

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004140.D
 Acq On : 23 Jul 2018 16:29
 Operator : SY/AP
 Sample : J4070-01
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:44:48 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

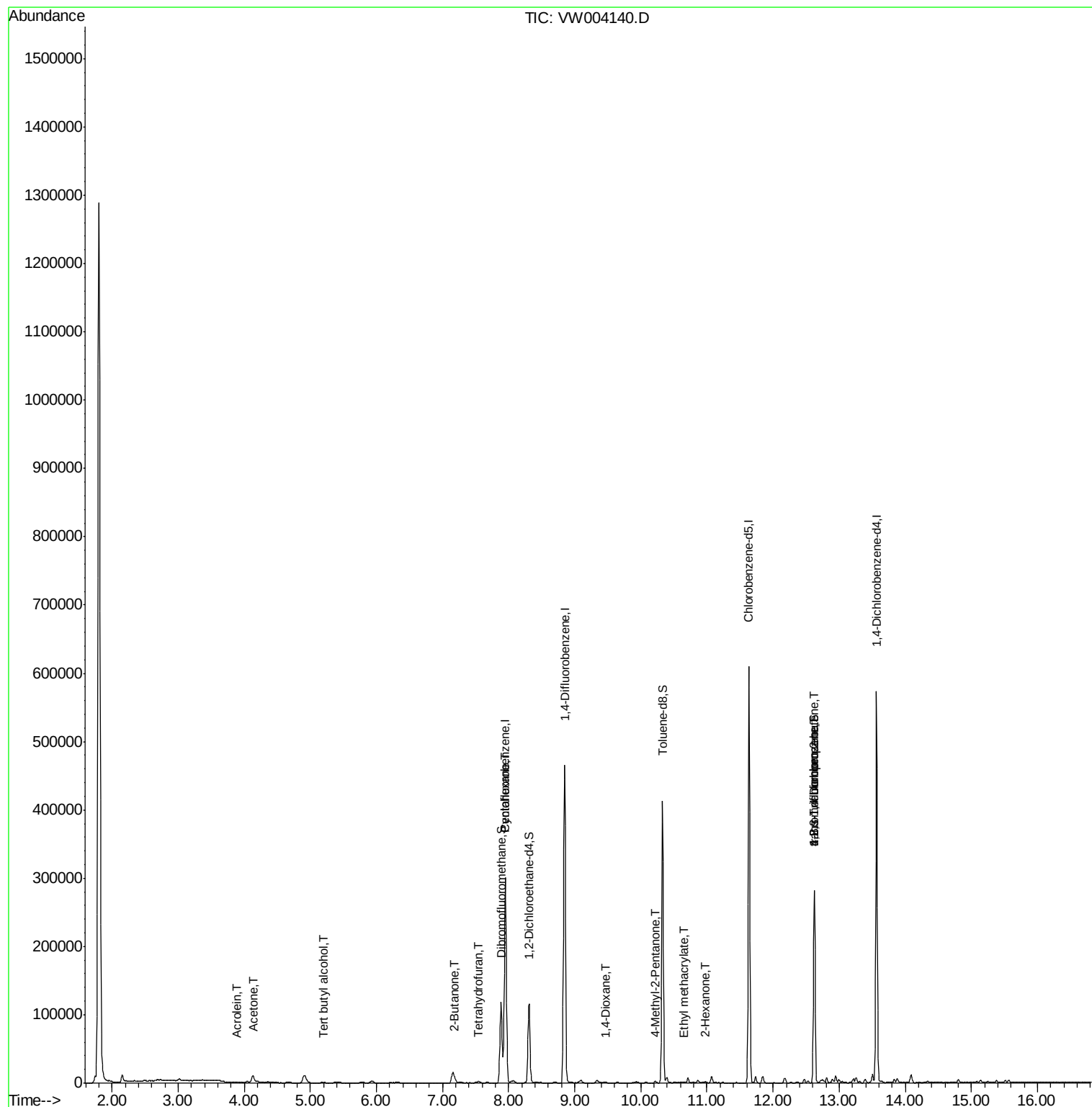
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	370908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91355	37.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.86%	
35) Dibromofluoromethane	7.88	113	82761	34.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.56%	
50) Toluene-d8	10.33	98	263984	28.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.18%	
62) 4-Bromofluorobenzene	12.62	95	85581	25.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	410	2.466	ug/l #	72
13) Acrolein	3.89	56	250	1.463	ug/l	95
16) Acetone	4.14	43	19013	32.847	ug/l	98
20) Methylene Chloride	4.90	84	9911	Below Cal		92
25) 2-Butanone	7.18	43	5436	6.979	ug/l #	81
29) Tetrahydrofuran	7.54	42	1257	2.591	ug/l	95
31) Cyclohexane	7.95	56	6725	1.683	ug/l #	8
49) 1,4-Dioxane	9.48	88	26	1.206	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	1926	1.050	ug/l	92
56) Ethyl methacrylate	10.65	69	275	3.038	ug/l #	39
59) 2-Hexanone	10.97	43	1461	1.130	ug/l	81
76) 1,2,3-Trichloropropane	12.62	75	44538	31.266	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44538	69.161	ug/l #	11

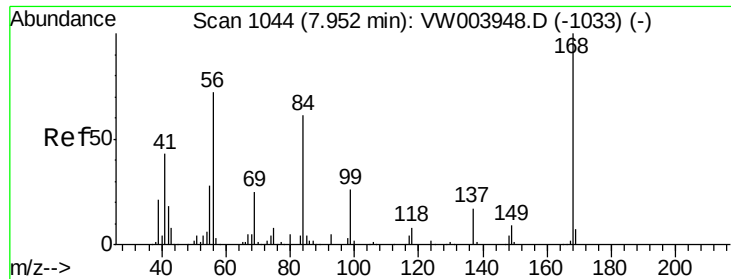
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004140.D

Acq: 23 Jul 2018 16:29

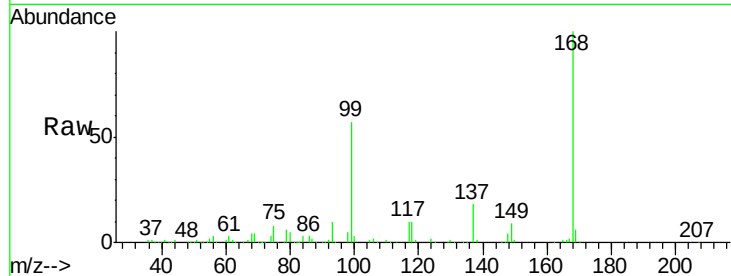
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 215493

Ion Ratio Lower Upper

168 100

99 56.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

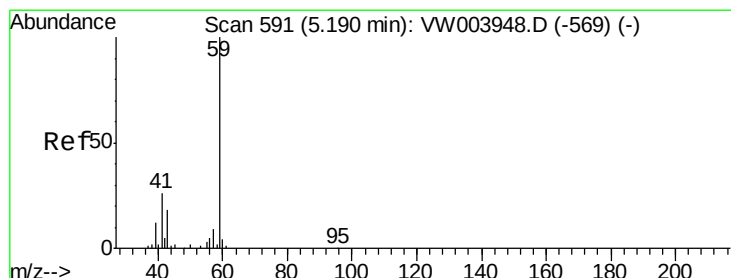
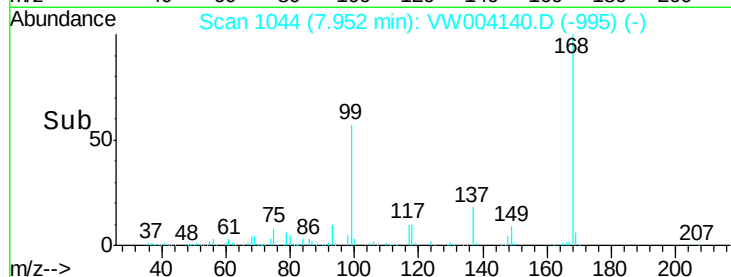
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.466 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW004140.D

