

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004337.D
 Acq On : 30 Jul 2018 03:17
 Operator : SY/AP
 Sample : J4152-05RE
 Misc : 6.53G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 06:59:17 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	128204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	214199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75787	58.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.20%	
35) Dibromofluoromethane	7.89	113	67262	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.33	98	217774	40.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.42%	
62) 4-Bromofluorobenzene	12.62	95	81165	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

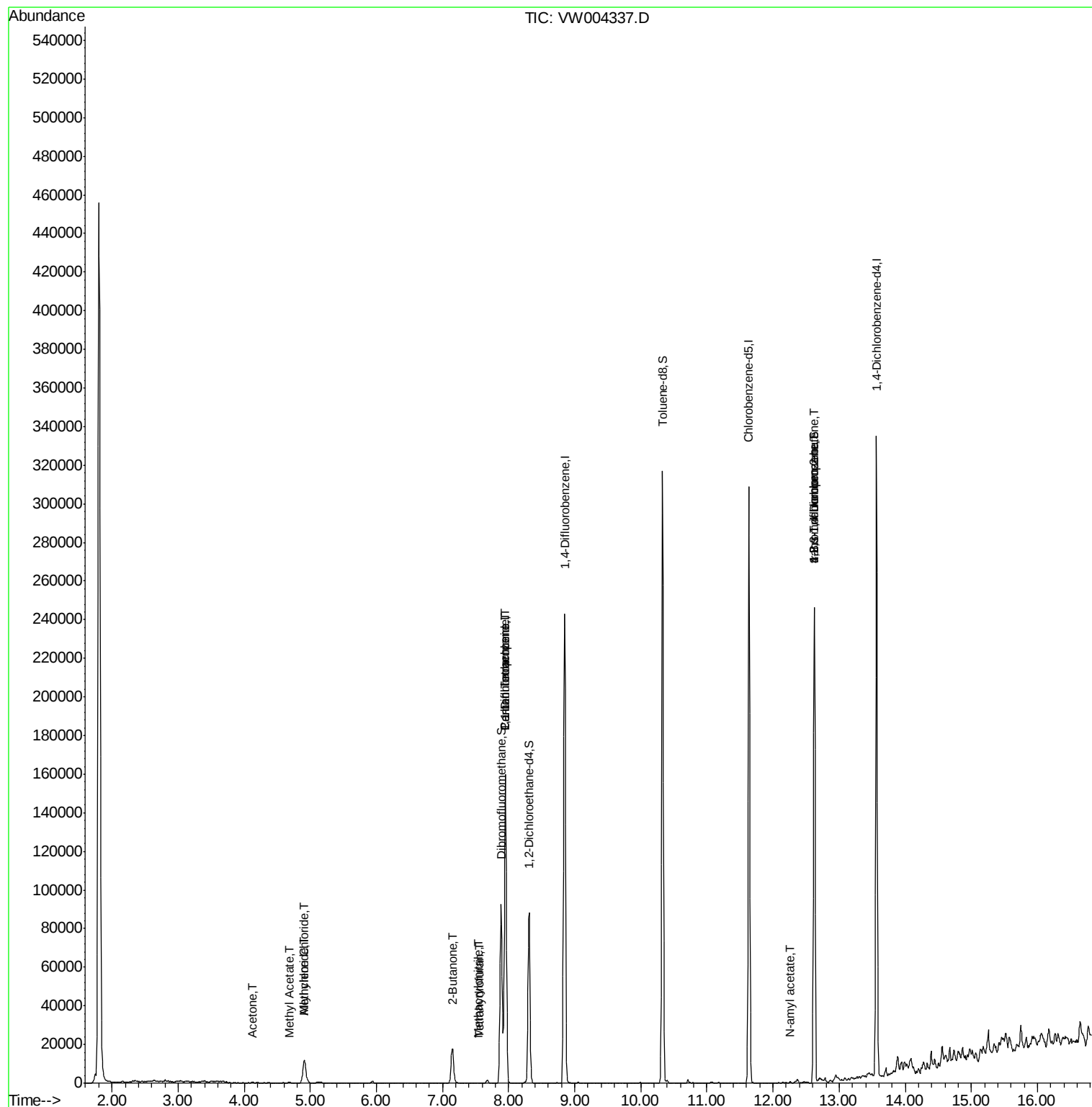
						Qvalue
3) Chloromethane	2.31	50	30	Below Cal	#	44
8) Diethyl Ether	3.67	74	146	Below Cal	#	29
11) Tert butyl alcohol	5.17	59	244	Below Cal	#	72
14) Allyl chloride	4.91	41	275	1.639	ug/l #	25
16) Acetone	4.13	43	756	15.765	ug/l	96
18) Methyl Acetate	4.67	43	594	1.679	ug/l #	72
20) Methylene Chloride	4.91	84	11019	7.586	ug/l #	78
25) 2-Butanone	7.15	43	788	2.194	ug/l #	50
29) Tetrahydrofuran	7.56	42	48	2.852	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	8072	3.767	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12022	5.682	ug/l #	15
41) Methacrylonitrile	7.54	41	44	2.170	ug/l #	26
74) N-amyl acetate	12.26	43	125	1.950	ug/l #	50
76) 1,2,3-Trichloropropane	12.63	75	39262	45.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39262	104.823	ug/l #	11

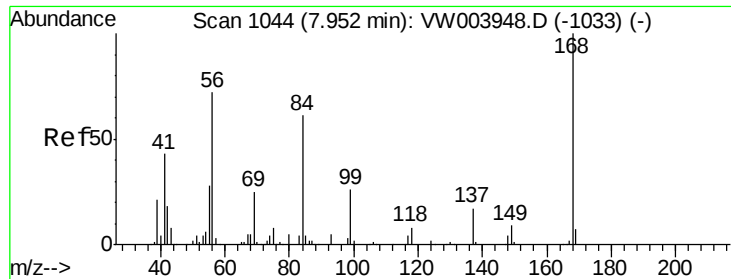
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004337.D

Acq: 30 Jul 2018 03:17

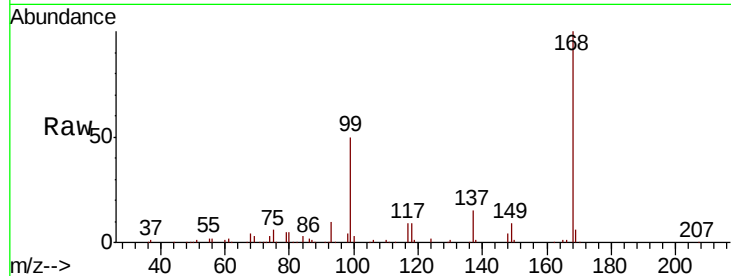
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 128204

Ion Ratio Lower Upper

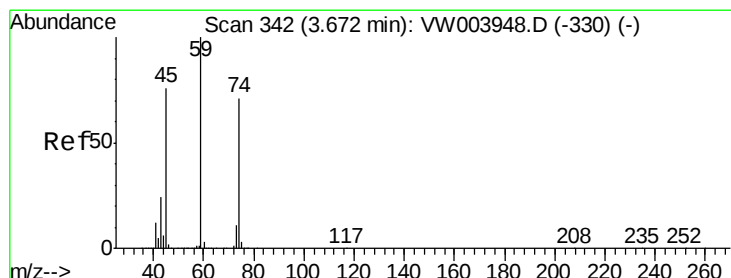
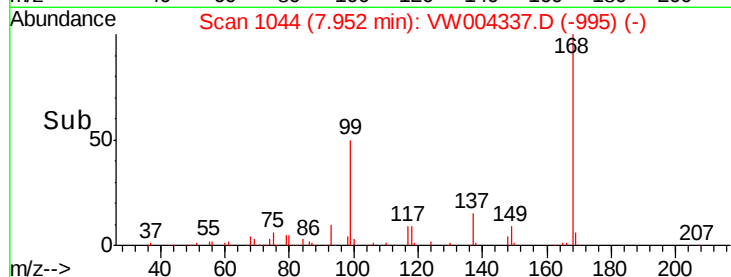
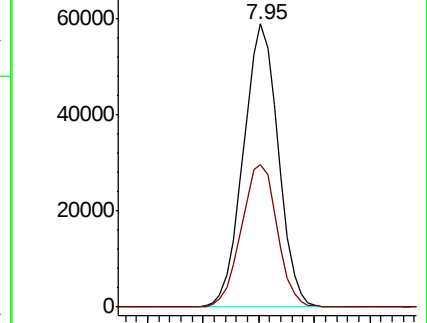
168 100

