

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004340.D
 Acq On : 30 Jul 2018 04:35
 Operator : SY/AP
 Sample : J4189-03
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 06:59:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	154502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	51950	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	56684	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	50162	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.33	98	170133	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	
62) 4-Bromofluorobenzene	12.63	95	48237	35.50	ug/l	0.00
Spiked Amount			Recovery	=	71.00%	

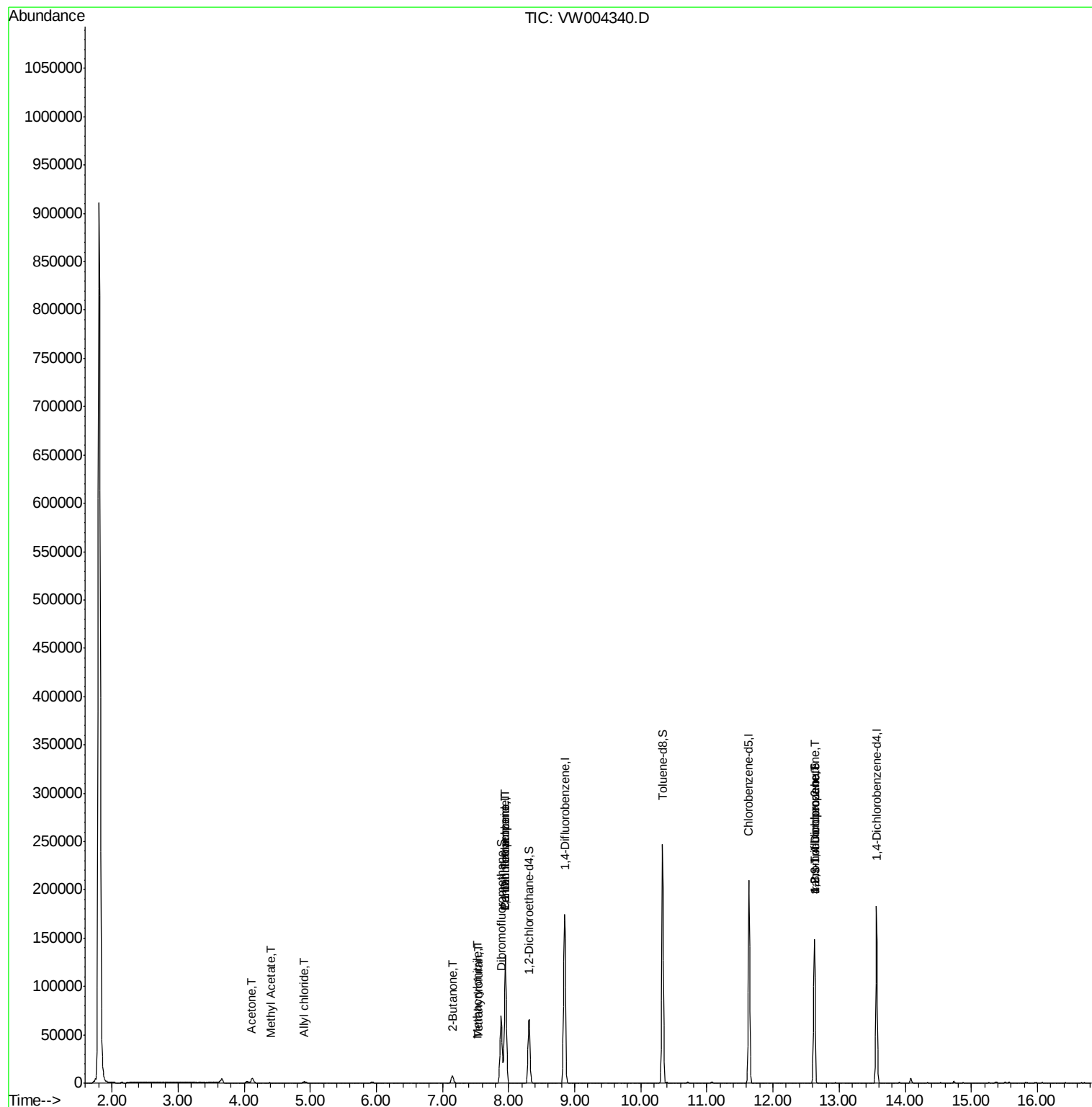
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.80	94	20	Below Cal	#	4
11) Tert butyl alcohol	5.17	59	77	Below Cal	#	72
14) Allyl chloride	4.90	41	20	1.522	ug/l #	25
16) Acetone	4.12	43	9231	46.636	ug/l	100
18) Methyl Acetate	4.42	43	82	1.007	ug/l #	54
20) Methylene Chloride	4.90	84	1269	Below Cal	#	78
25) 2-Butanone	7.15	43	311	1.081	ug/l #	50
29) Tetrahydrofuran	7.53	42	61	2.964	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	6720	4.348	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9525	6.241	ug/l #	15
41) Methacrylonitrile	7.53	41	19	2.141	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	23620	49.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	23620	115.921	ug/l #	11

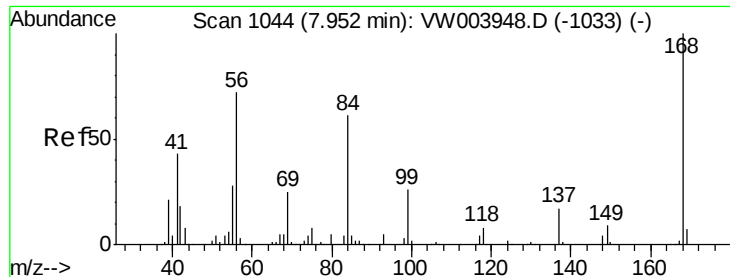
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 30 02:37:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

Instrument :

MSVOA_W

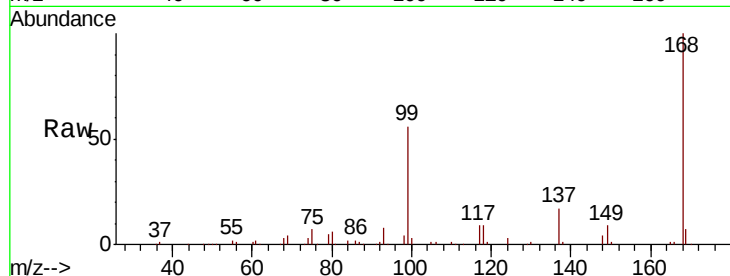
ClientSampled :