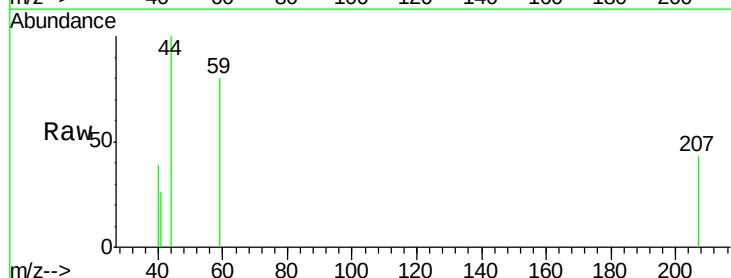
Acq: 23 Jul 2018 16:29

Tgt Ion: 59 Resp: 410

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

5.19

250

200

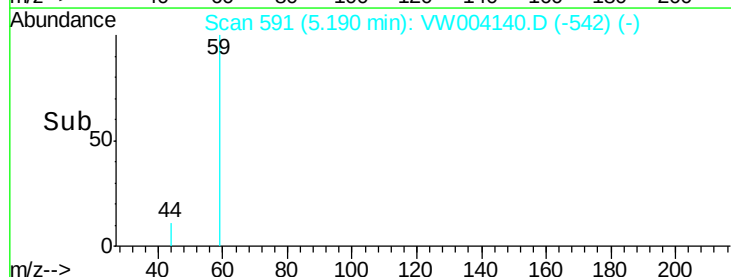
150

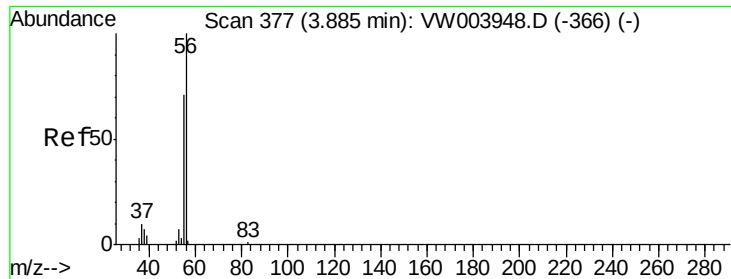
100

50

0

Time-->





#13

Acrolein

Concen: 1.463 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_W

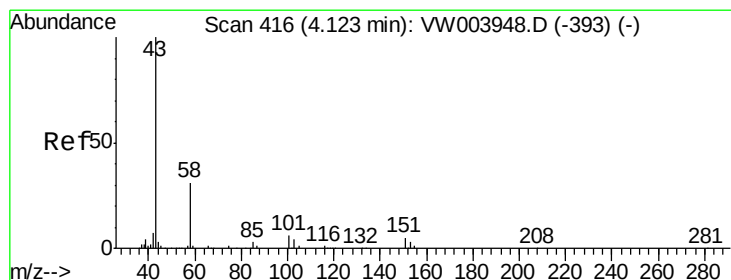
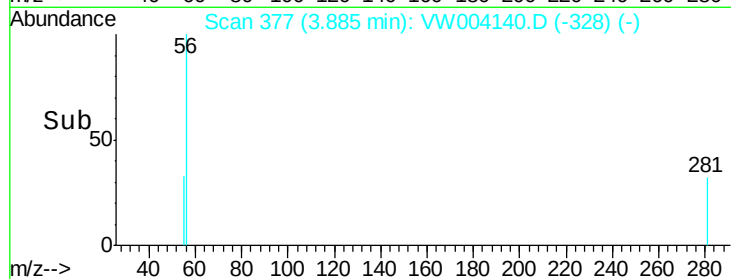
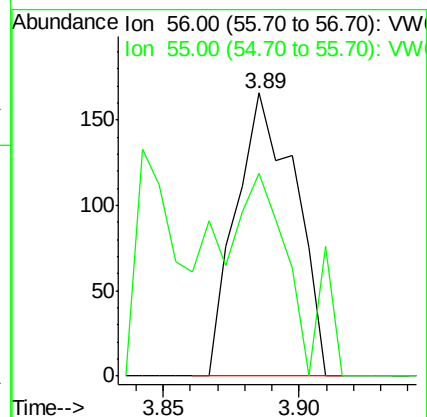
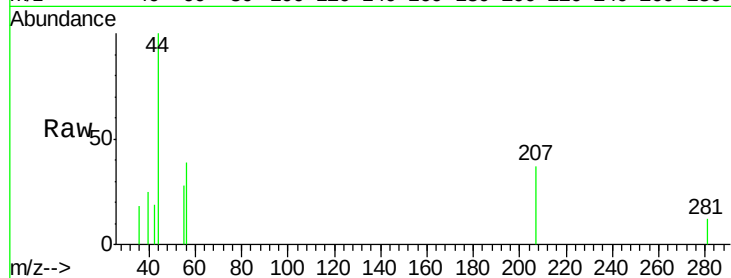
ClientSampled :

Tot Ion: 56 Resp: 250

Ion Ratio Lower Upper

56 100

55 76.8 58.2 87.4



#16

Acetone

Concen: 32.847 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004140.D

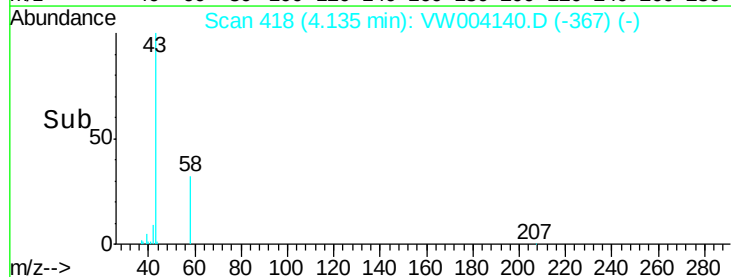
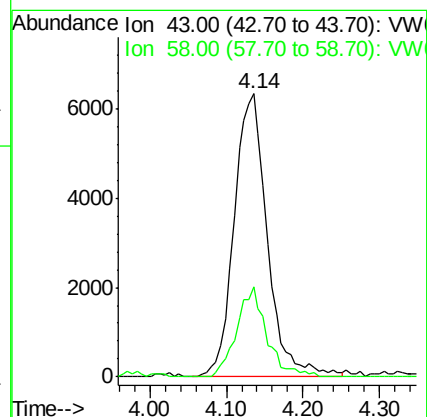
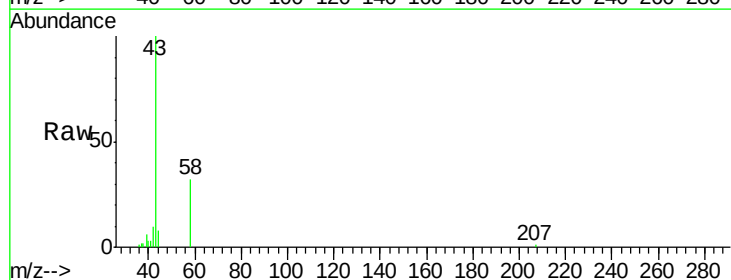
Acq: 23 Jul 2018 16:29

