

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007050.D
 Acq On : 26 Nov 2018 16:25
 Operator : VAY/AP
 Sample : J6062-01
 Misc : 5.9G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:25:37 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

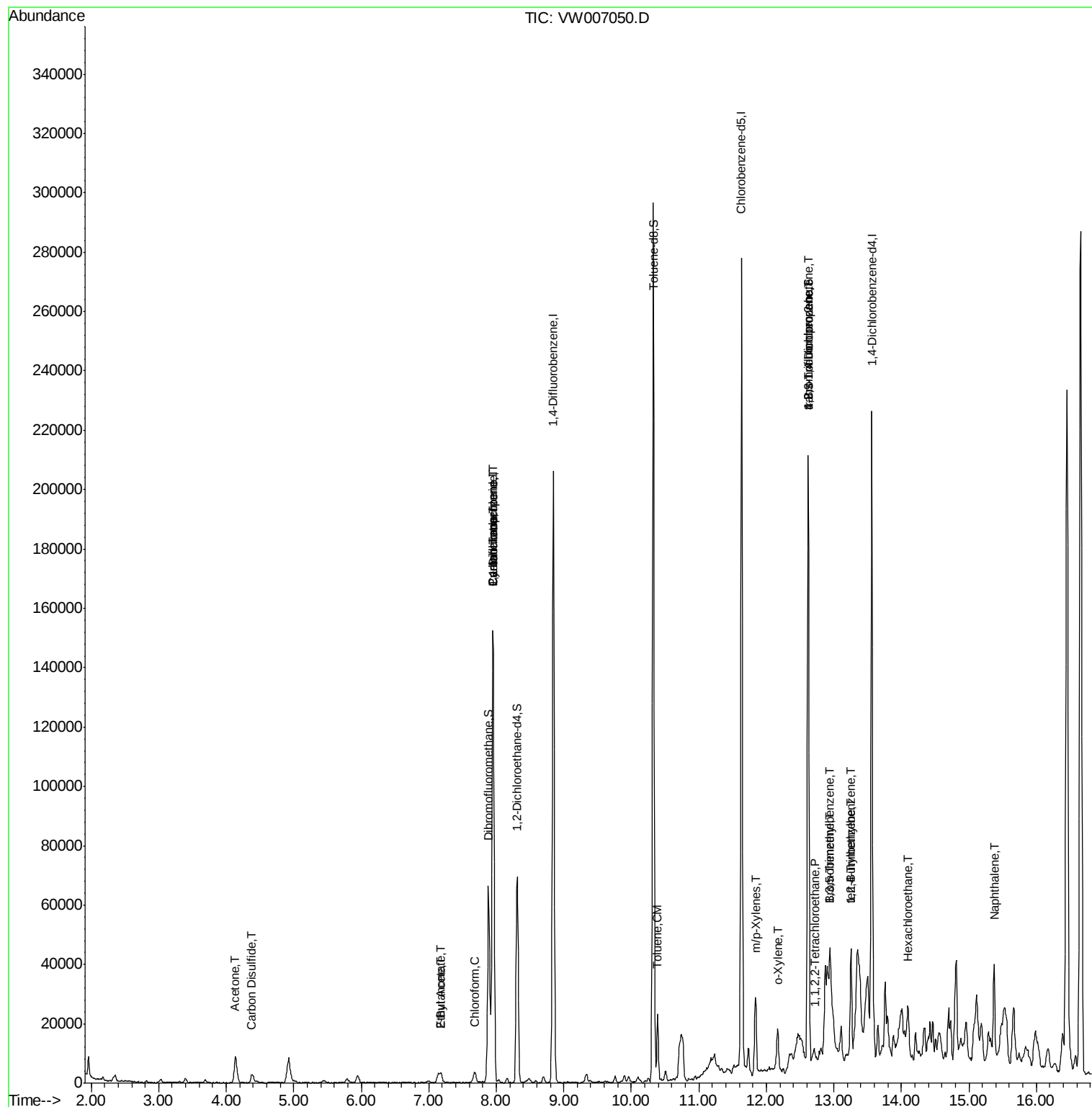
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	114945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	178917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	57729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56191	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	47993	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	10.33	98	201471	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
62) 4-Bromofluorobenzene	12.62	95	67131	38.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.46%	
Target Compounds						
					Qvalue	
16) Acetone	4.14	43	16155	98.876	ug/l	94
17) Carbon Disulfide	4.38	76	6078	1.807	ug/l	97
20) Methylene Chloride	4.93	84	6467	Below Cal		95
25) 2-Butanone	7.18	43	4911	17.550	ug/l	98
30) Chloroform	7.68	83	2389	1.101	ug/l	85
31) Cyclohexane	7.95	56	2690	1.241	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	8631	4.937	ug/l #	49
37) Ethyl Acetate	7.18	43	4911	7.751	ug/l #	69
38) Carbon Tetrachloride	7.95	117	11647	6.957	ug/l #	15
52) Toluene	10.39	92	9782	3.046	ug/l	98
68) m/p-Xylenes	11.84	106	8095	3.498	ug/l	99
69) o-Xylene	12.17	106	3988	1.827	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.72	83	605	1.013	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	32735	72.162	ug/l #	100
77) Bromobenzene	12.94	156	38613	40.070	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	6022	1.552	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.62	75	32735	181.170	ug/l #	11
83) tert-Butylbenzene	13.26	119	3711	1.105	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.26	105	20133	5.208	ug/l	97
90) Hexachloroethane	14.10	117	923	1.510	ug/l #	14
95) Naphthalene	15.38	128	27140	13.153	ug/l	95