Tot Ion:168 Resp: 102683

Ion Ratio Lower Upper

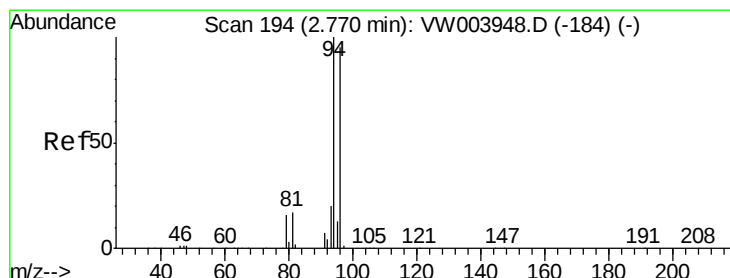
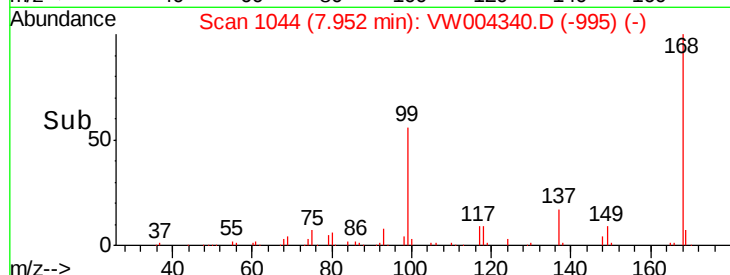
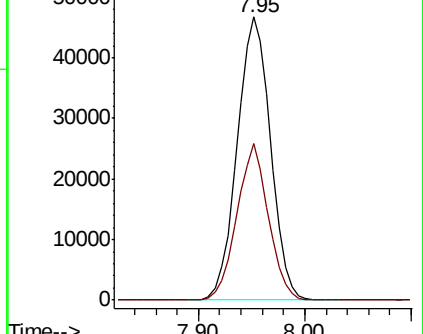
168 100

99 55.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 199

Delta R.T. 0.02 min

Lab File: VW004340.D

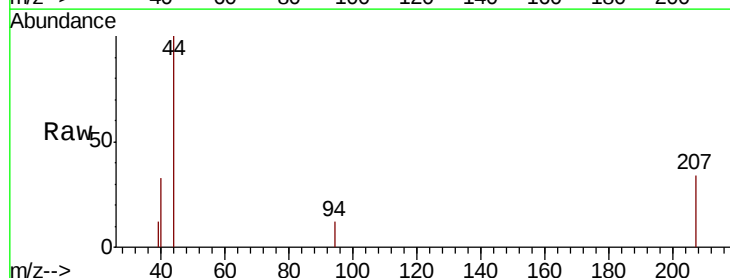
Acq: 30 Jul 2018 04:35

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

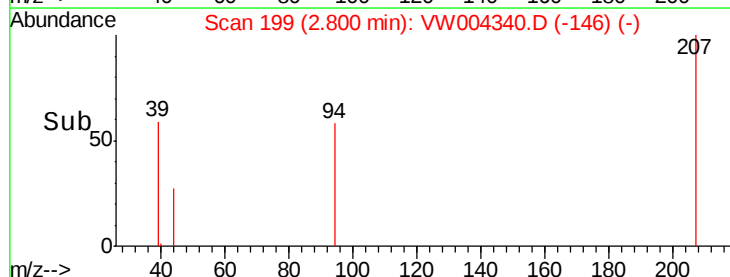
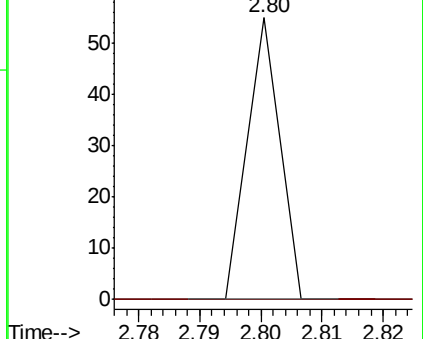
94 100

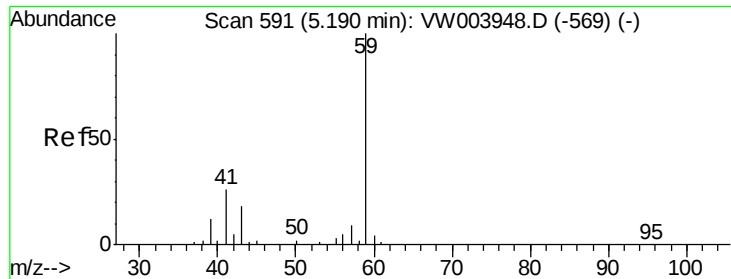
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

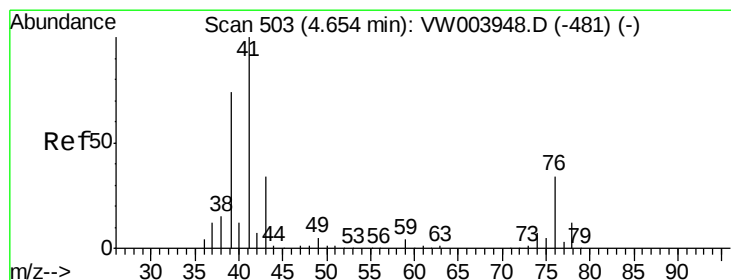
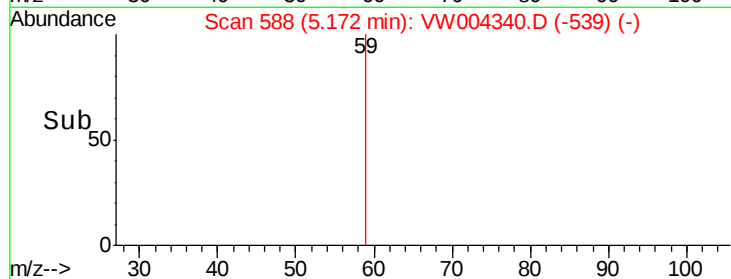
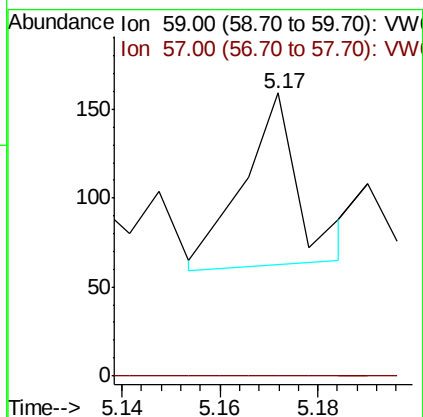
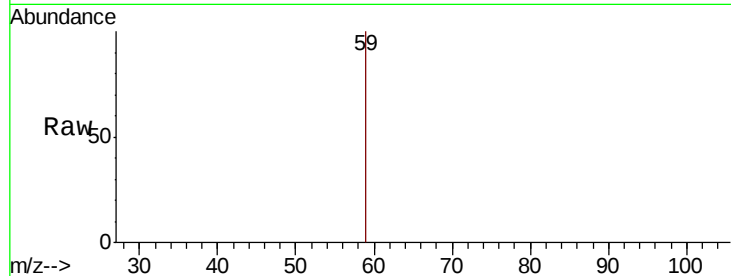




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 588
Delta R.T. 0.00 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