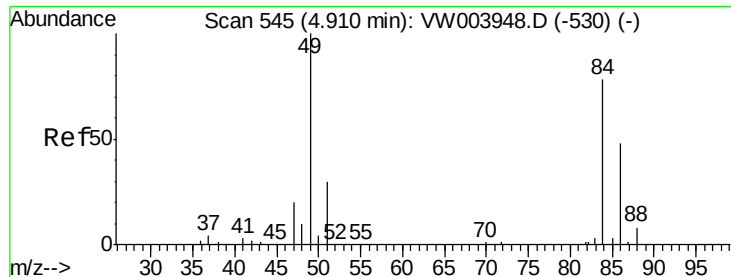
Tgt Ion: 43 Resp: 19013

Ion Ratio Lower Upper

43 100

58 31.8 24.5 36.7

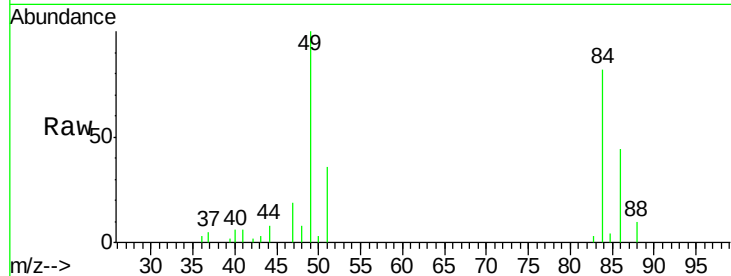




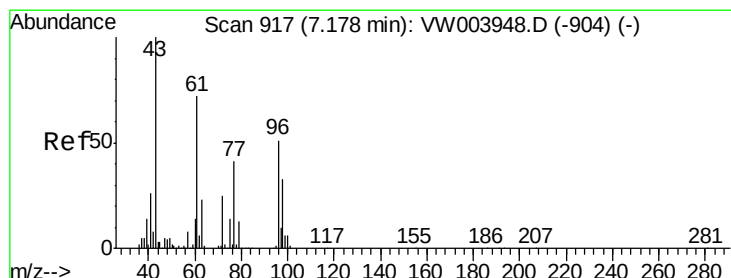
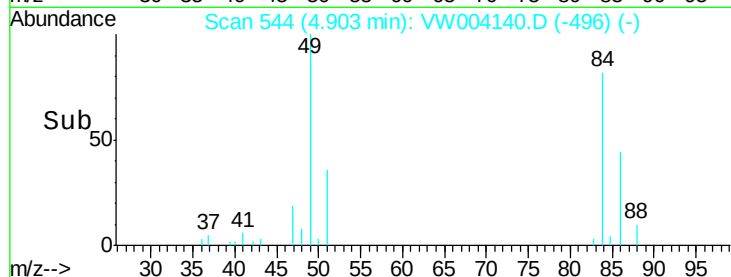
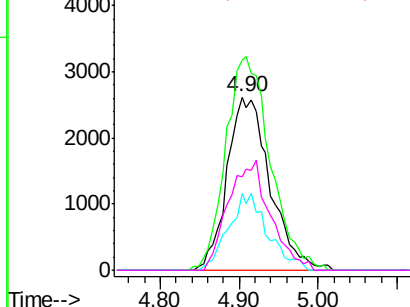
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	9911
Ion	Ratio	Lower	Upper
84	100		
49	121.3	102.9	154.3
51	44.1	30.9	46.3
86	53.8	49.9	74.9

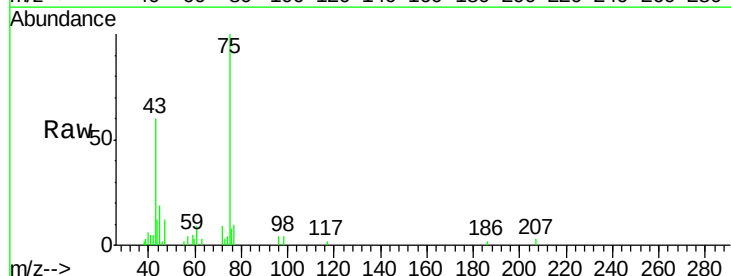


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

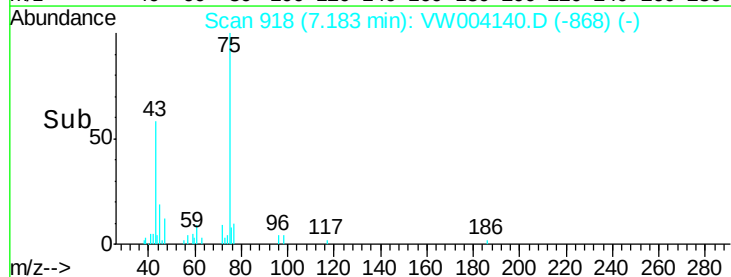
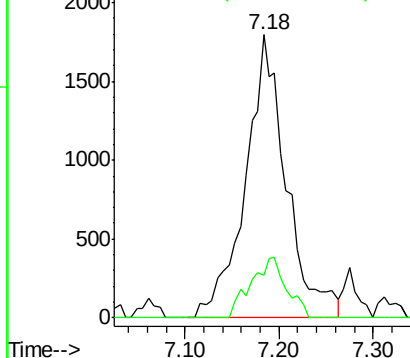


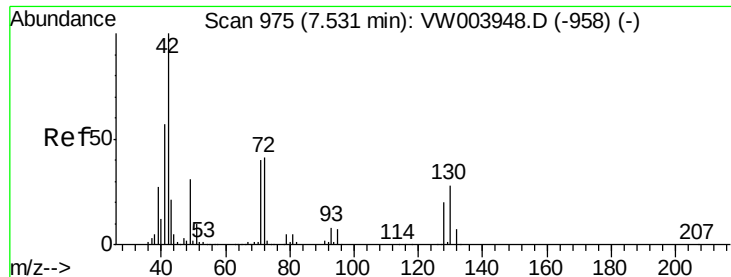
#25
2-Butanone
Concen: 6.979 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

Tgt Ion:	43	Resp:	5436
Ion	Ratio	Lower	Upper
43	100		
72	15.0	19.8	29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

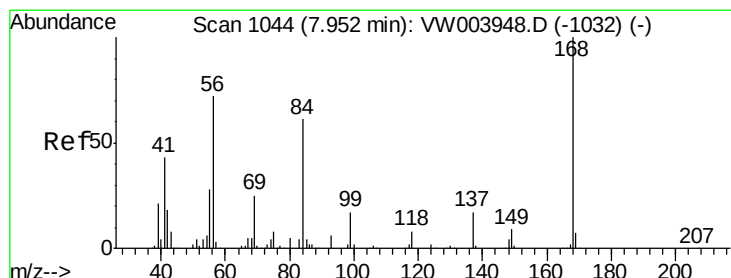
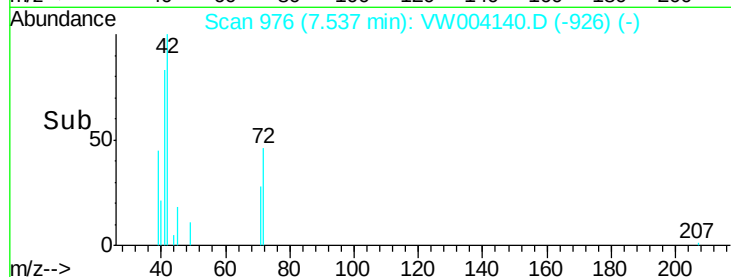
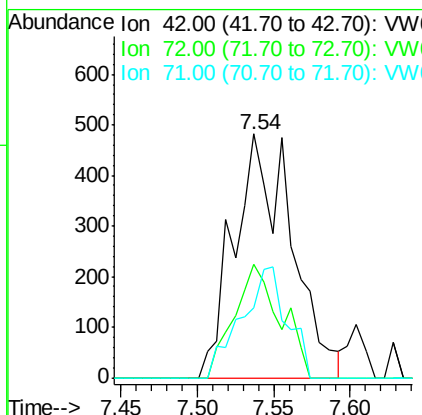
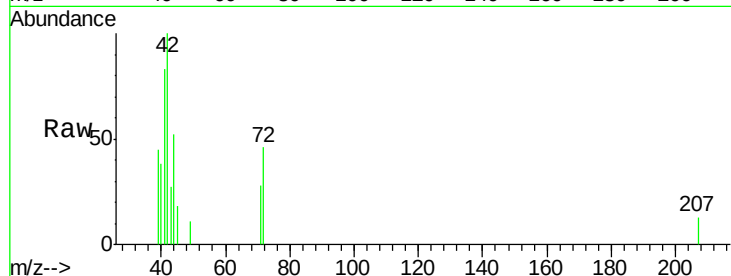




