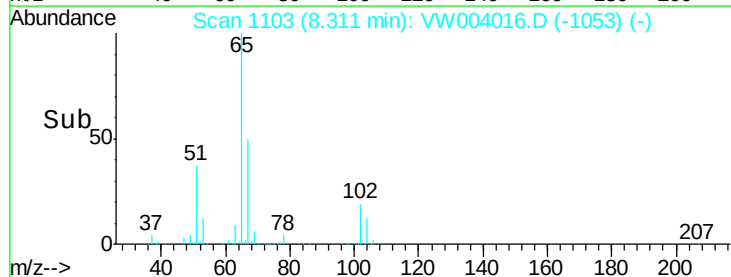
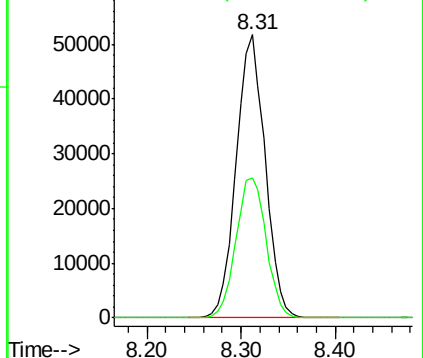


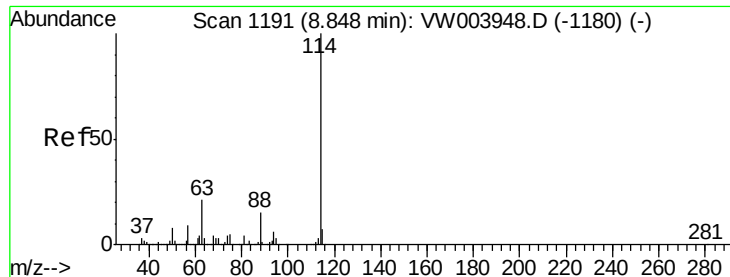
#33
1,2-Dichloroethane-d4
Concen: 69.443 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

Tgt Ion: 65 Resp: 110076
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0



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

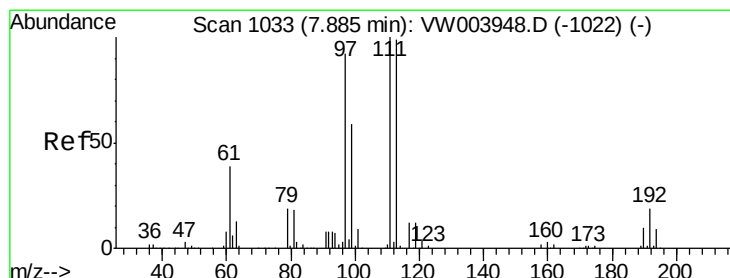
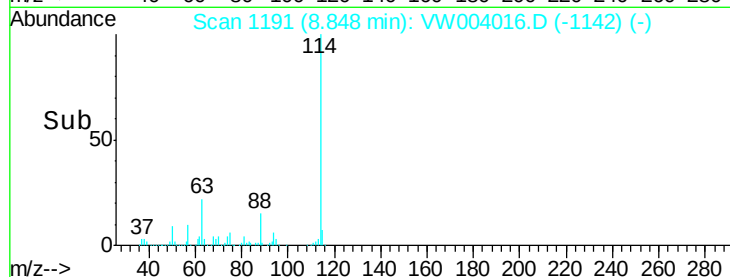
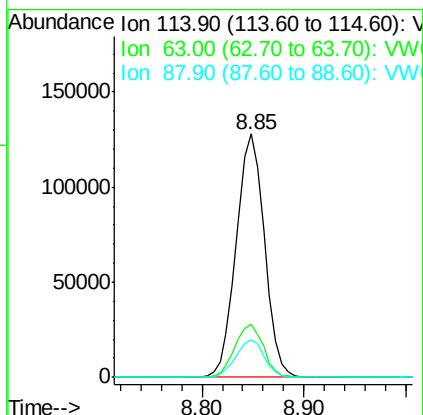
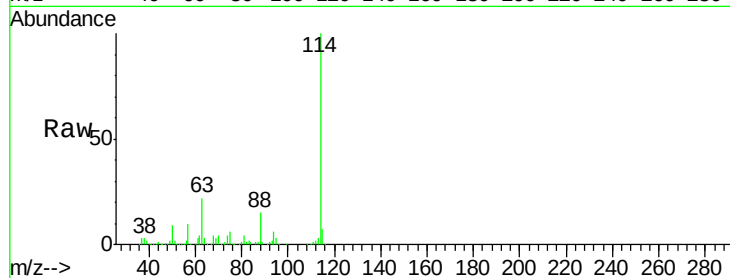




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004016.D
 Acq: 18 Jul 2018 06:54

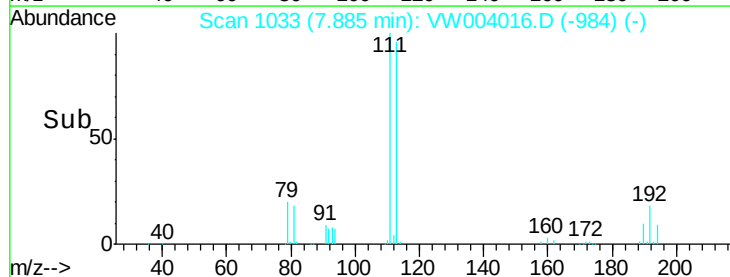
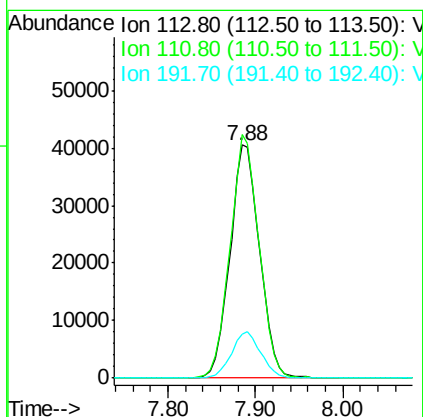
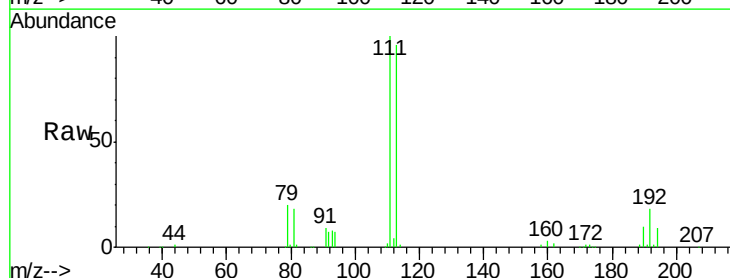
Instrument :
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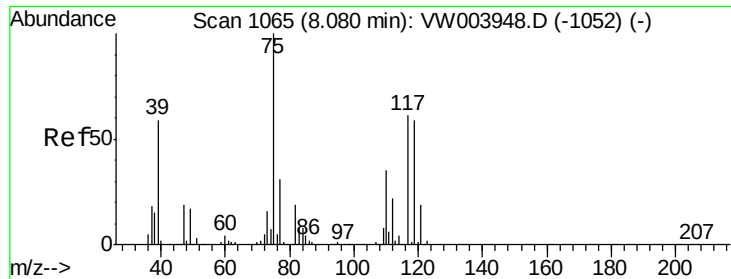
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.8
88	15.2	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 60.620 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004016.D
 Acq: 18 Jul 2018 06:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	19.5	15.8	23.6