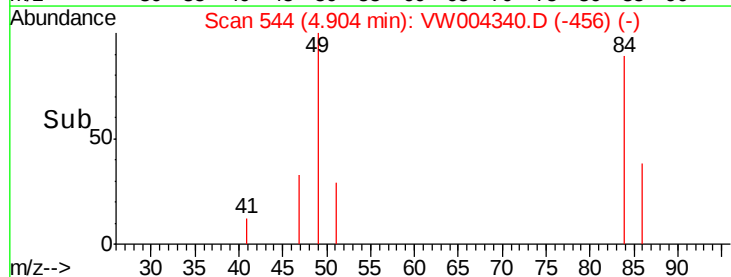
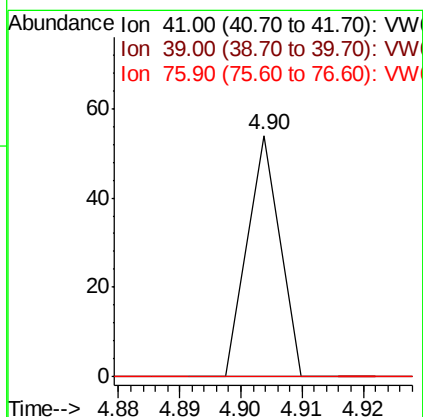
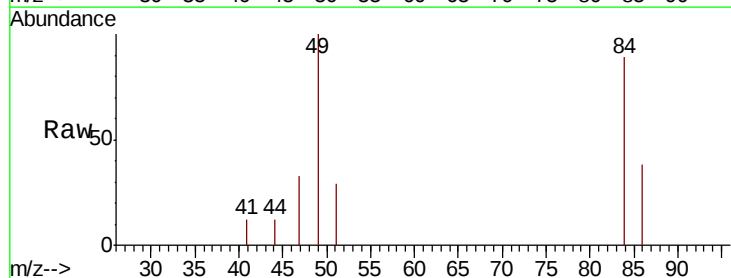
Instrument :
MSVOA_W
ClientSampled :

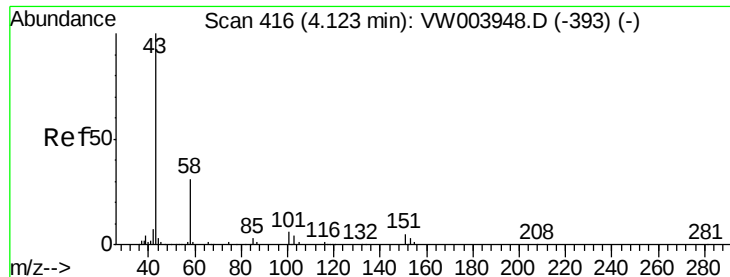
Tot Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#14
Allyl chloride
Concen: 1.522 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.24 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
39 0.0 52.3 78.5#
76 0.0 27.3 40.9#





#16

Acetone

Concen: 46.636 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

Instrument :

MSVOA_W

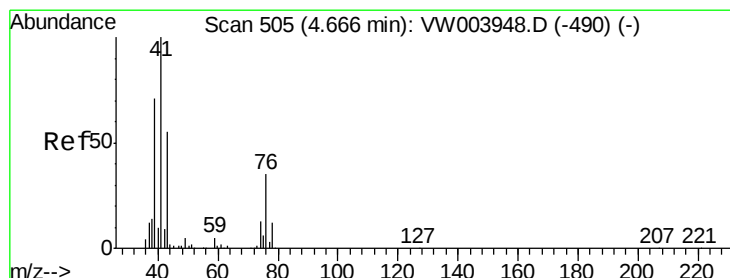
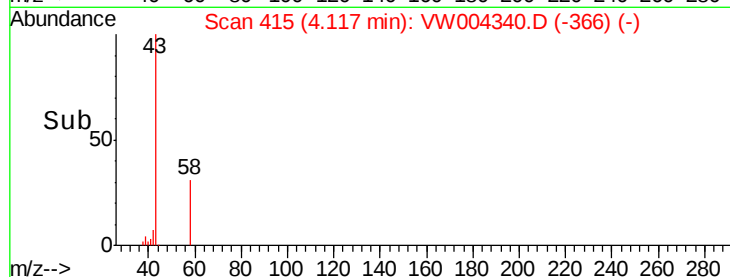
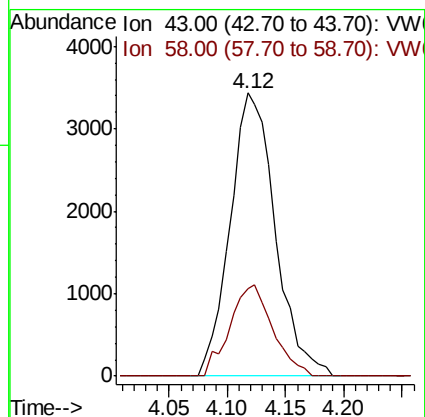
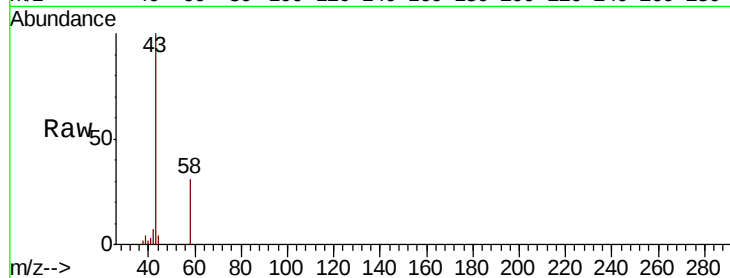
ClientSampleId :

Tot Ion: 43 Resp: 9231

Ion Ratio Lower Upper

43 100

58 31.0 24.8 37.2



#18

Methyl Acetate

Concen: 1.007 ug/l

RT: 4.42 min Scan# 464

Delta R.T. -0.26 min

Lab File: VW004340.D

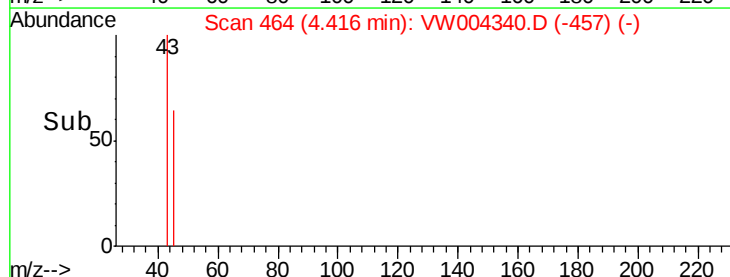
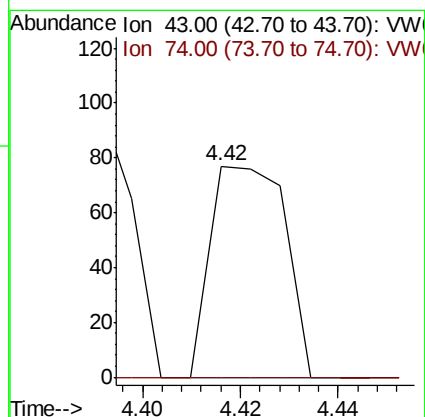
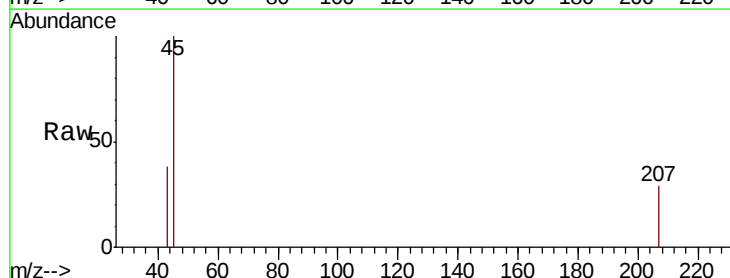
Acq: 30 Jul 2018 04:35

