

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004247.D
 Acq On : 27 Jul 2018 02:52
 Operator : SY/AP
 Sample : J4162-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 07:37:40 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	147834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	253701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	53310	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	123041	74.46	ug/l	0.00
Spiked Amount			Recovery	=	148.92%	
35) Dibromofluoromethane	7.88	113	98917	60.77	ug/l	0.00
Spiked Amount			Recovery	=	121.54%	
50) Toluene-d8	10.33	98	296340	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.62	95	64603	28.36	ug/l	0.00
Spiked Amount			Recovery	=	56.72%	

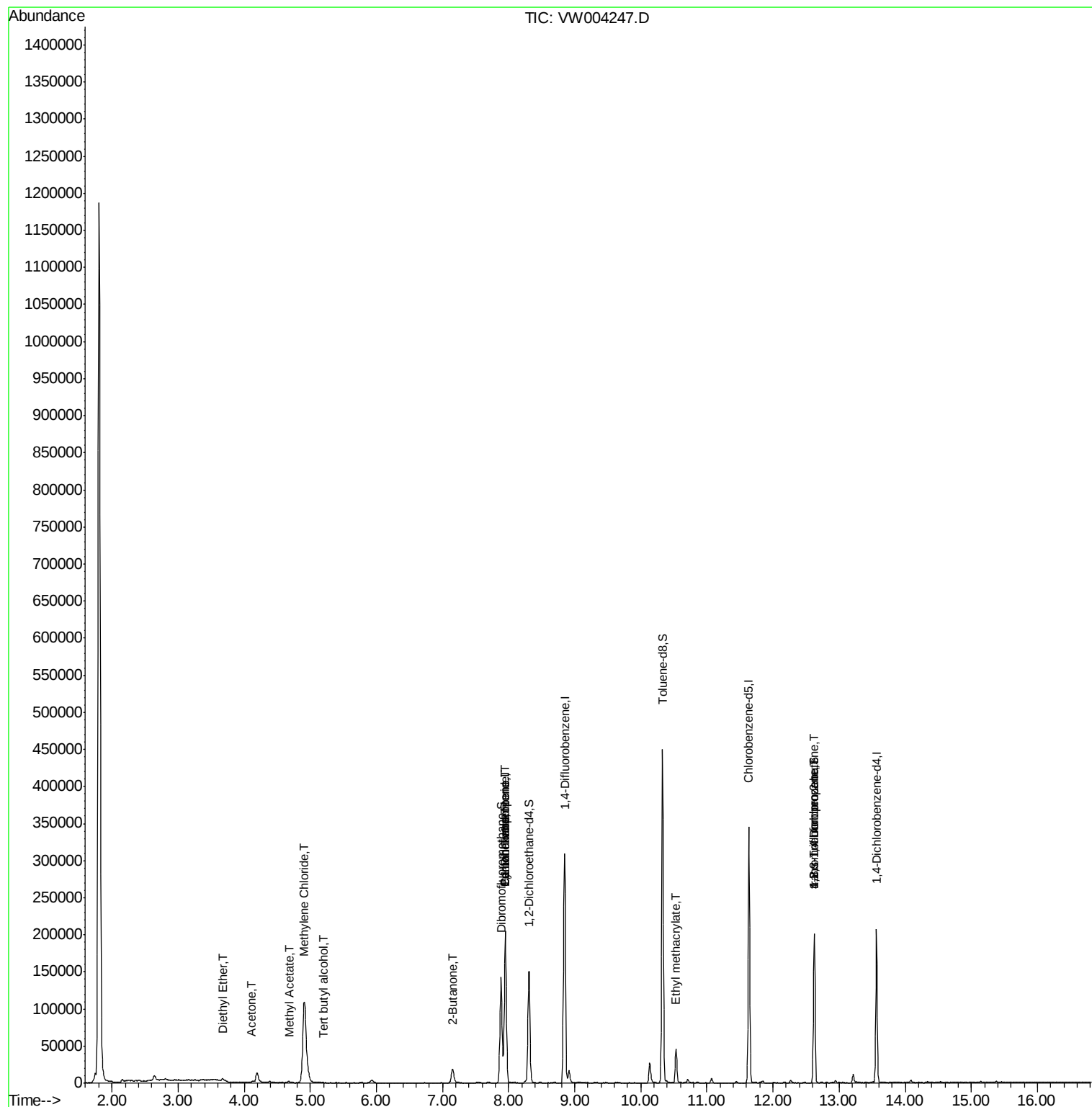
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1061	1.449	ug/l #	35
11) Tert butyl alcohol	5.20	59	166	1.455	ug/l #	72
16) Acetone	4.12	43	3756	9.459	ug/l	95
18) Methyl Acetate	4.68	43	2912	3.055	ug/l	98
20) Methylene Chloride	4.91	84	101849	59.604	ug/l	97
25) 2-Butanone	7.16	43	1430	2.676	ug/l #	51
31) Cyclohexane	7.95	56	3556	1.297	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	11838	4.535	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15135	6.206	ug/l #	18
56) Ethyl methacrylate	10.54	69	1748	3.799	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	33217	62.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	33217	138.830	ug/l #	11

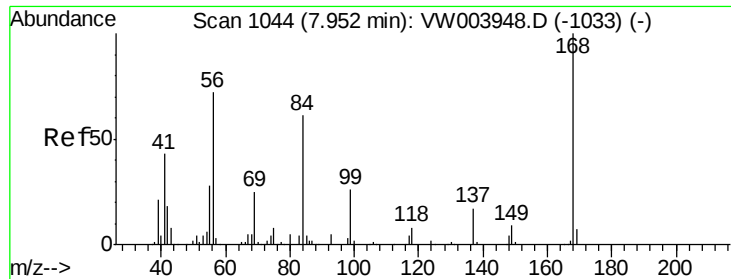
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004247.D

Acq: 27 Jul 2018 02:52

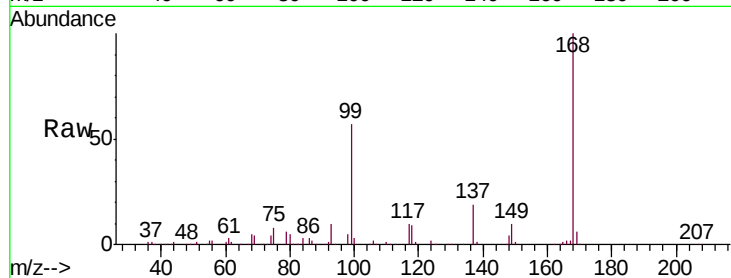
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 147834