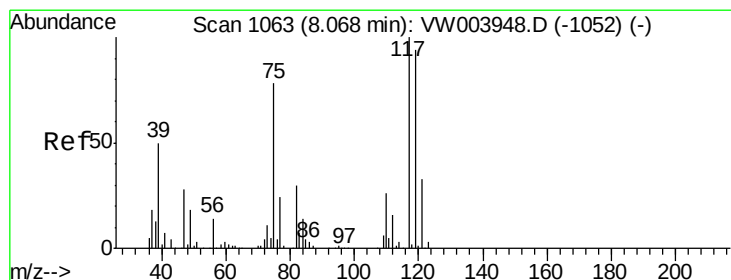
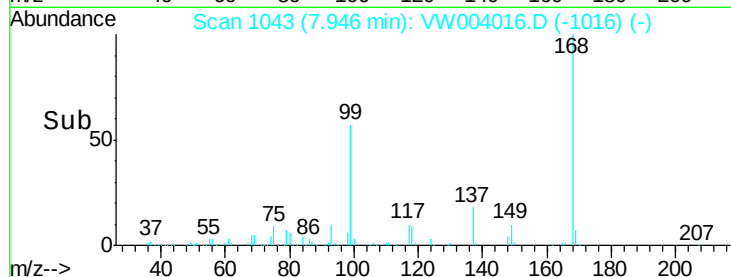
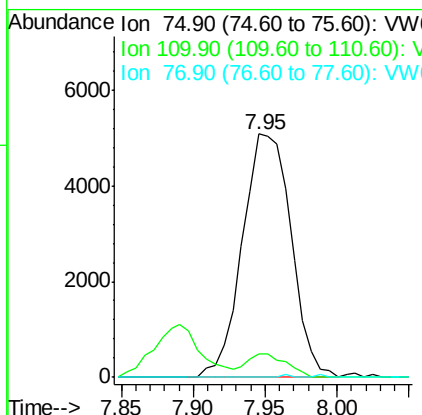
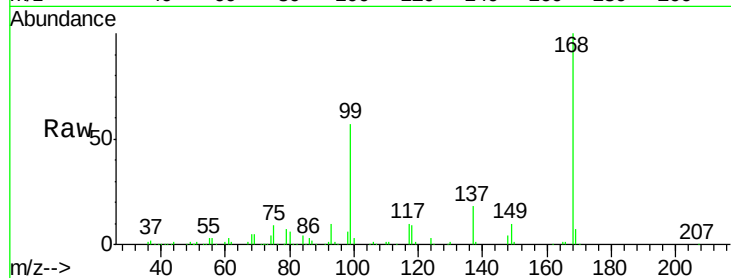




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004016.D
 Acq: 18 Jul 2018 06:54

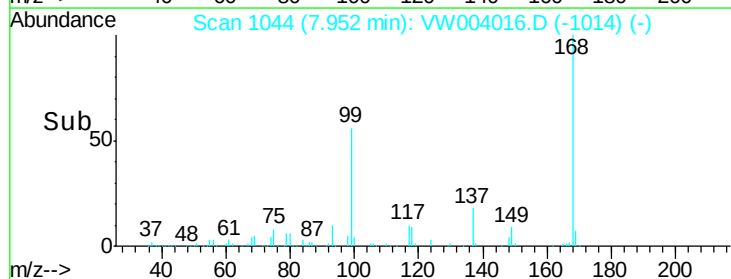
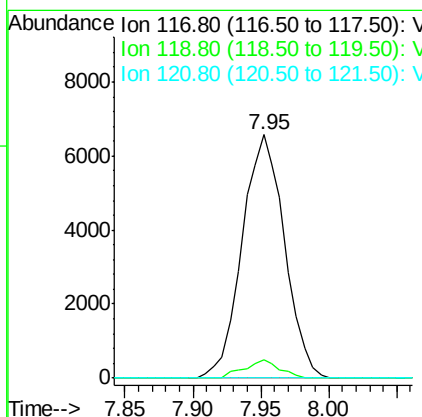
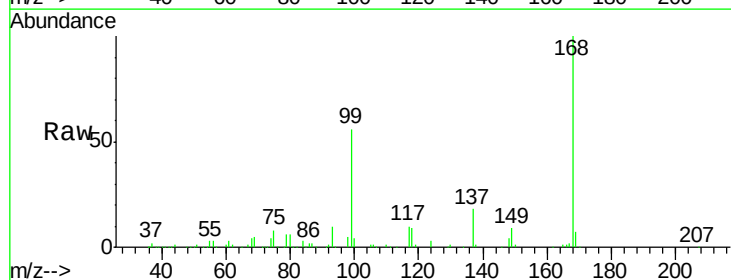
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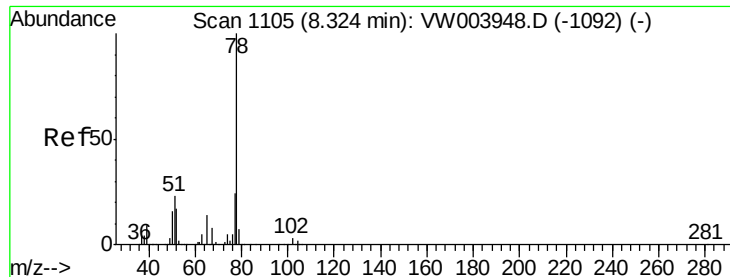
Tot Ion: 75 Resp: 11920
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.0 51.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.071 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004016.D
 Acq: 18 Jul 2018 06:54