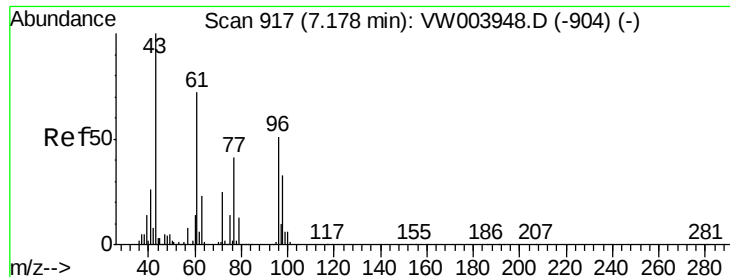
Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#





#25

2-Butanone

Concen: 1.081 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

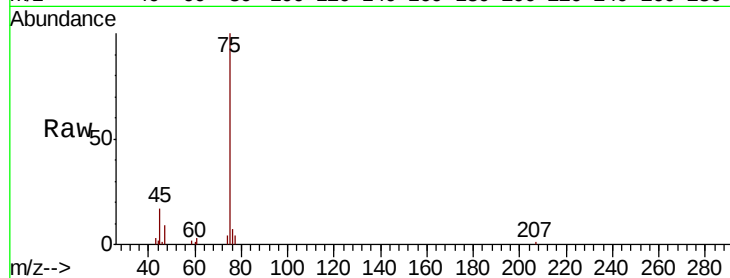
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 311

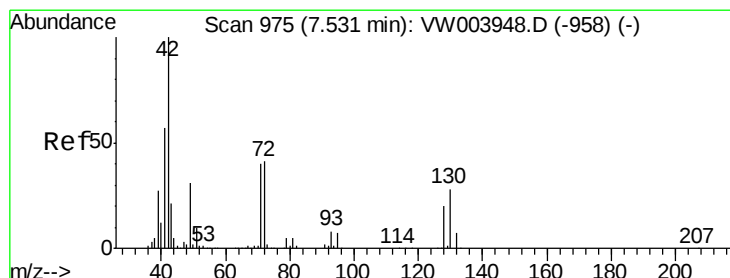
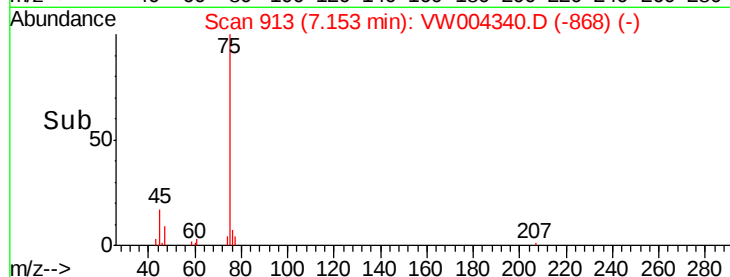
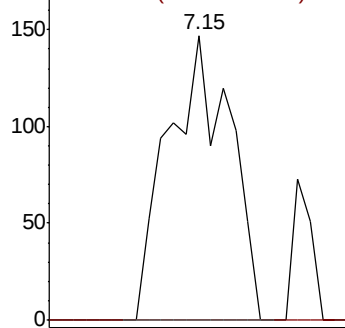
Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



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



#29

Tetrahydrofuran

Concen: 2.964 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

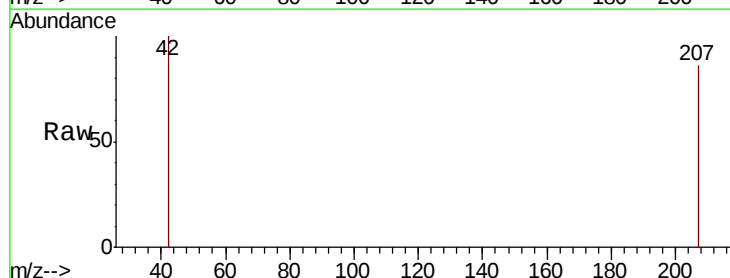
Tgt Ion: 42 Resp: 61

Ion Ratio Lower Upper

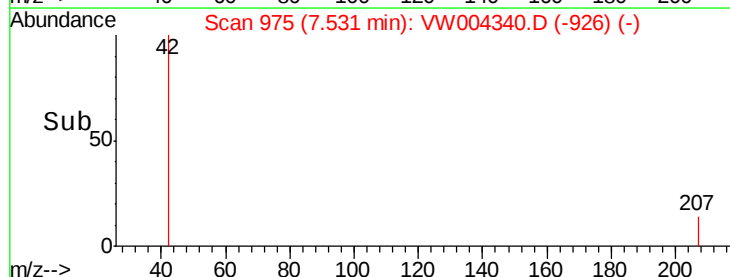
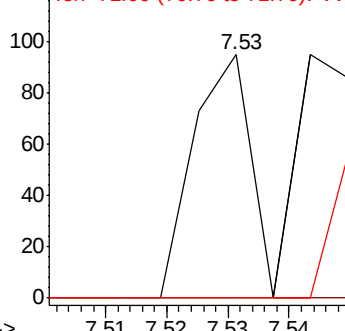
42 100

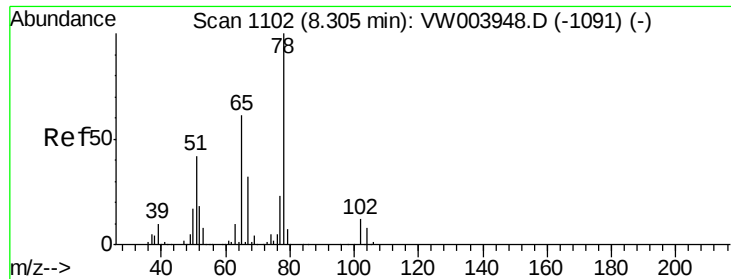
72 0.0 32.6 48.8#

71 0.0 31.3 46.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

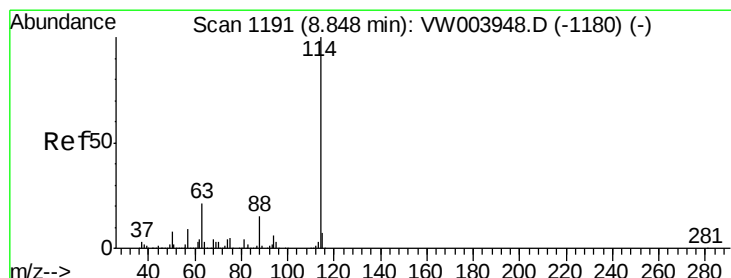
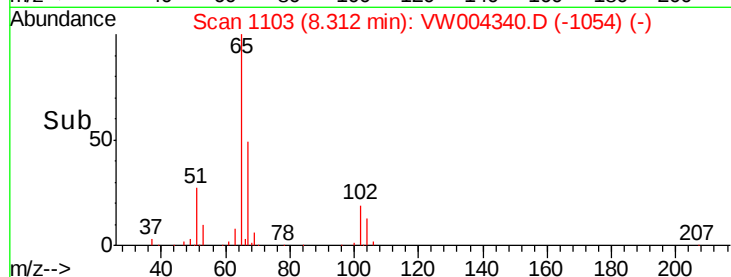
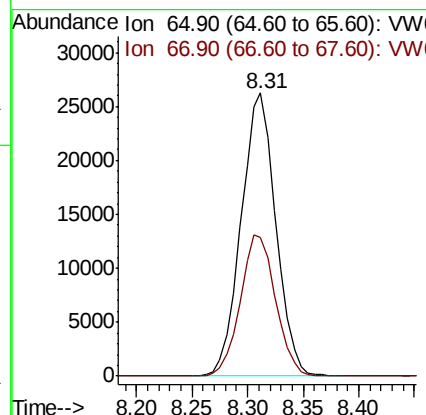
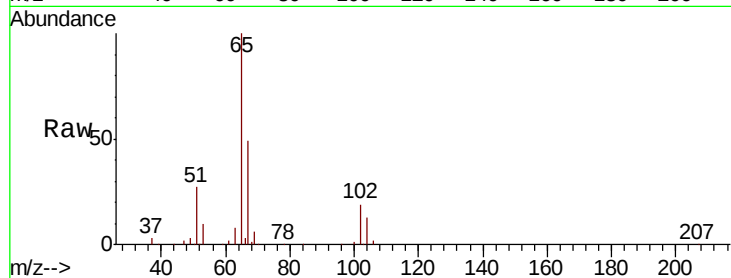




