

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004263.D
 Acq On : 27 Jul 2018 09:46
 Operator : SY/AP
 Sample : J4099-08RE
 Misc : 5.65G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 11:08:26 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	265599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	445947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85158	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	158053	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.88	113	104432	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	
50) Toluene-d8	10.33	98	416490	37.51	ug/l	0.00
Spiked Amount			Recovery	=	75.02%	
62) 4-Bromofluorobenzene	12.62	95	106941	26.71	ug/l	0.00
Spiked Amount			Recovery	=	53.42%	

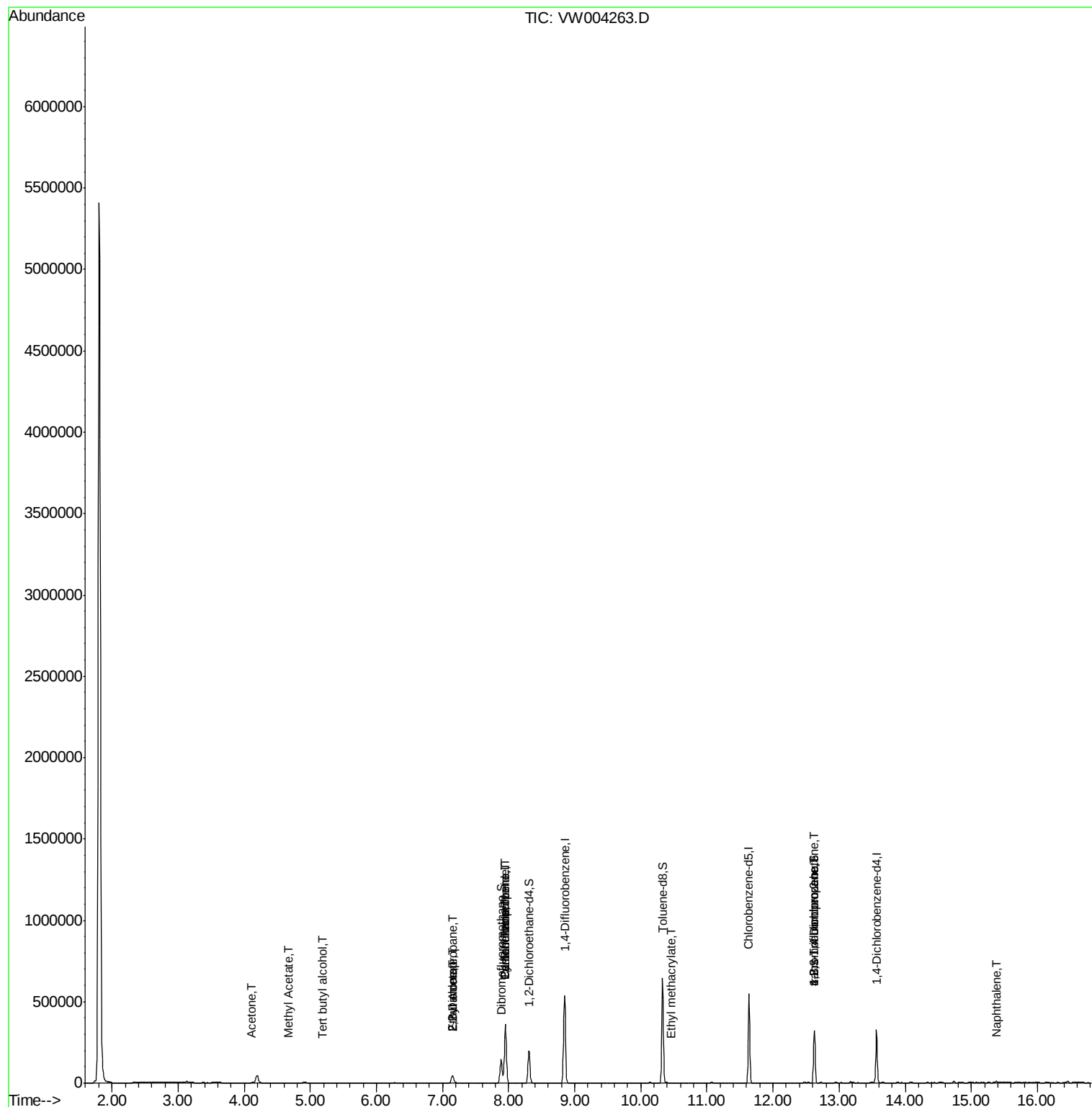
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	279	1.36	ug/l #	72
16) Acetone	4.12	43	5890	8.26	ug/l	92
18) Methyl Acetate	4.67	43	3462	2.02	ug/l #	72
20) Methylene Chloride	4.90	84	4646	Below Cal	#	93
25) 2-Butanone	7.15	43	3560	3.71	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	3050	1.01	ug/l #	52
31) Cyclohexane	7.95	56	5894	1.20	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21472	4.68	ug/l #	50
37) Ethyl Acetate	7.15	43	3560	1.61	ug/l #	1
38) Carbon Tetrachloride	7.95	117	26076	6.08	ug/l #	17
56) Ethyl methacrylate	10.45	69	23	2.95	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	54125	64.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54125	141.61	ug/l #	11
95) Naphthalene	15.38	128	7353	2.21	ug/l	97

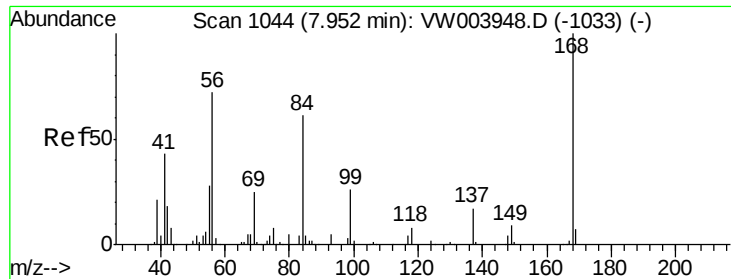
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072818\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

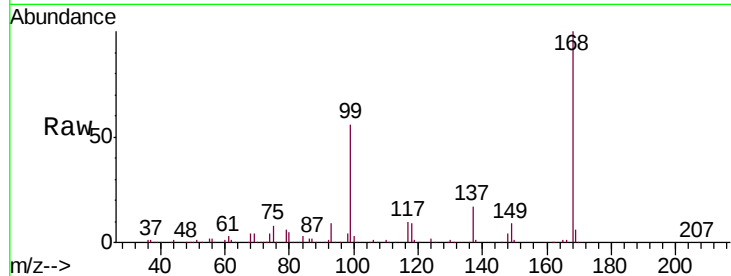
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 265599

Ion Ratio Lower Upper

168 100

99 56.3 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

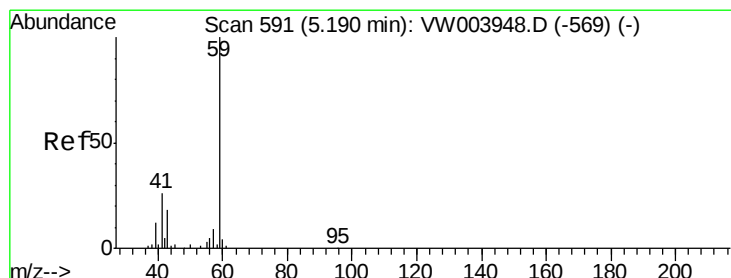
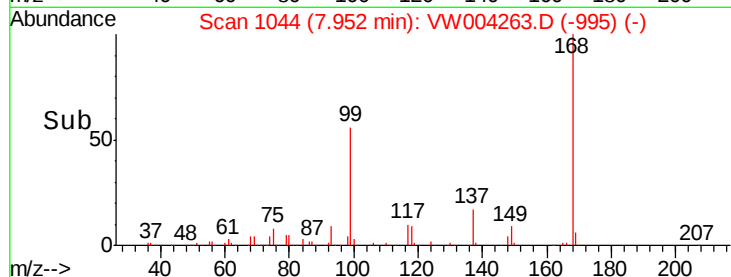
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.36 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004263.D