Tgt Ion: 117 Resp: 14318
 Ion Ratio Lower Upper
 117 100
 119 7.4 75.3 112.9#
 121 0.0 26.0 39.0#





#40

Benzene

Concen: 1.191 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

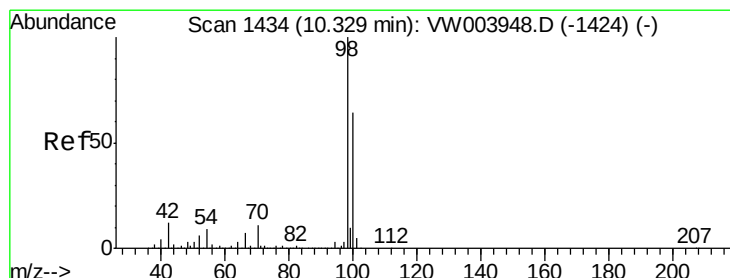
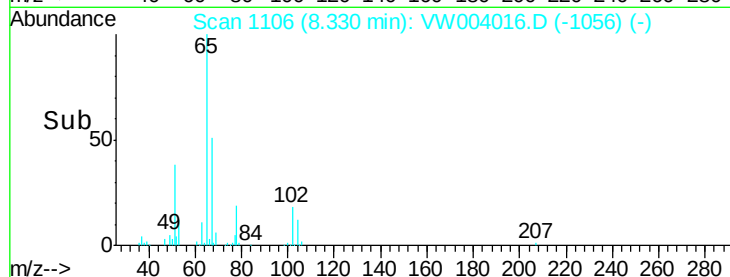
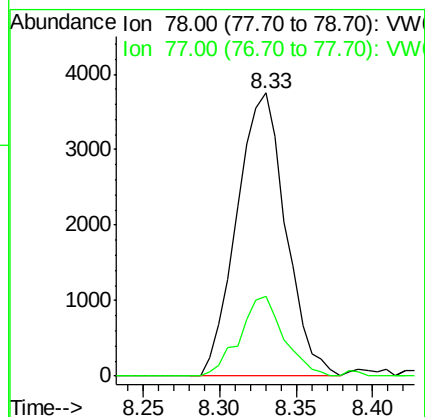
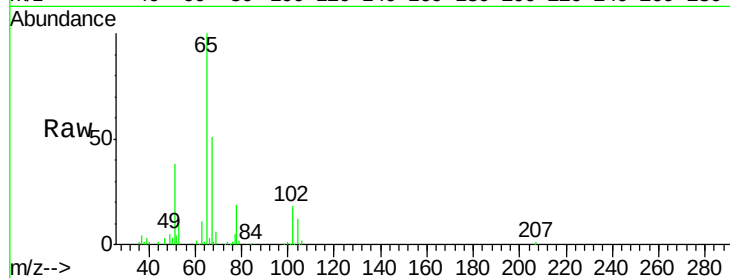
AU-05-071318-BRE

Tot Ion: 78 Resp: 8337

Ion Ratio Lower Upper

78 100

77 28.4 19.5 29.3



#50

Toluene-d8

Concen: 26.675 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004016.D

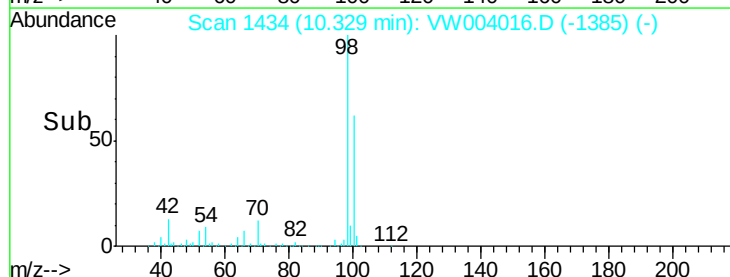
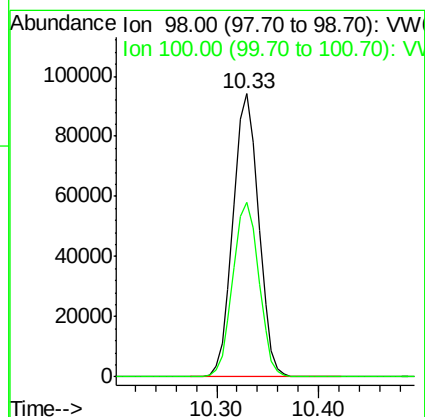
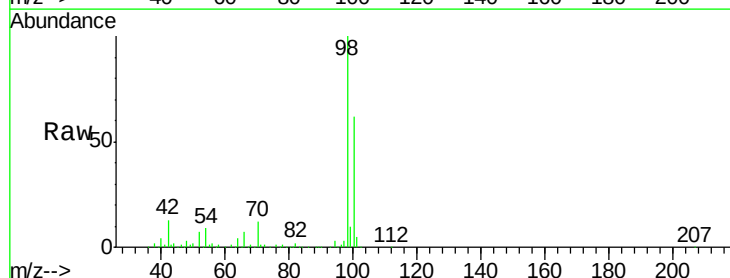
Acq: 18 Jul 2018 06:54