99 50.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: Below Cal

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004337.D

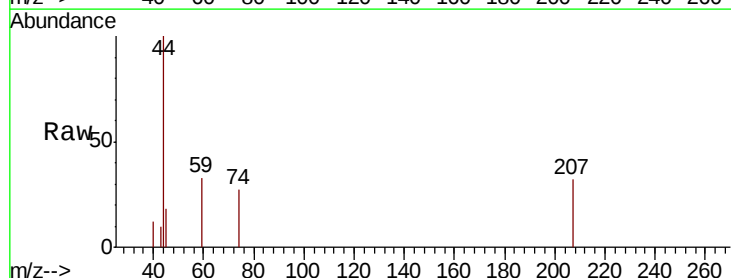
Acq: 30 Jul 2018 03:17

Tgt Ion: 74 Resp: 146

Ion Ratio Lower Upper

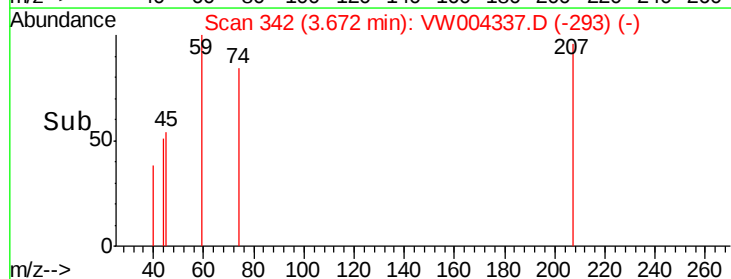
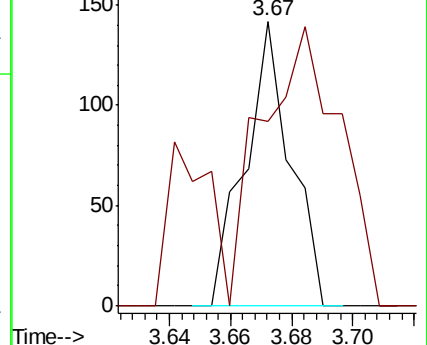
74 100

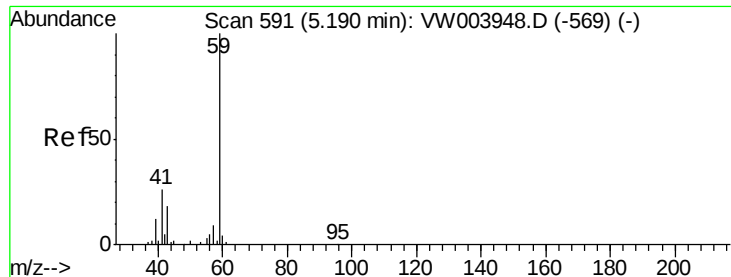
45 169.2 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



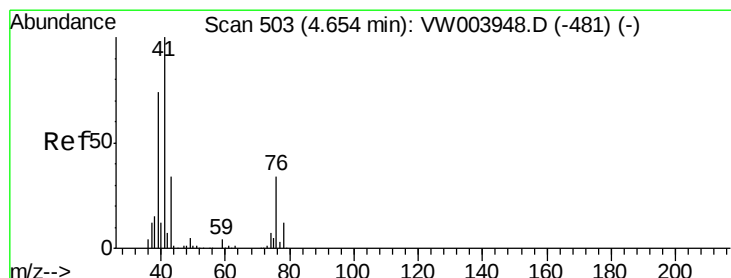
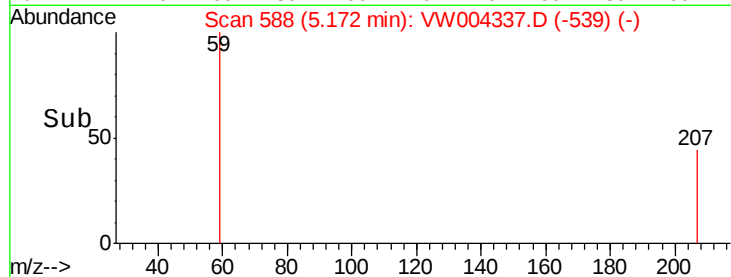
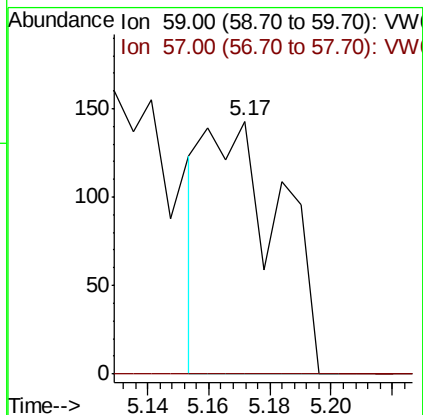
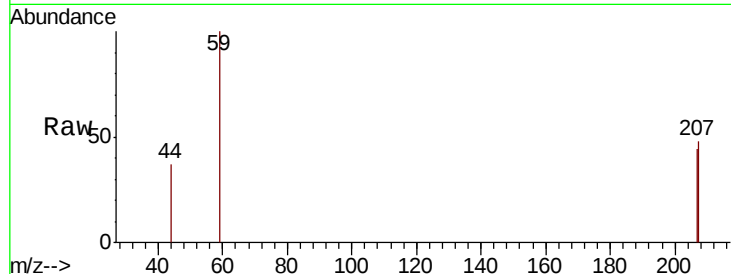


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

Instrument :
 MSVOA_W
 ClientSampled :

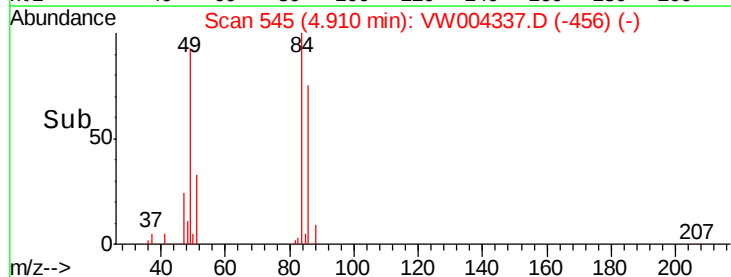
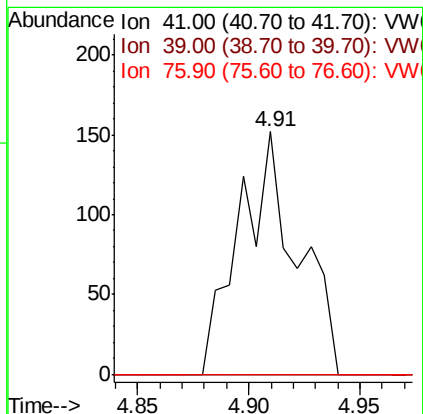
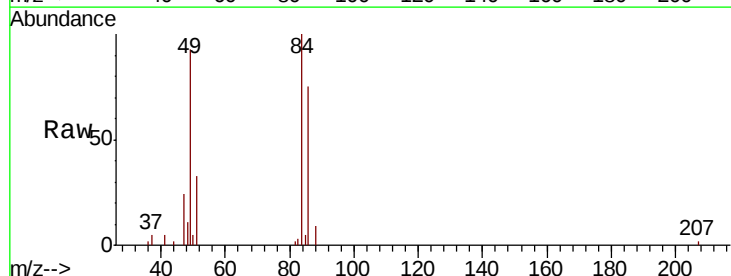
Tot Ion: 59 Resp: 244
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