#29
Tetrahydrofuran
Concen: 2.591 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

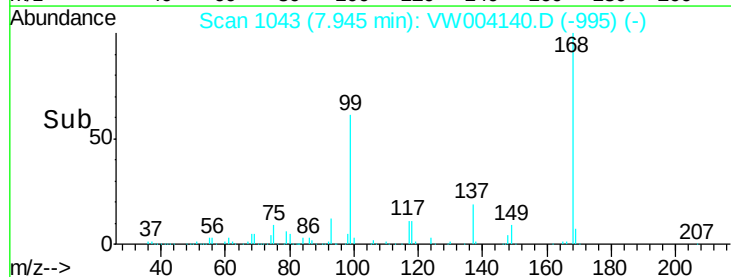
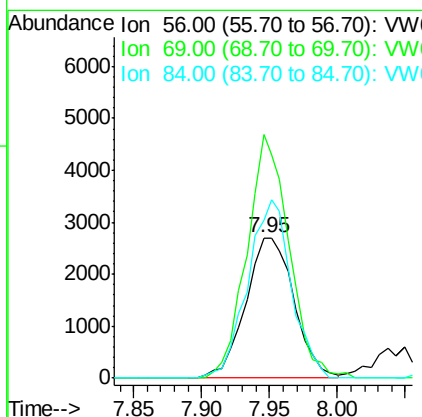
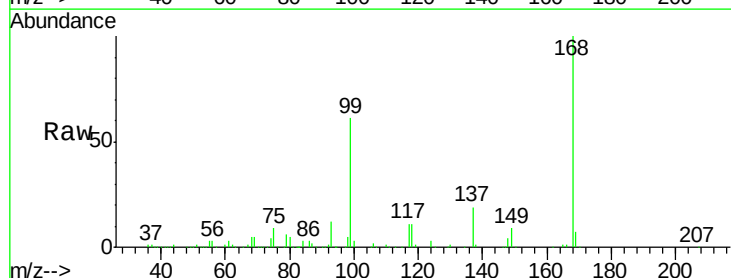
Instrument :
MSVOA_W
ClientSampleId :

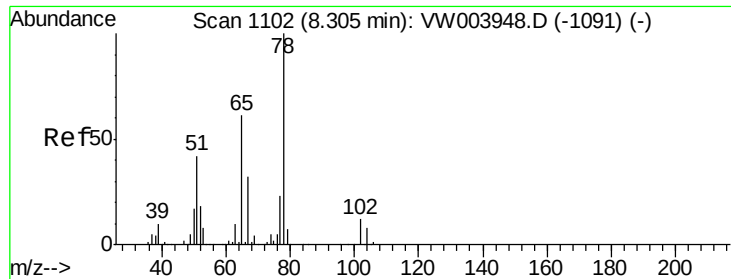
Tot Ion: 42 Resp: 1257
Ion Ratio Lower Upper
42 100
72 37.2 32.6 48.8
71 36.0 30.5 45.7



#31
Cyclohexane
Concen: 1.683 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 56 Resp: 6725
Ion Ratio Lower Upper
56 100
69 173.2 27.8 41.8#
84 112.5 67.2 100.8#

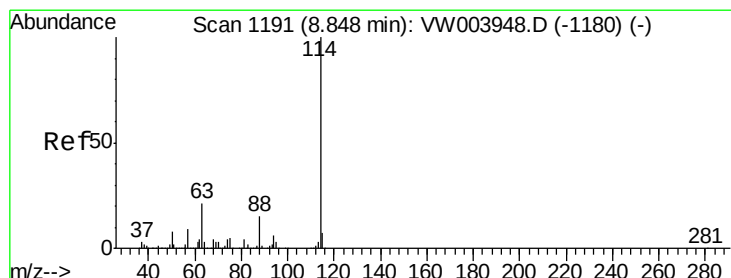
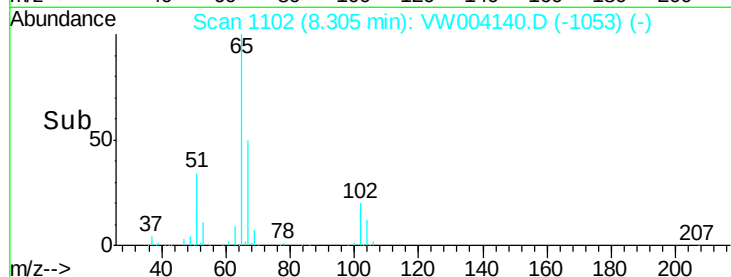
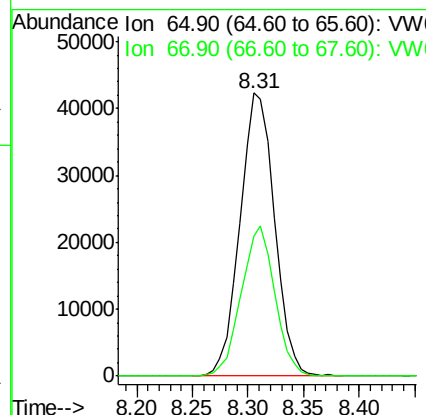
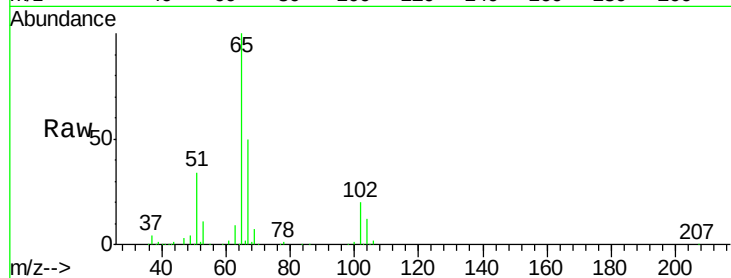




#33
 1,2-Dichloroethane-d4
 Concen: 37.926 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW004140.D
 Acq: 23 Jul 2018 16:29

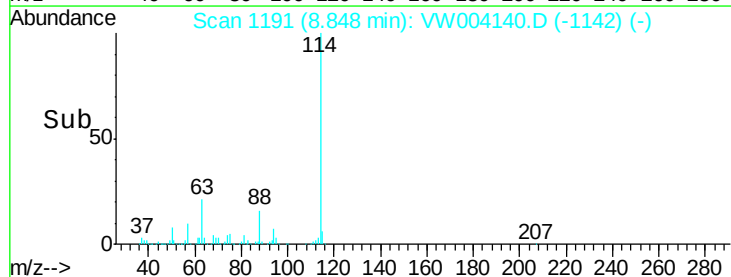
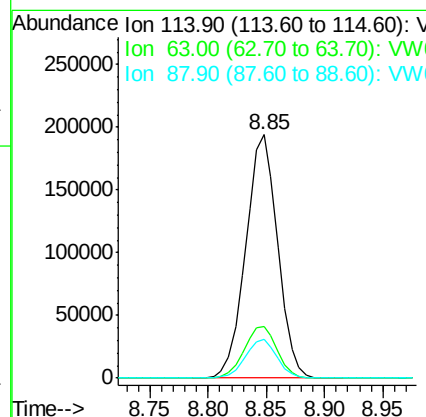
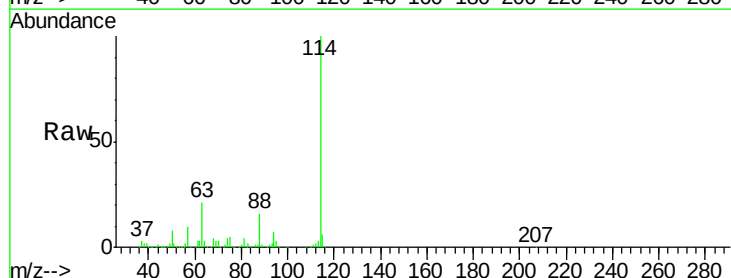
Instrument :
 MSVOA_W
 ClientSampleId :

