

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007055.D
 Acq On : 26 Nov 2018 18:32
 Operator : VAY/AP
 Sample : J5770-07
 Misc : 6.62G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:26:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	191648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	58006	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	57441	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.89	113	50216	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
50) Toluene-d8	10.33	98	178885	37.43	ug/l	0.00
Spiked Amount			Recovery	=	74.86%	
62) 4-Bromofluorobenzene	12.62	95	66167	35.18	ug/l	0.00
Spiked Amount			Recovery	=	70.36%	

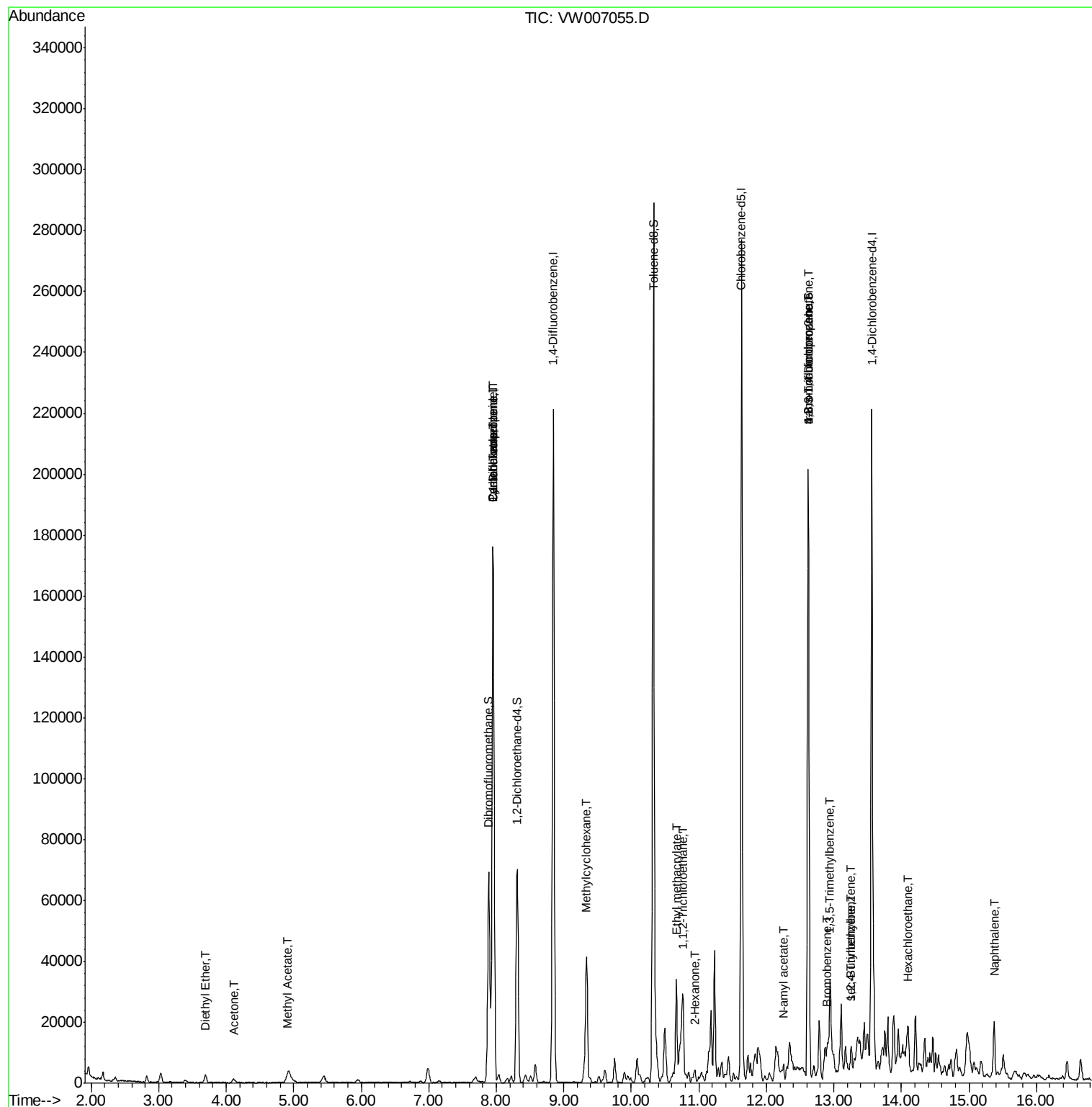
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1327	2.140	ug/l	95
16) Acetone	4.12	43	765	4.452	ug/l #	44
18) Methyl Acetate	4.90	43	1047	1.711	ug/l #	50
20) Methylene Chloride	4.93	84	2638	Below Cal	#	93
31) Cyclohexane	7.96	56	8792	3.858	ug/l #	58
36) 1,1-Dichloropropene	7.95	75	9081	4.849	ug/l #	49
38) Carbon Tetrachloride	7.95	117	12706	7.085	ug/l #	17
39) Methylcyclohexane	9.34	83	18113	7.729	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	7251	7.897	ug/l #	21
56) Ethyl methacrylate	10.67	69	3504	3.288	ug/l #	1
59) 2-Hexanone	10.93	43	1761	3.935	ug/l #	24
74) N-amyl acetate	12.26	43	1127	1.492	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	32271	70.800	ug/l #	100
77) Bromobenzene	12.89	156	1725	1.782	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	9759	2.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	32271	177.749	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	4859	1.251	ug/l	99
85) sec-Butylbenzene	13.26	105	4859	1.019	ug/l #	57
90) Hexachloroethane	14.10	117	690	1.124	ug/l #	14
95) Naphthalene	15.38	128	15840	7.640	ug/l	98

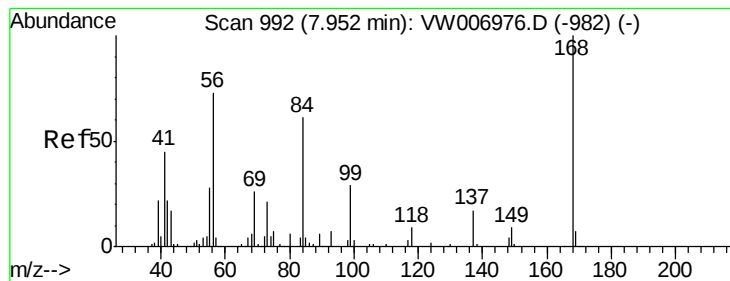
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :

MSVOA_W

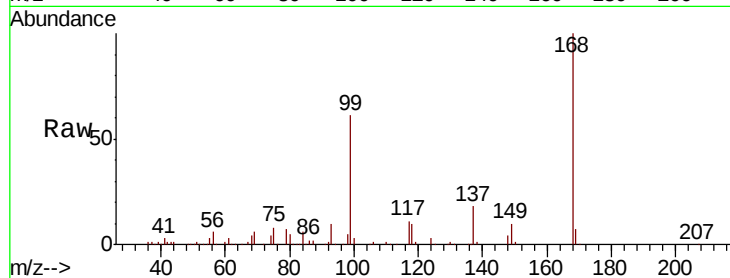
ClientSampled :

Tot Ion:168 Resp: 120878

Ion Ratio Lower Upper

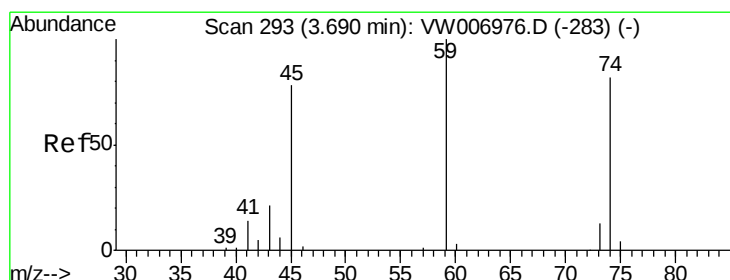
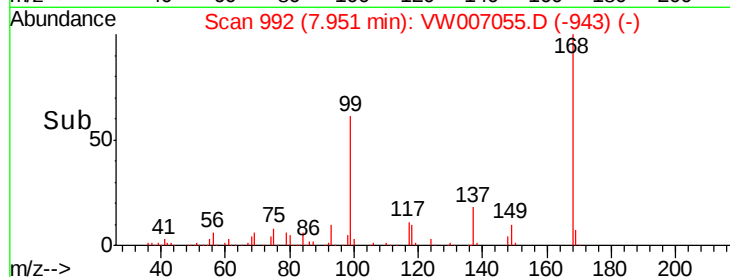
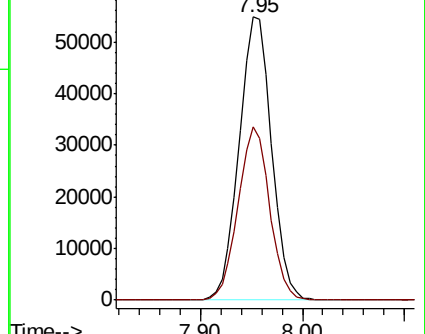
168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.140 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007055.D

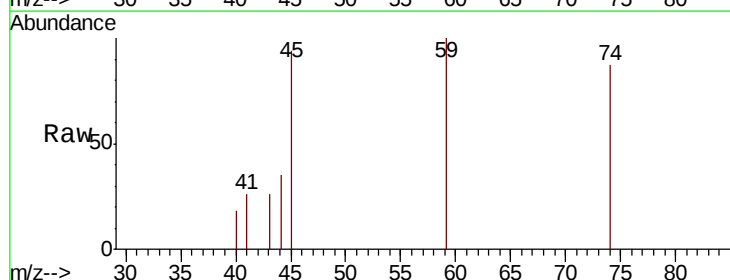
Acq: 26 Nov 2018 18:32

Tgt Ion: 74 Resp: 1327

Ion Ratio Lower Upper

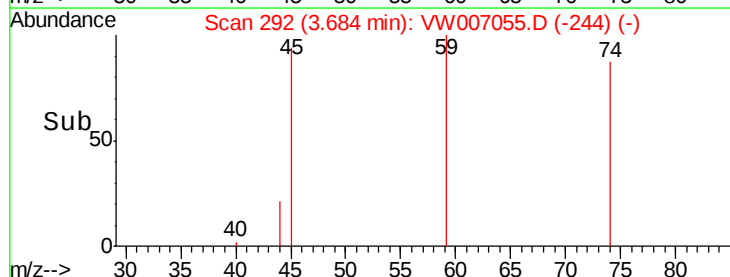
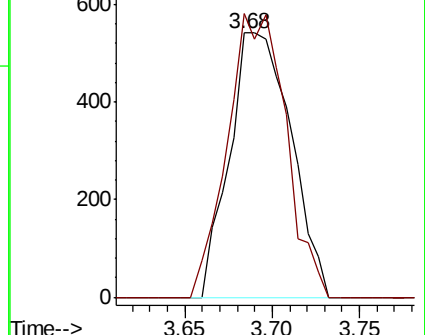
74 100