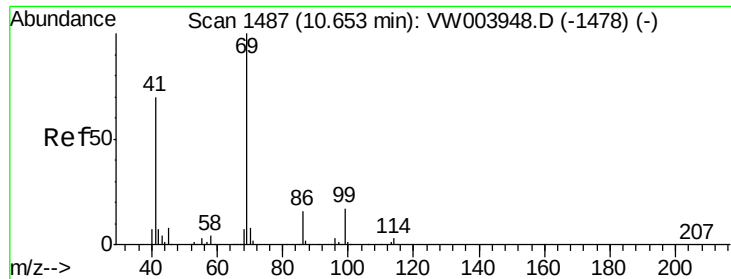
Tgt Ion: 98 Resp: 162926

Ion Ratio Lower Upper

98 100

100 62.8 51.2 76.8





#56

Ethyl methacrylate

Concen: 3.072 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-BRE

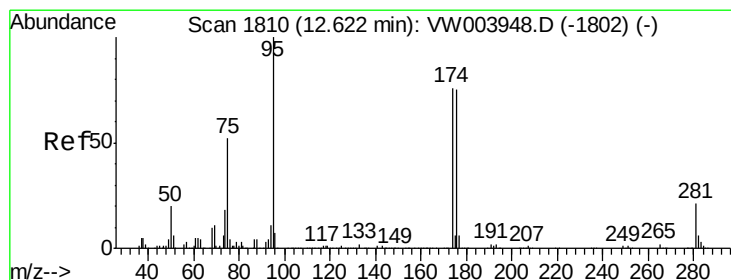
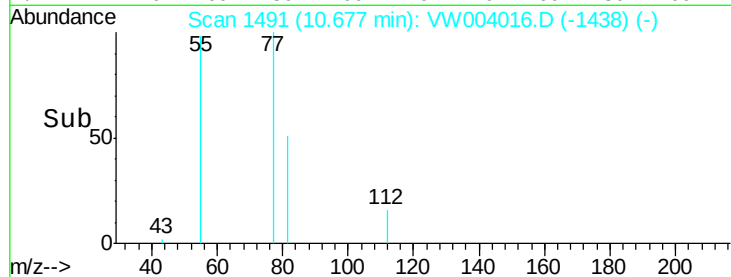
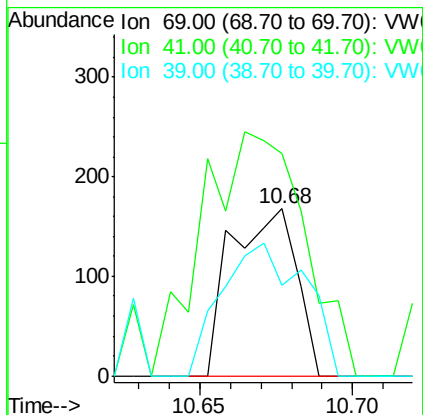
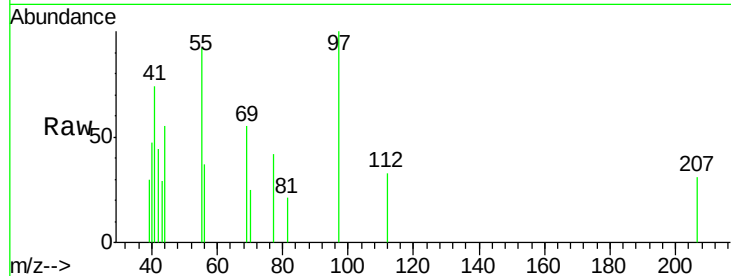
Tot Ion: 69 Resp: 249

Ion Ratio Lower Upper

69 100

41 238.2 56.5 84.7#

39 100.8 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 30.628 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

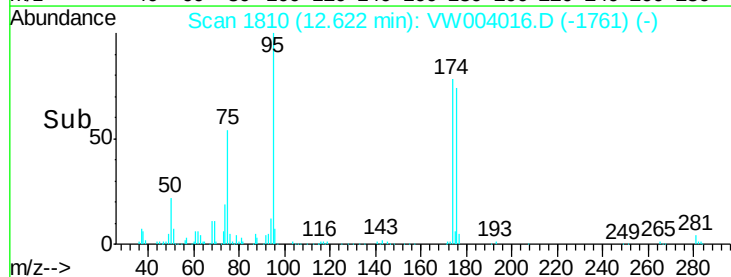
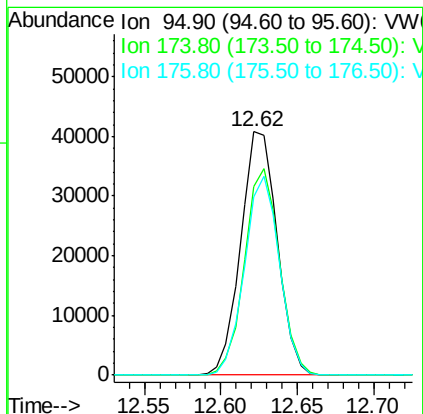
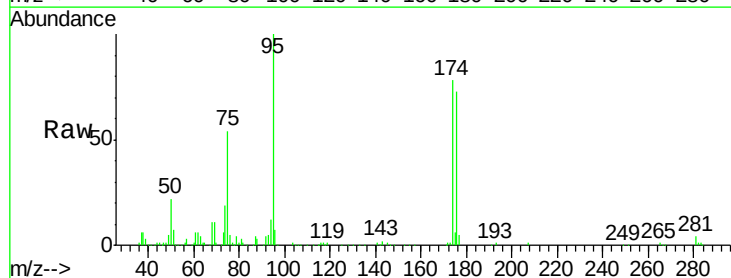
Tgt Ion: 95 Resp: 67458