#33
 1,2-Dichloroethane-d4
 Concen: 54.725 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004340.D
 Acq: 30 Jul 2018 04:35

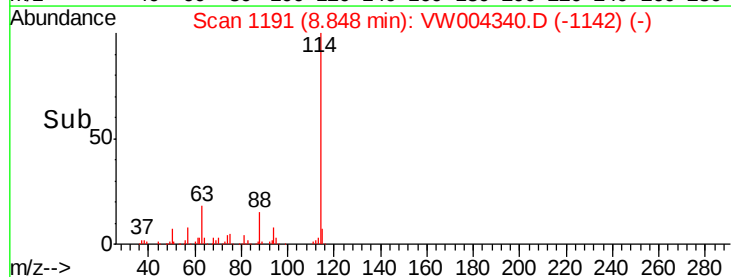
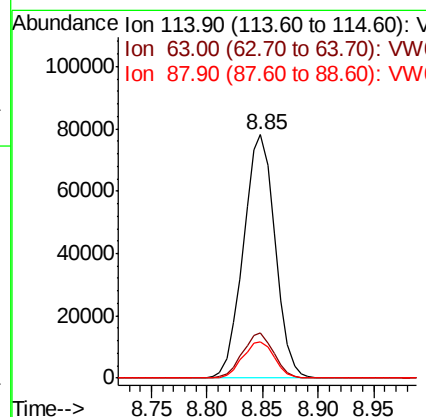
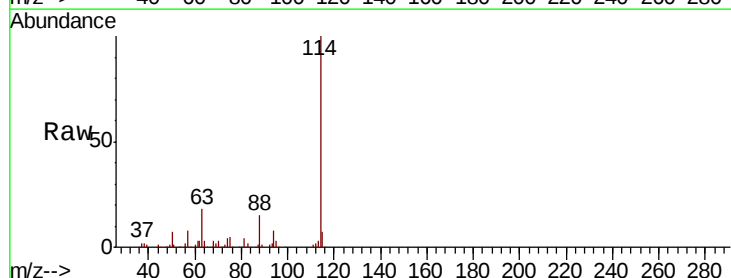
Instrument :
 MSVOA_W
 ClientSampled :

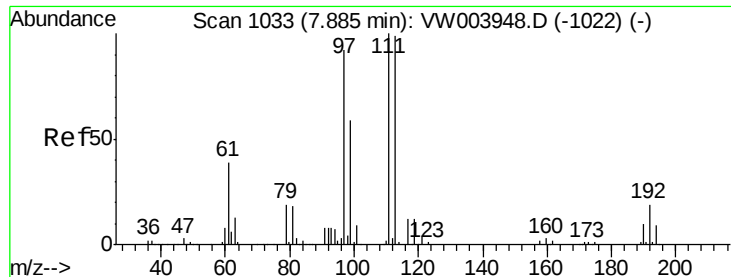
Tot Ion: 65 Resp: 56684
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004340.D
 Acq: 30 Jul 2018 04:35

Tgt Ion: 114 Resp: 154502
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.4
 88 14.9 0.0 30.6

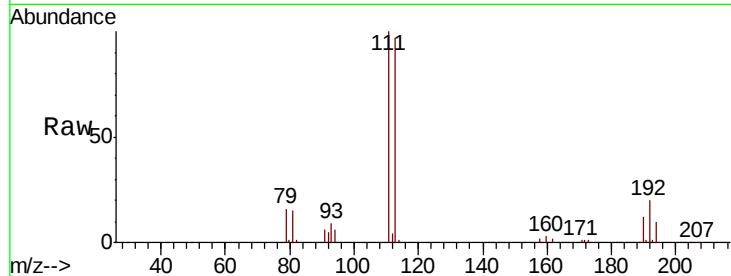




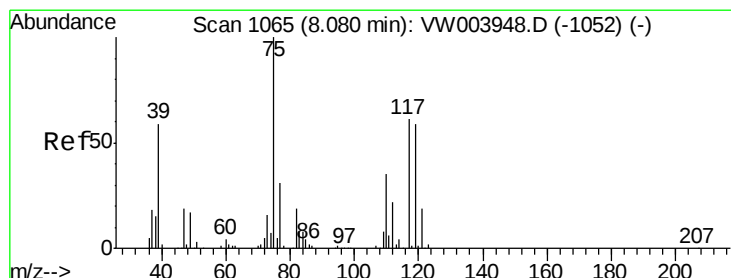
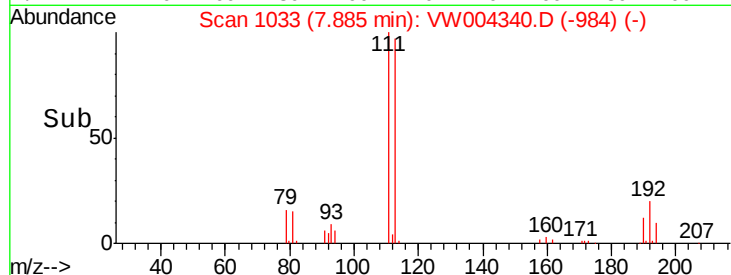
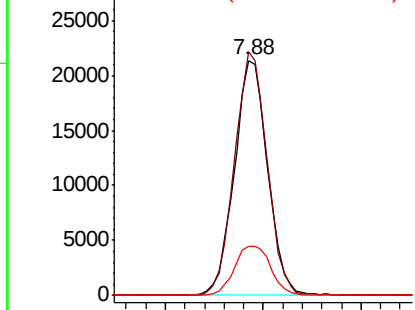
#35
Dibromofluoromethane
Concen: 51.375 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 50162
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 22.9 16.2 24.4