Ion Ratio Lower Upper

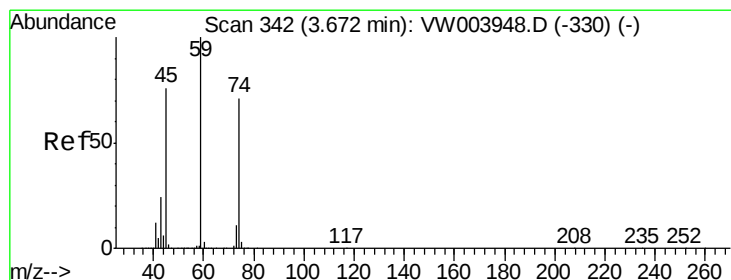
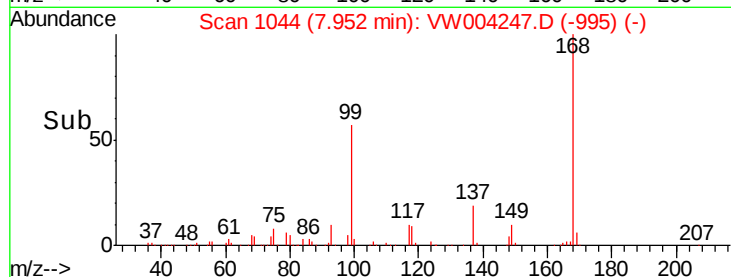
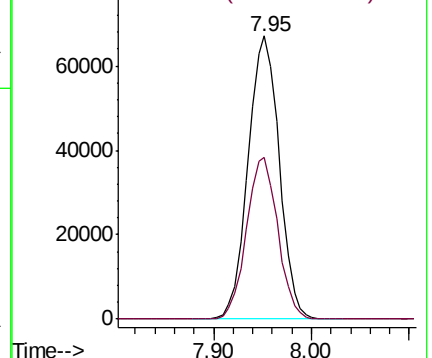
168 100

99 57.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.449 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004247.D

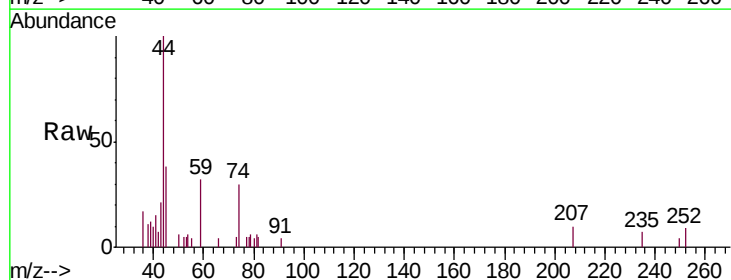
Acq: 27 Jul 2018 02:52

Tgt Ion: 74 Resp: 1061

Ion Ratio Lower Upper

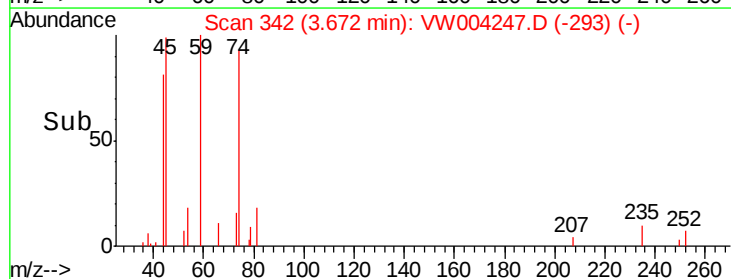
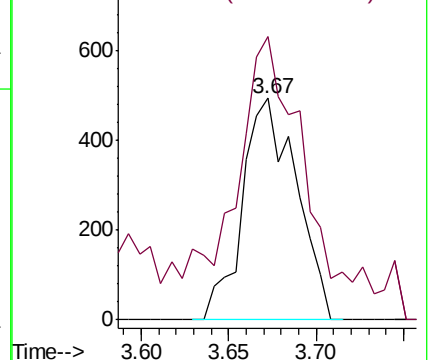
74 100

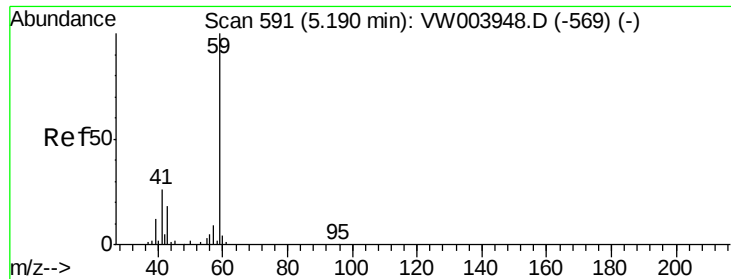
45 175.0 53.8 161.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

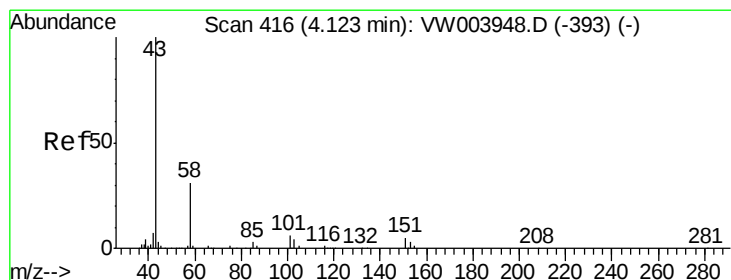
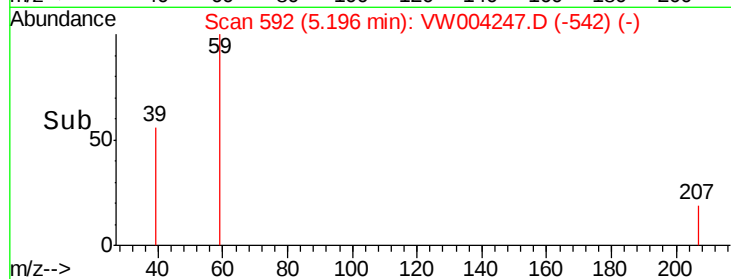
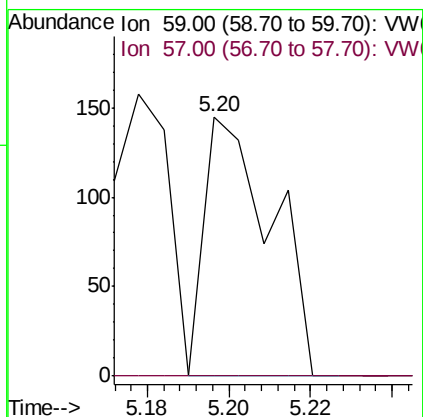
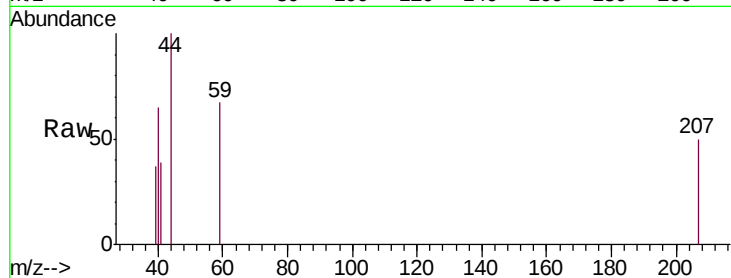




#11
Tert butvl alcohol
Concen: 1.455 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