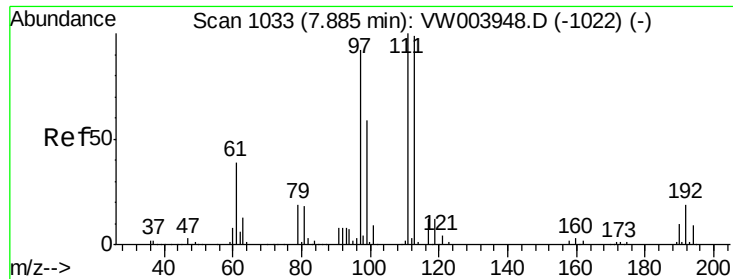
Tot Ion: 65 Resp: 91355
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004140.D
 Acq: 23 Jul 2018 16:29

Tgt Ion: 114 Resp: 370908
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 15.8 0.0 30.4

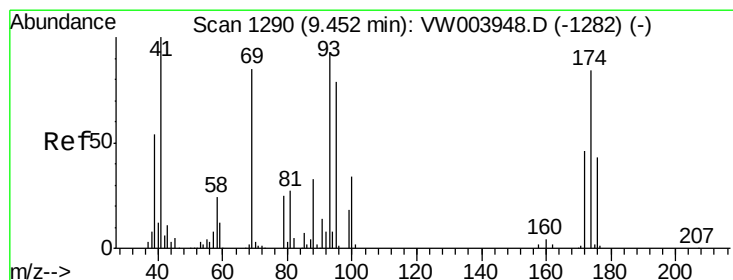
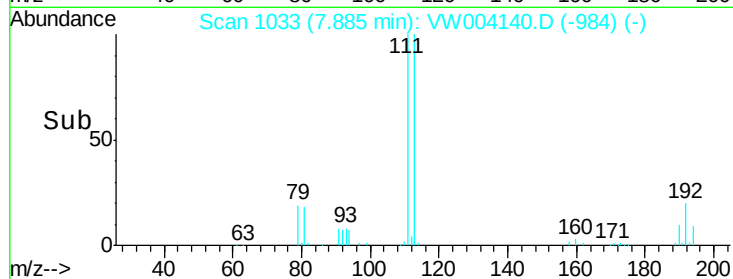
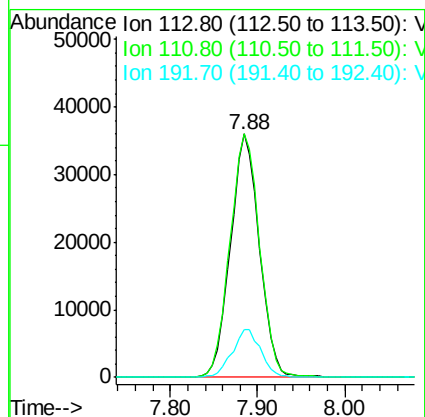
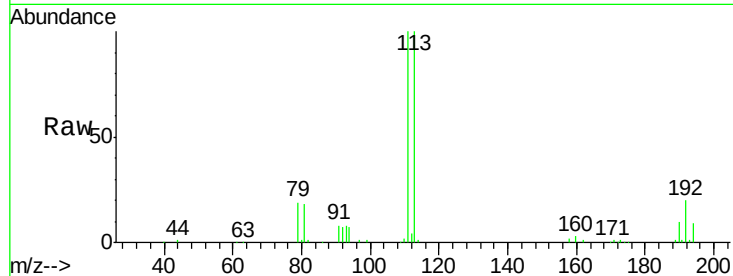




#35
 Dibromofluoromethane
 Concen: 34.776 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004140.D
 Acq: 23 Jul 2018 16:29

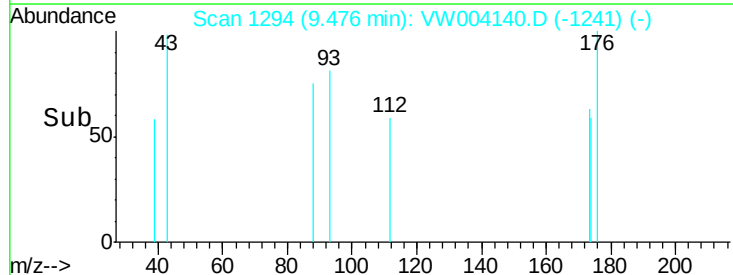
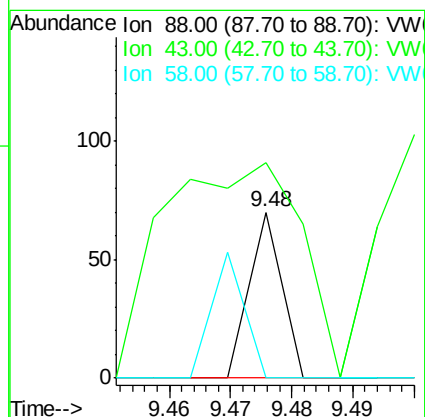
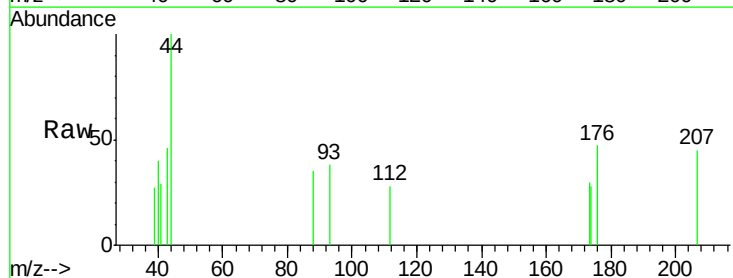
Instrument :
 MSVOA_W
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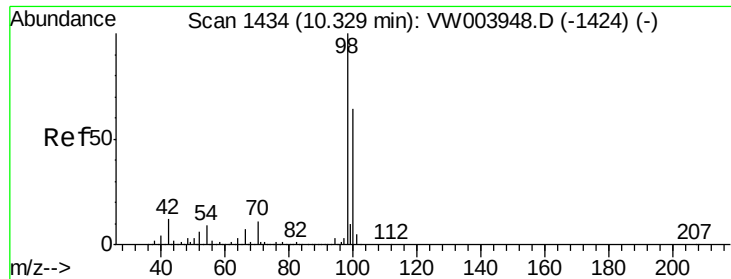
Tot Ion:113 Resp: 82761
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.3 121.9
 192 19.4 15.8 23.6



#49
 1,4-Dioxane
 Concen: 1.206 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. 0.02 min
 Lab File: VW004140.D
 Acq: 23 Jul 2018 16:29

Tgt Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 546.2 27.3 40.9#
 58 73.1 61.1 91.7