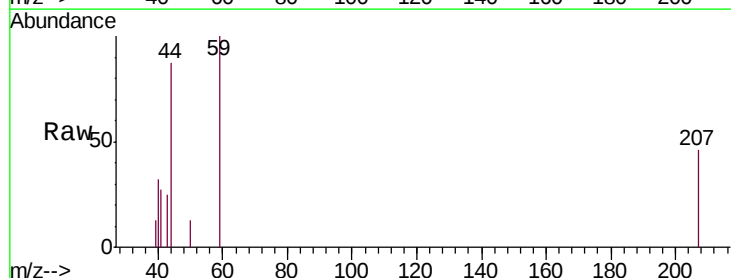
Acq: 27 Jul 2018 09:46

Tgt Ion: 59 Resp: 279

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

5.18

400

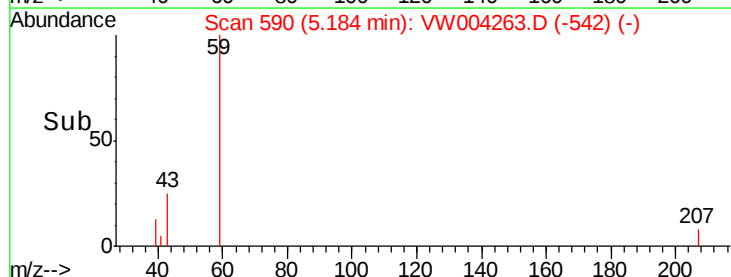
300

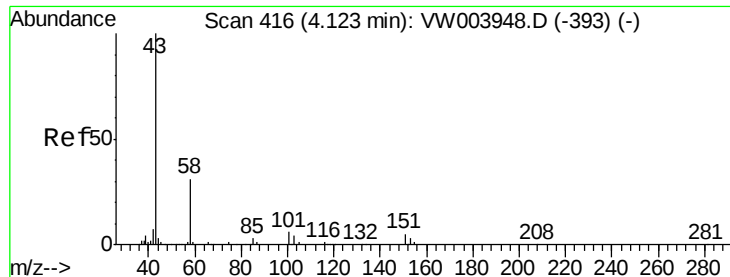
200

100

0

Time--> 5.16 5.18 5.20





#16

Acetone

Concen: 8.26 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

Instrument :

MSVOA_W

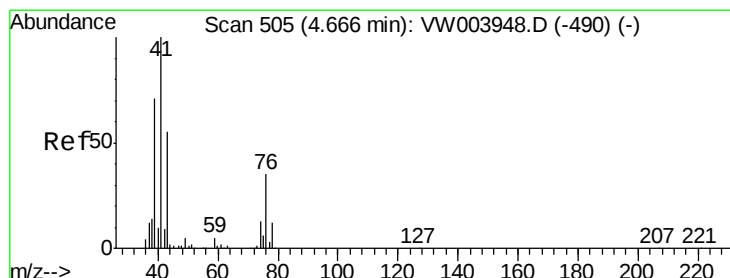
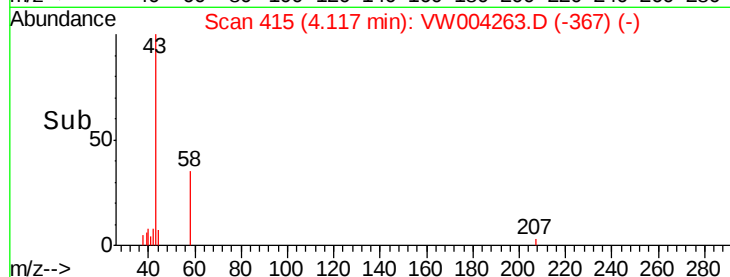
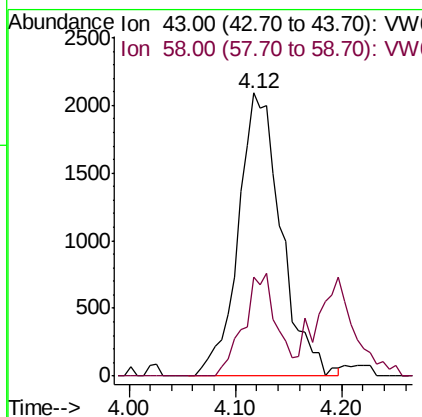
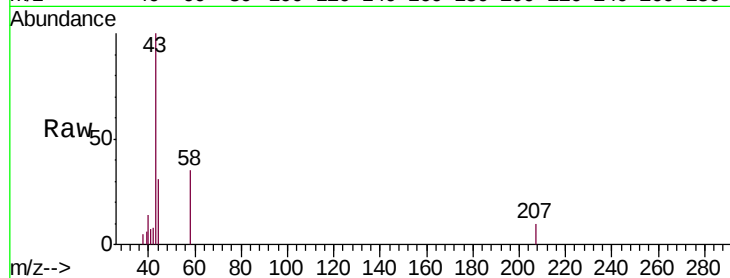
ClientSampled :

Tot Ion: 43 Resp: 5890

Ion Ratio Lower Upper

43 100

58 35.2 24.5 36.7



#18

Methyl Acetate

Concen: 2.02 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004263.D

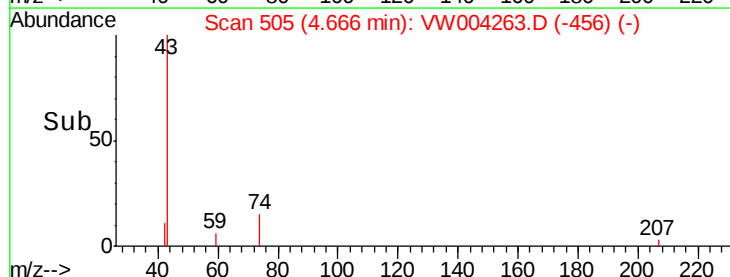
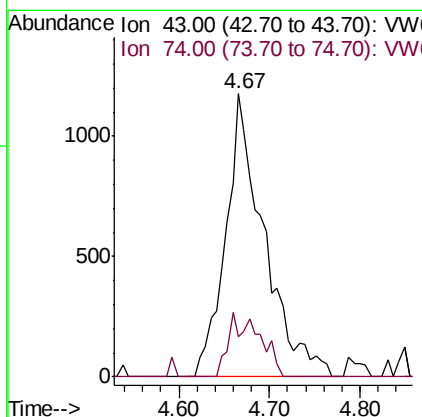
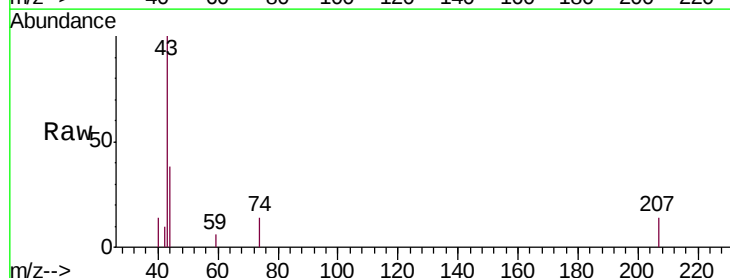
Acq: 27 Jul 2018 09:46