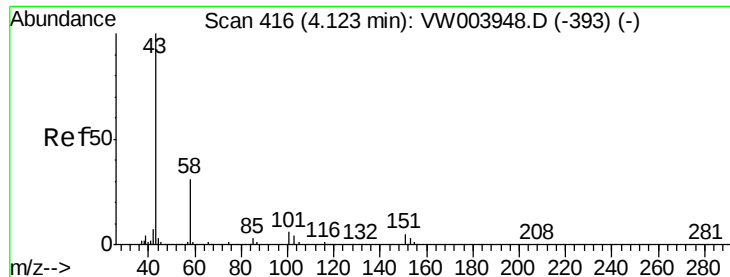


#14

Allyl chloride
 Concen: 1.639 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.24 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

Tgt Ion: 41 Resp: 275
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.3 78.5#
 76 0.0 27.3 40.9#





#16

Acetone

Concen: 15.765 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004337.D

Acq: 30 Jul 2018 03:17

Instrument :

MSVOA_W

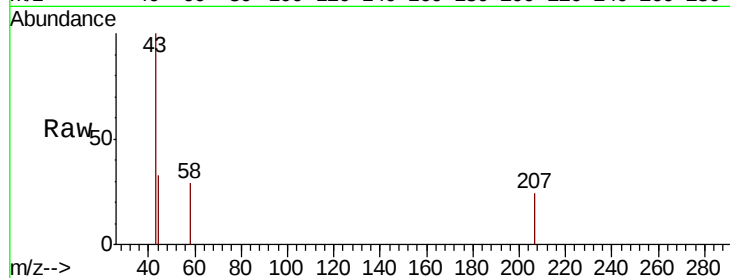
ClientSampled :

Tot Ion: 43 Resp: 756

Ion Ratio Lower Upper

43 100

58 29.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

300

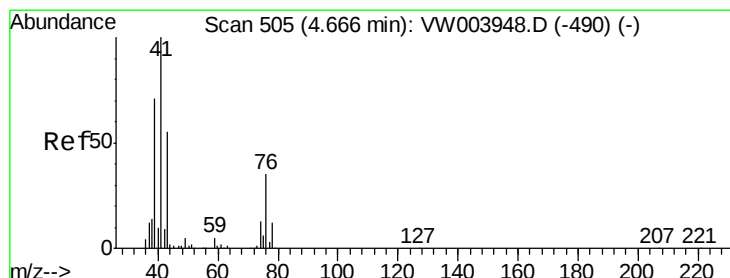
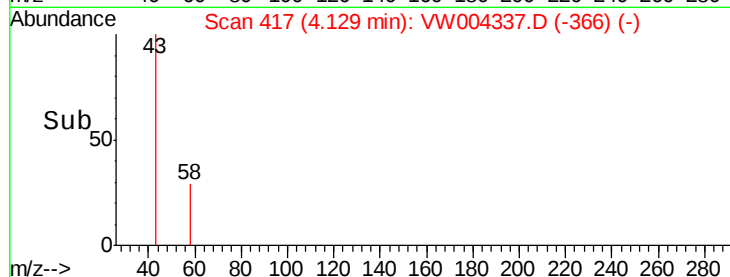
200

100

0

4.05 4.10 4.15 4.20

Time-->



#18

Methyl Acetate

Concen: 1.679 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004337.D

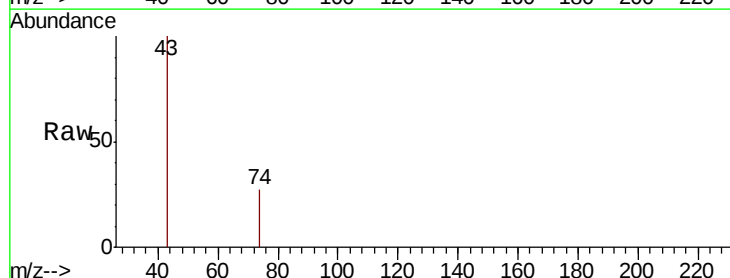
Acq: 30 Jul 2018 03:17

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

74 8.8 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

250

200

150

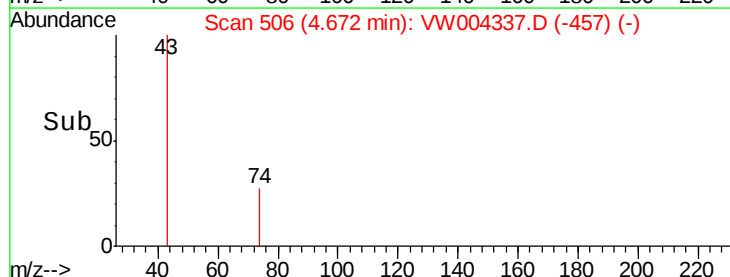
100

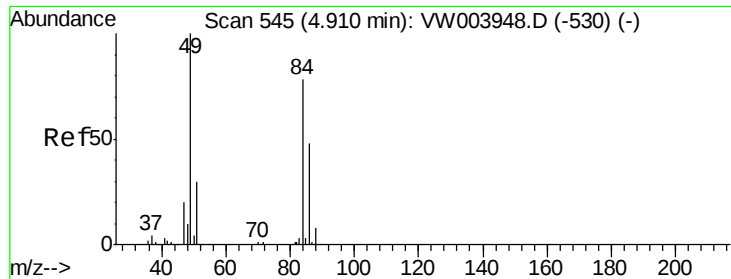
50

0

4.60 4.65 4.70 4.75

Time-->

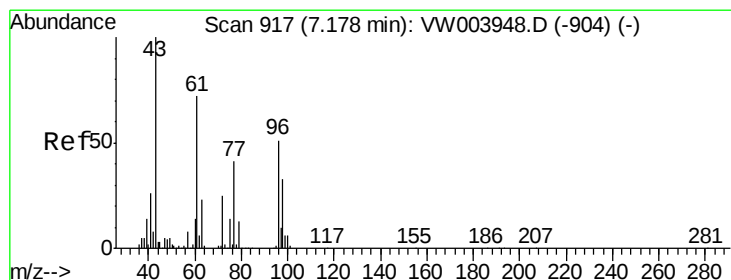
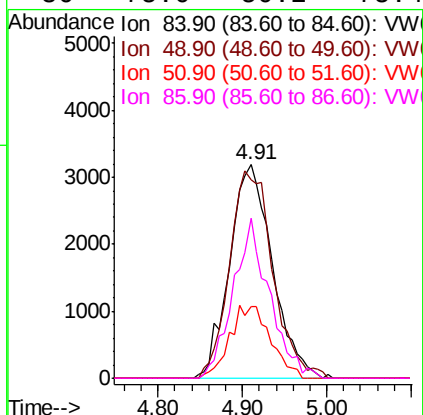
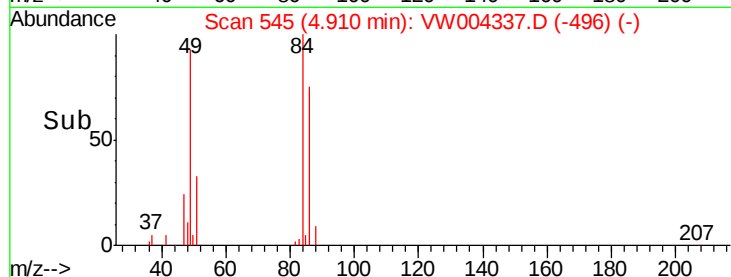
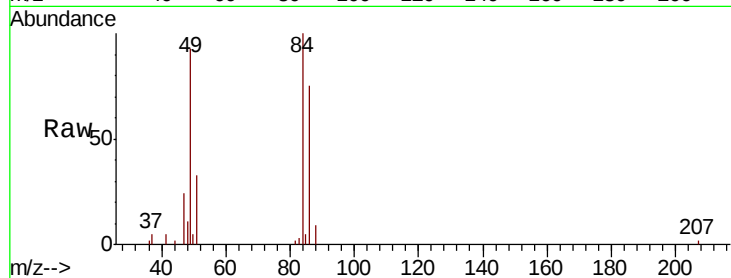