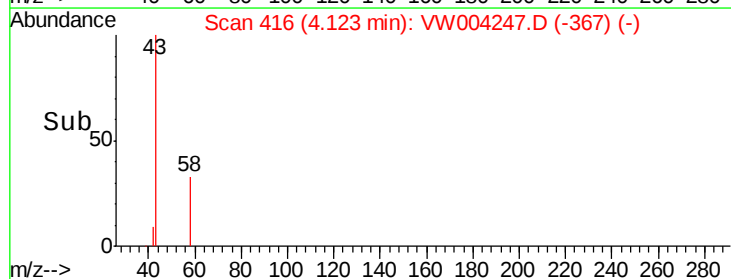
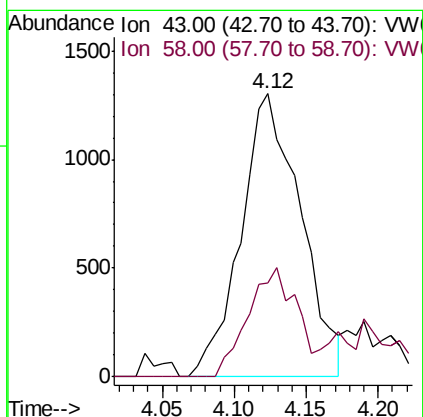
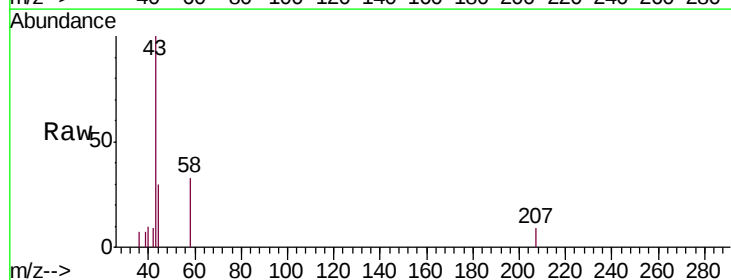
Instrument :
MSVOA_W
ClientSampled :

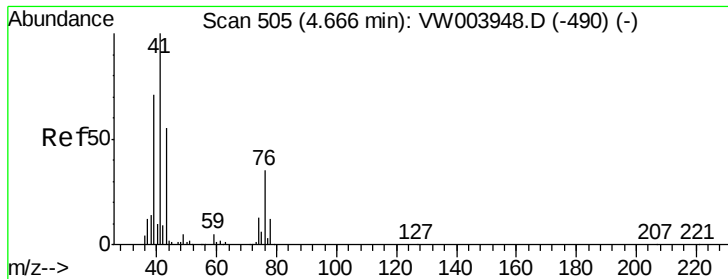
Tot Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 9.459 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.00 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

Tgt Ion: 43 Resp: 3756
Ion Ratio Lower Upper
43 100
58 33.1 24.5 36.7

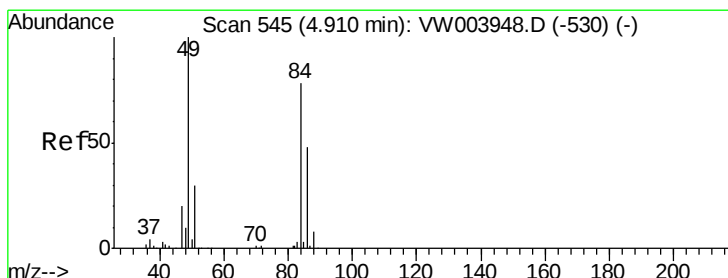
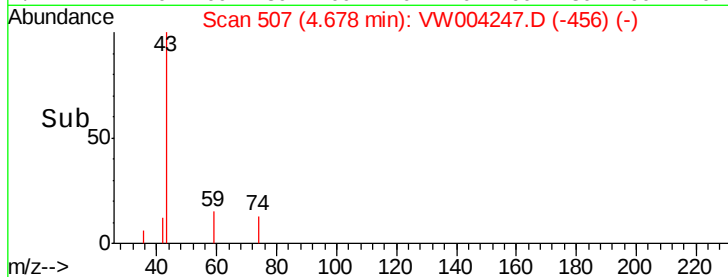
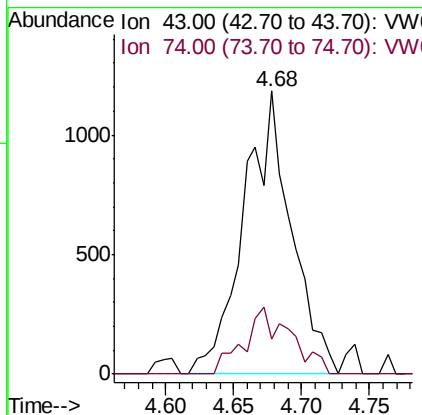
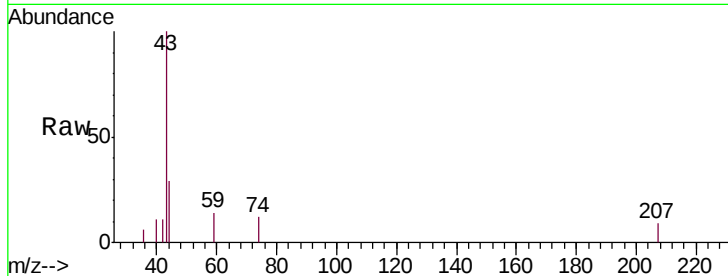




#18
Methvl Acetate
Concen: 3.055 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

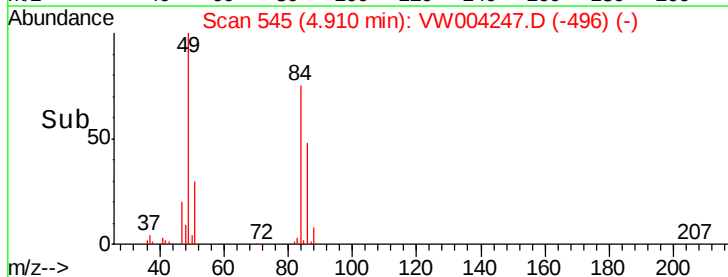
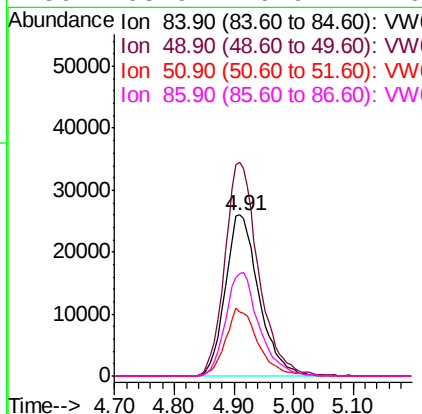
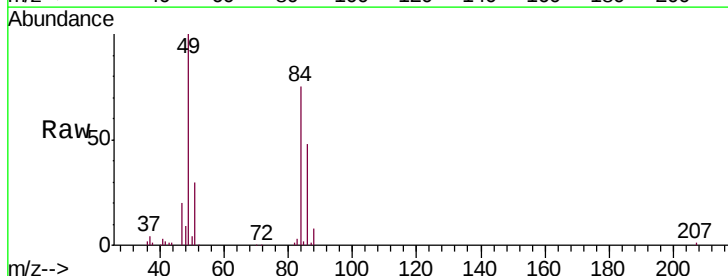
Instrument :
MSVOA_W
ClientSampled :

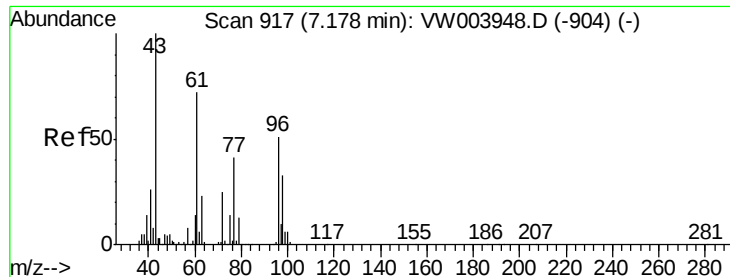
Tot Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
74 23.0 17.7 26.5