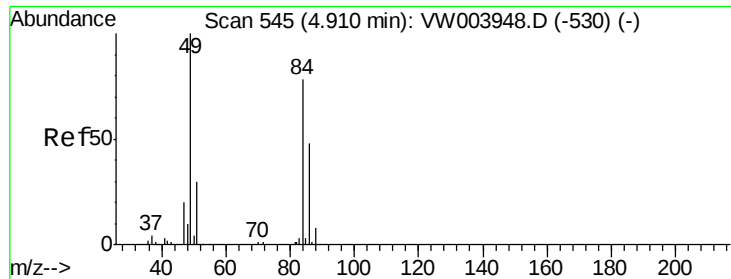
Tgt Ion: 43 Resp: 3462

Ion Ratio Lower Upper

43 100

74 8.5 17.7 26.5#

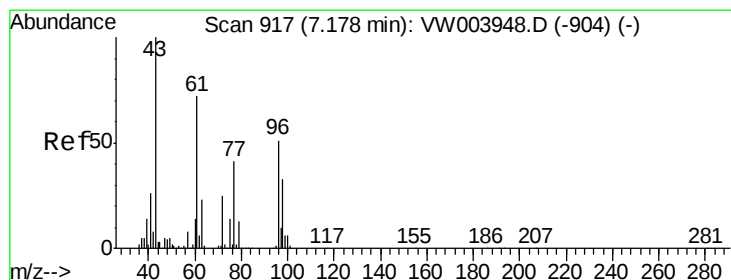
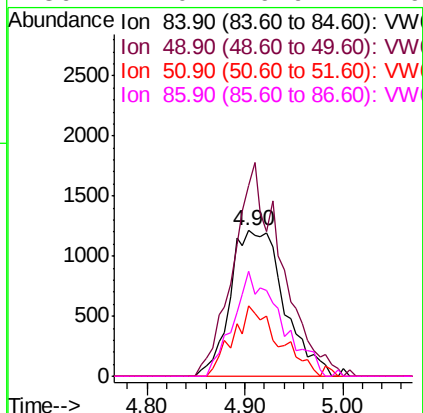
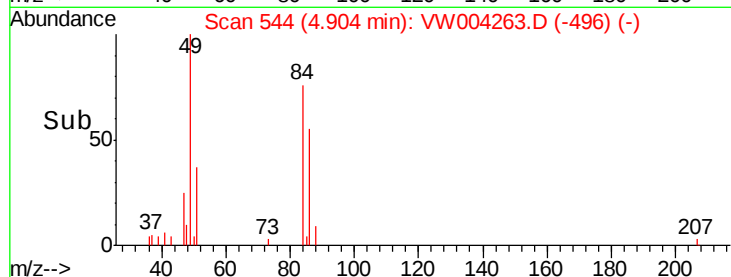
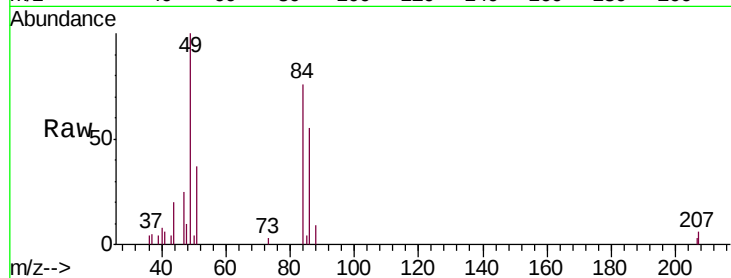




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

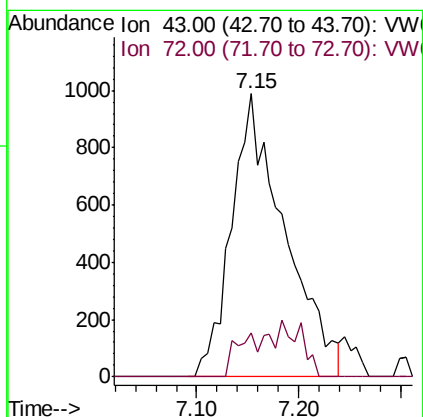
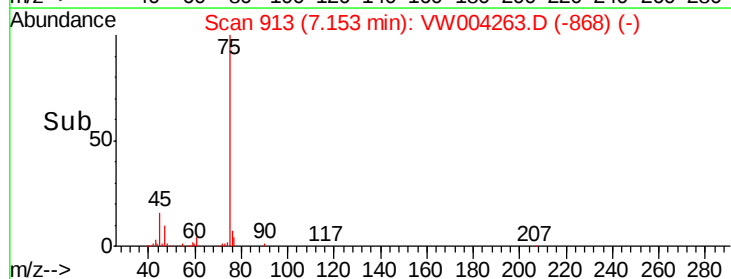
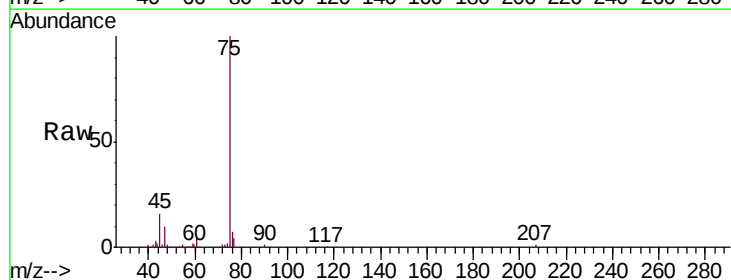
Instrument :
MSVOA_W
ClientSampled :

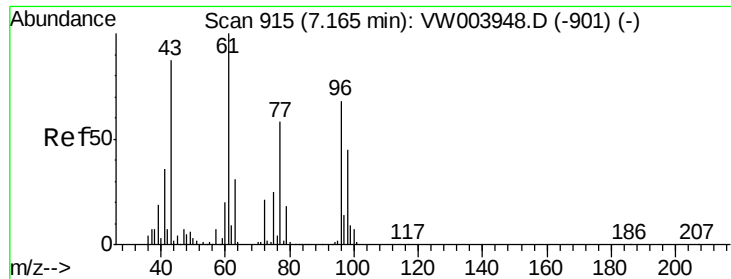
Tot Ion	84	Resp	4646
Ion	Ratio	Lower	Upper
84	100		
49	130.9	102.9	154.3
51	48.4	30.9	46.3#
86	72.0	49.9	74.9



#25
2-Butanone
Concen: 3.71 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

Tgt Ion	43	Resp	3560
Ion	Ratio	Lower	Upper
43	100		
72	15.5	19.8	29.6#





#26

2,2-Dichloropropane

Concen: 1.01 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

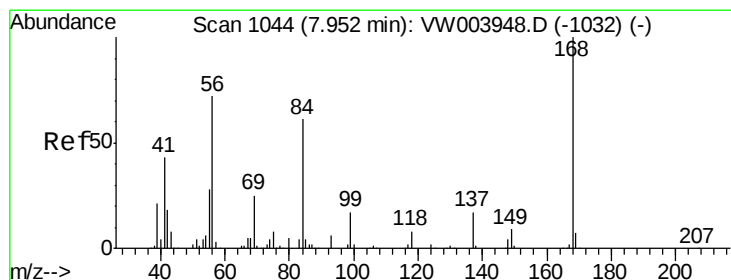
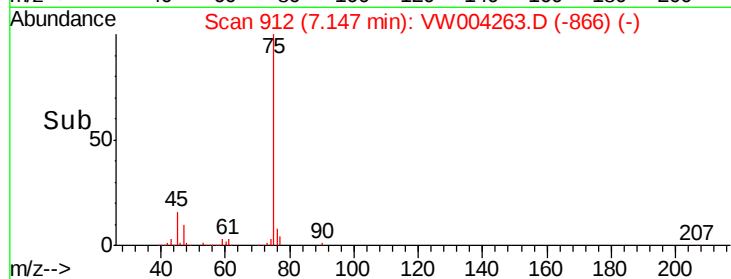
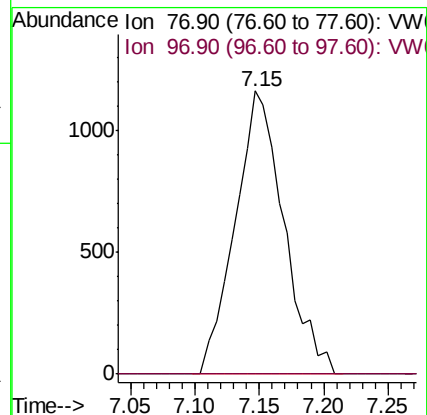
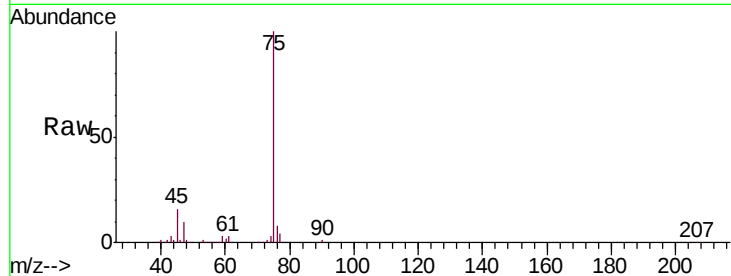
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 3050