#20
Methvlene Chloride
Concen: 7.586 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

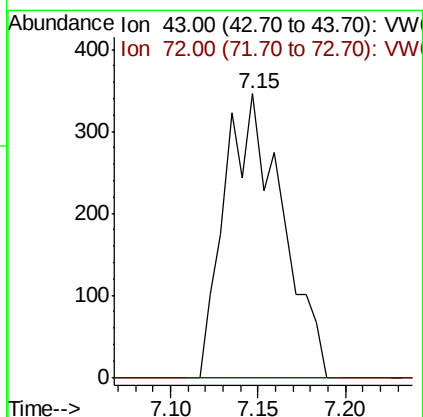
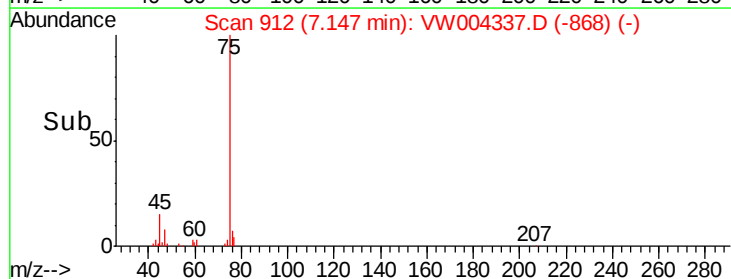
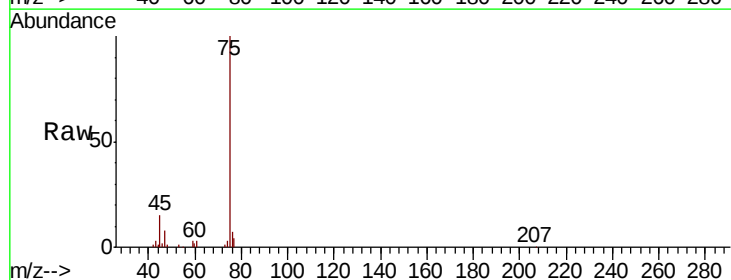
Instrument :
MSVOA_W
ClientSampleId :

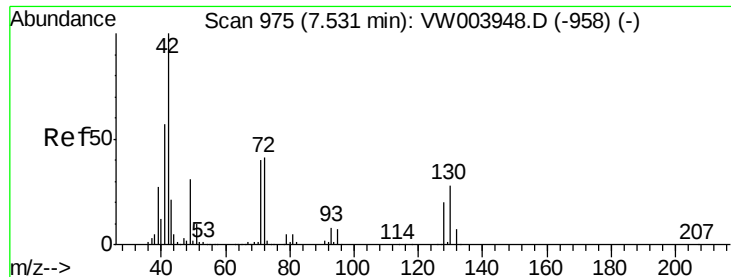
Tot Ion: 84 Resp: 11019
Ion Ratio Lower Upper
84 100
49 92.7 100.5 150.7#
51 33.4 30.9 46.3
86 75.0 50.2 75.4



#25
2-Butanone
Concen: 2.194 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.03 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#

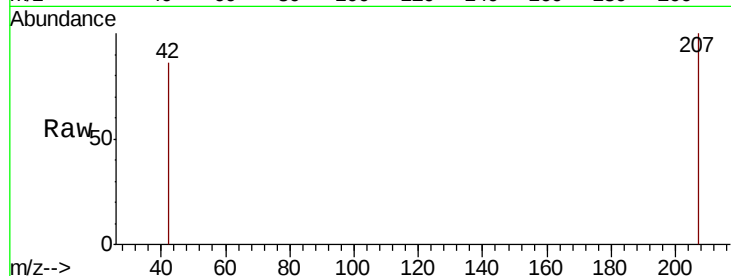




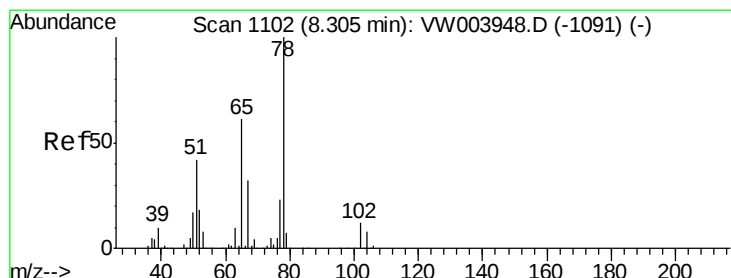
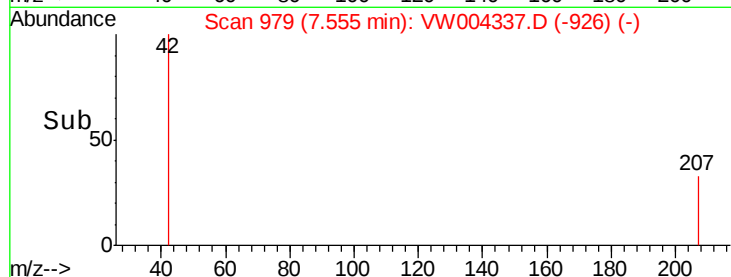
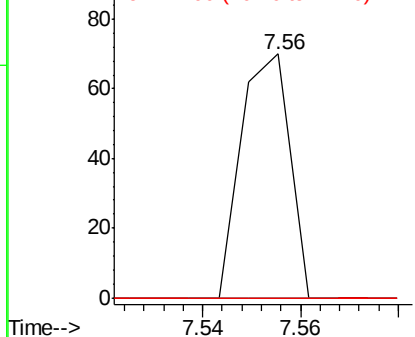
#29
Tetrahydrofuran
Concen: 2.852 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 48
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 31.3 46.9#

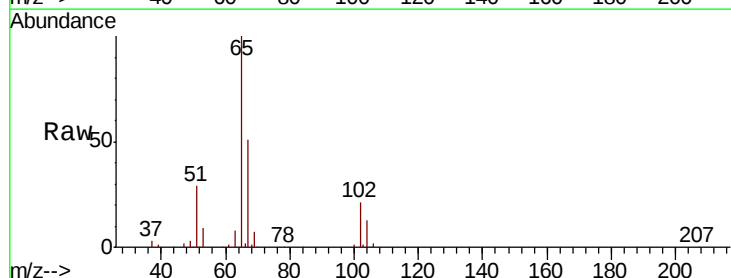


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

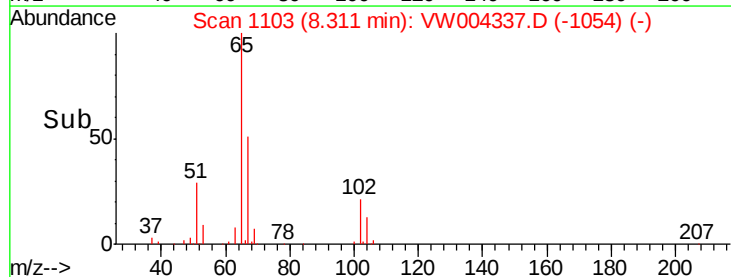
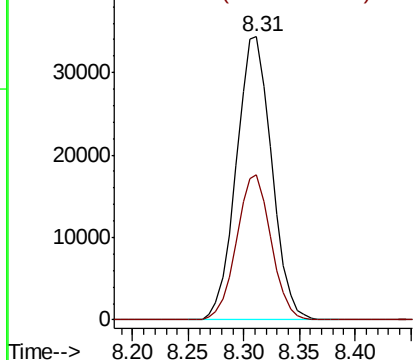