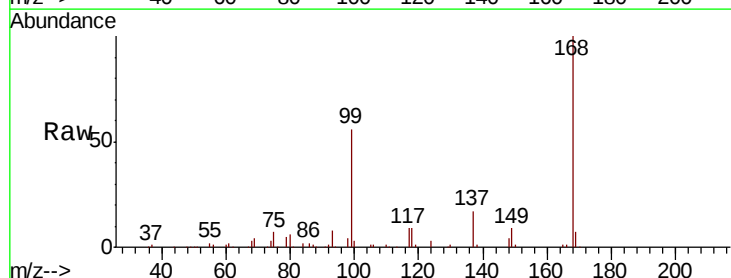


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

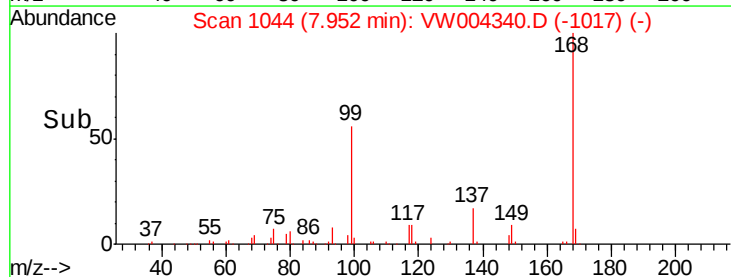
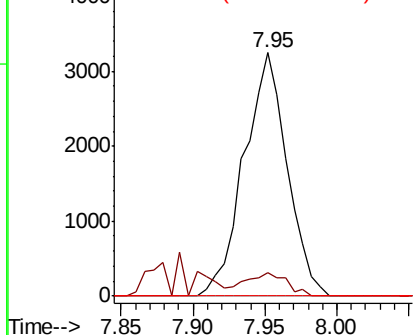


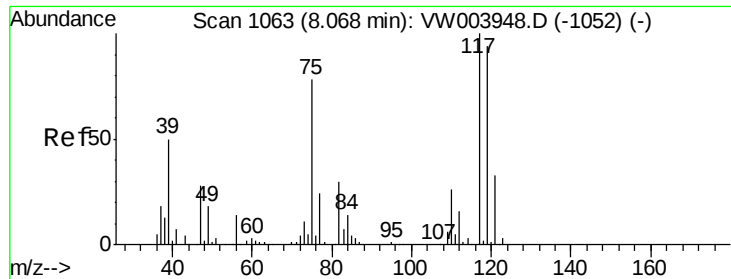
#36
1,1-Dichloropropene
Concen: 4.348 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

Tgt Ion: 75 Resp: 6720
Ion Ratio Lower Upper
75 100
110 9.6 17.3 52.0#
77 0.0 25.0 37.6#



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: 6.241 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

Instrument :

MSVOA_W

ClientSampled :

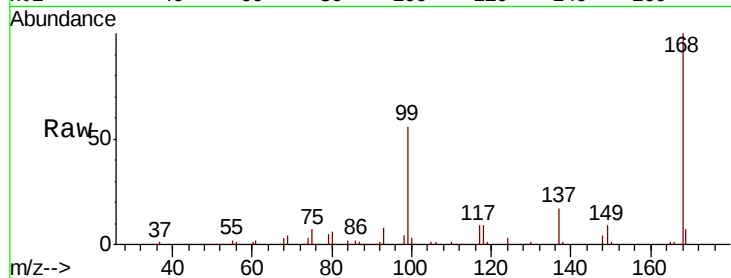
Tot Ion:117 Resp: 9525

Ion Ratio Lower Upper

117 100

119 6.4 79.7 119.5#

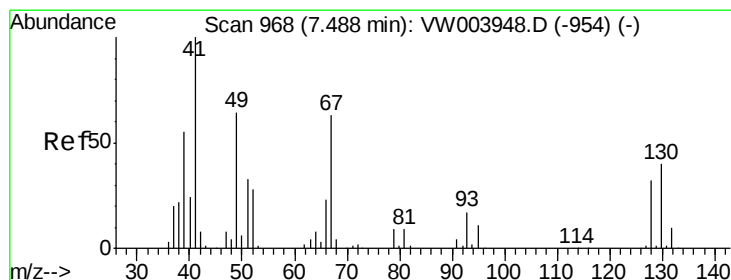
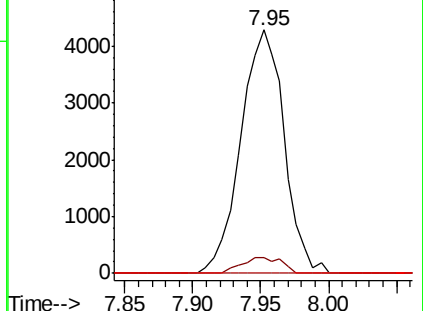
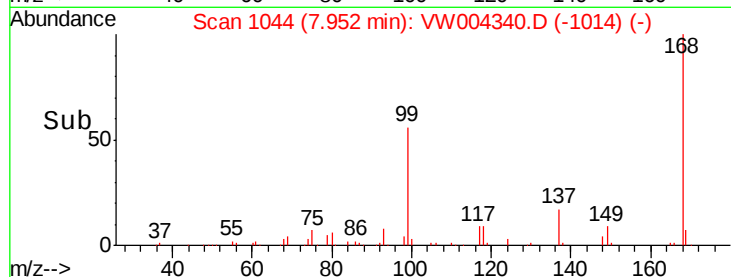
121 0.0 25.7 38.5#



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



#41

Methacrylonitrile

Concen: 2.141 ug/l

RT: 7.53 min Scan# 974

Delta R.T. 0.04 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

Tgt Ion: 41 Resp: 19

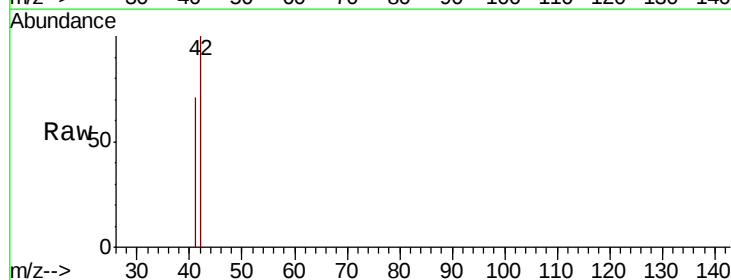
Ion Ratio Lower Upper

41 100

39 0.0 41.2 61.8#

67 0.0 53.4 80.0#

52 0.0 22.4 33.6#

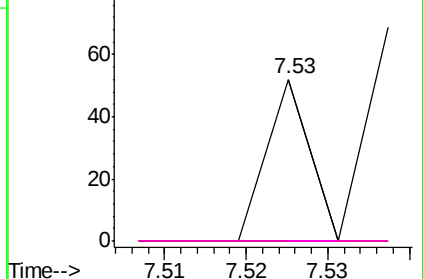
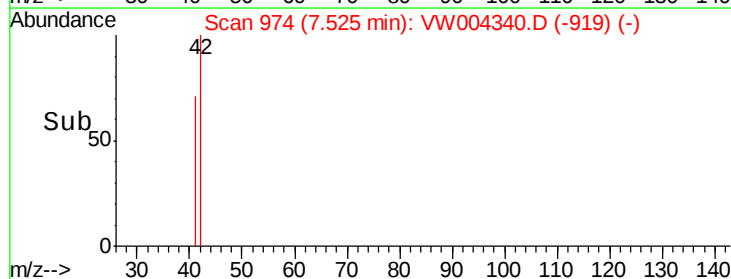