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.20 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

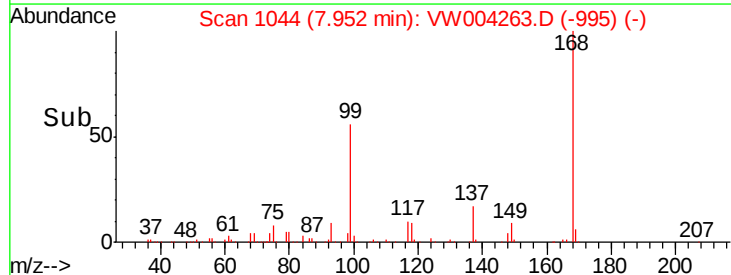
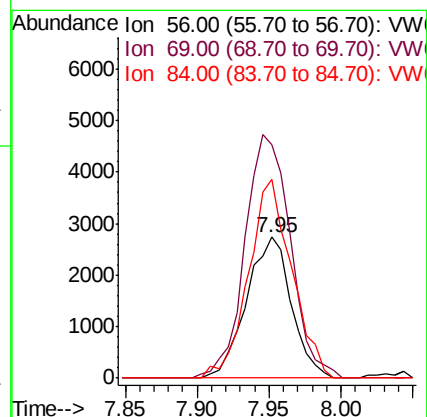
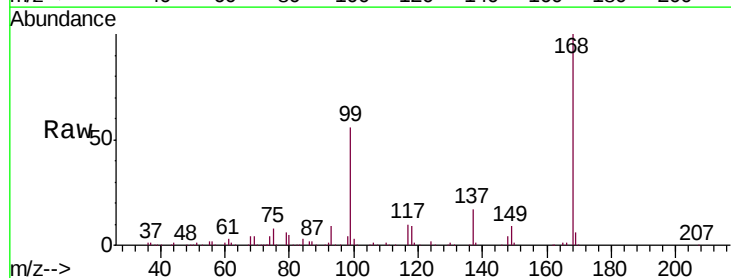
Tgt Ion: 56 Resp: 5894

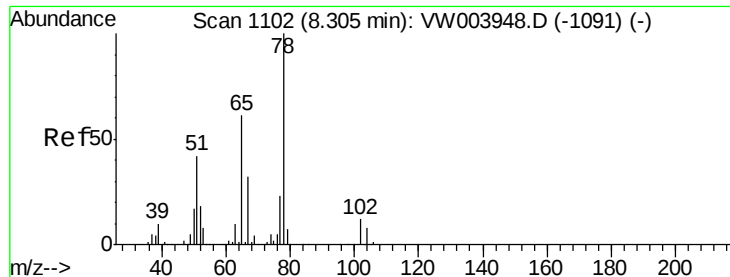
Ion Ratio Lower Upper

56 100

69 165.6 27.8 41.8#

84 140.8 67.2 100.8#

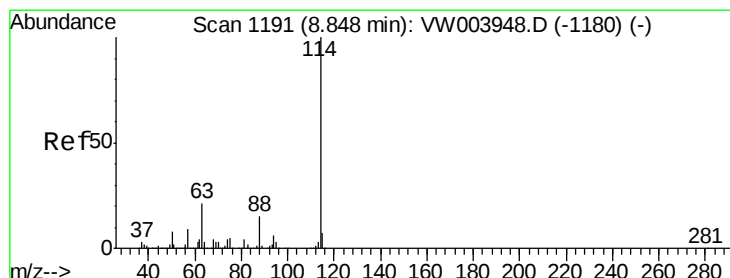
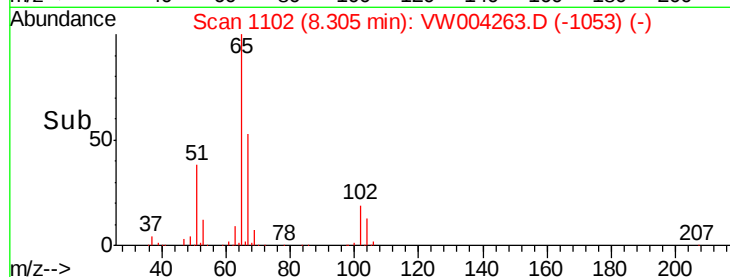
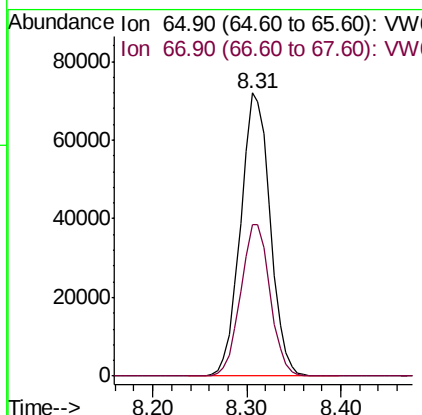
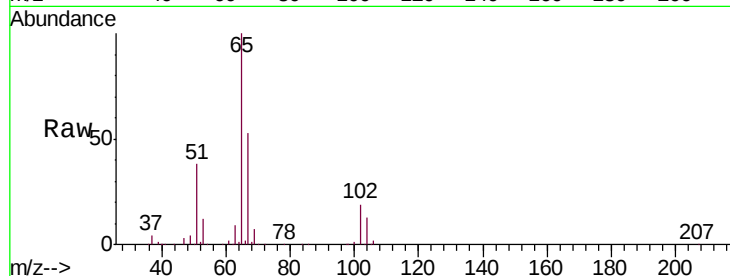




#33
 1,2-Dichloroethane-d4
 Concen: 53.24 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004263.D
 Acq: 27 Jul 2018 09:46

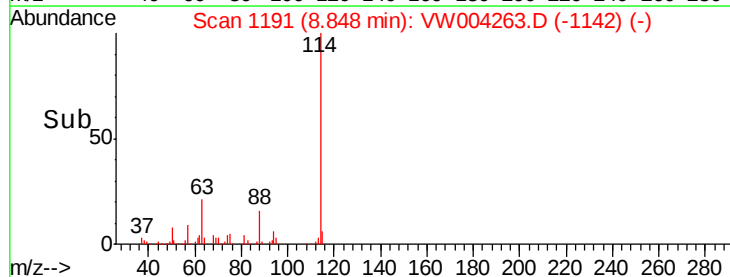
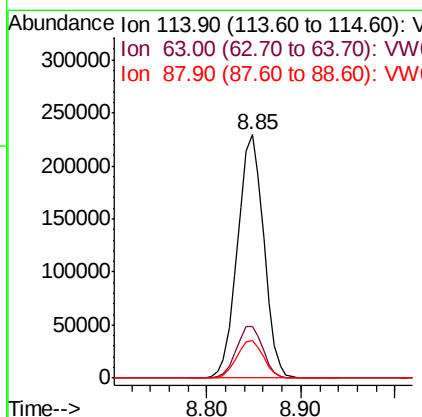
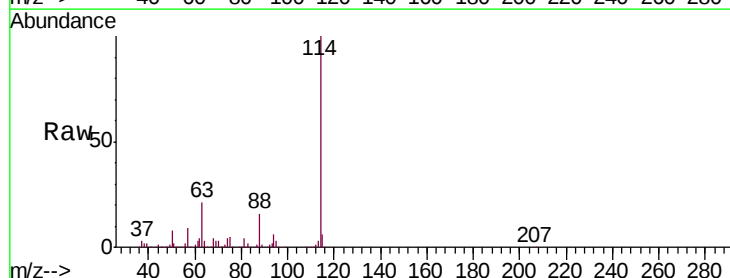
Instrument :
 MSVOA_W
 ClientSampleId :