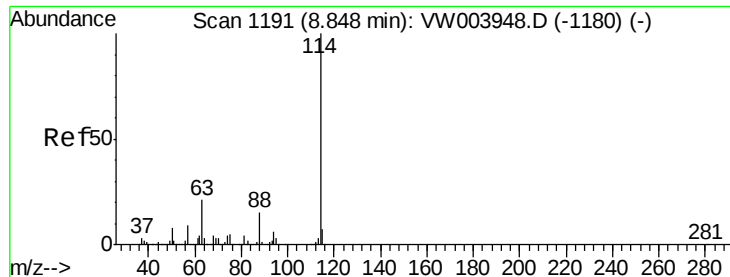
#33
1,2-Dichloroethane-d4
Concen: 58.603 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Tgt Ion: 65 Resp: 75787
Ion Ratio Lower Upper
65 100
67 49.9 0.0 106.4



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

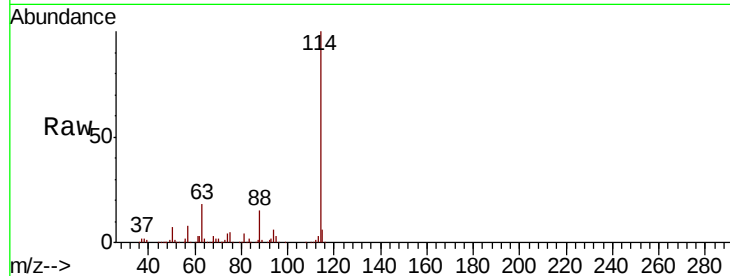




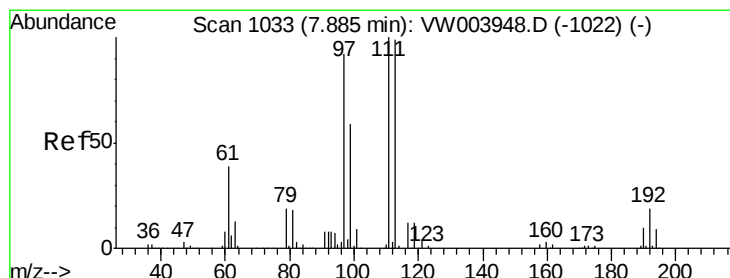
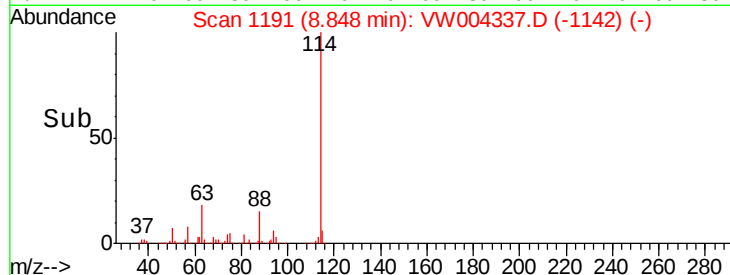
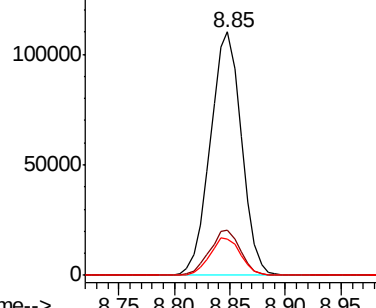
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	41.4
88	14.9	0.0	30.6

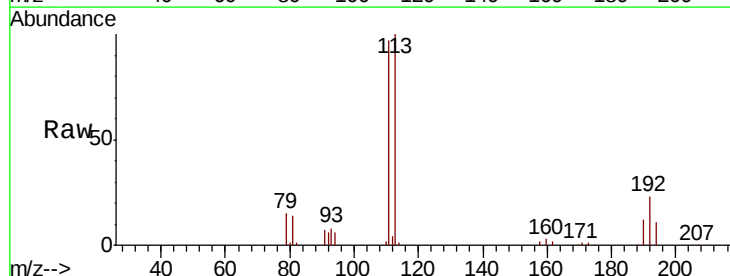


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

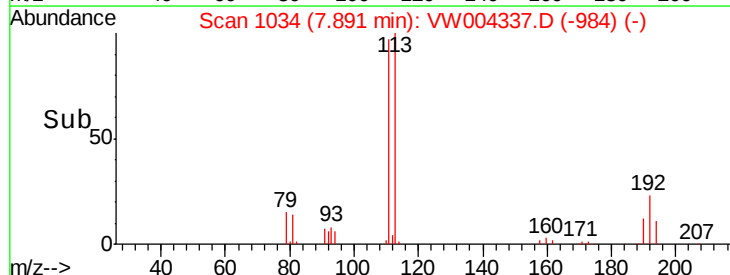
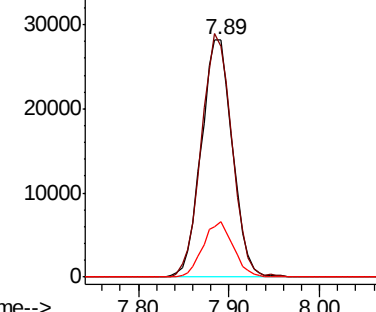


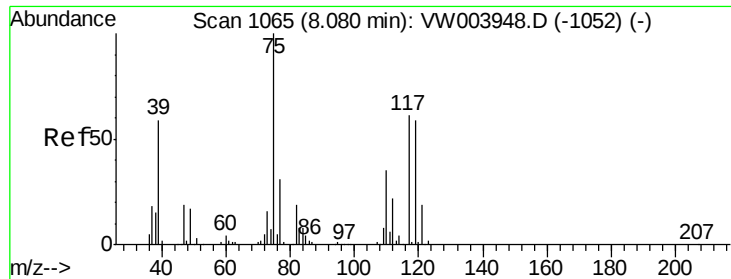
#35
 Dibromofluoromethane
 Concen: 49.689 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.1	123.1
192	22.6	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

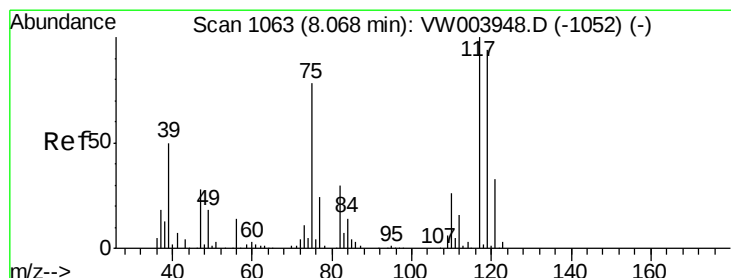
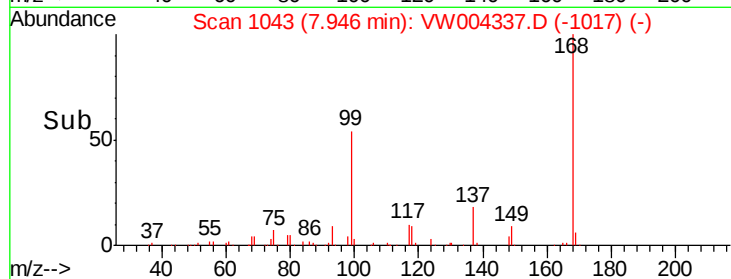
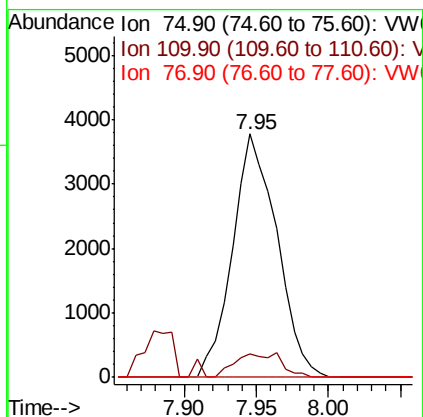
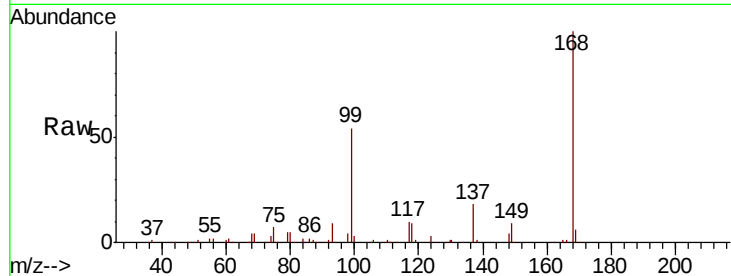