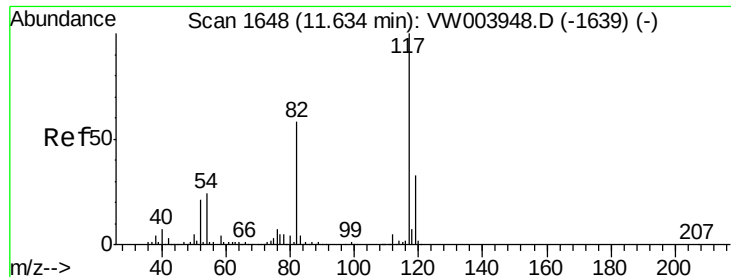
Ion Ratio Lower Upper

95 100

174 81.7 0.0 160.2

176 78.7 0.0 155.8

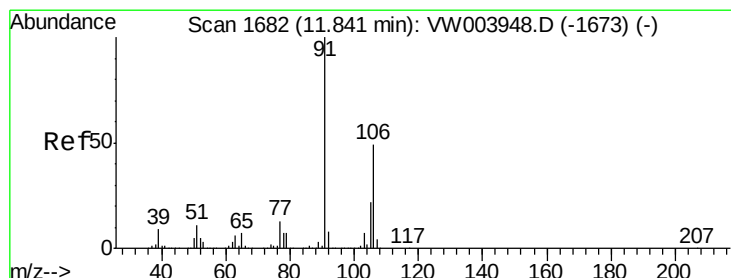
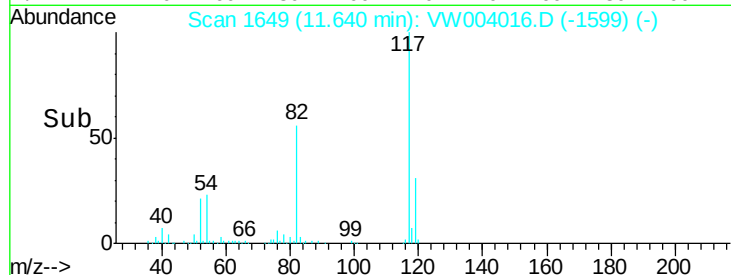
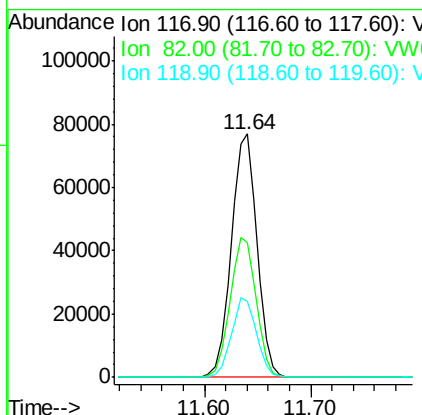
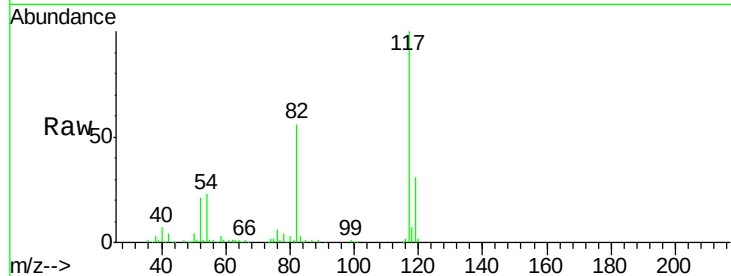




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

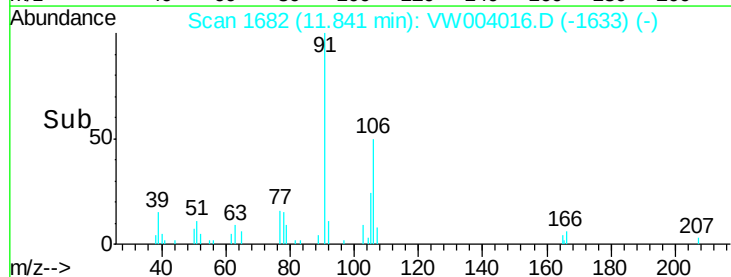
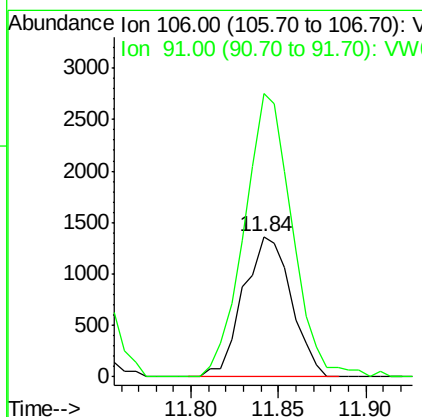
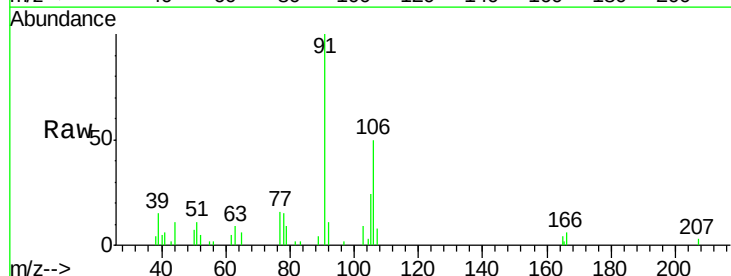
Instrument :
MSVOA_W
ClientSampleId :
AU-05-071318-BRE

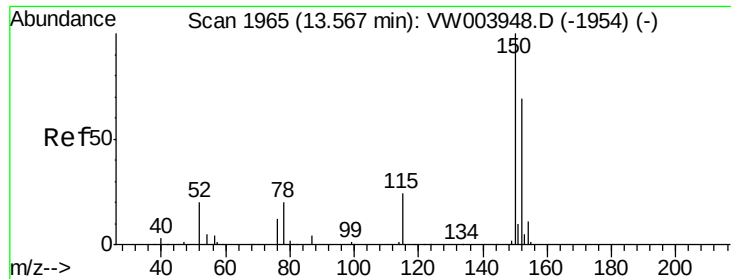
Tot Ion:117 Resp: 130025
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 31.3 26.2 39.2



#68
m/p-Xylenes
Concen: 1.401 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW004016.D
Acq: 18 Jul 2018 06:54

Tgt Ion:106 Resp: 2600
Ion Ratio Lower Upper
106 100
91 202.5 164.2 246.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-BRE