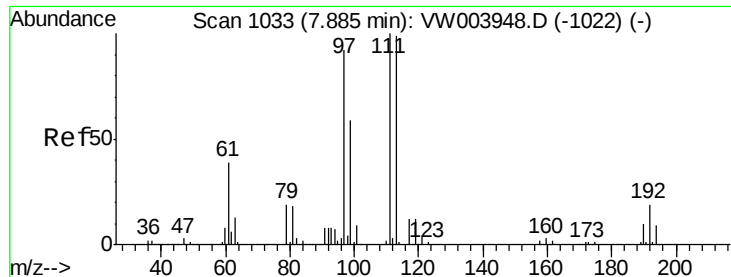
Tot Ion: 65 Resp: 158053
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004263.D
 Acq: 27 Jul 2018 09:46

Tgt Ion: 114 Resp: 445947
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 15.6 0.0 30.4

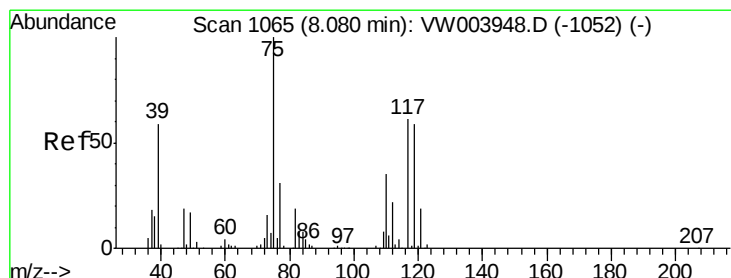
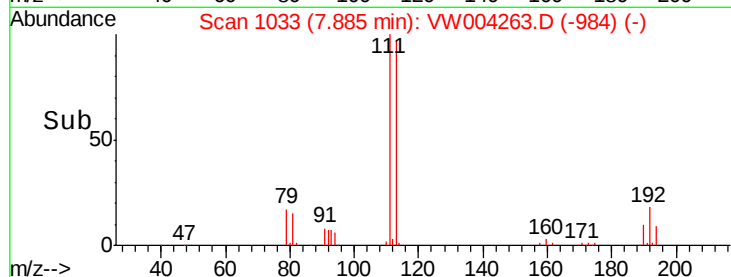
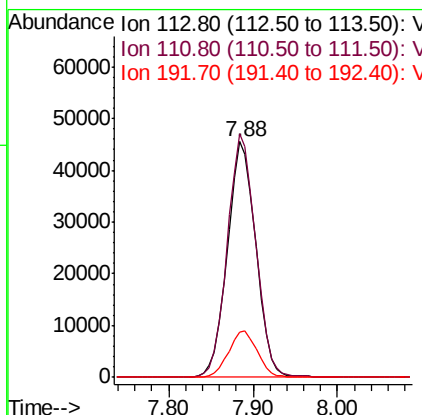
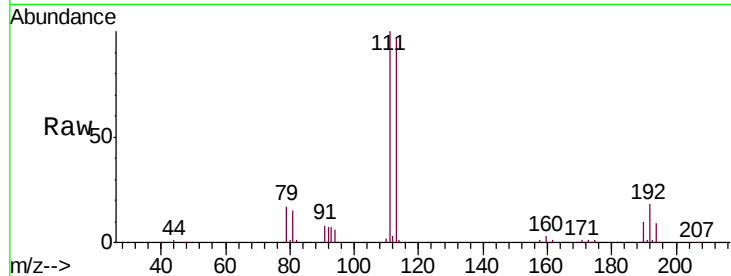




#35
 Dibromofluoromethane
 Concen: 36.50 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004263.D
 Acq: 27 Jul 2018 09:46

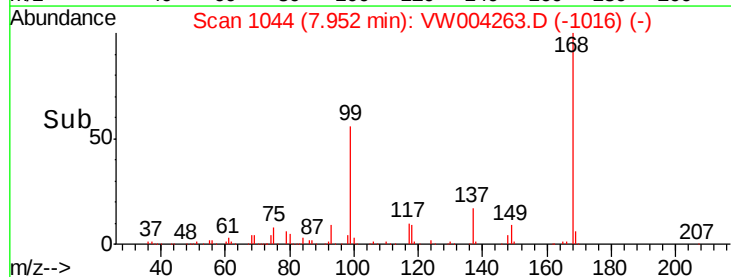
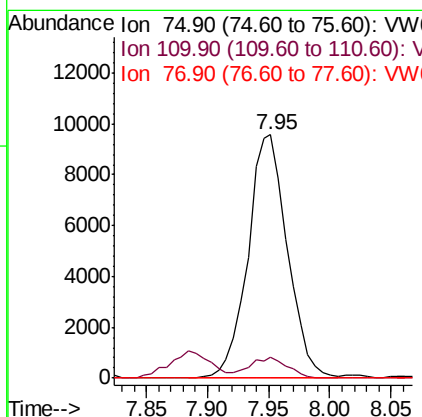
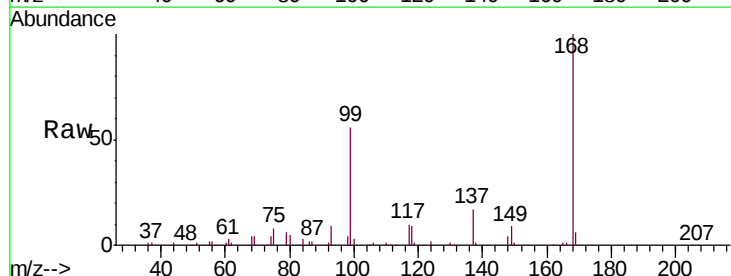
Instrument :
 MSVOA_W
 ClientSampled :

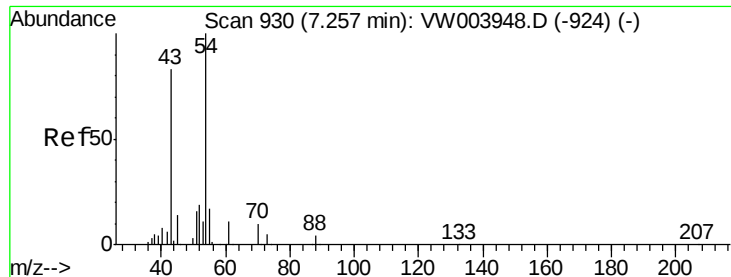
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.7	15.8	23.6



#36
 1,1-Dichloropropene
 Concen: 4.68 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004263.D
 Acq: 27 Jul 2018 09:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	51.0#
77	0.0	24.9	37.3#

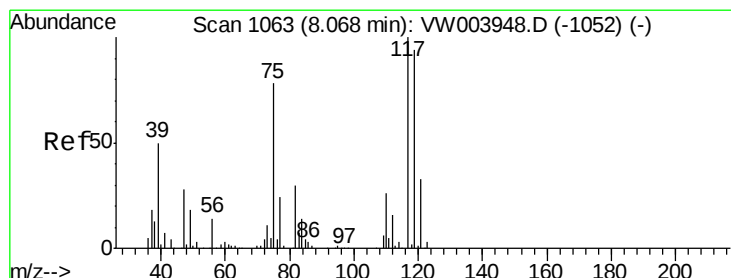
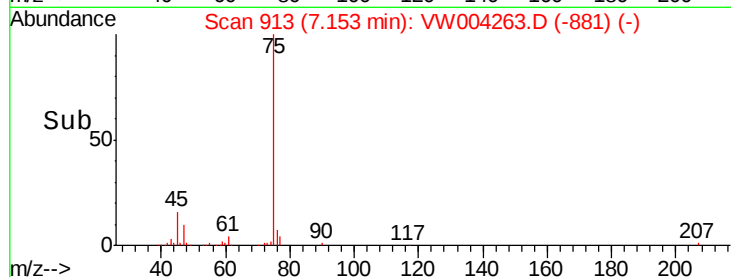
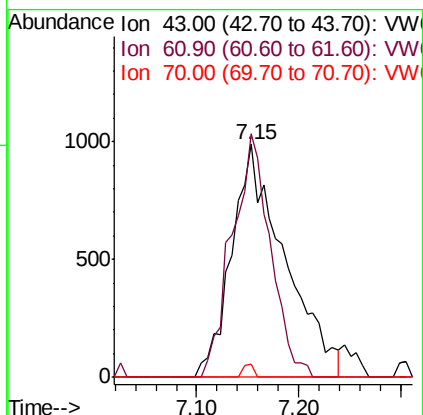
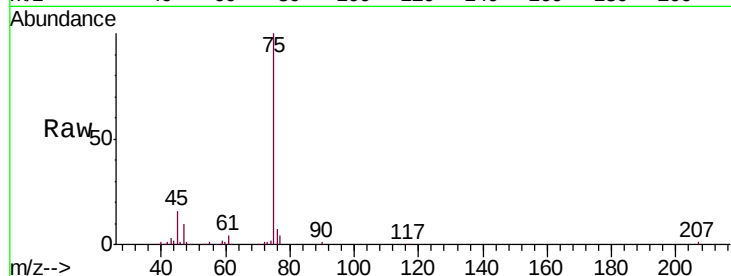