#36
 1,1-Dichloropropene
 Concen: 3.767 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

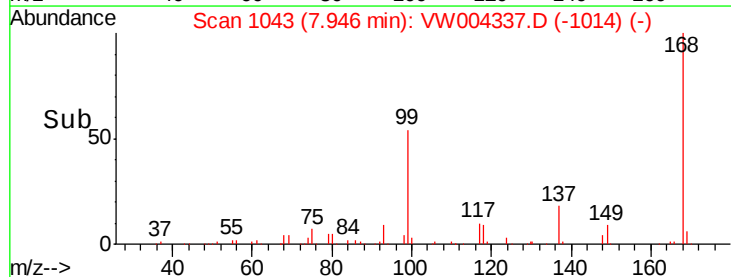
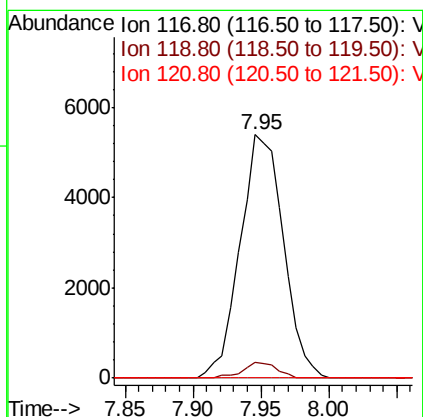
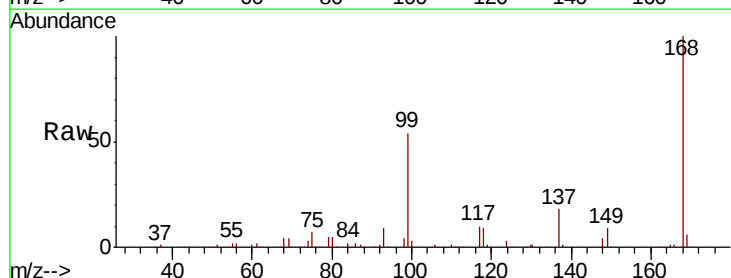
Instrument :
 MSVOA_W
 ClientSampleId :

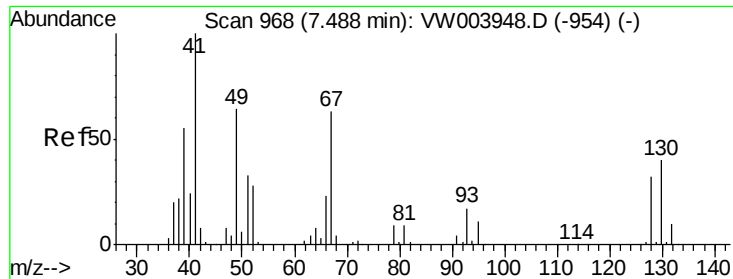
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.3	52.0#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.682 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW004337.D
 Acq: 30 Jul 2018 03:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	79.7	119.5#
121	0.0	25.7	38.5#

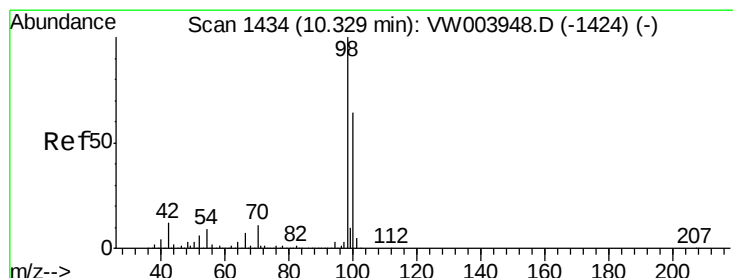
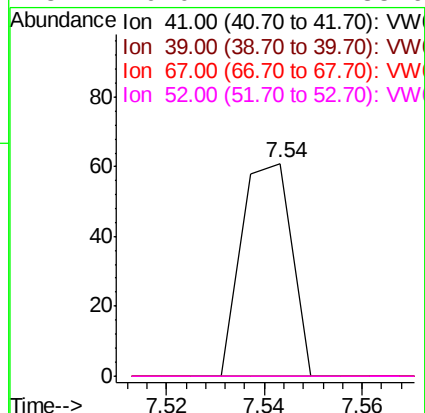
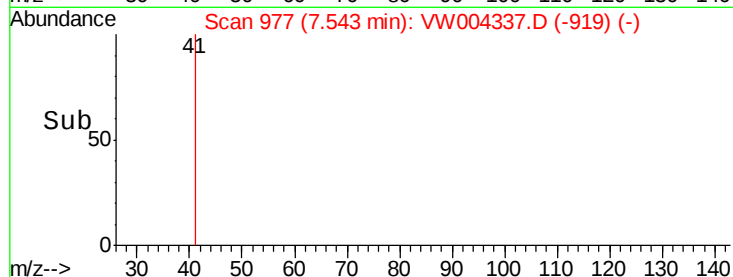
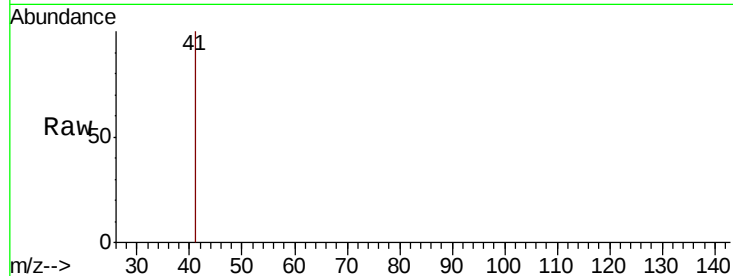




#41
Methacrylonitrile
Concen: 2.170 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.06 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

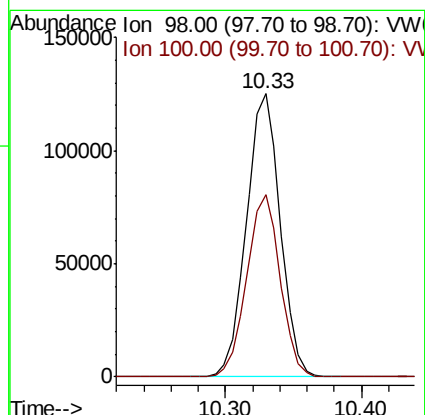
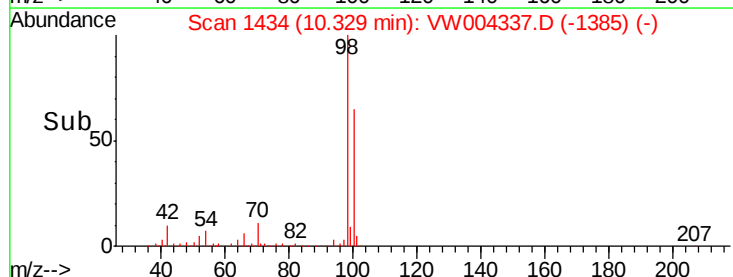
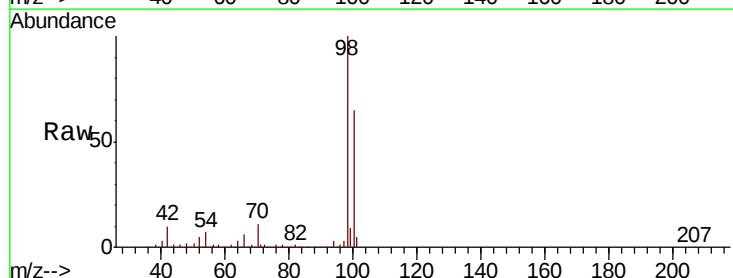
Instrument :
MSVOA_W
ClientSampleId :