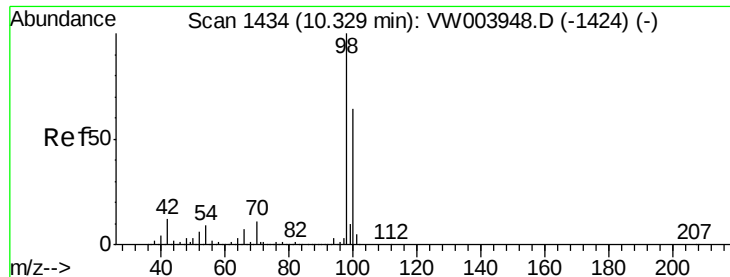
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 44.090 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

Instrument :

MSVOA_W

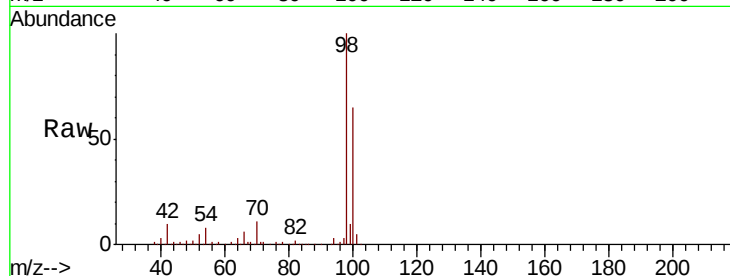
ClientSampled :

Tot Ion: 98 Resp: 170133

Ion Ratio Lower Upper

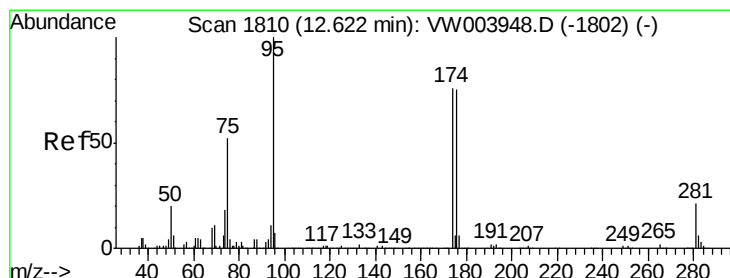
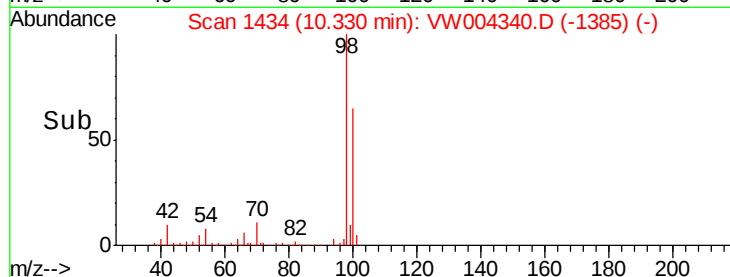
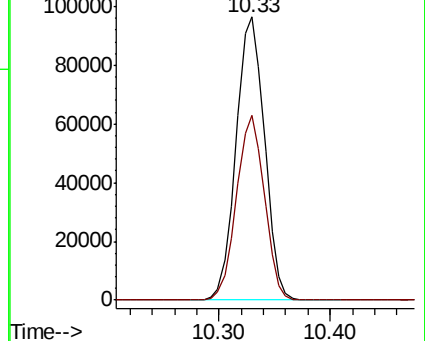
98 100

100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 35.503 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004340.D

Acq: 30 Jul 2018 04:35

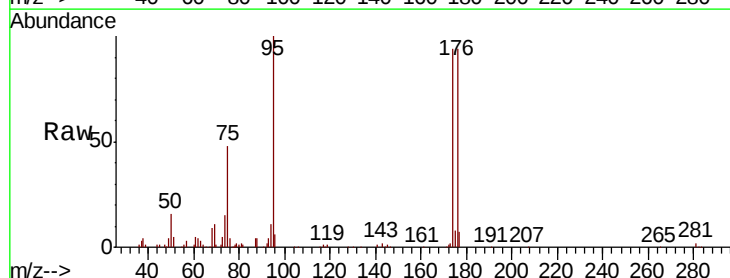
Tgt Ion: 95 Resp: 48237

Ion Ratio Lower Upper

95 100

174 93.1 0.0 167.8

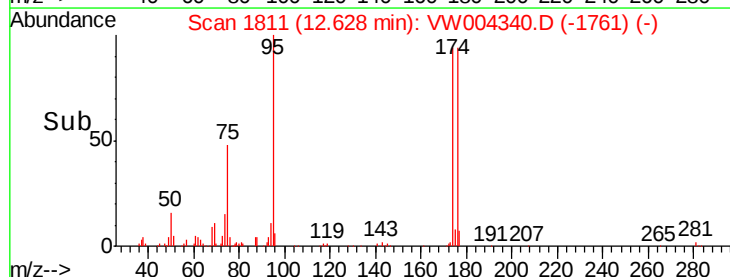
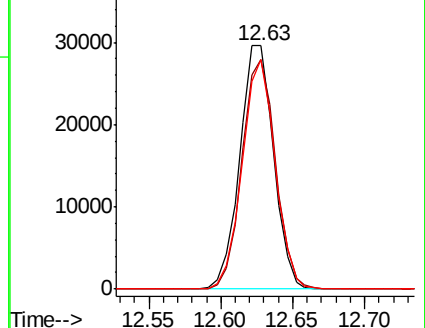
176 91.3 0.0 162.4

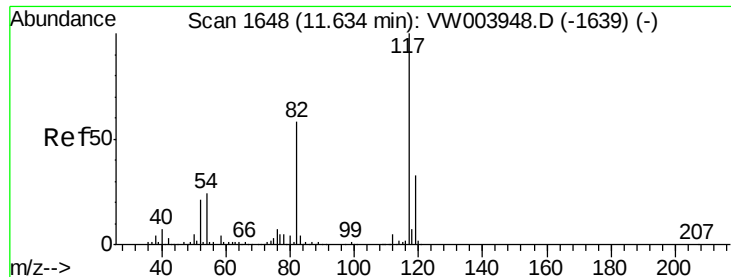


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

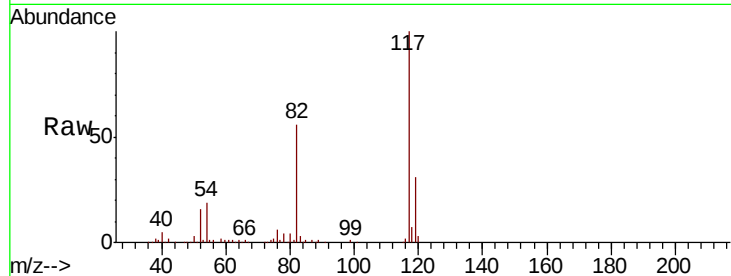




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	47.9	71.9
119	31.3	27.1	40.7