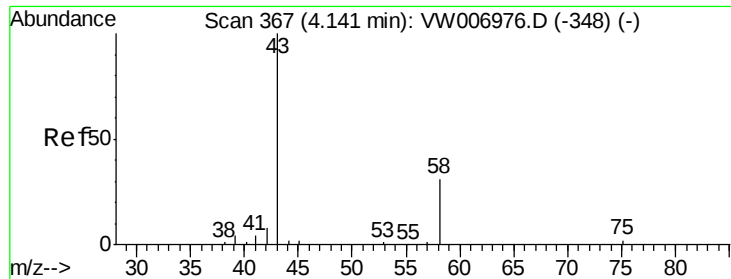
45 101.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 4.452 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :

MSVOA_W

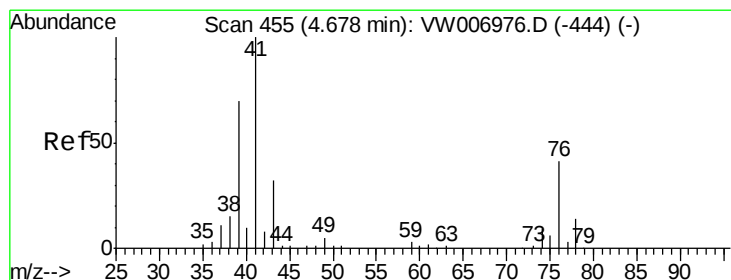
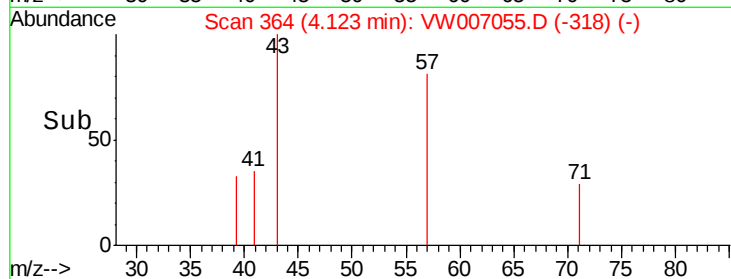
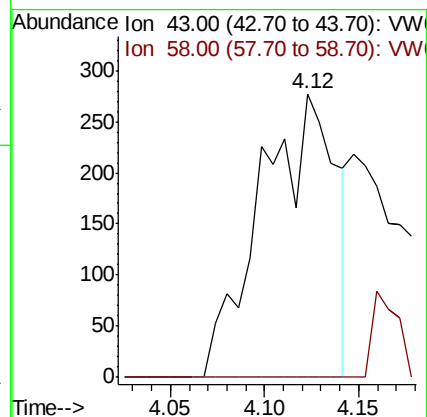
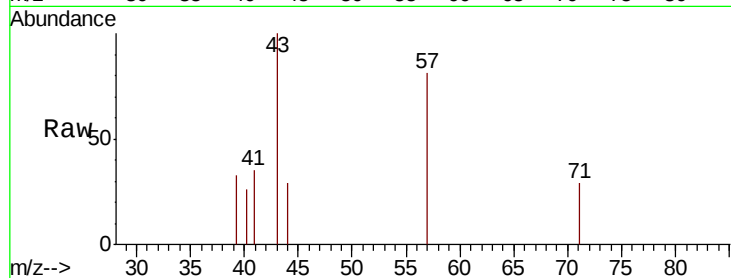
ClientSampled :

Tot Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#18

Methyl Acetate

Concen: 1.711 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.23 min

Lab File: VW007055.D

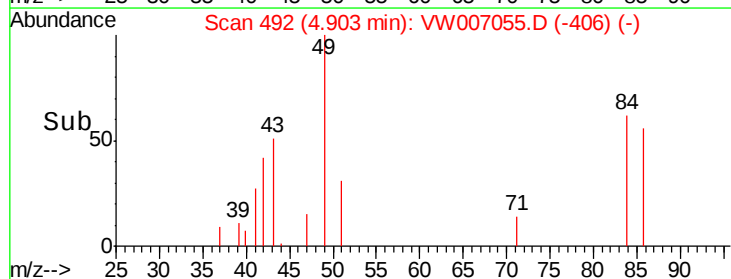
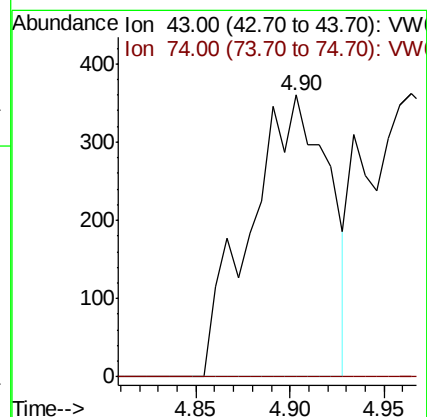
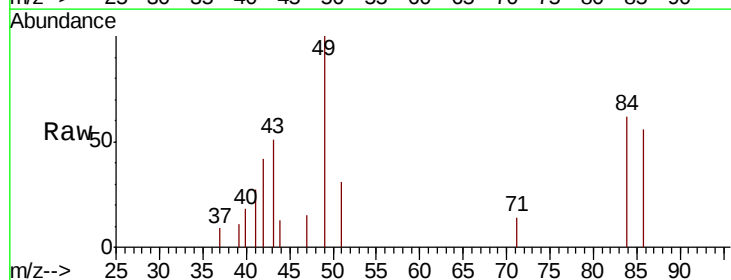
Acq: 26 Nov 2018 18:32

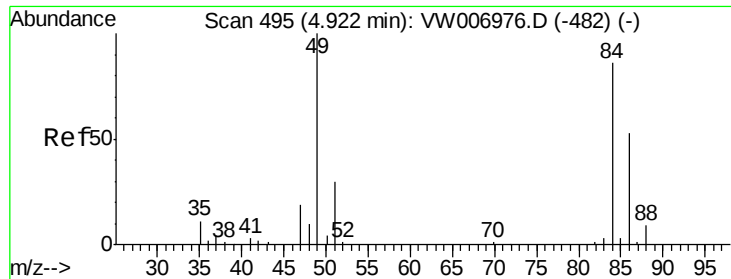
Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#

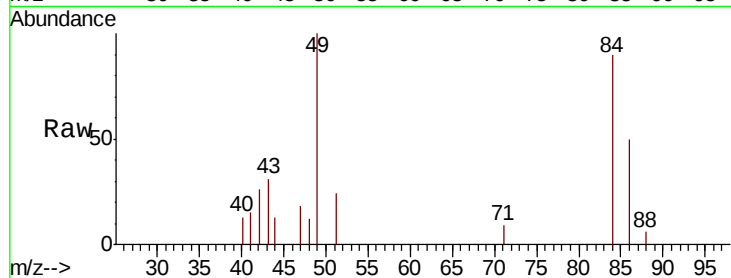




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	2638
Ion	Ratio	Lower	Upper
84	100		
49	111.7	93.4	140.0
51	26.6	28.4	42.6#
86	56.2	49.8	74.8



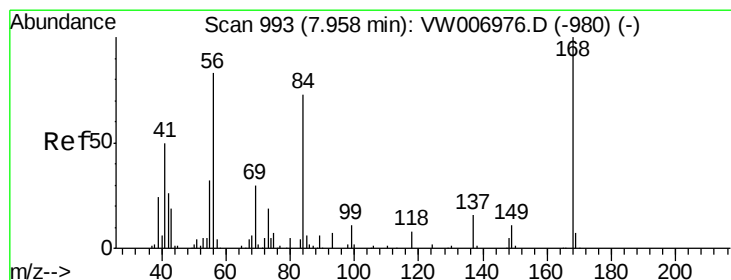
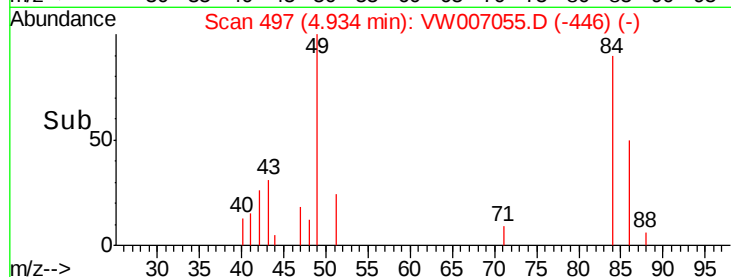
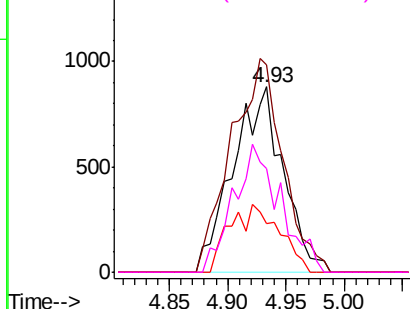
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