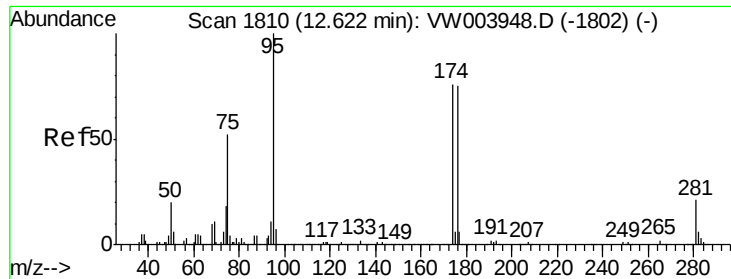
Tot Ion:	41	Resp:	44
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.2	61.8#
67	0.0	53.4	80.0#
52	0.0	22.4	33.6#



#50
Toluene-d8
Concen: 40.707 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Tgt Ion:	98	Resp:	217774
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3

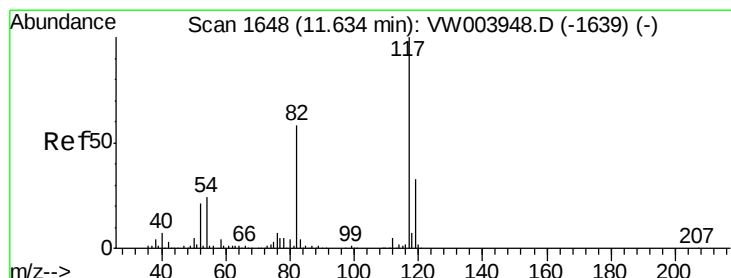
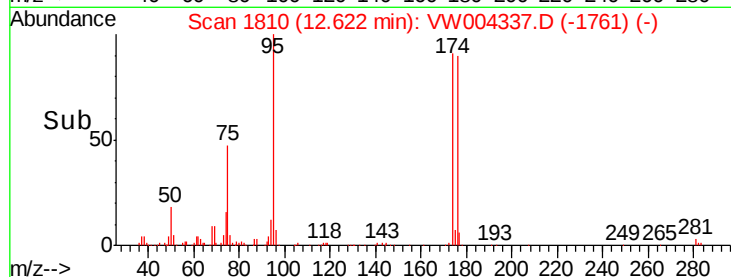
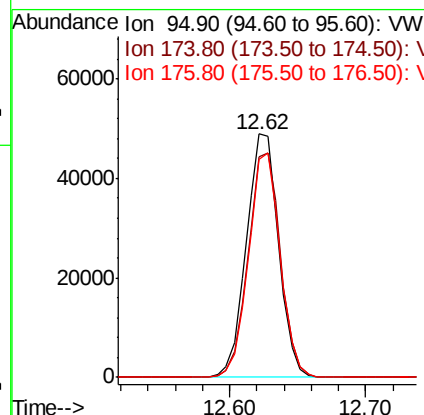
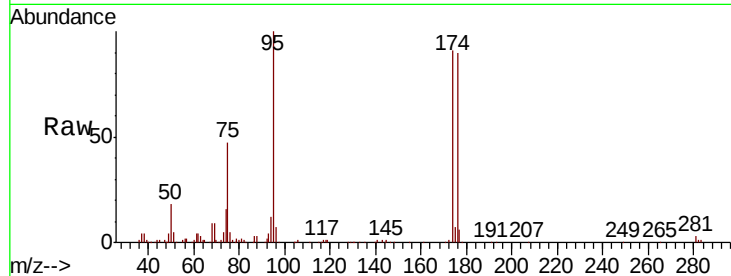




#62
4-Bromofluorobenzene
Concen: 43.089 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

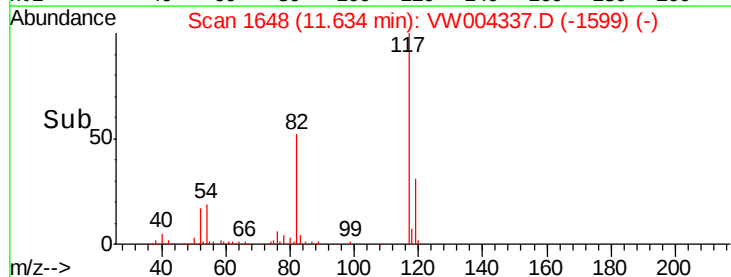
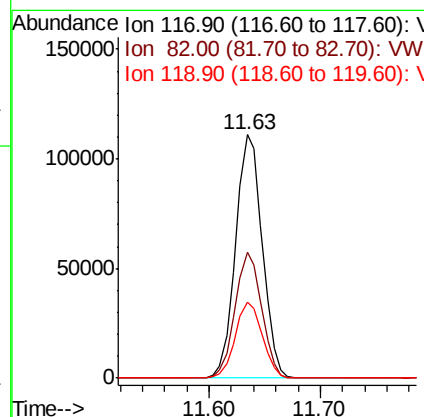
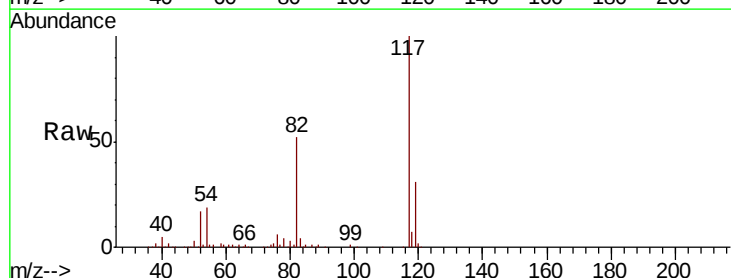
Instrument :
MSVOA_W
ClientSampleId :

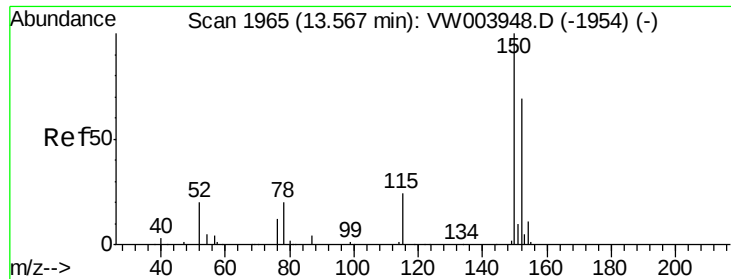
Tot Ion: 95 Resp: 81165
Ion Ratio Lower Upper
95 100
174 92.5 0.0 167.8
176 90.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Tgt Ion: 117 Resp: 183614
Ion Ratio Lower Upper
117 100
82 51.9 47.9 71.9
119 31.1 27.1 40.7