#37
Ethyl Acetate
Concen: 1.61 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.10 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

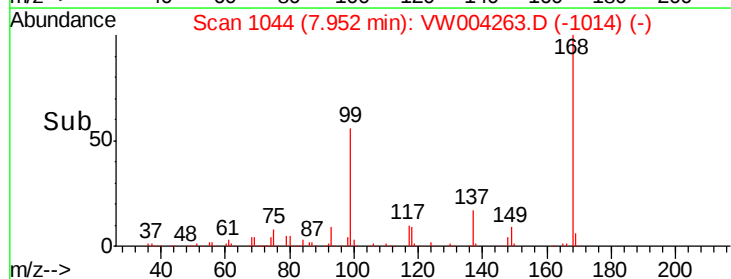
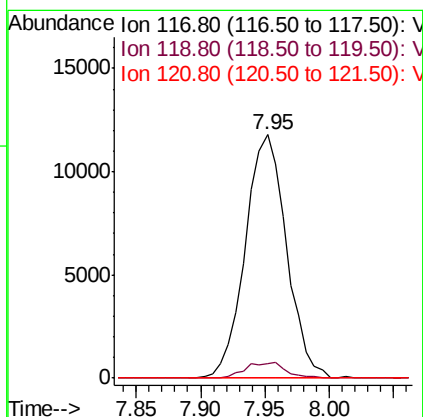
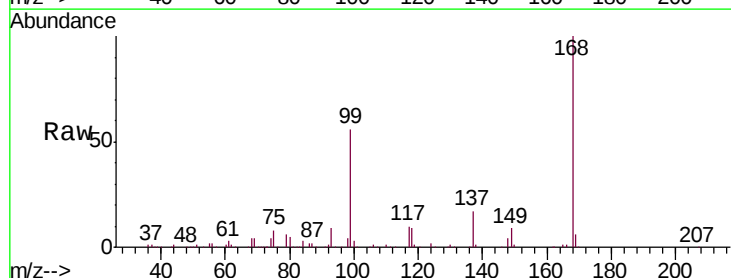
Instrument :
MSVOA_W
ClientSampled :

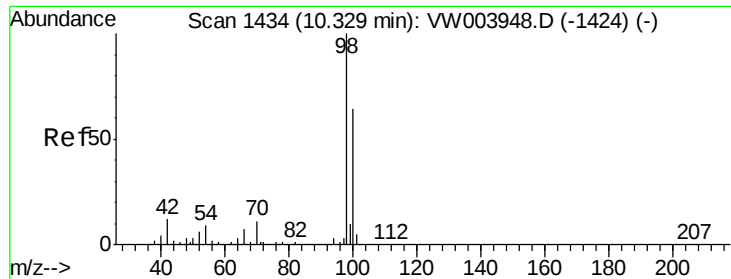
Tot Ion: 43 Resp: 3560
Ion Ratio Lower Upper
43 100
61 76.1 10.7 16.1#
70 1.1 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

Tgt Ion: 117 Resp: 26076
Ion Ratio Lower Upper
117 100
119 5.8 75.3 112.9#
121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 37.51 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

Instrument :

MSVOA_W

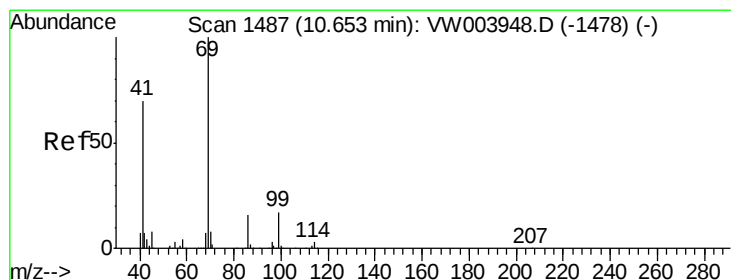
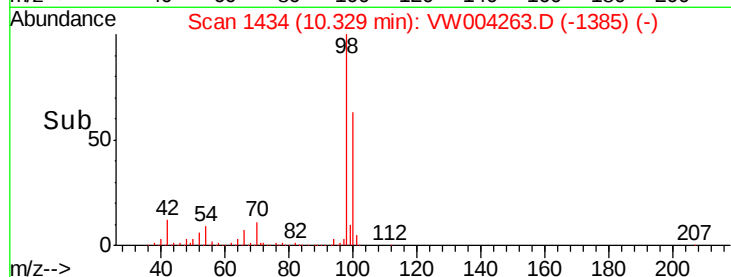
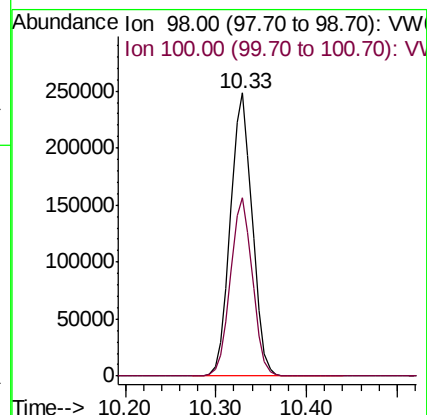
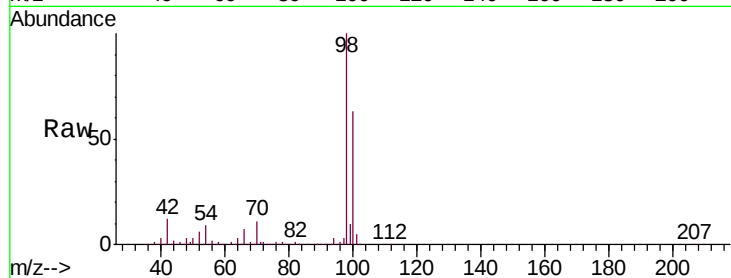
ClientSampled :