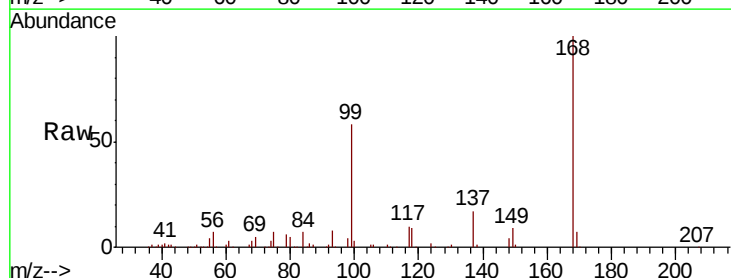
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 3.858 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion:	56	Resp:	8792
Ion	Ratio	Lower	Upper
56	100		
69	81.8	29.1	43.7#
84	113.4	70.6	105.8#

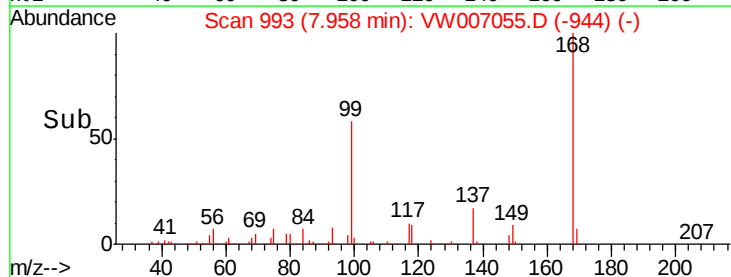
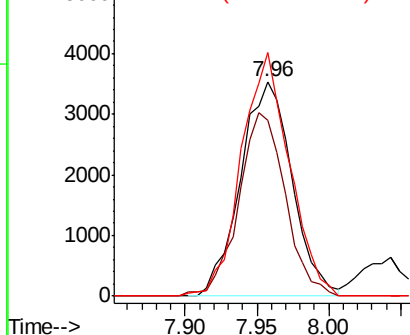


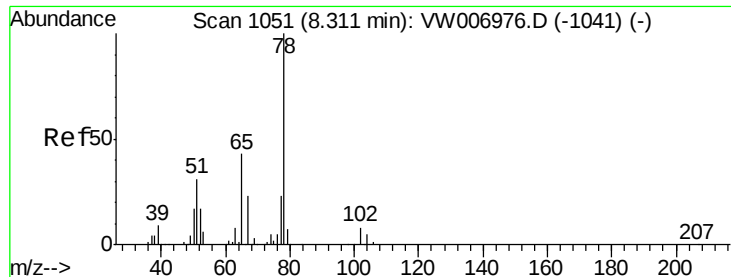
Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

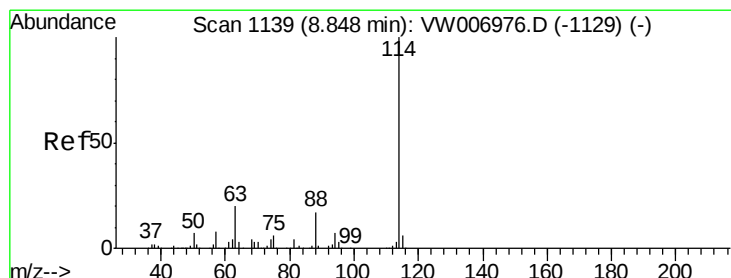
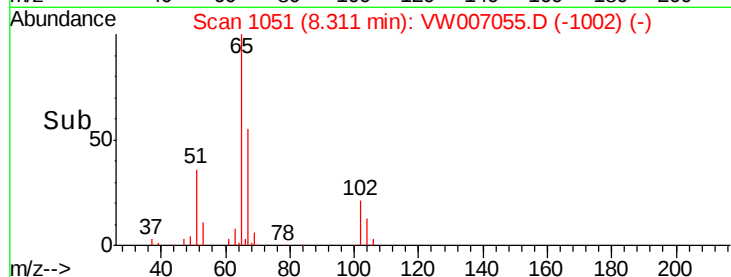
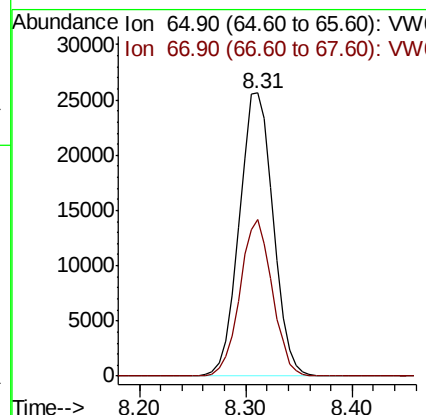
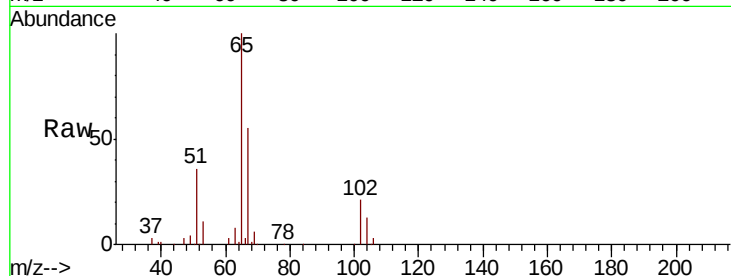




#33
 1,2-Dichloroethane-d4
 Concen: 48.538 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007055.D
 Acq: 26 Nov 2018 18:32

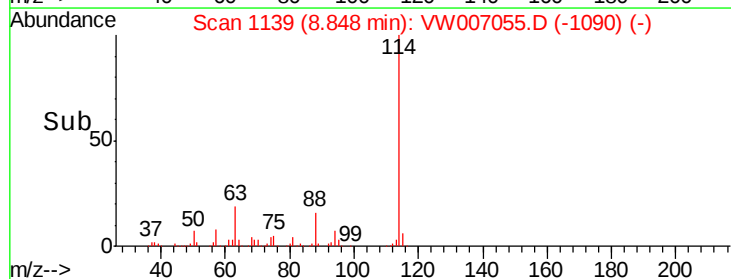
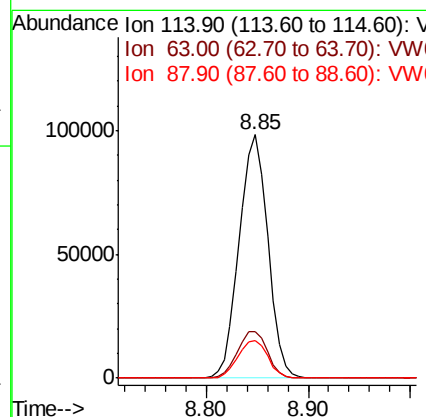
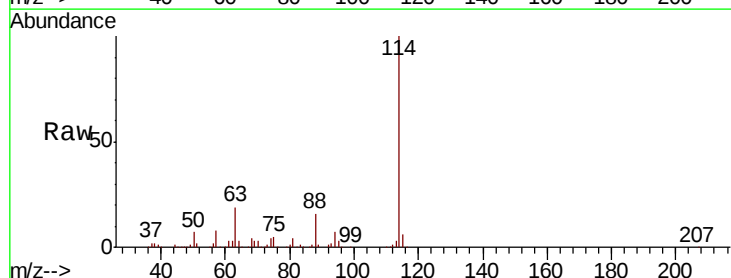
Instrument :
 MSVOA_W
 ClientSampled :

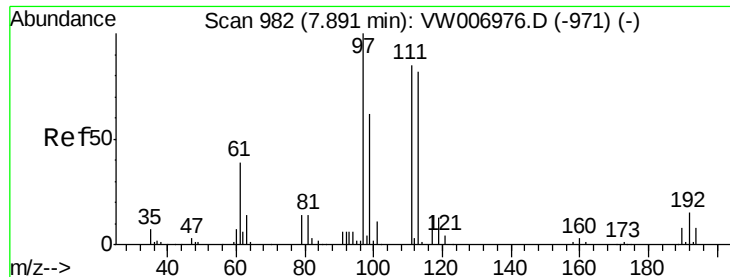
Tot Ion: 65 Resp: 57441
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007055.D
 Acq: 26 Nov 2018 18:32

Tgt Ion: 114 Resp: 191648
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 15.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 46.398 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :
MSVOA_W
ClientSampleId :

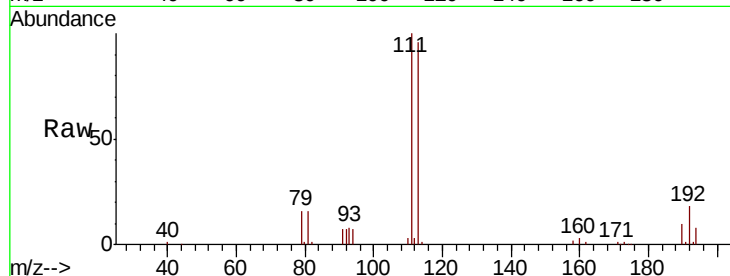
Tot Ion:113 Resp: 50216

Ion Ratio Lower Upper

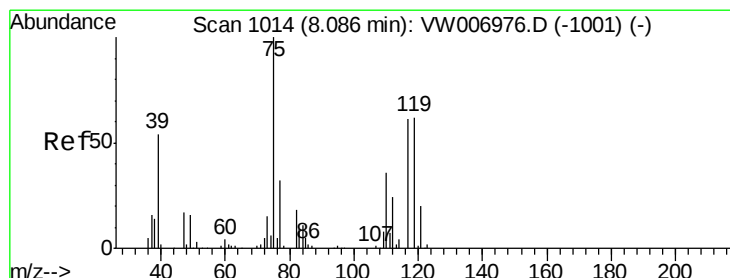
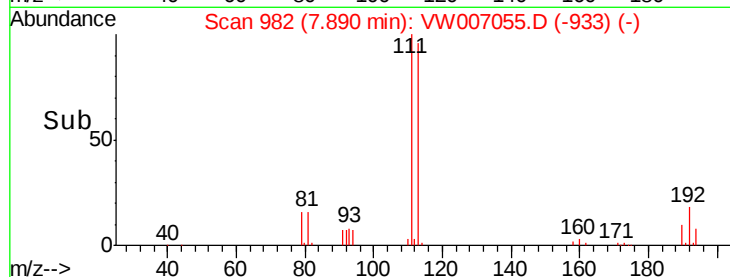
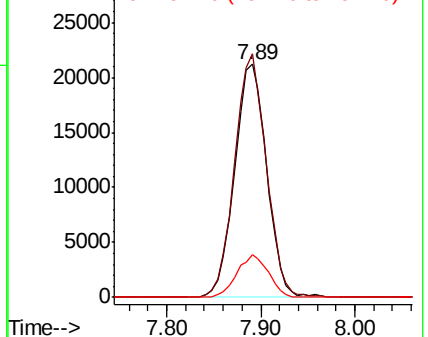
113 100