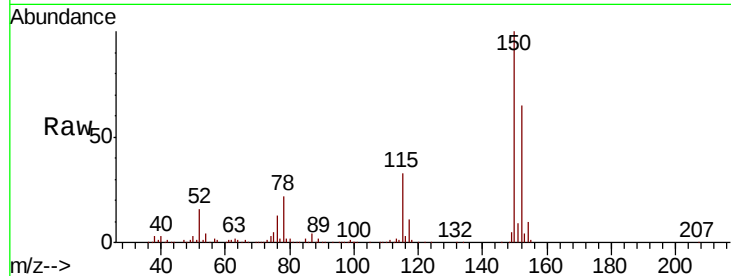


#72

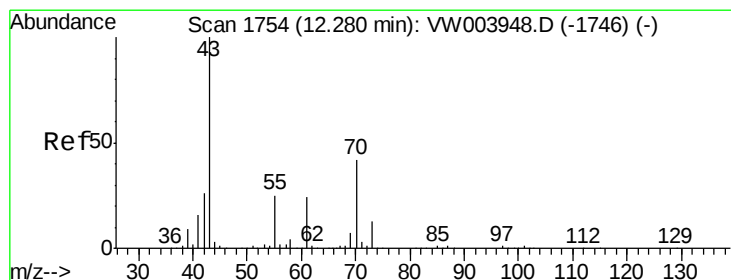
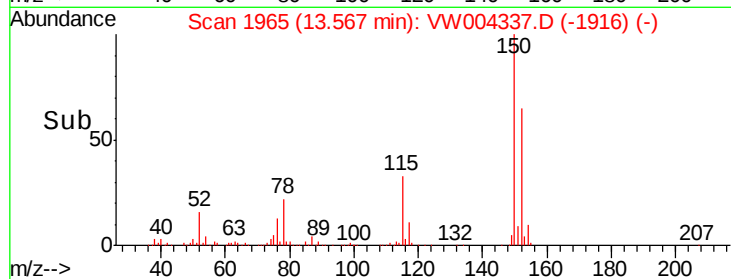
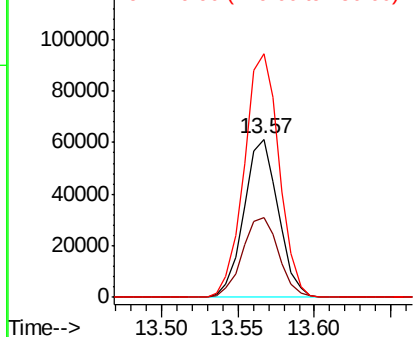
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 95496
Ion Ratio Lower Upper
152 100
115 53.2 28.8 86.4
150 156.7 0.0 346.4



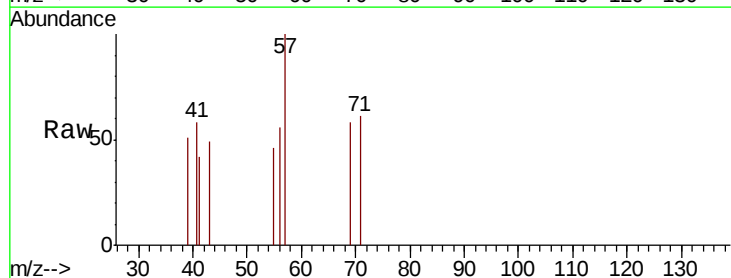
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



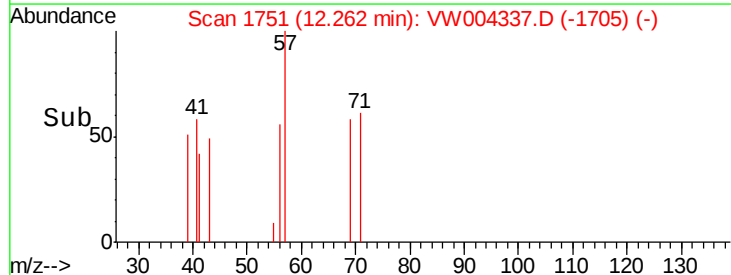
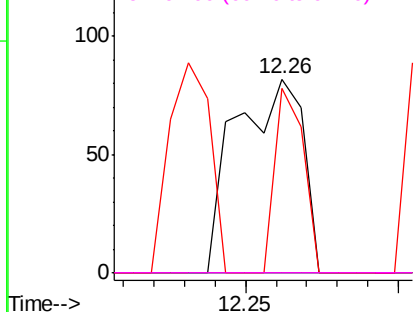
#74

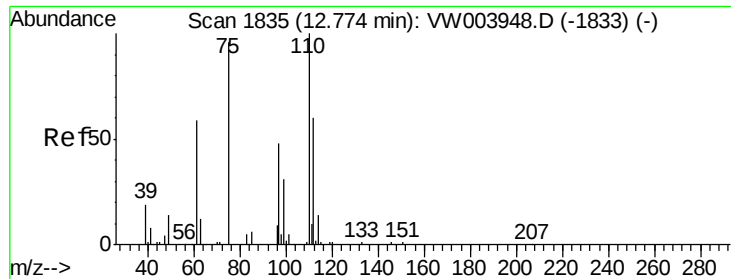
N-ethyl acetate
Concen: 1.950 ug/l
RT: 12.26 min Scan# 1751
Delta R.T. -0.02 min
Lab File: VW004337.D
Acq: 30 Jul 2018 03:17

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 40.8 21.8 32.8#
61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 45.049 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004337.D

Acq: 30 Jul 2018 03:17

Instrument :

MSVOA_W

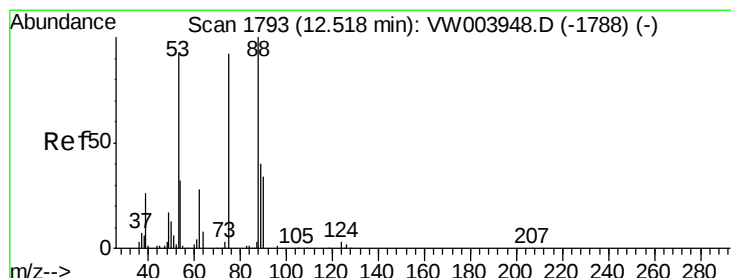
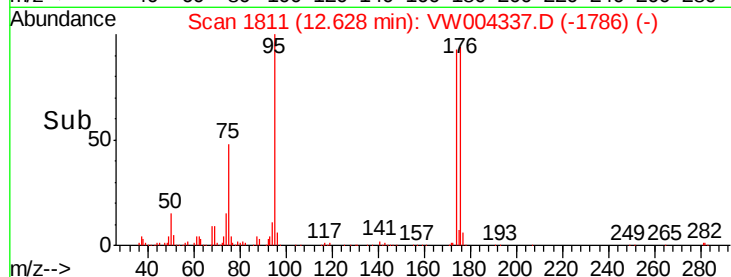
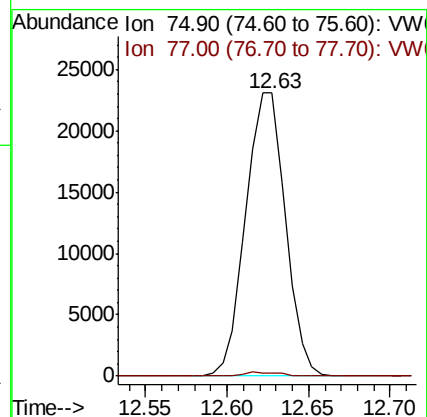
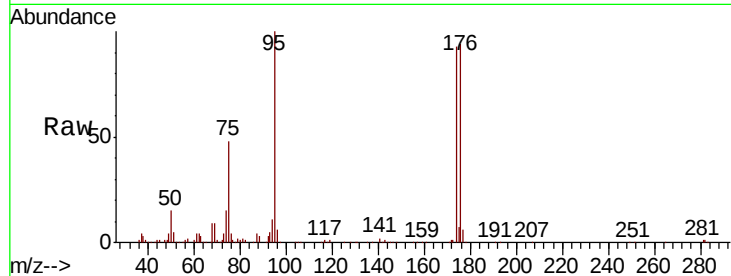
ClientSampled :

Tot Ion: 75 Resp: 39262

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.823 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004337.D

Acq: 30 Jul 2018 03:17

Tgt Ion: 75 Resp: 39262

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 36.0 54.0#