#20
Methylene Chloride
Concen: 59.604 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

Tgt Ion: 84 Resp: 101849
Ion Ratio Lower Upper
84 100
49 132.6 102.9 154.3
51 39.9 30.9 46.3
86 63.9 49.9 74.9

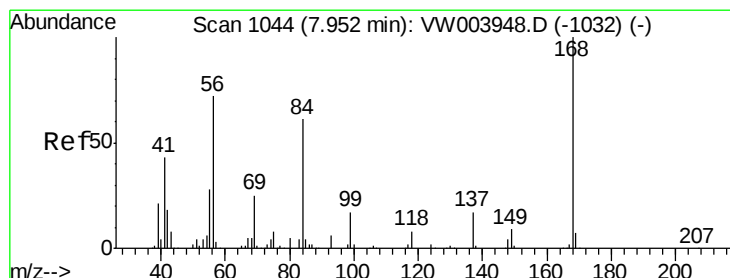
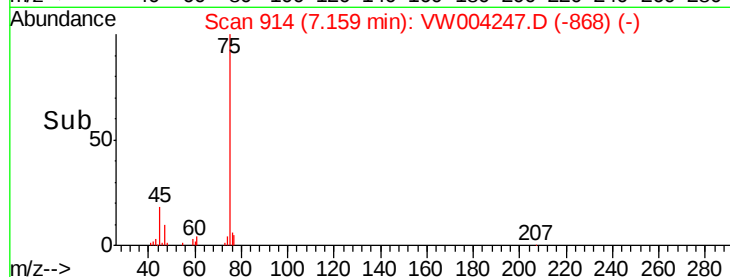
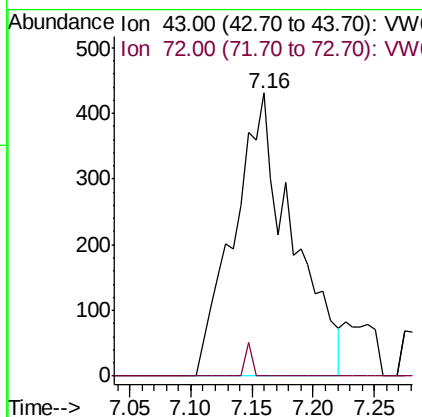
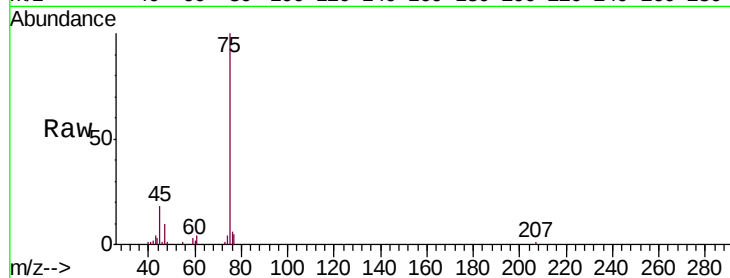




#25
2-Butanone
Concen: 2.676 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

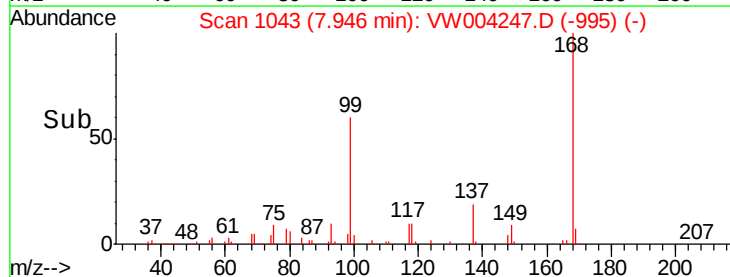
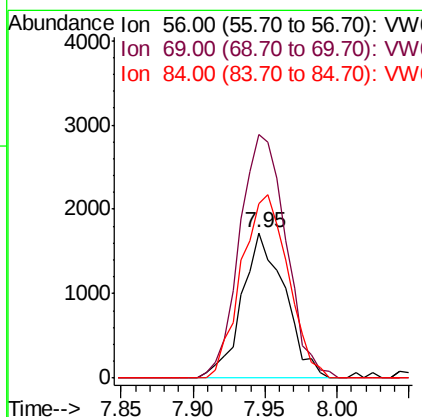
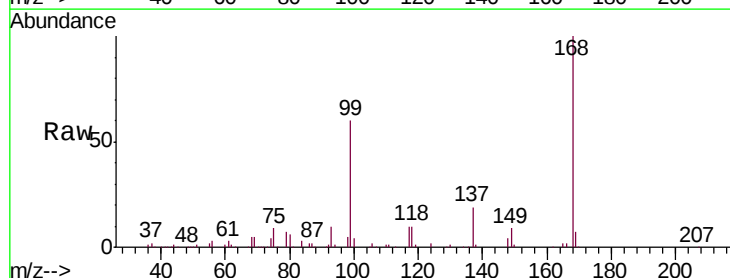
Instrument :
MSVOA_W
ClientSampled :

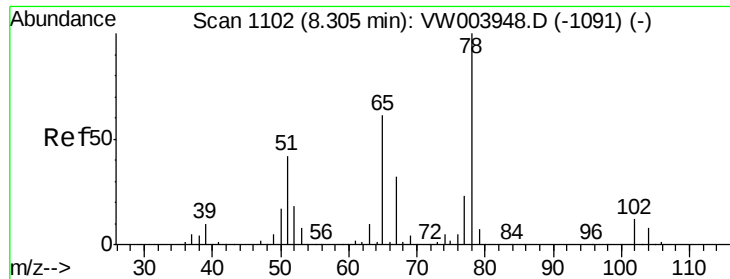
Tot Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

Tgt Ion: 56 Resp: 3556
Ion Ratio Lower Upper
56 100
69 167.8 27.8 41.8#
84 120.0 67.2 100.8#

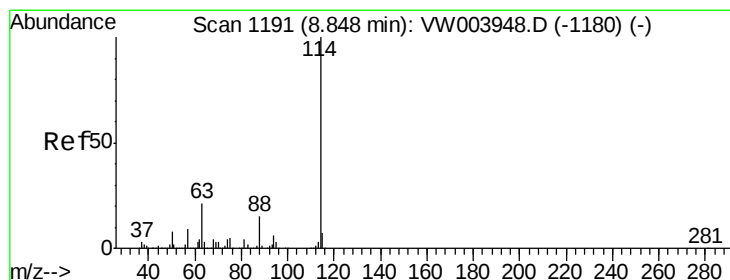
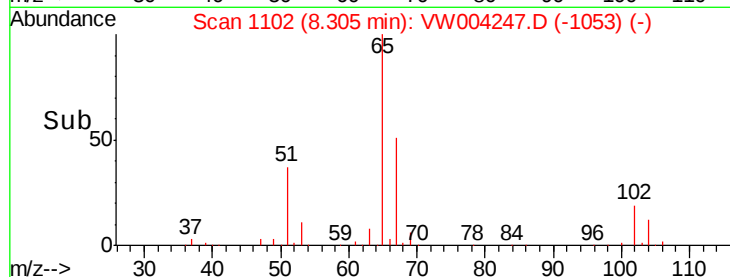
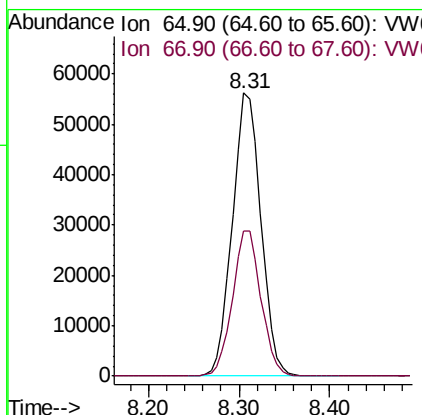
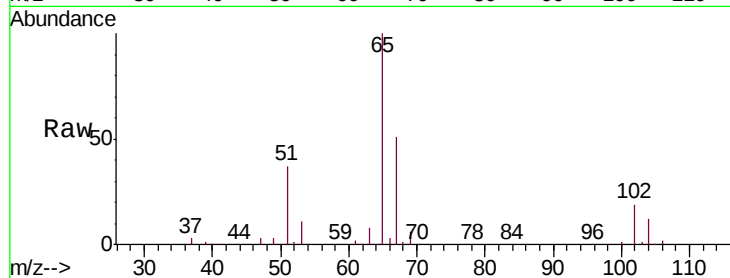