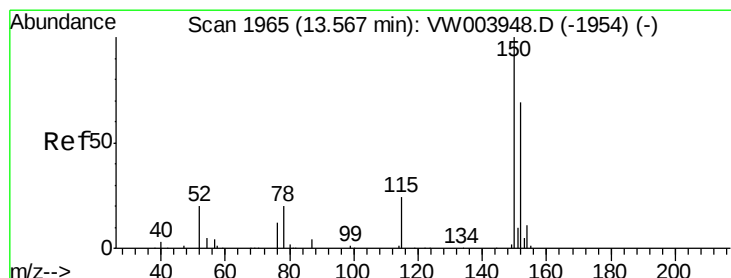
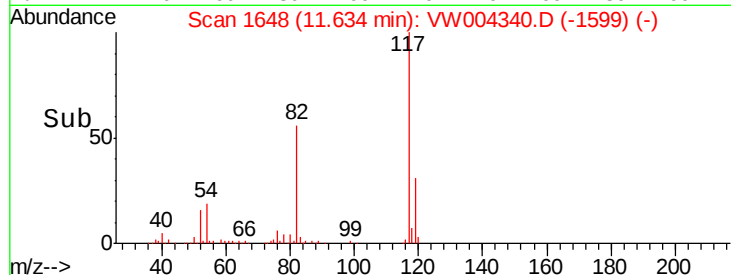
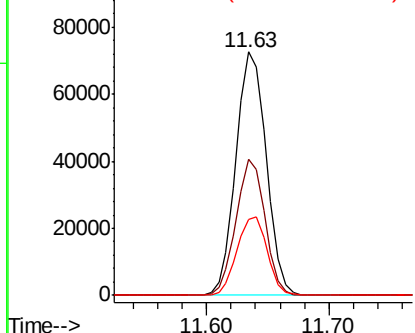


Abundance

Ion 116.90 (116.60 to 117.60): V

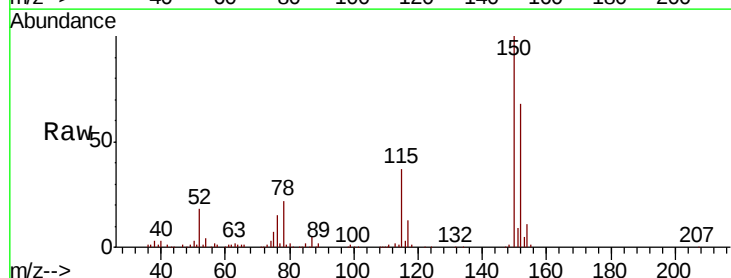
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004340.D
Acq: 30 Jul 2018 04:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.8	86.4
150	154.6	0.0	346.4

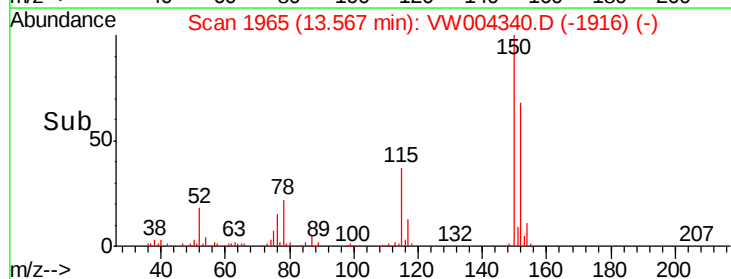
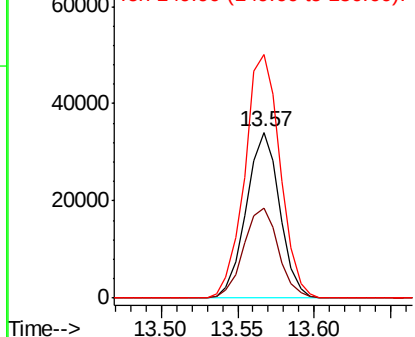


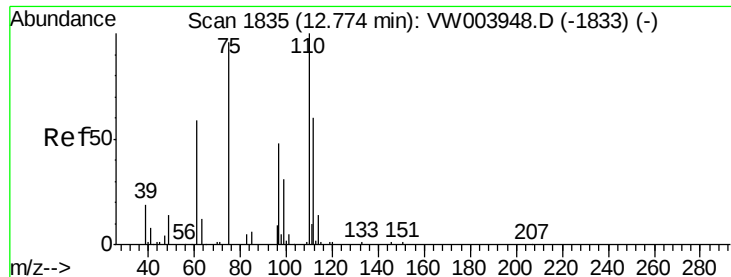
Abundance

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

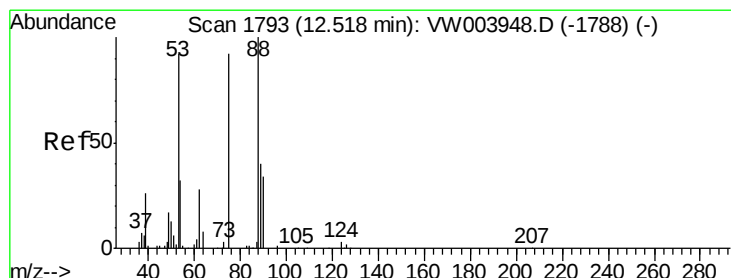
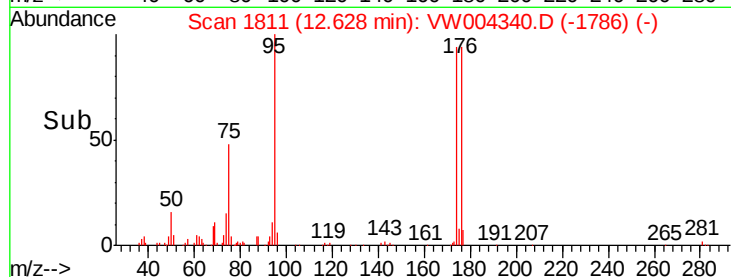
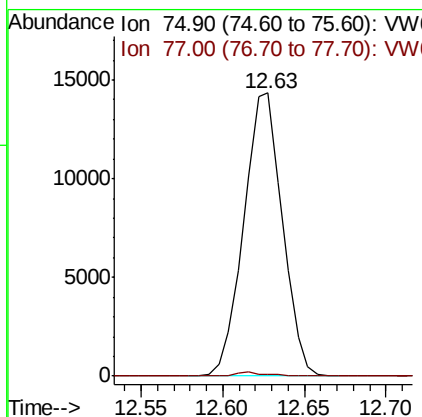
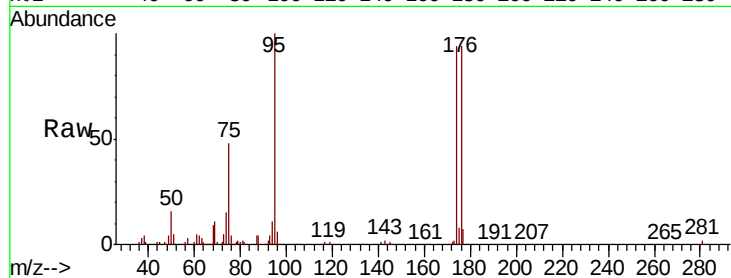




#76
 1,2,3-Trichloropropane
 Concen: 49.818 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW004340.D
 Acq: 30 Jul 2018 04:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 23620
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.921 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW004340.D
 Acq: 30 Jul 2018 04:35

Tgt Ion: 75 Resp: 23620
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 36.0 54.0#