111 103.0 81.0 121.6

192 18.0 15.0 22.6



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: 4.849 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

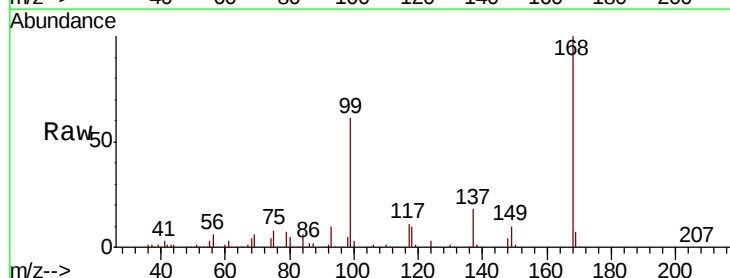
Tgt Ion: 75 Resp: 9081

Ion Ratio Lower Upper

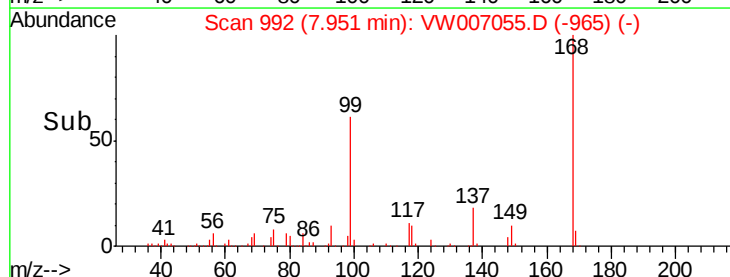
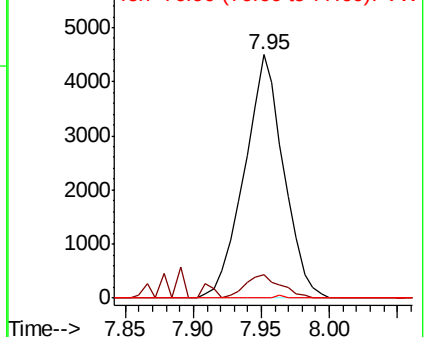
75 100

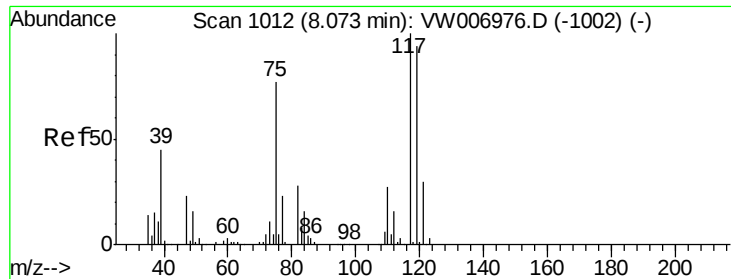
110 8.8 18.0 54.0#

77 0.2 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

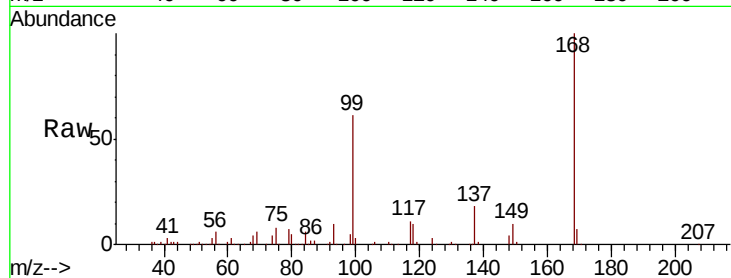




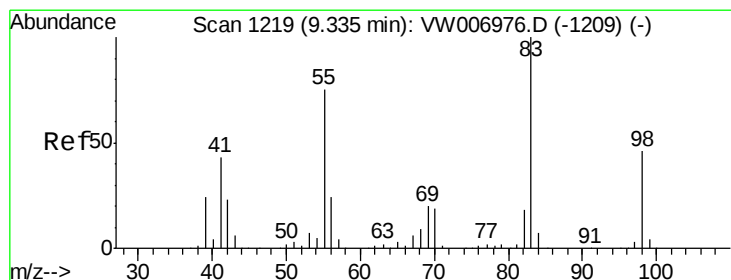
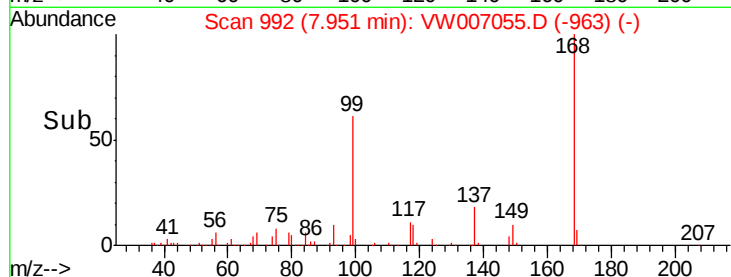
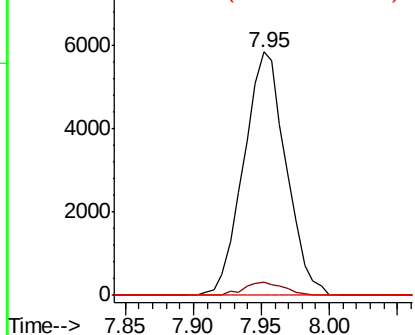
#38
Carbon Tetrachloride
Concen: 7.085 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 12706
Ion Ratio Lower Upper
117 100
119 5.5 74.9 112.3#
121 0.0 23.6 35.4#

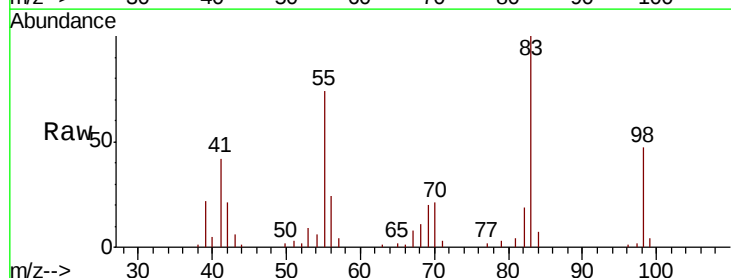


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

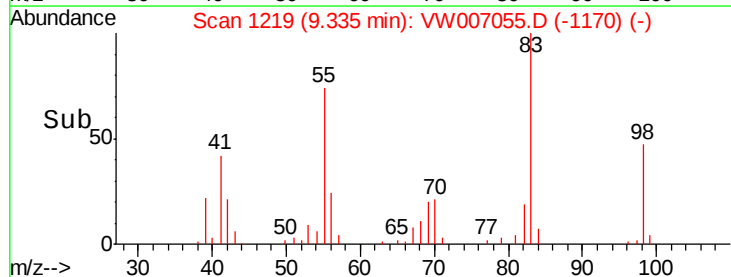
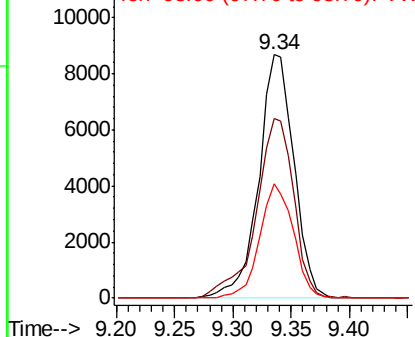


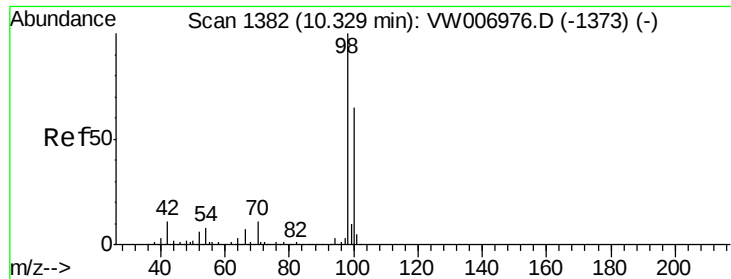
#39
Methylcyclohexane
Concen: 7.729 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion: 83 Resp: 18113
Ion Ratio Lower Upper
83 100
55 73.6 59.6 89.4
98 46.7 37.1 55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 37.430 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :

MSVOA_W

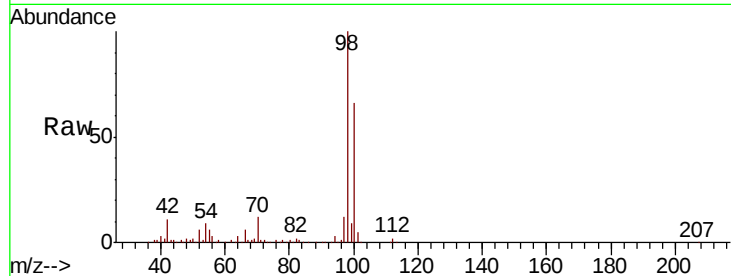
ClientSampled :