#33
 1,2-Dichloroethane-d4
 Concen: 74.458 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004247.D
 Acq: 27 Jul 2018 02:52

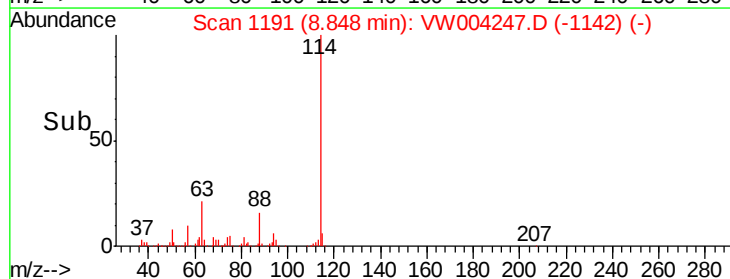
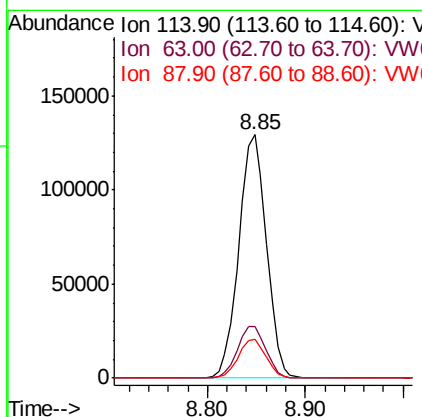
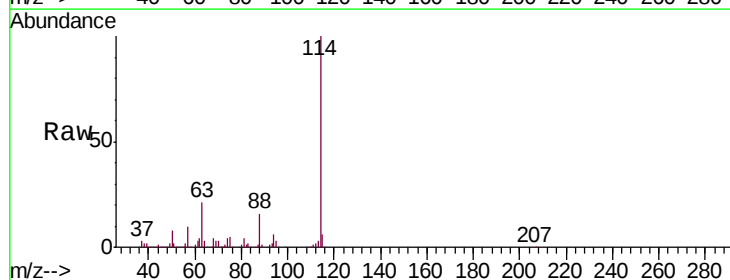
Instrument :
 MSVOA_W
 ClientSampled :

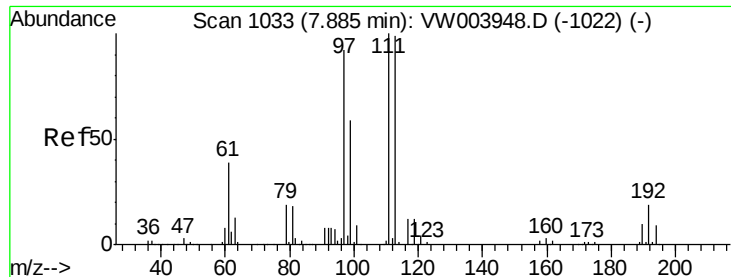
Tot Ion: 65 Resp: 123041
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004247.D
 Acq: 27 Jul 2018 02:52

Tgt Ion: 114 Resp: 253701
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.8
 88 15.9 0.0 30.4

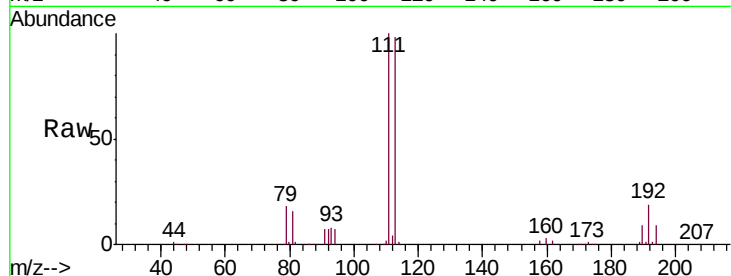




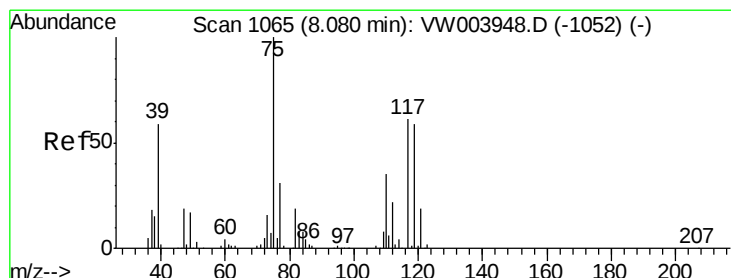
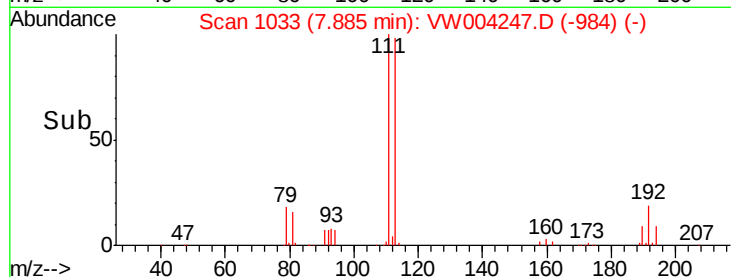
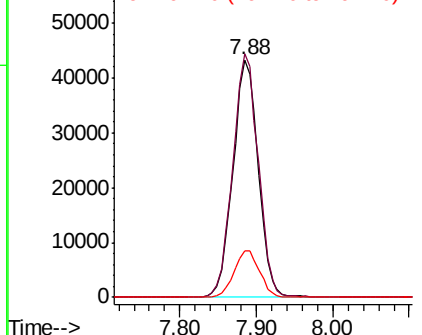
#35
 Dibromofluoromethane
 Concen: 60.767 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004247.D
 Acq: 27 Jul 2018 02:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.3	121.9
192	19.8	15.8	23.6