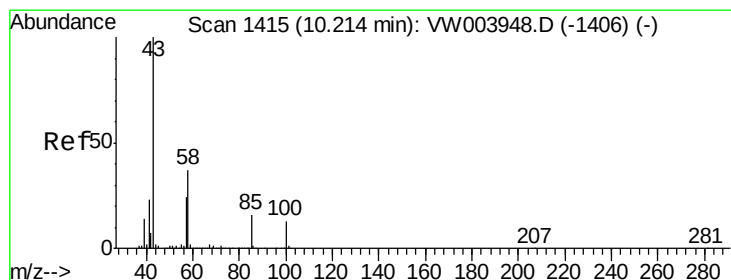
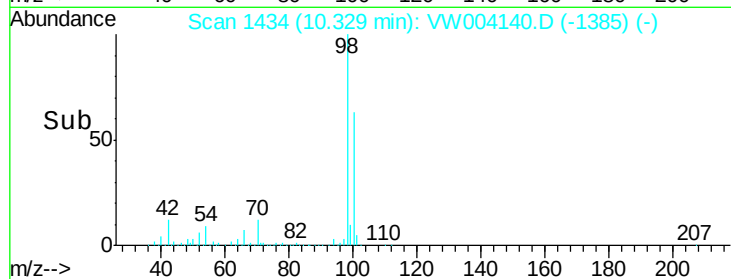
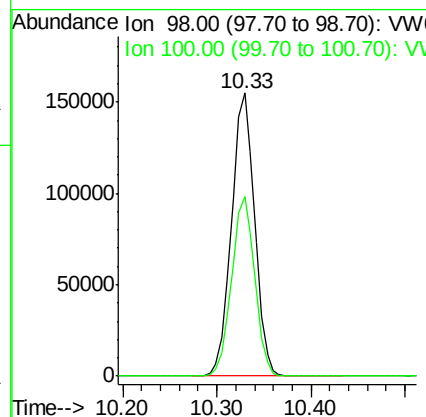
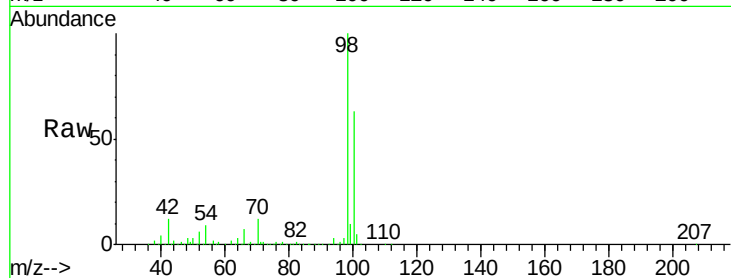




#50
Toluene-d8
Concen: 28.587 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

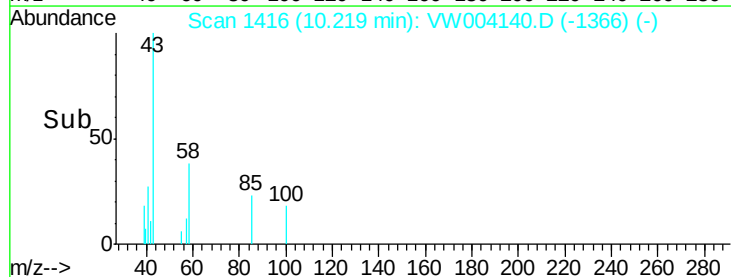
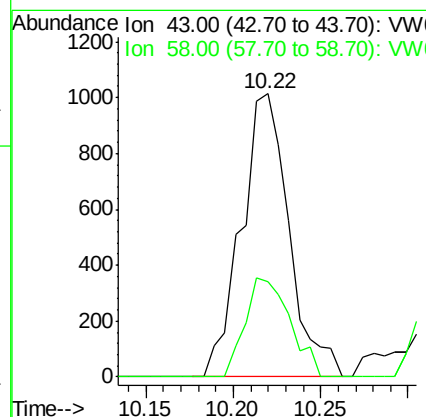
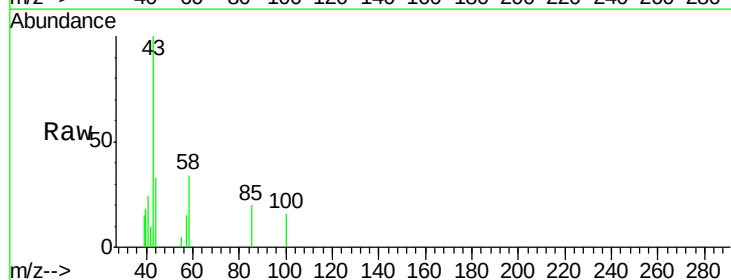
Instrument :
MSVOA_W
ClientSampleId :

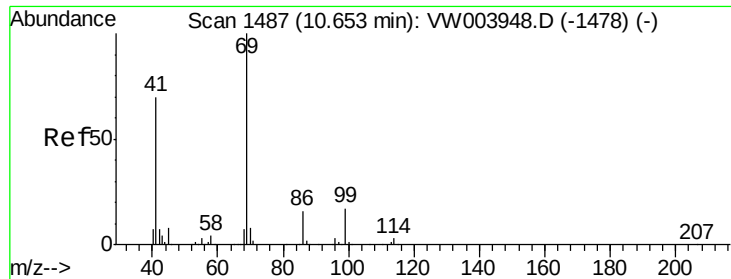
Tot Ion: 98 Resp: 263984
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VW004140.D
Acq: 23 Jul 2018 16:29

Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
58 32.8 29.9 44.9





#56

Ethyl methacrylate

Concen: 3.038 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_W

ClientSampled :

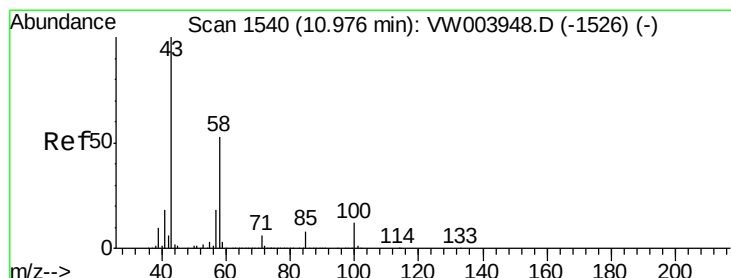
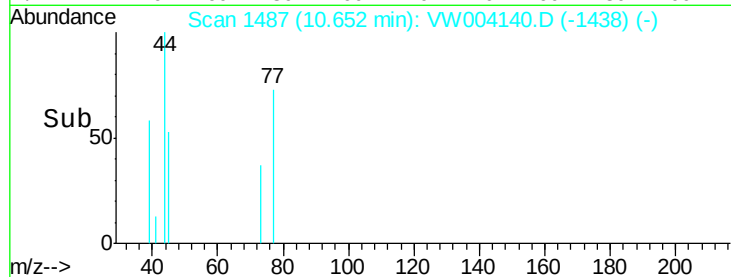
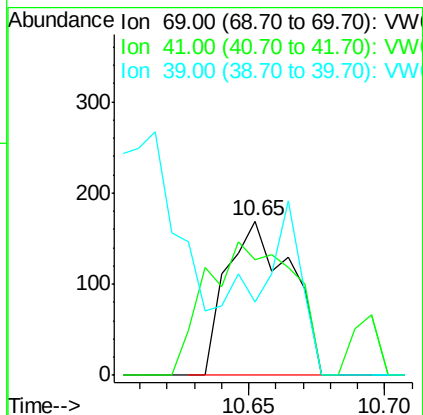
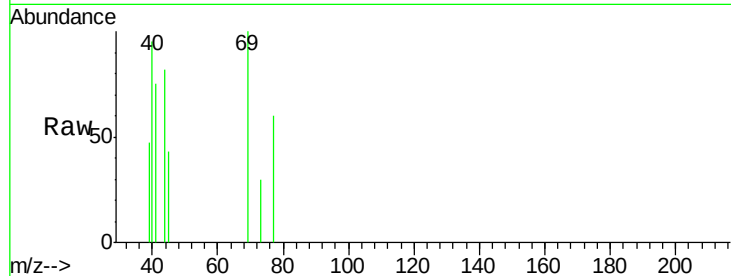
Tot Ion: 69 Resp: 275