Tot Ion: 98 Resp: 178885

Ion Ratio Lower Upper

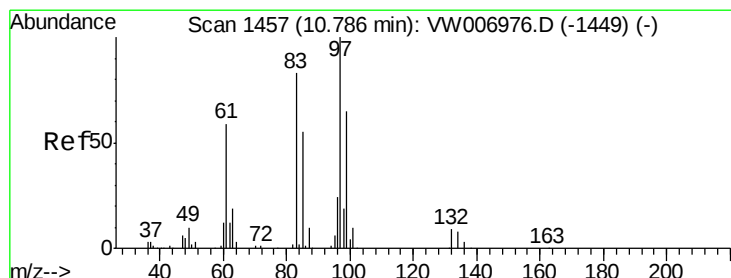
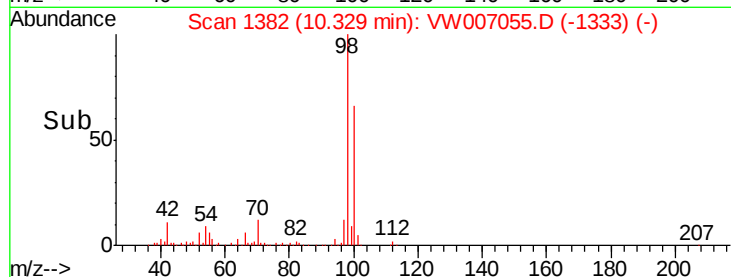
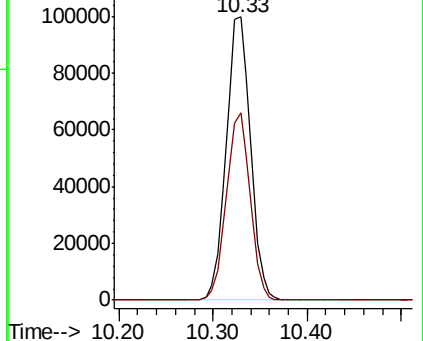
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#55

1,1,2-Trichloroethane

Concen: 7.897 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Tgt Ion: 97 Resp: 7251

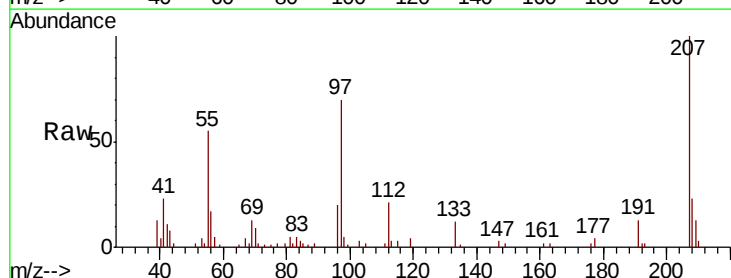
Ion Ratio Lower Upper

97 100

83 7.7 66.4 99.6#

85 2.8 44.1 66.1#

99 1.6 51.7 77.5#

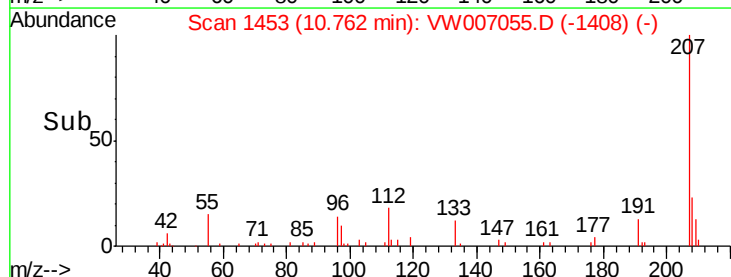
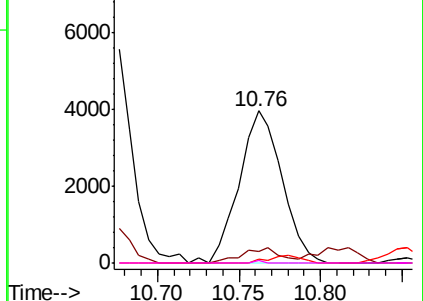


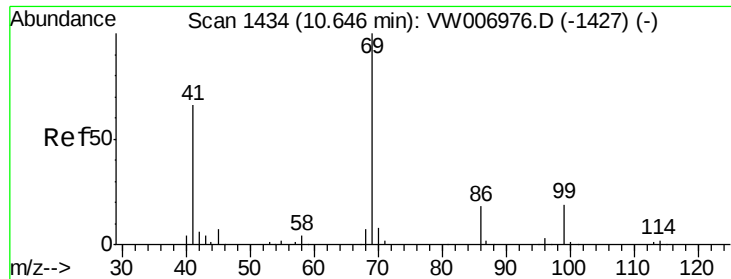
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

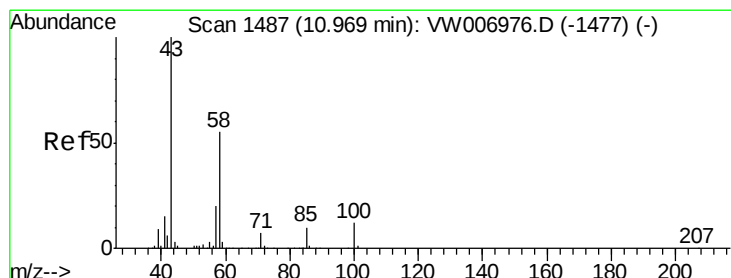
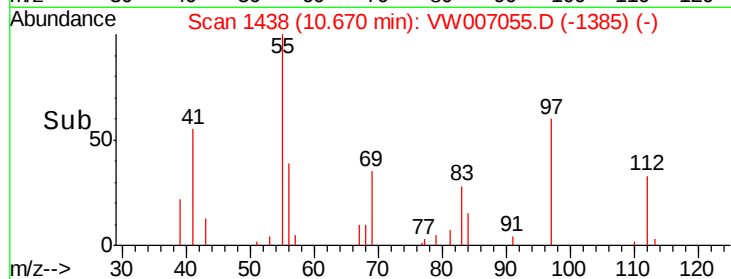
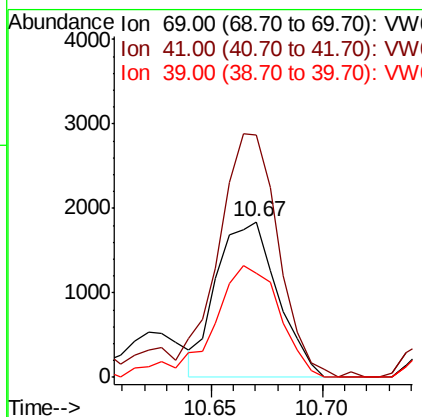
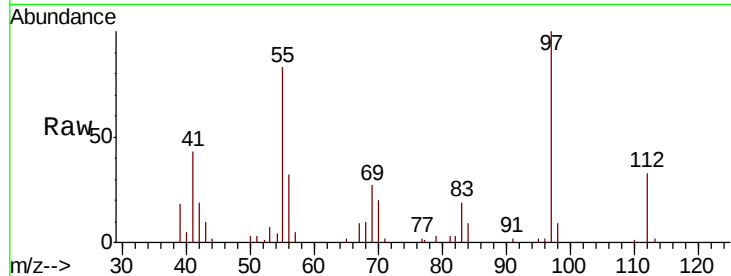




#56
Ethyl methacrylate
Concen: 3.288 ug/l
RT: 10.67 min Scan# 1438
Delta R.T. 0.02 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

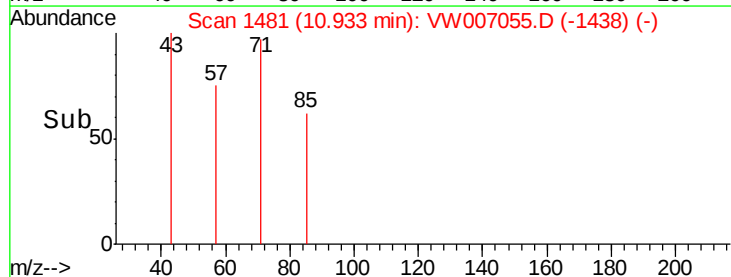
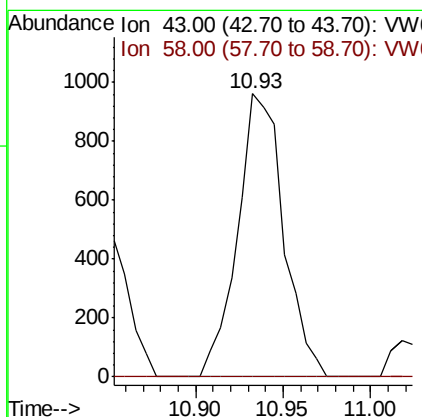
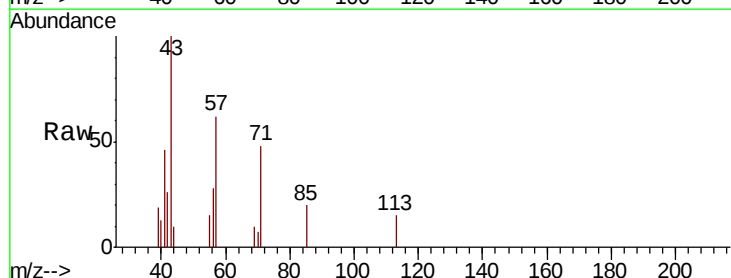
Instrument :
MSVOA_W
ClientSampled :

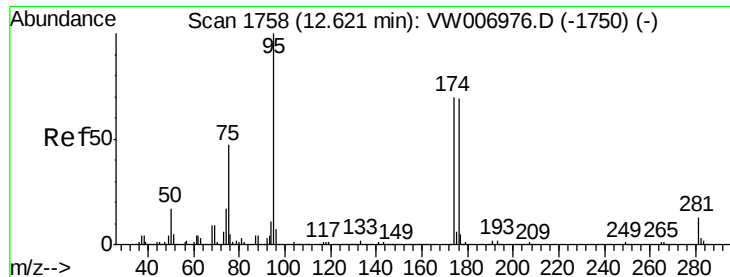
Tot Ion: 69 Resp: 3504
Ion Ratio Lower Upper
69 100
41 166.5 53.4 80.0#
39 80.5 28.2 42.4#



#59
2-Hexanone
Concen: 3.935 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