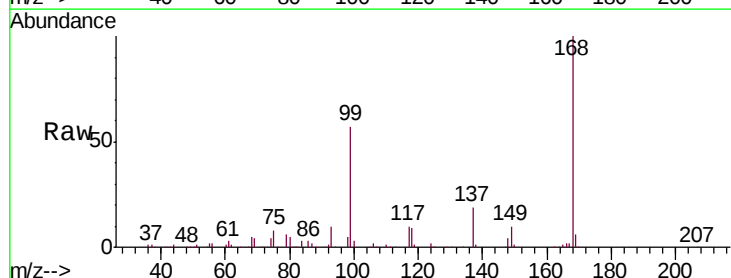


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

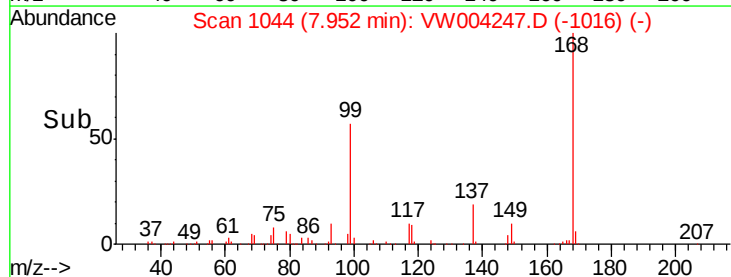
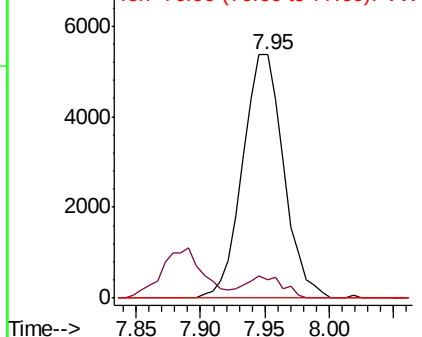


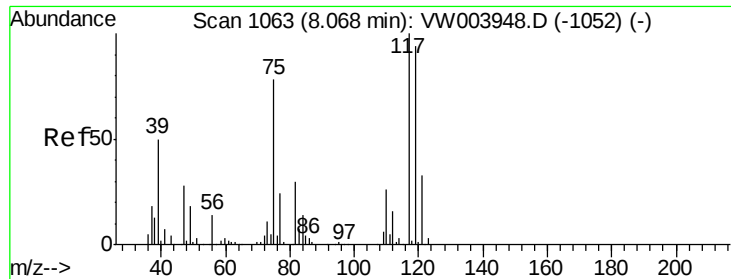
#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004247.D
 Acq: 27 Jul 2018 02:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	51.0#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.206 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004247.D

Acq: 27 Jul 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

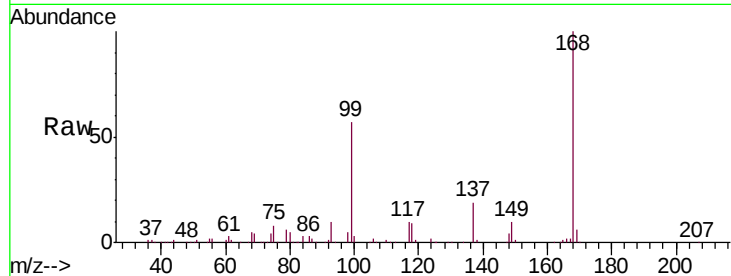
Tot Ion:117 Resp: 15135

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

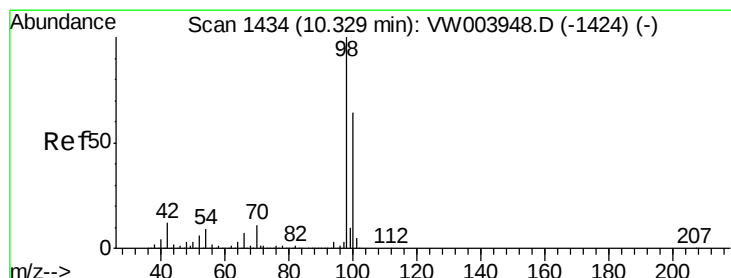
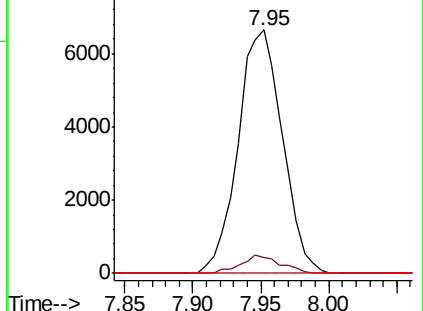
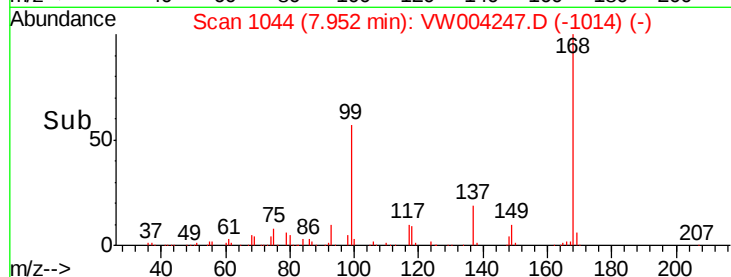
121 0.0 26.0 39.0#



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



#50

Toluene-d8

Concen: 46.917 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004247.D

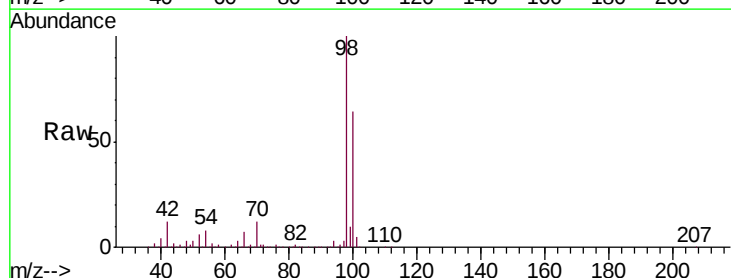
Acq: 27 Jul 2018 02:52

Tgt Ion: 98 Resp: 296340

Ion Ratio Lower Upper

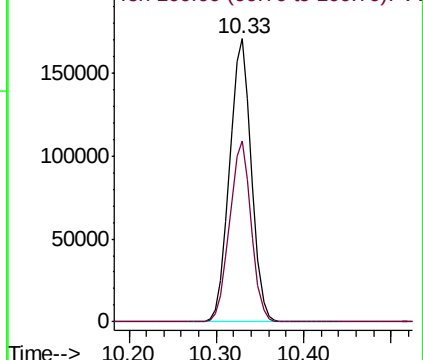
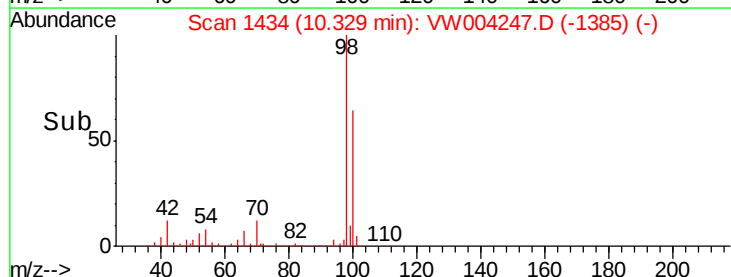
98 100