Ion Ratio Lower Upper

69 100

41 118.5 56.5 84.7#

39 77.8 30.2 45.4#



#59

2-Hexanone

Concen: 1.130 ug/l

RT: 10.97 min Scan# 1539

Delta R.T. -0.01 min

Lab File: VW004140.D

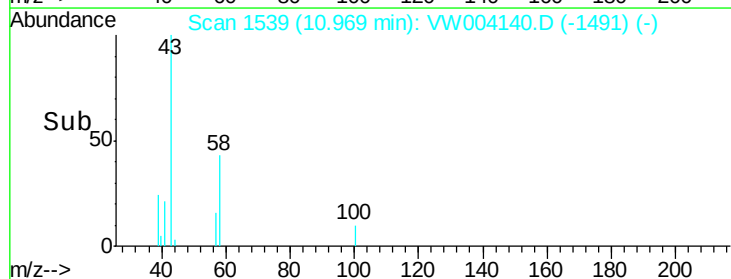
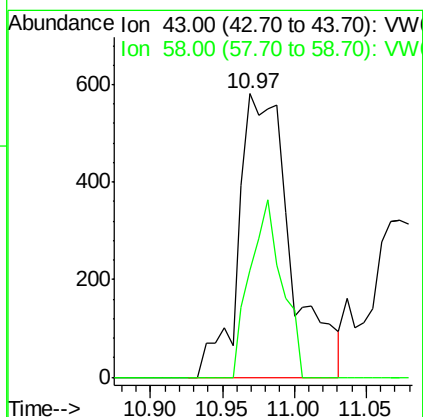
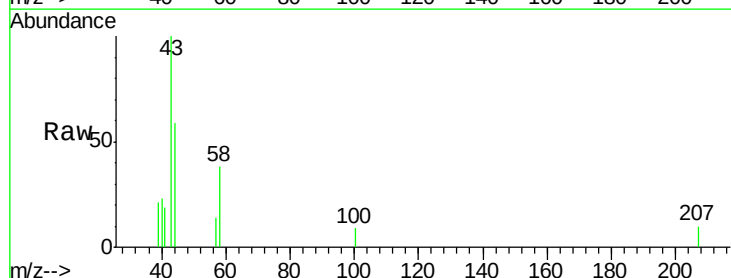
Acq: 23 Jul 2018 16:29

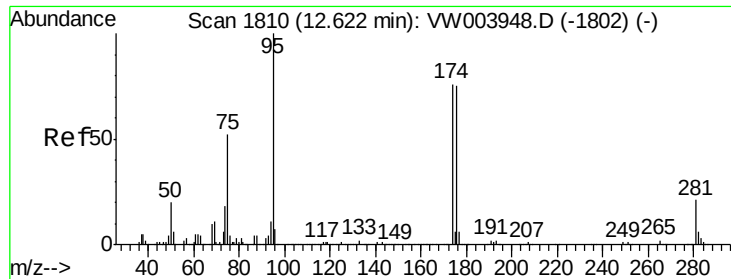
Tgt Ion: 43 Resp: 1461

Ion Ratio Lower Upper

43 100

58 38.7 26.0 78.0





#62

4-Bromofluorobenzene

Concen: 25.701 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

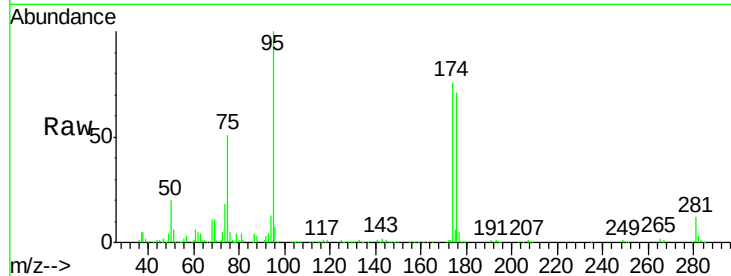
Tot Ion: 95 Resp: 85581

Ion Ratio Lower Upper

95 100

174 82.8 0.0 160.2

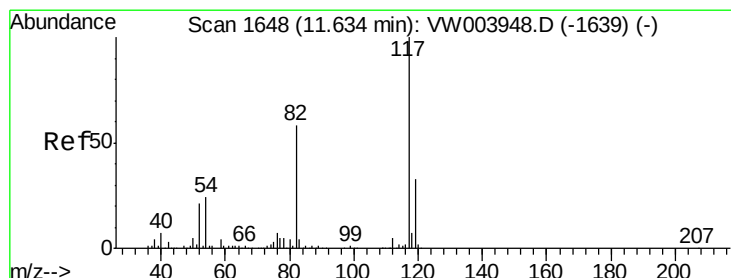
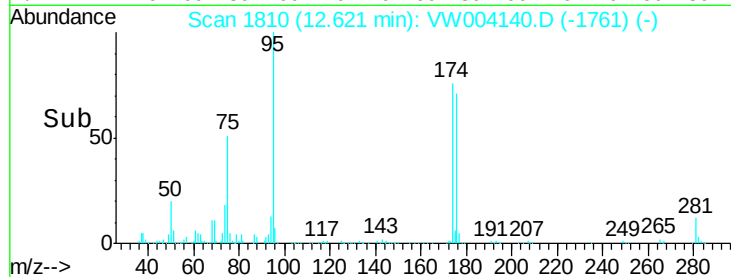
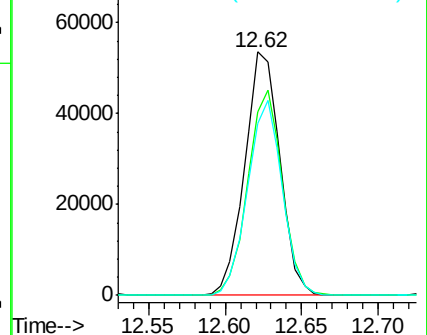
176 78.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

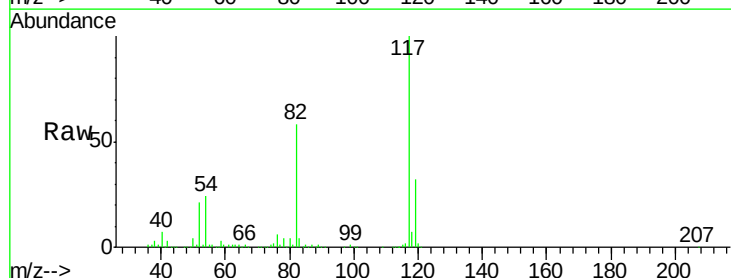
Tgt Ion: 117 Resp: 328543

Ion Ratio Lower Upper

117 100

82 57.7 46.5 69.7

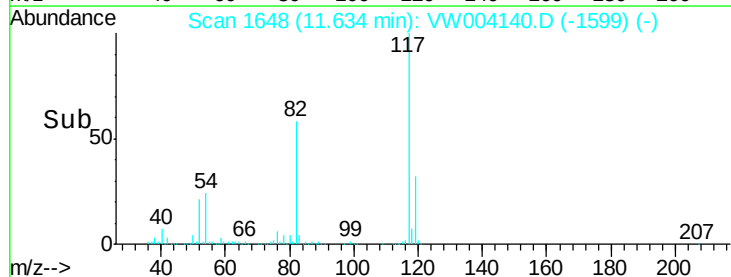
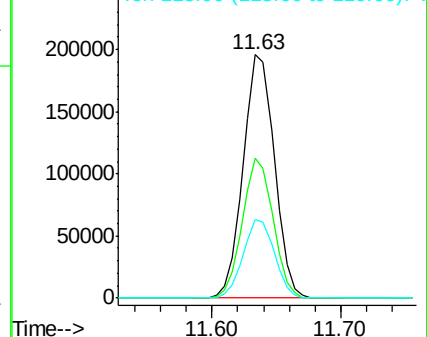
119 32.2 26.2 39.2