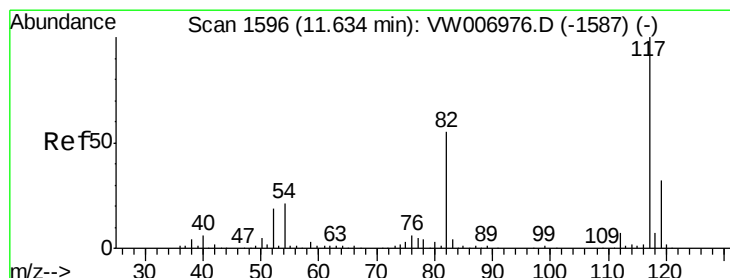
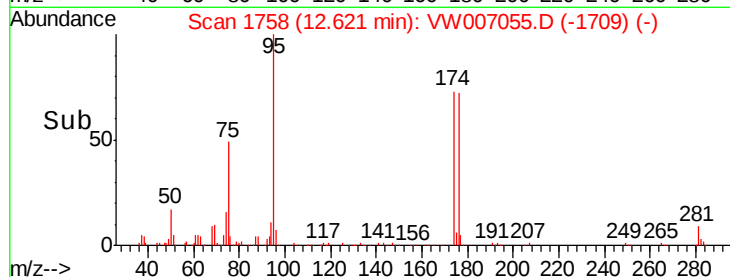
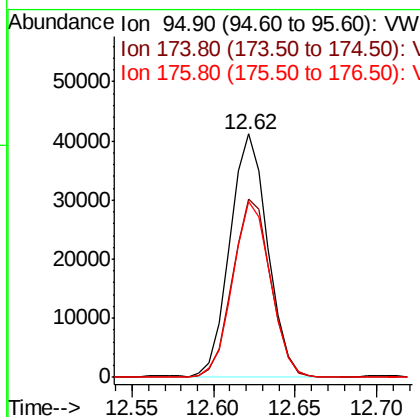
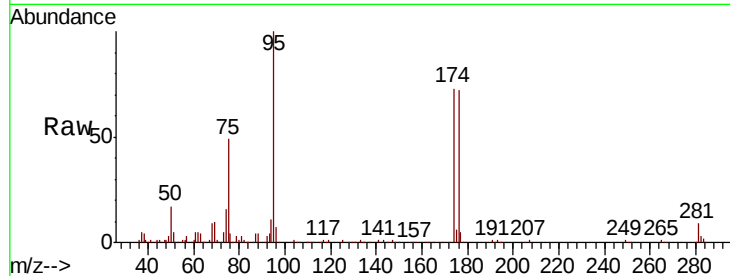




#62
4-Bromofluorobenzene
Concen: 35.182 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

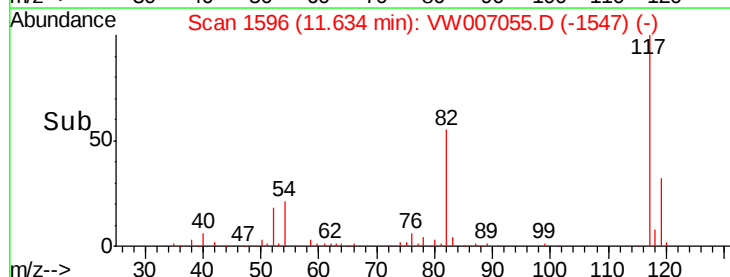
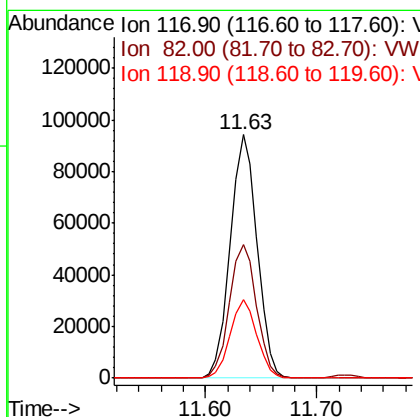
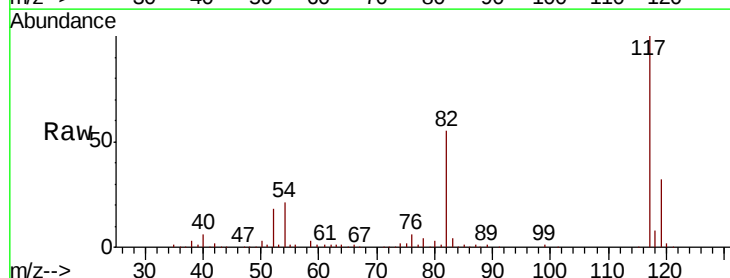
Instrument :
MSVOA_W
ClientSampleId :

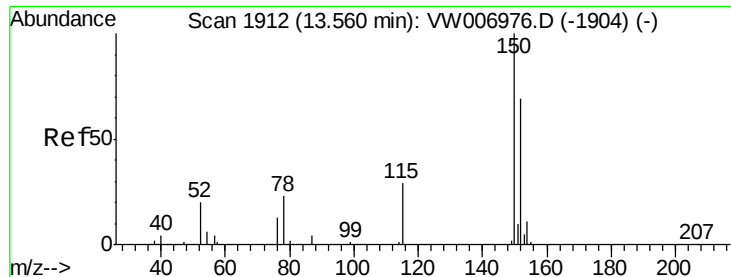
Tot Ion: 95 Resp: 66167
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.6
176 72.6 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion: 117 Resp: 157031
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :

MSVOA_W

ClientSampleId :

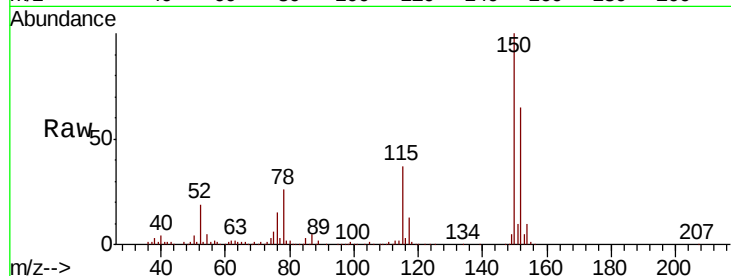
Tot Ion:152 Resp: 58006

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

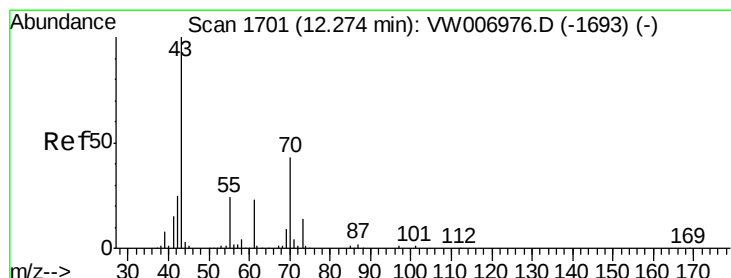
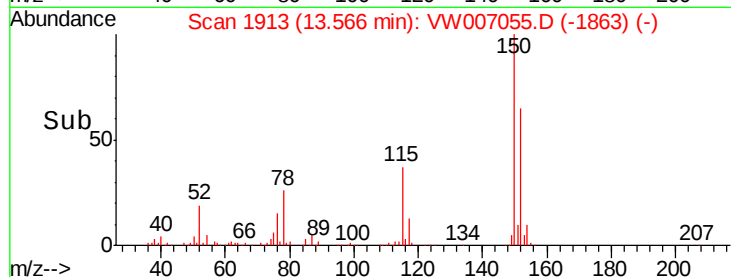
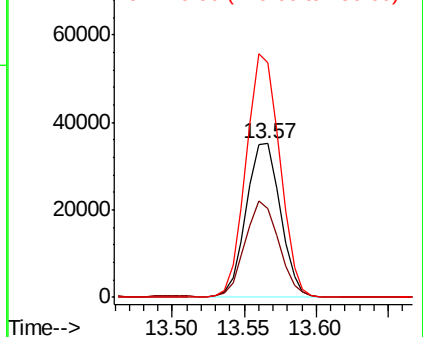
150 155.3 0.0 353.4



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: 1.492 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Tgt Ion: 43 Resp: 1127

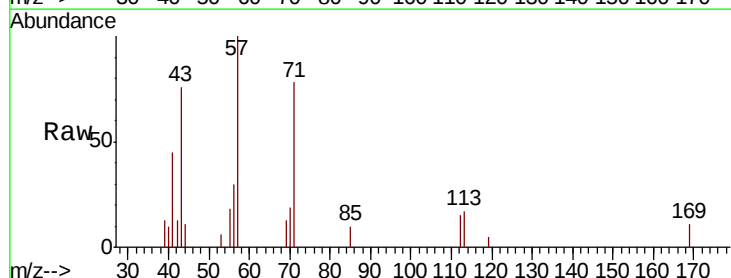
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#

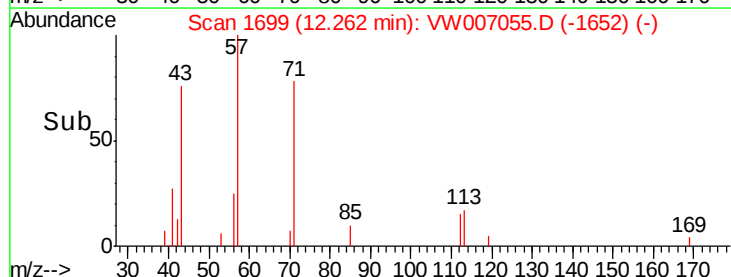
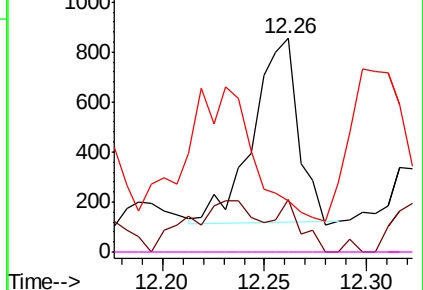