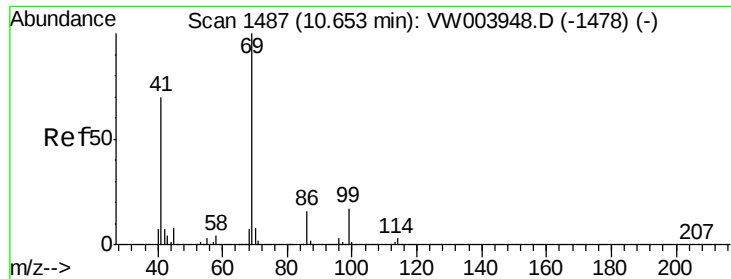
100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

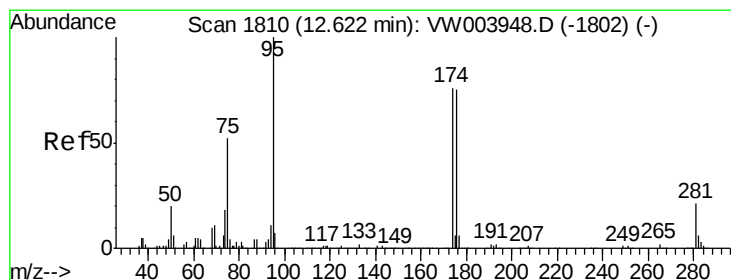
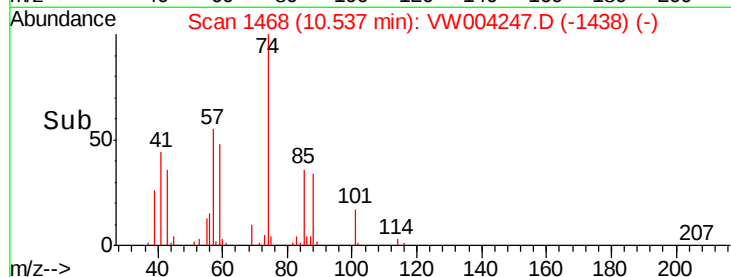
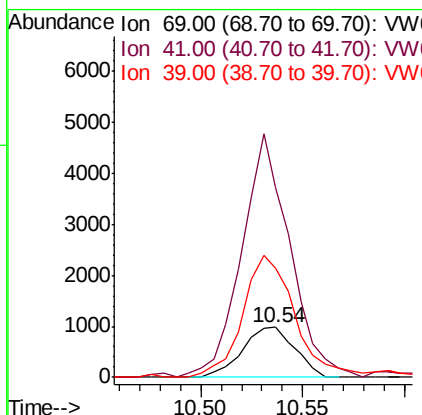
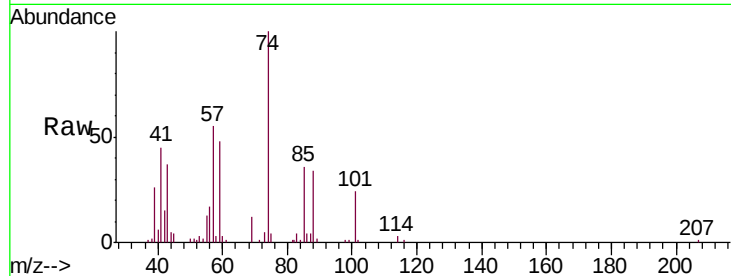




#56
Ethyl methacrylate
Concen: 3.799 ug/l
RT: 10.54 min Scan# 1468
Delta R.T. -0.12 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

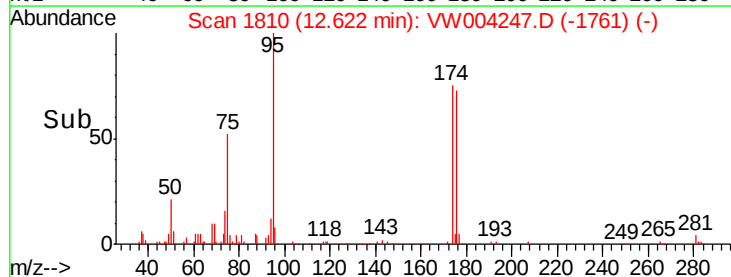
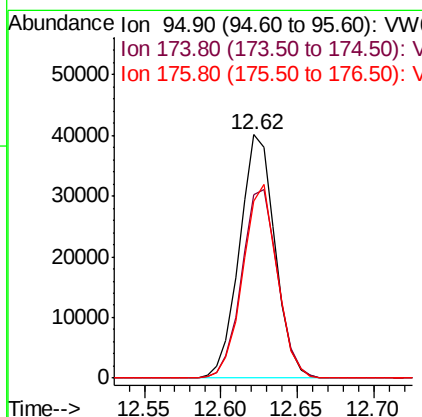
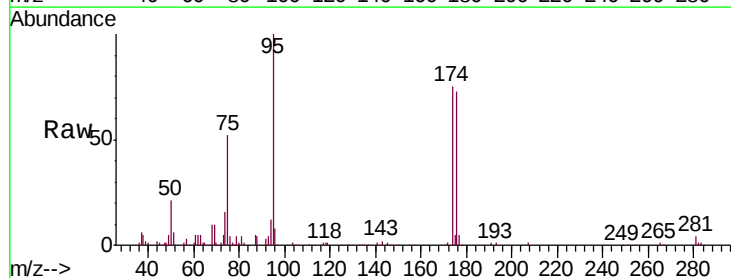
Instrument :
MSVOA_W
ClientSampleId :

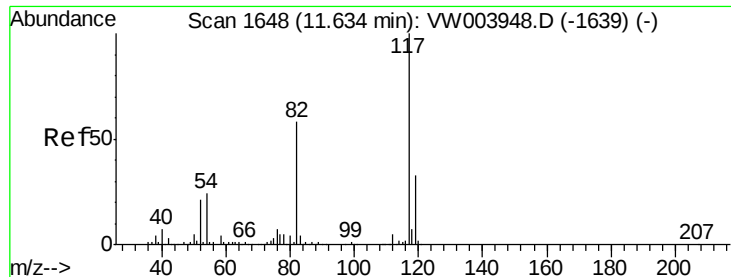
Tot Ion: 69 Resp: 1748
Ion Ratio Lower Upper
69 100
41 451.1 56.5 84.7#
39 242.2 30.2 45.4#



#62
4-Bromofluorobenzene
Concen: 28.364 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

Tgt Ion: 95 Resp: 64603
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.2
176 76.8 0.0 155.8