Tot Ion: 98 Resp: 416490

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#56

Ethyl methacrylate

Concen: 2.95 ug/l

RT: 10.45 min Scan# 1454

Delta R.T. -0.20 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

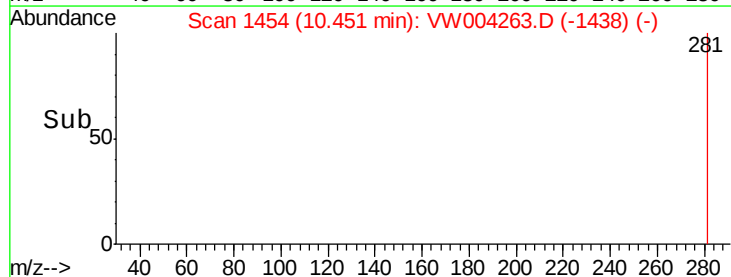
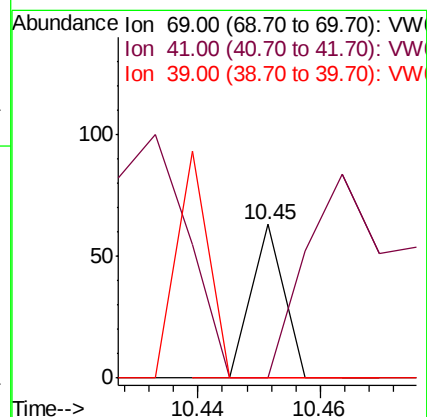
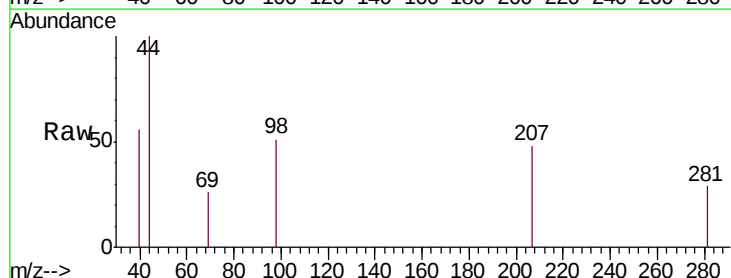
Tgt Ion: 69 Resp: 23

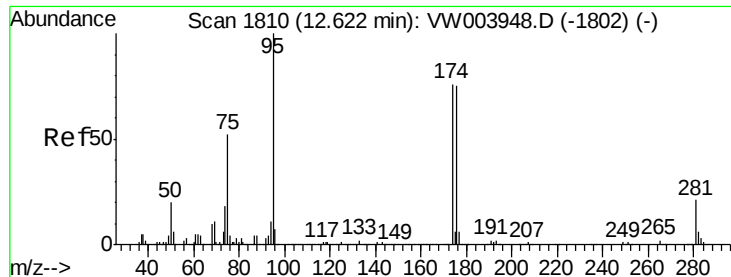
Ion Ratio Lower Upper

69 100

41 295.7 56.5 84.7#

39 0.0 30.2 45.4#

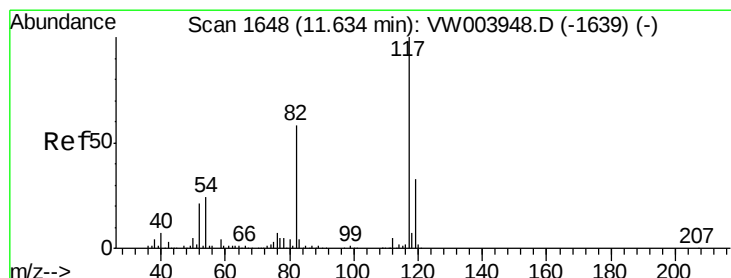
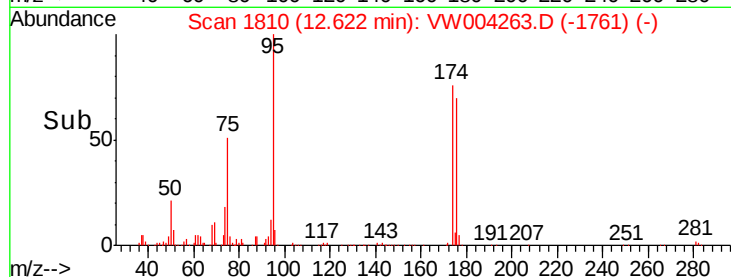
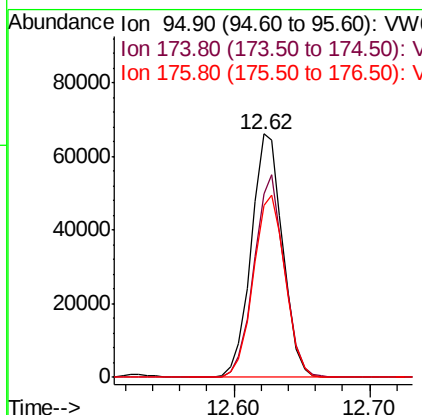
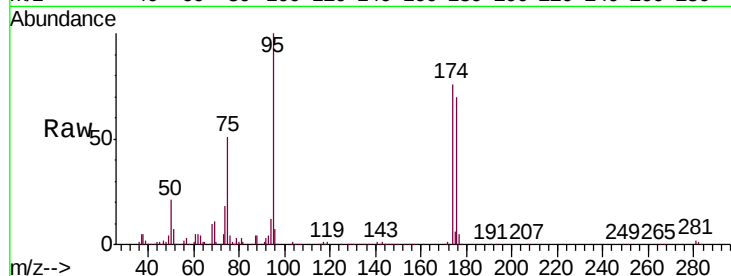




#62
4-Bromofluorobenzene
Concen: 26.71 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

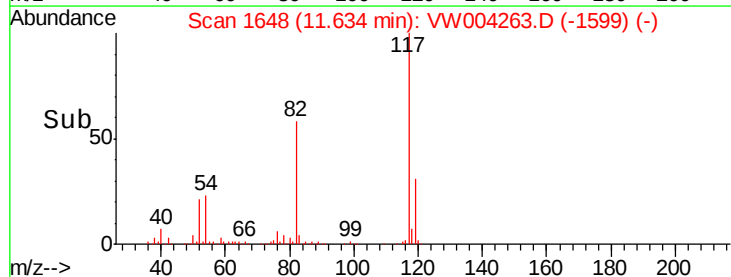
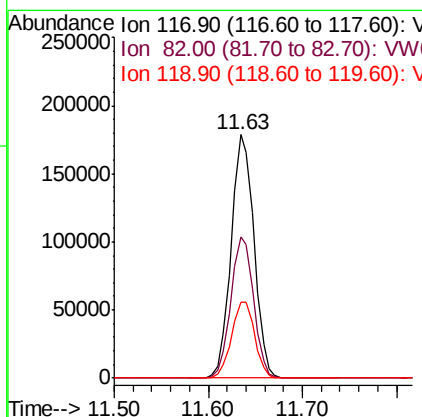
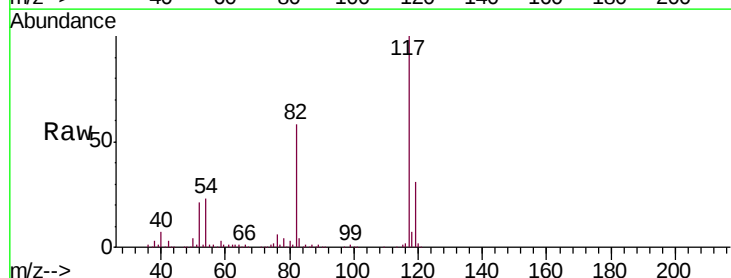
Instrument :
MSVOA_W
ClientSampleId :

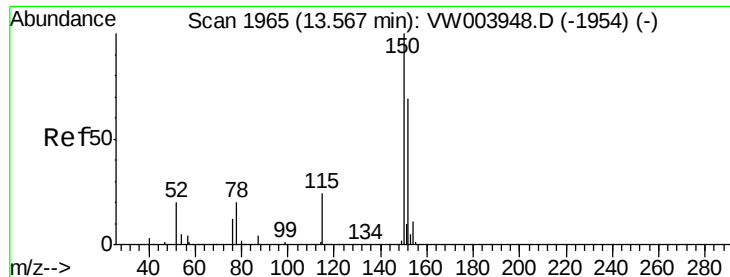
Tot Ion: 95 Resp: 106941
Ion Ratio Lower Upper
95 100
174 80.5 0.0 160.2
176 76.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

Tgt Ion: 117 Resp: 300021
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 30.9 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004263.D

Acq: 27 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampled :