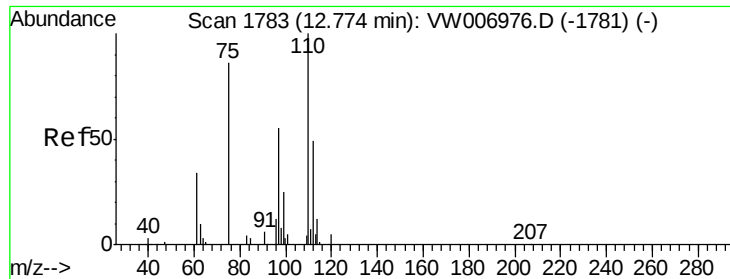
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 70.800 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

Instrument :

MSVOA_W

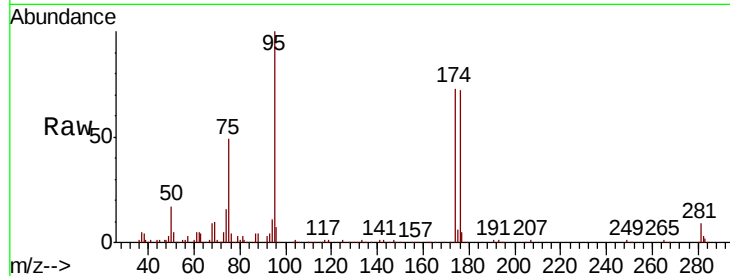
ClientSampleId :

Tot Ion: 75 Resp: 32271

Ion Ratio Lower Upper

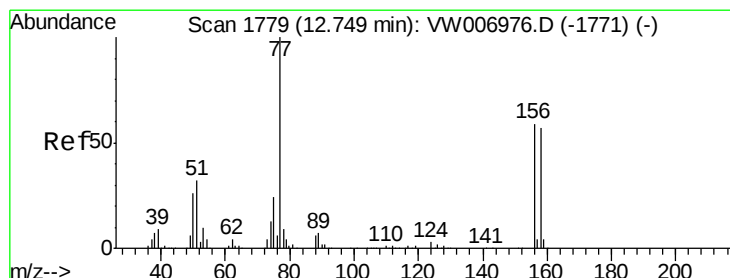
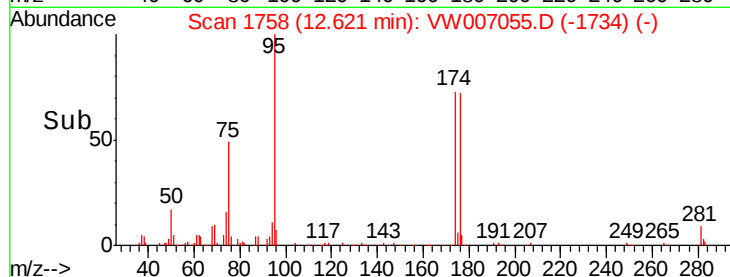
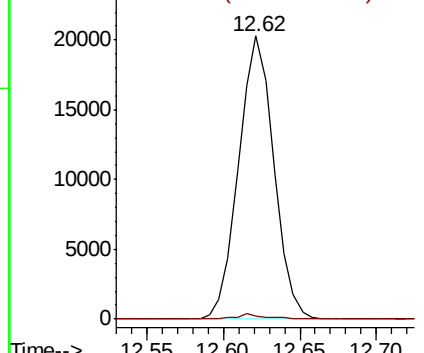
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 1.782 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW007055.D

Acq: 26 Nov 2018 18:32

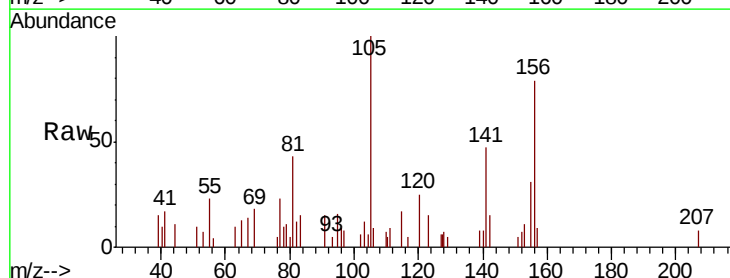
Tgt Ion: 156 Resp: 1725

Ion Ratio Lower Upper

156 100

77 34.1 94.6 283.8#

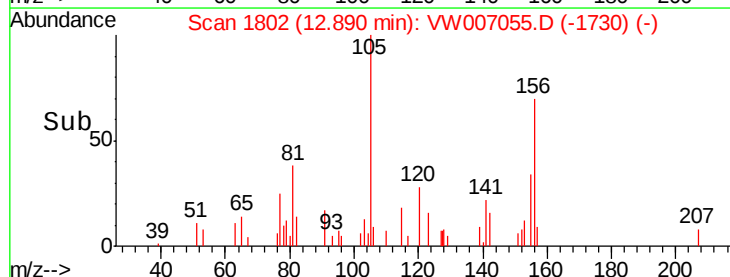
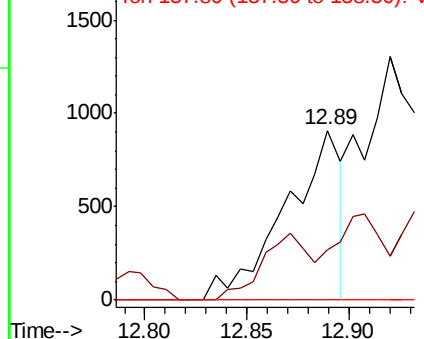
158 0.0 48.9 146.7#

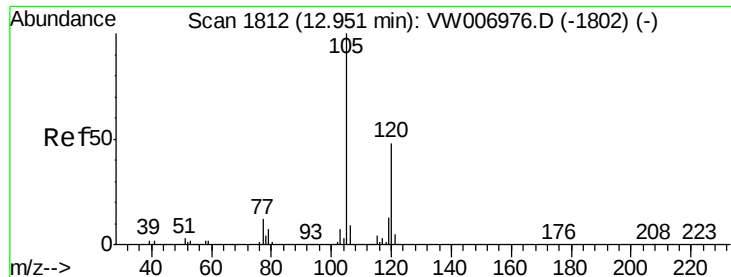


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

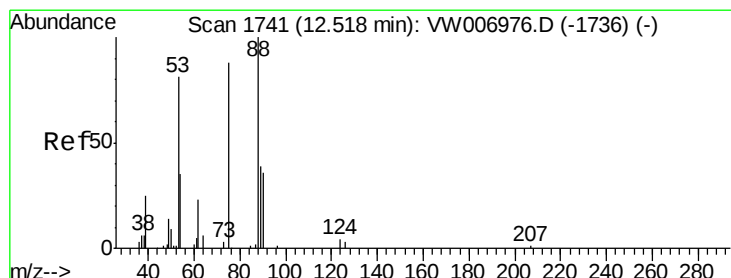
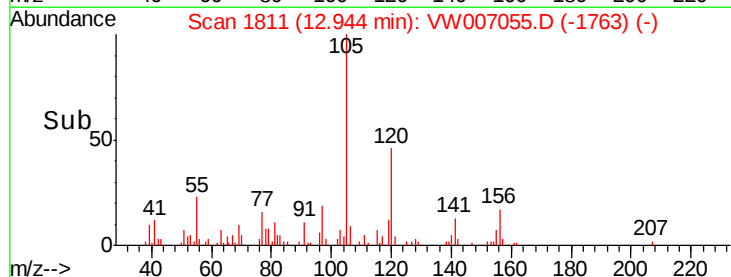
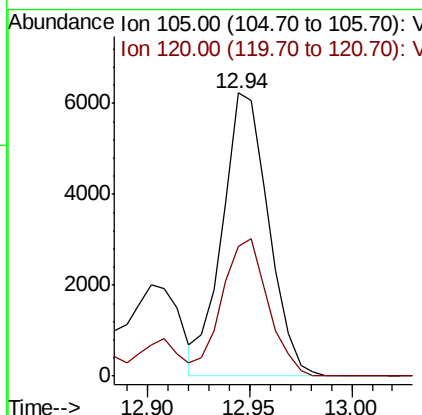
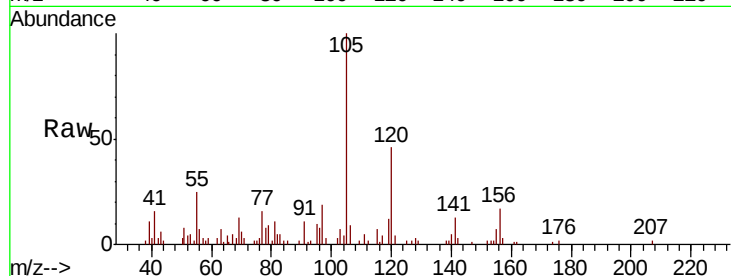




#80
 1,3,5-Trimethylbenzene
 Concen: 2.503 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW007055.D
 Acq: 26 Nov 2018 18:32

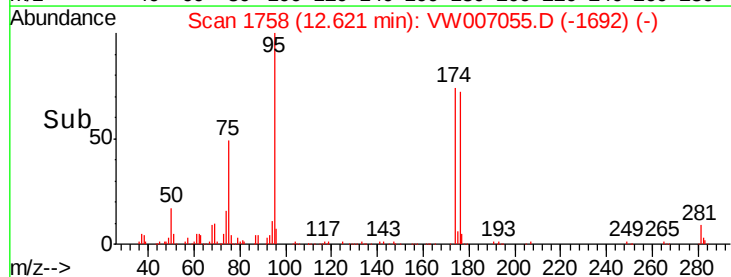
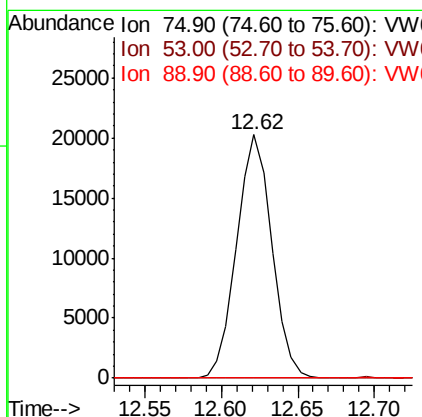
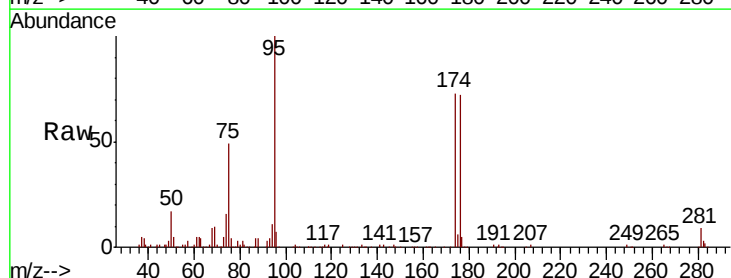
Instrument :
 MSVOA_W
 ClientSampleId :