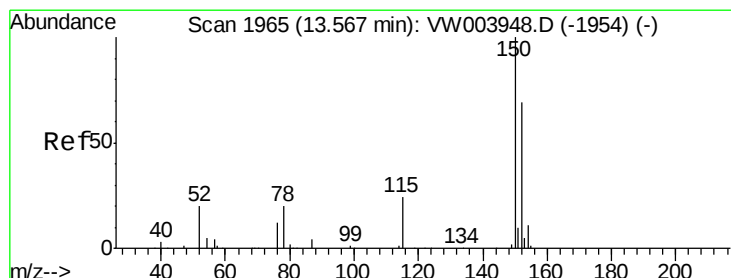
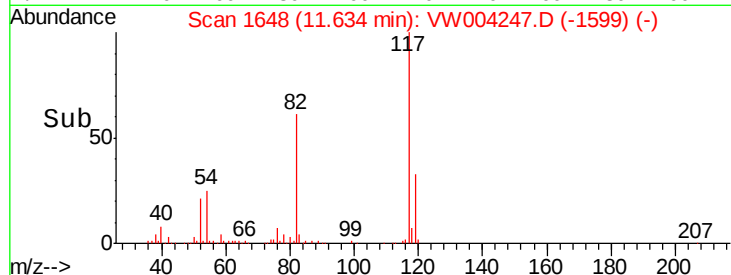
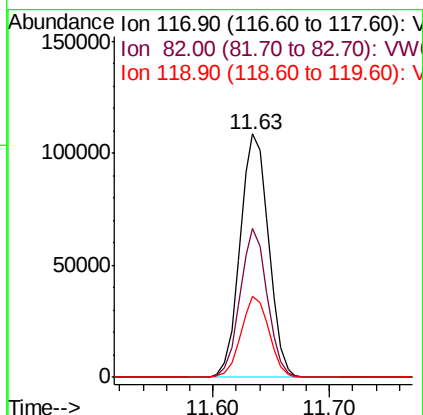
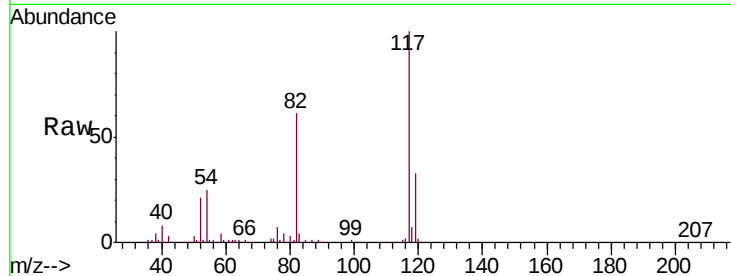




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

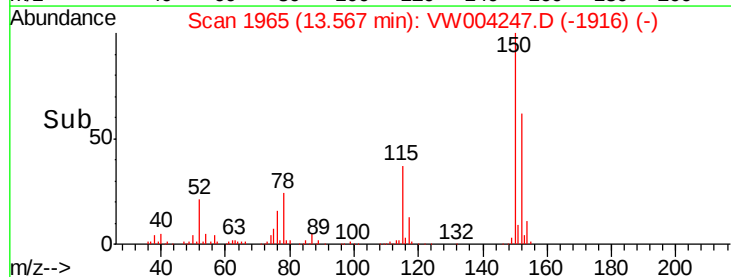
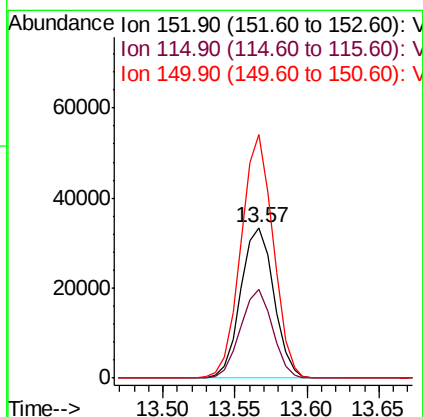
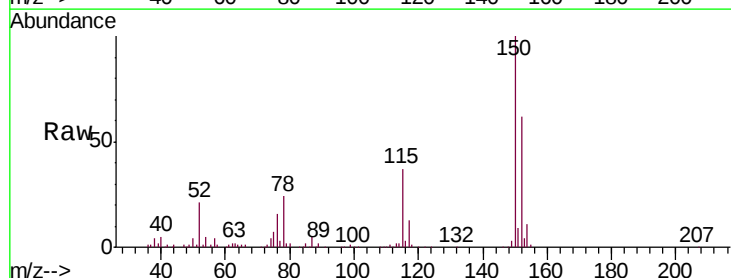
Instrument :
MSVOA_W
ClientSampled :

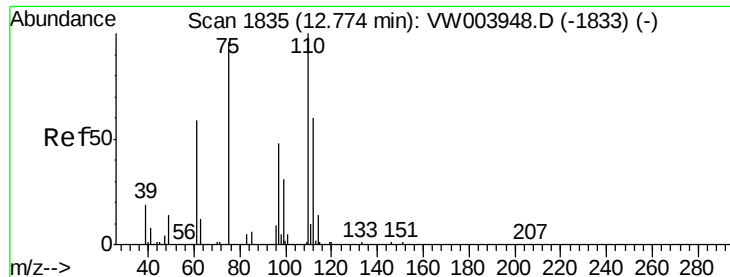
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.5	69.7
119	33.1	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004247.D
Acq: 27 Jul 2018 02:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.2	87.6
150	157.0	0.0	345.2





#76

1,2,3-Trichloropropane

Concen: 62.763 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004247.D

Acq: 27 Jul 2018 02:52

Instrument :

MSVOA_W

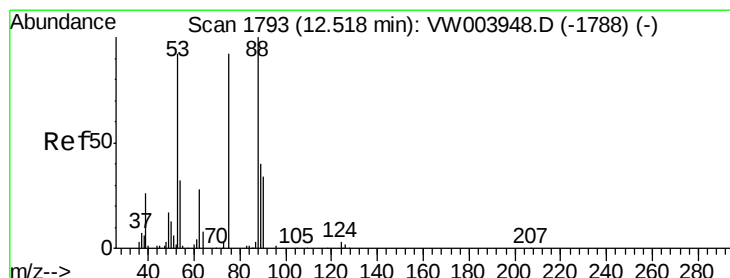
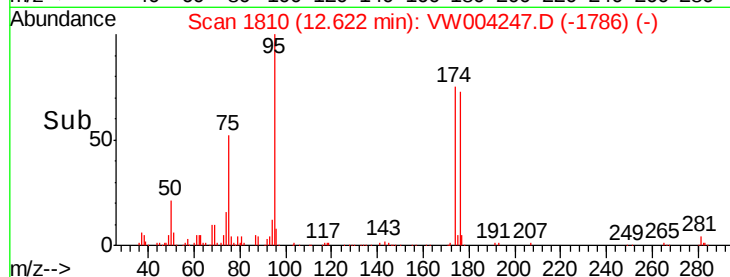
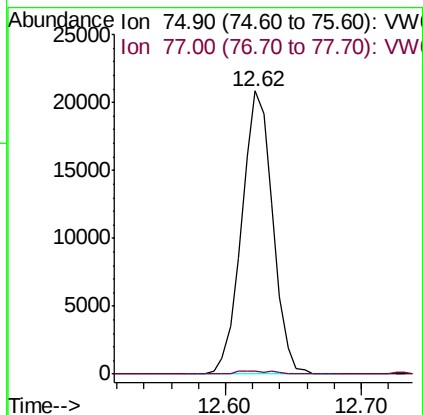
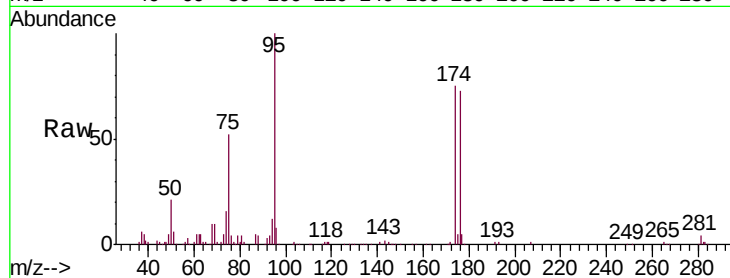
ClientSampleId :

Tot Ion: 75 Resp: 33217

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.830 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004247.D

Acq: 27 Jul 2018 02:52

Tgt Ion: 75 Resp: 33217

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 36.6 54.8#