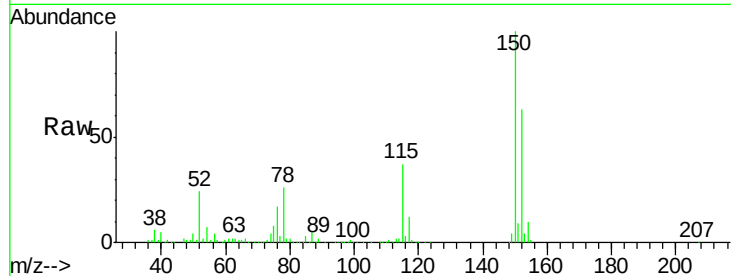
Tot Ion:152 Resp: 52914

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

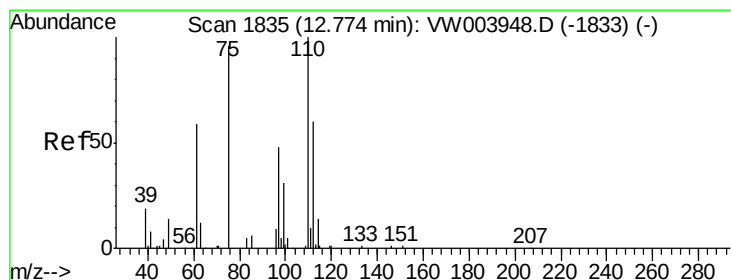
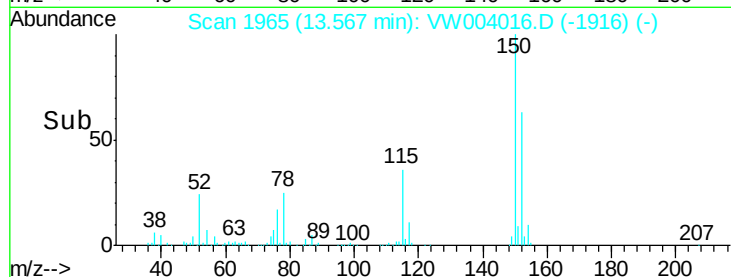
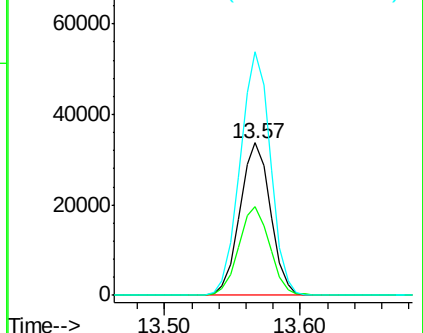
150 158.6 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 68.692 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004016.D

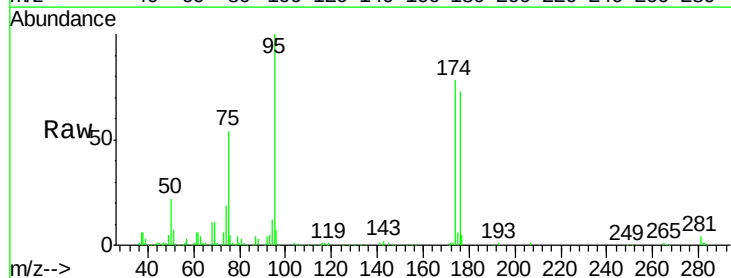
Acq: 18 Jul 2018 06:54

Tgt Ion: 75 Resp: 36085

Ion Ratio Lower Upper

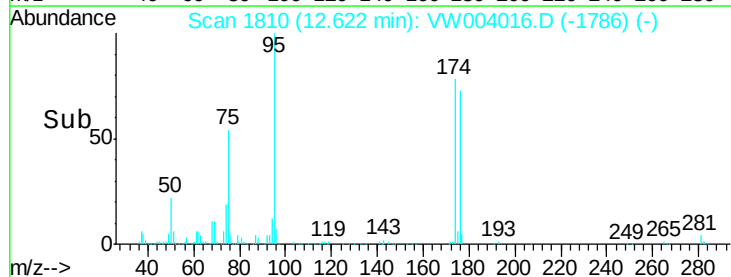
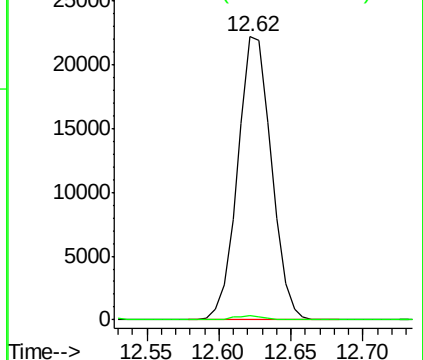
75 100

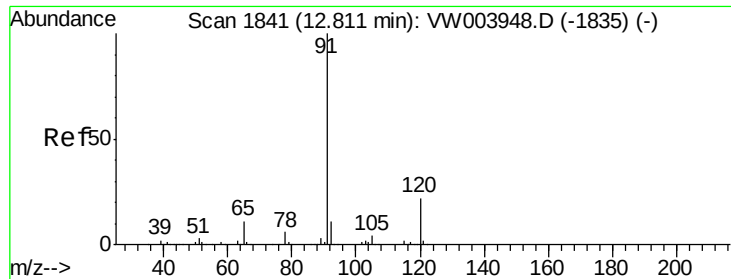
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 1.043 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

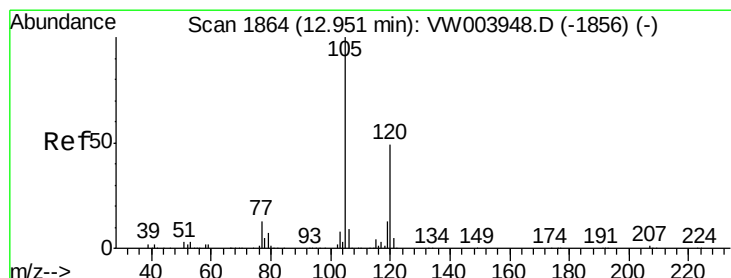
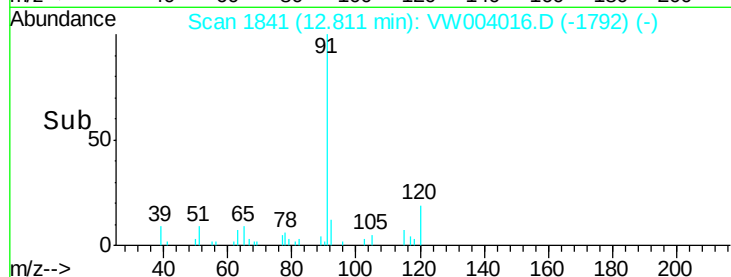
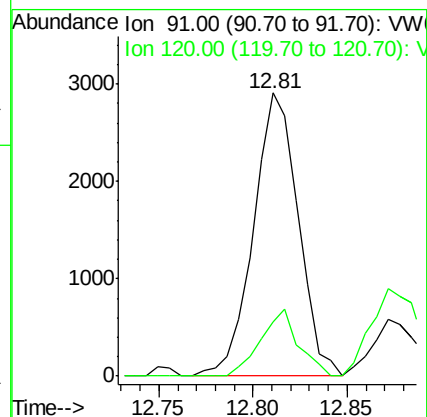
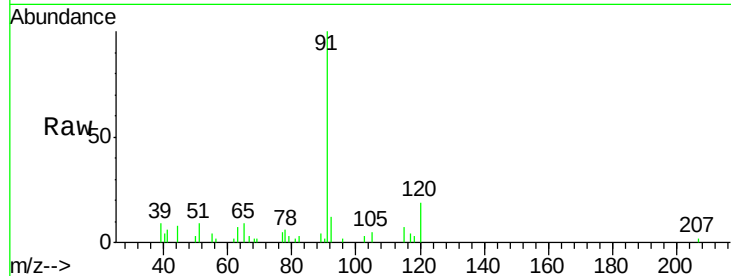
AU-05-071318-BRE