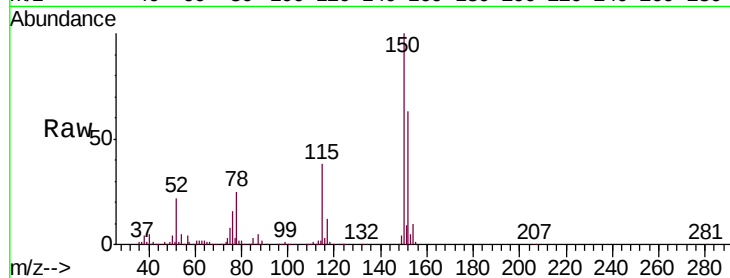
Tot Ion:152 Resp: 85158

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

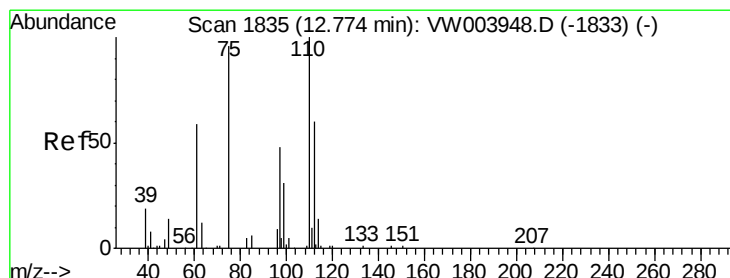
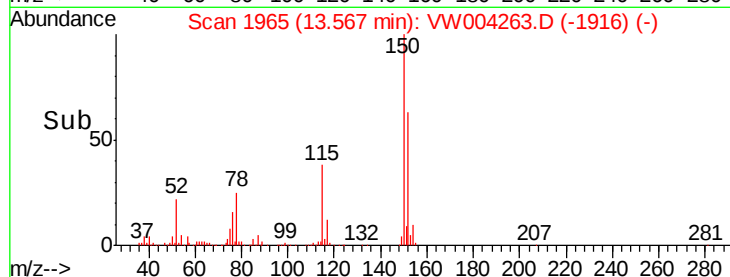
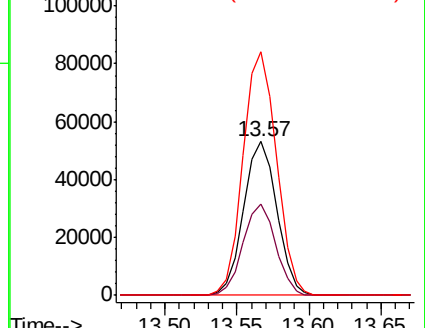
150 158.7 0.0 345.2



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: 64.02 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004263.D

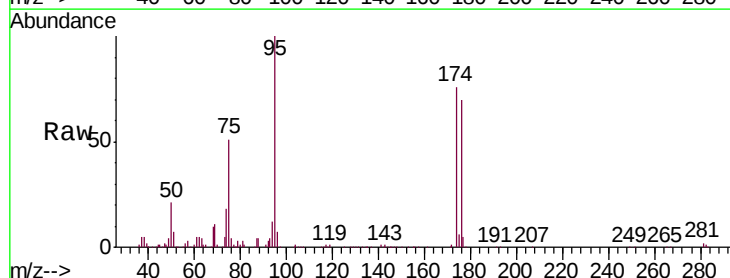
Acq: 27 Jul 2018 09:46

Tgt Ion: 75 Resp: 54125

Ion Ratio Lower Upper

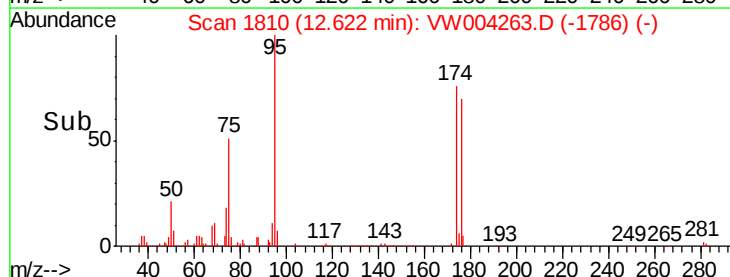
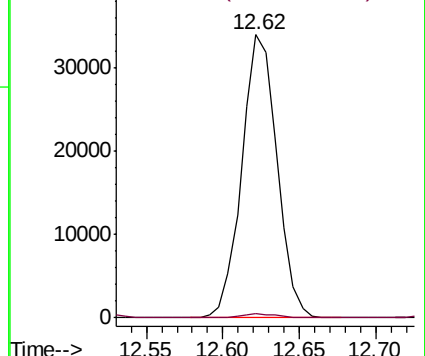
75 100

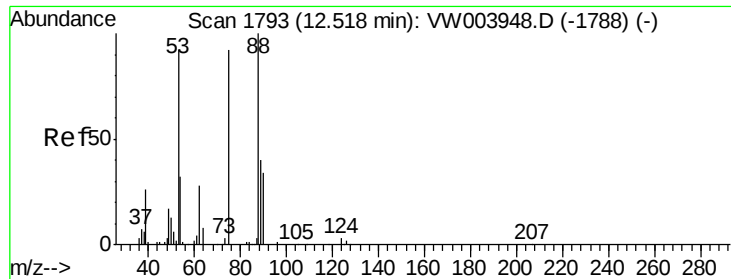
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

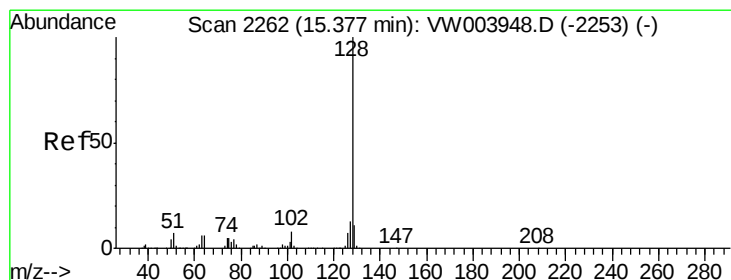
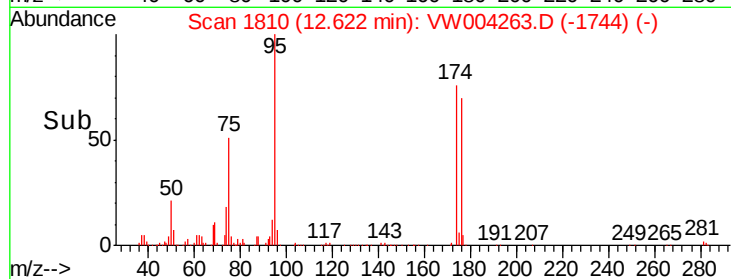
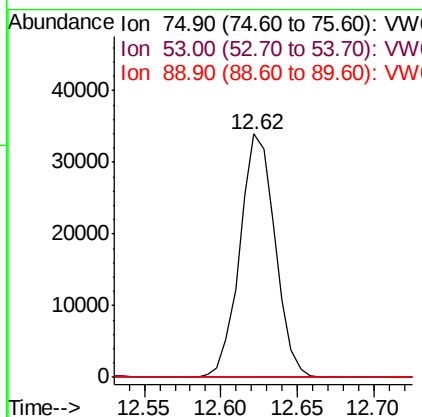
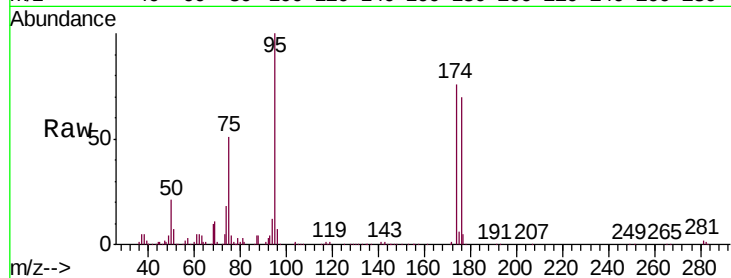




#81
trans-1,4-Dichloro-2-butene
Concen: 141.61 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 54125
Ion Ratio Lower Upper
75 100
53 0.4 77.6 116.4#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 2.21 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004263.D
Acq: 27 Jul 2018 09:46

Tgt Ion: 128 Resp: 7353
Ion Ratio Lower Upper
128 100
127 14.9 10.7 16.1
129 11.9 8.7 13.1