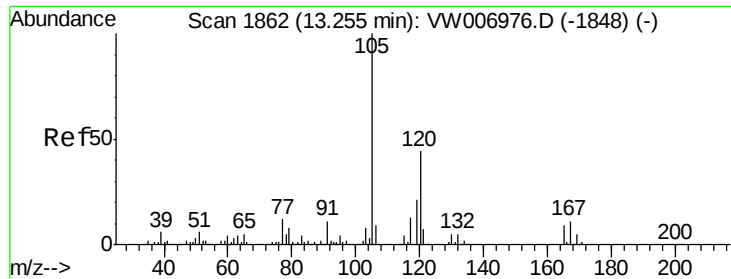
Tot Ion:105 Resp: 9759
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 177.749 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007055.D
 Acq: 26 Nov 2018 18:32

Tgt Ion: 75 Resp: 32271
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.6 116.4#
 89 0.0 39.3 58.9#

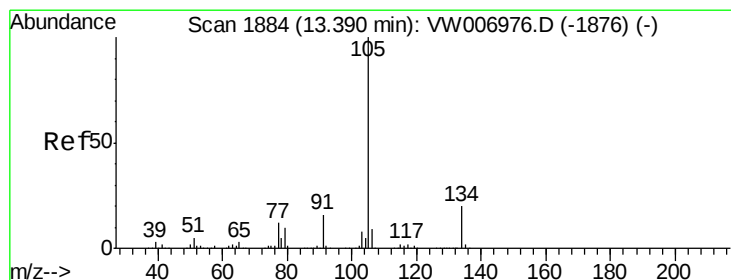
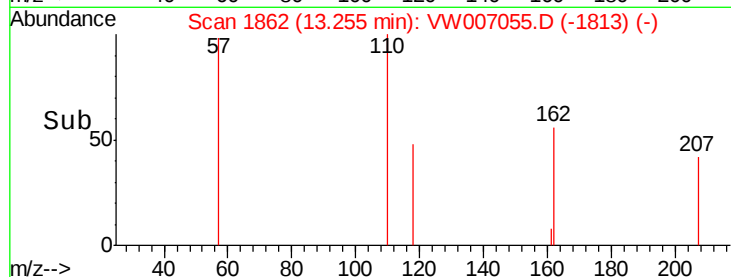
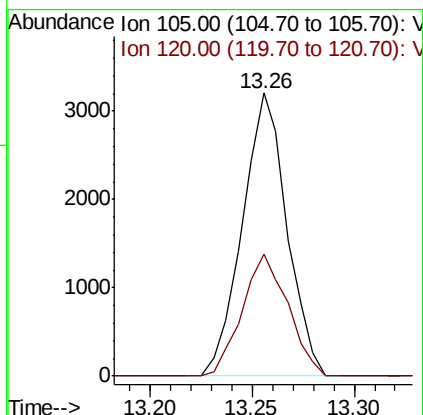
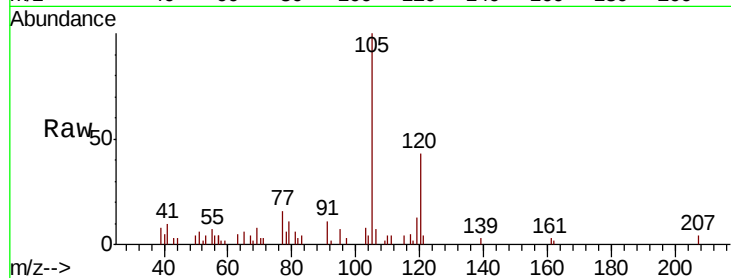




#84
1,2,4-Trimethylbenzene
Concen: 1.251 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

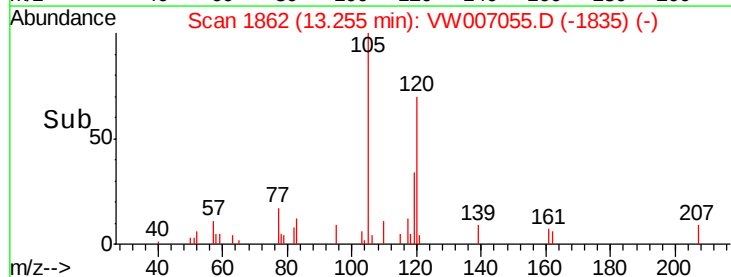
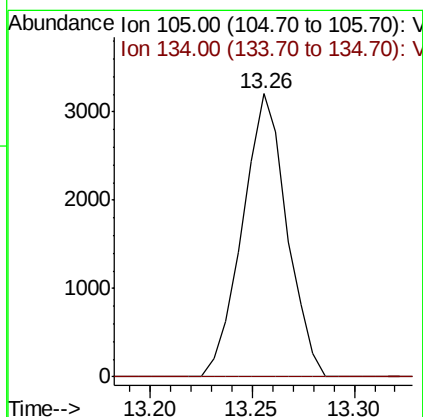
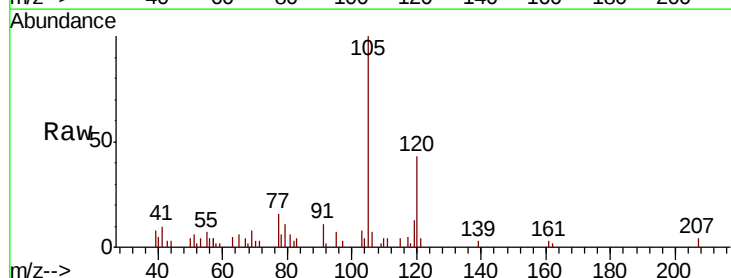
Instrument :
MSVOA_W
ClientSampleId :

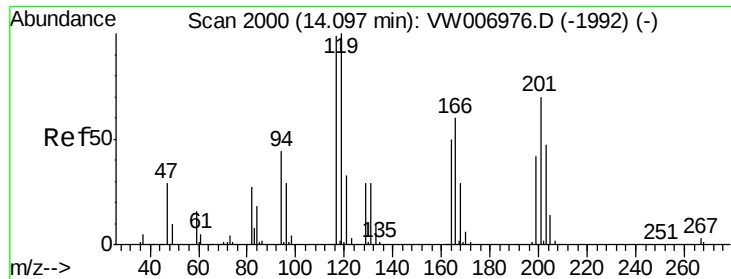
Tot Ion:105 Resp: 4859
Ion Ratio Lower Upper
105 100
120 44.2 21.8 65.3



#85
sec-Butylbenzene
Concen: 1.019 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion:105 Resp: 4859
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

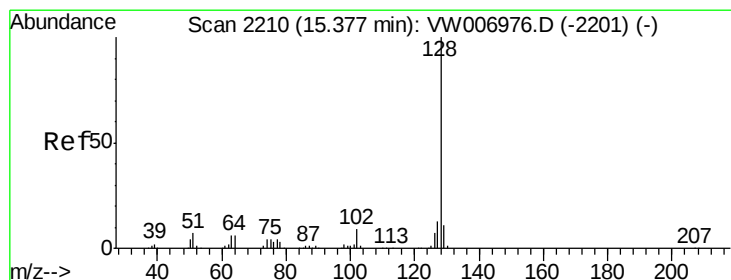
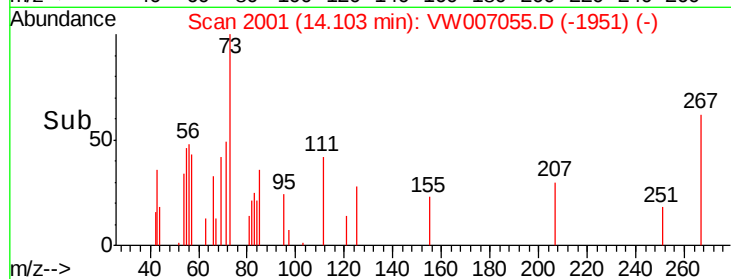
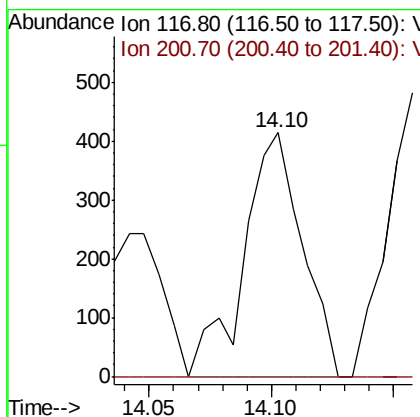
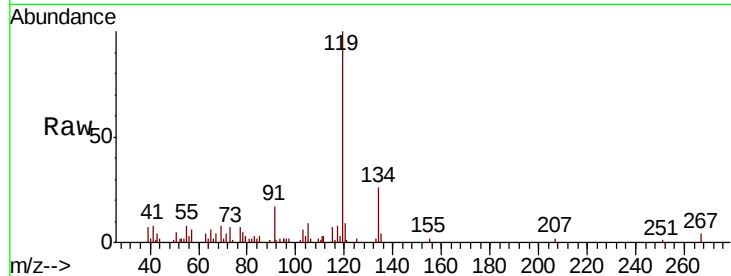




#90
Hexachloroethane
Concen: 1.124 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 690
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.5#



#95
Naphthalene
Concen: 7.640 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007055.D
Acq: 26 Nov 2018 18:32

Tgt Ion:128 Resp: 15840
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.7 8.7 13.1