Tot Ion: 91 Resp: 4785

Ion Ratio Lower Upper

91 100

120 20.0 11.2 33.6



#80

1,3,5-Trimethylbenzene

Concen: 1.117 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004016.D

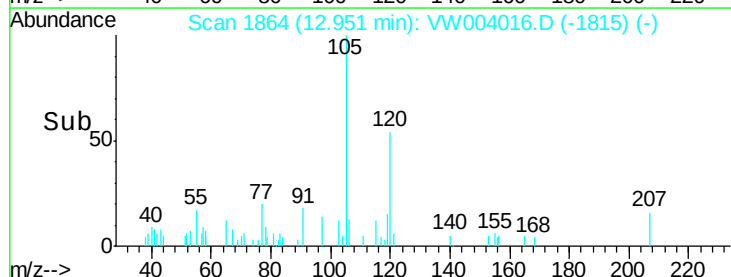
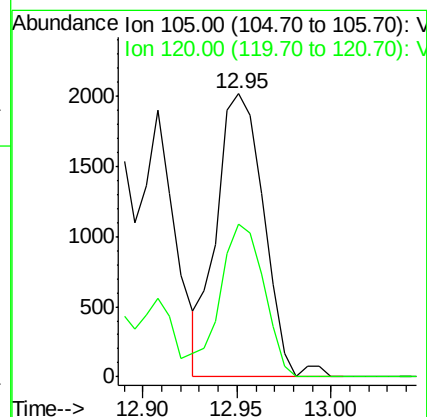
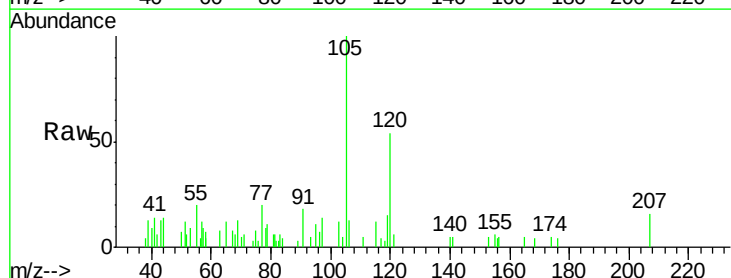
Acq: 18 Jul 2018 06:54

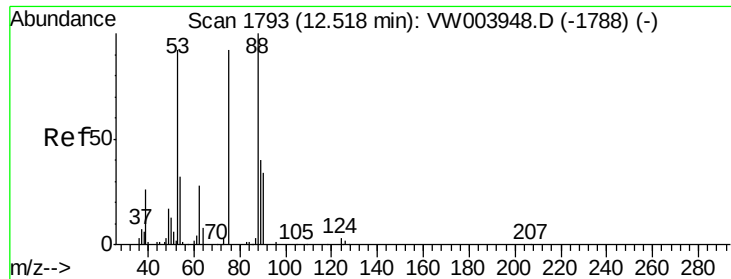
Tgt Ion:105 Resp: 3516

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 151.945 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

AU-05-071318-BRE

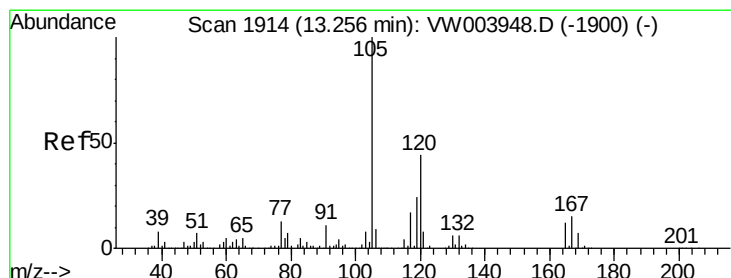
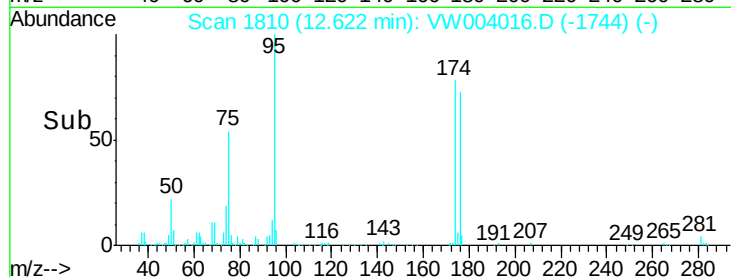
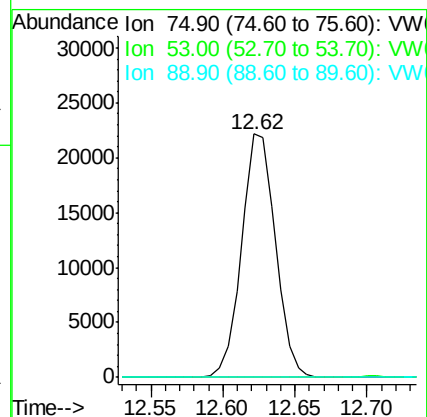
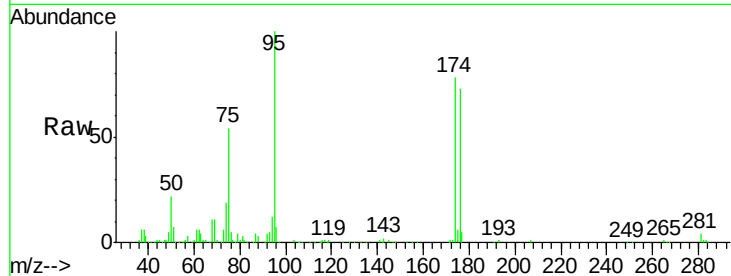
Tot Ion: 75 Resp: 36085