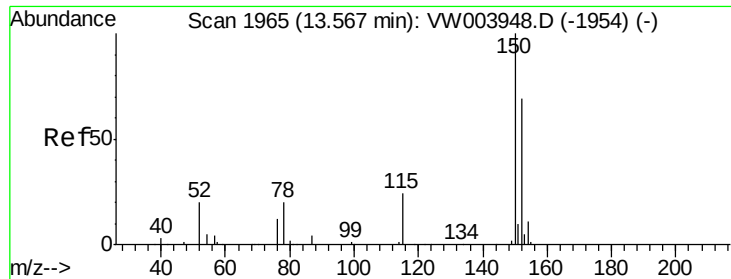


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

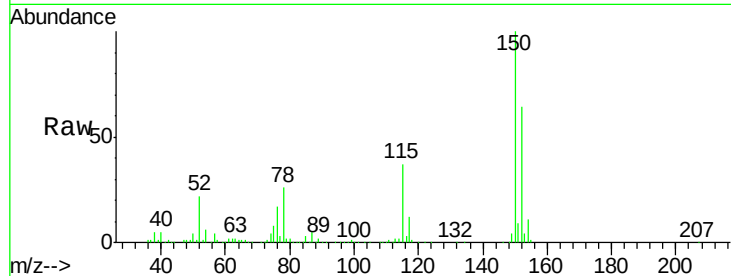
Tot Ion:152 Resp: 143484

Ion Ratio Lower Upper

152 100

115 58.6 29.2 87.6

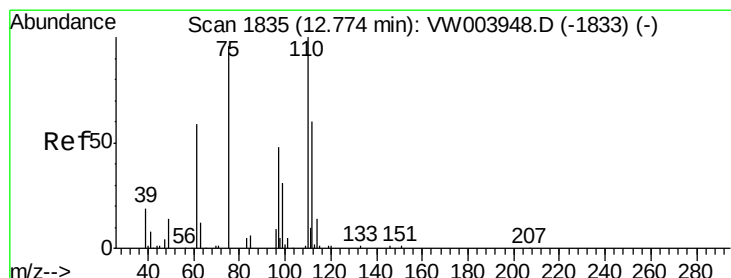
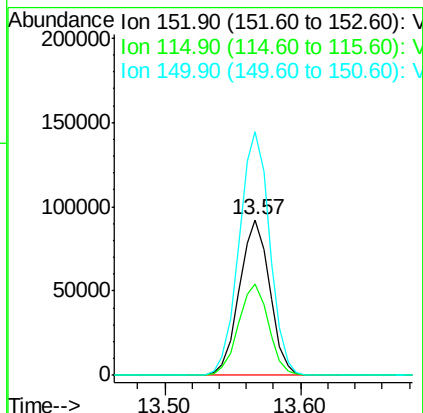
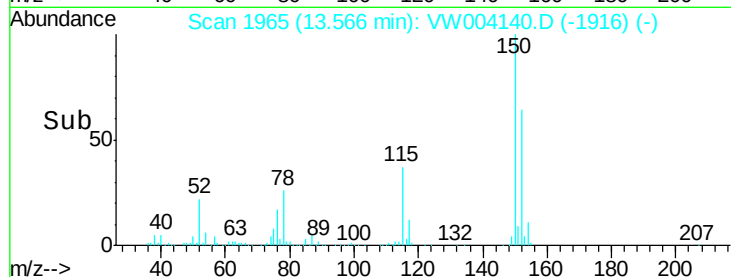
150 158.0 0.0 345.2



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: 31.266 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004140.D

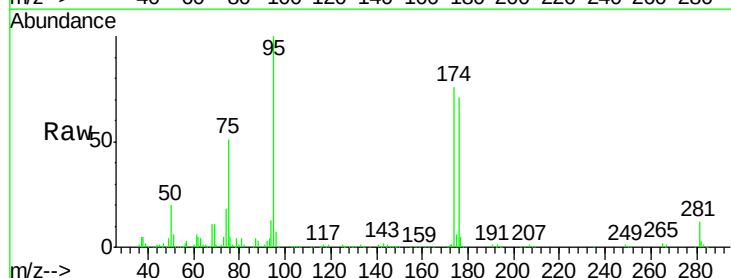
Acq: 23 Jul 2018 16:29

Tgt Ion: 75 Resp: 44538

Ion Ratio Lower Upper

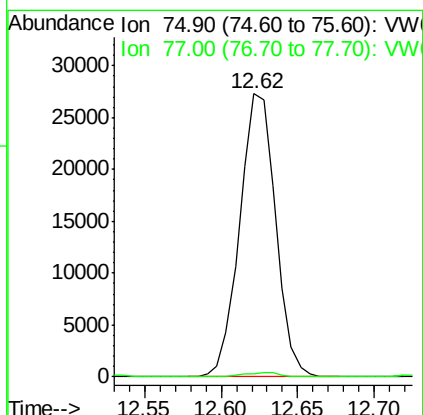
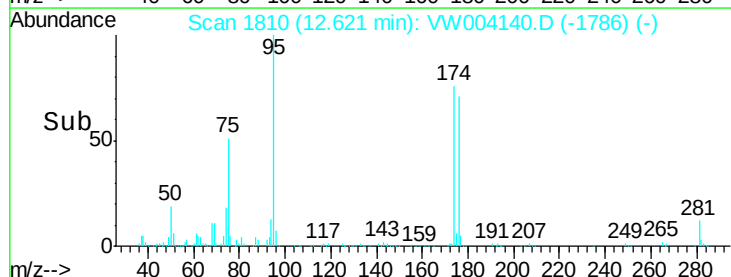
75 100

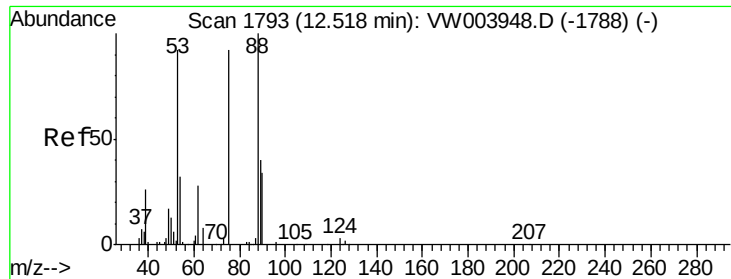
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 69.161 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004140.D

Acq: 23 Jul 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

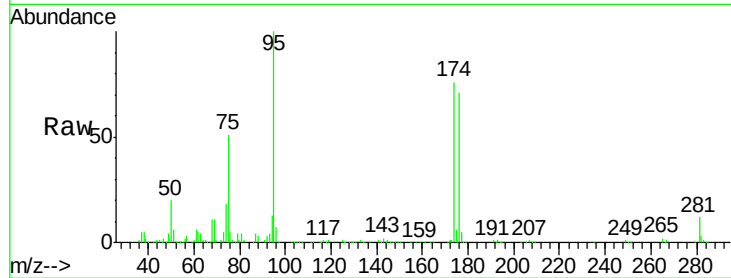
Tot Ion: 75 Resp: 44538

Ion Ratio Lower Upper

75 100

53 0.3 77.6 116.4#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