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 36.6 54.8#



#84

1,2,4-Trimethylbenzene

Concen: 3.158 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004016.D

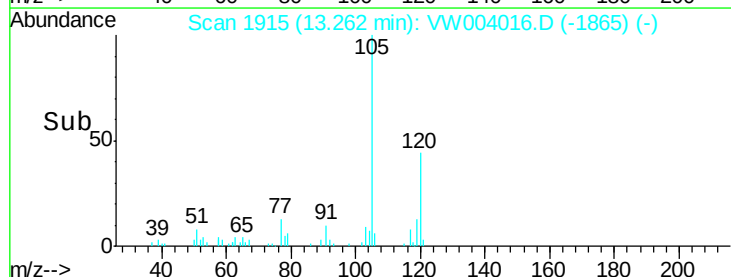
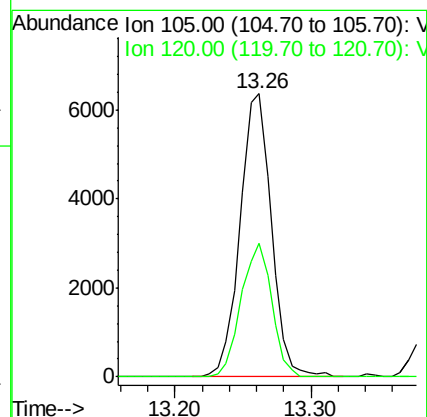
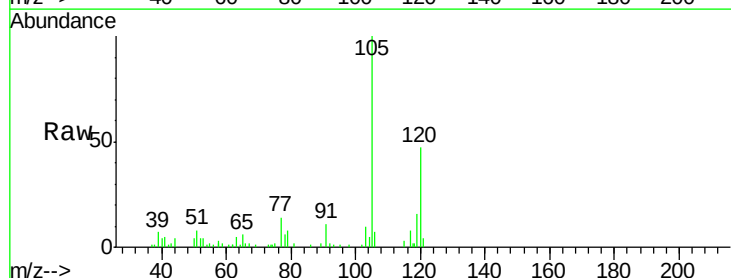
Acq: 18 Jul 2018 06:54

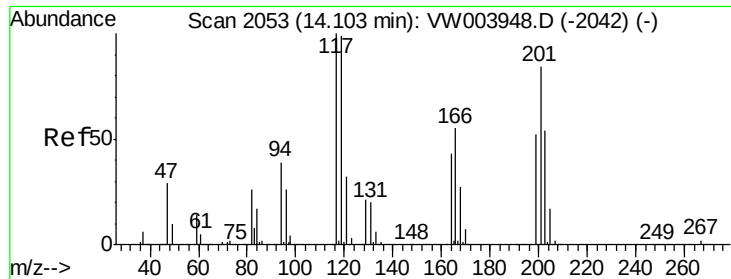
Tgt Ion: 105 Resp: 10222

Ion Ratio Lower Upper

105 100

120 46.1 22.1 66.1





#90

Hexachloroethane

Concen: 1.048 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

Instrument :

MSVOA_W

ClientSampleId :

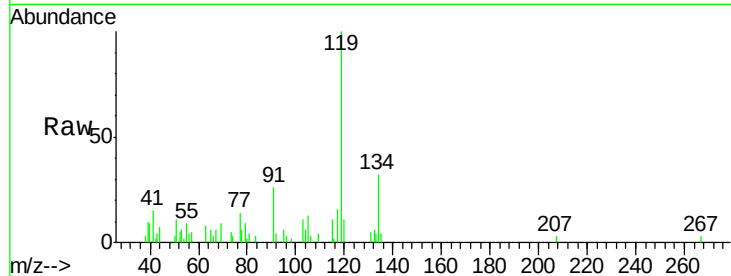
AU-05-071318-BRE

Tot Ion:117 Resp: 664

Ion Ratio Lower Upper

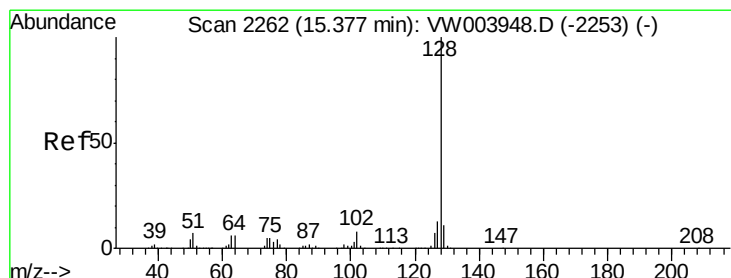
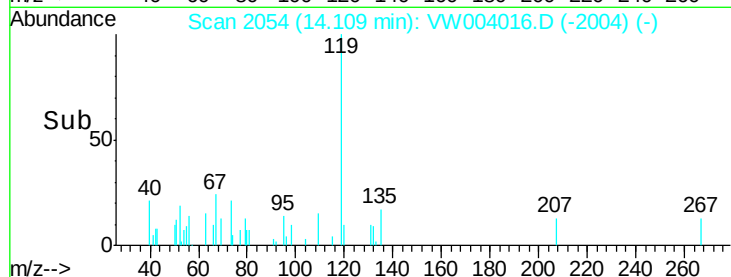
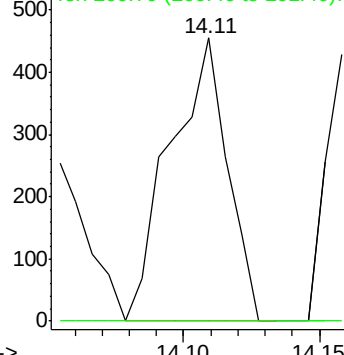
117 100

201 0.0 40.3 120.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.418 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004016.D

Acq: 18 Jul 2018 06:54

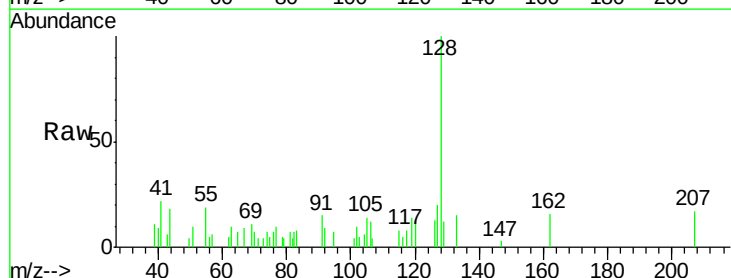
Tgt Ion:128 Resp: 2926

Ion Ratio Lower Upper

128 100

127 18.4 10.7 16.1#

129 7.5 8.7 13.1#



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