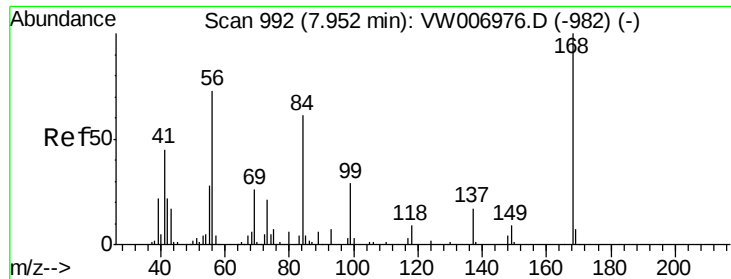
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

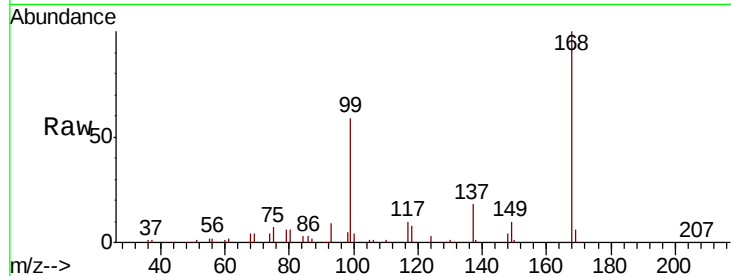
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 114945

Ion Ratio Lower Upper

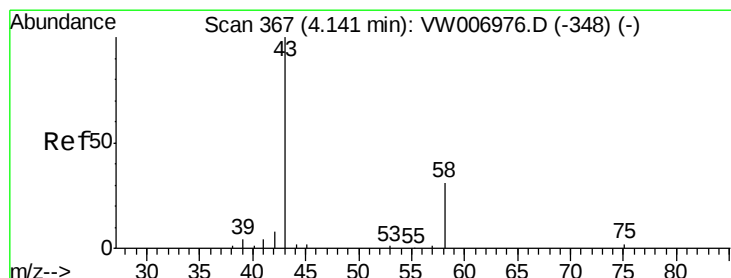
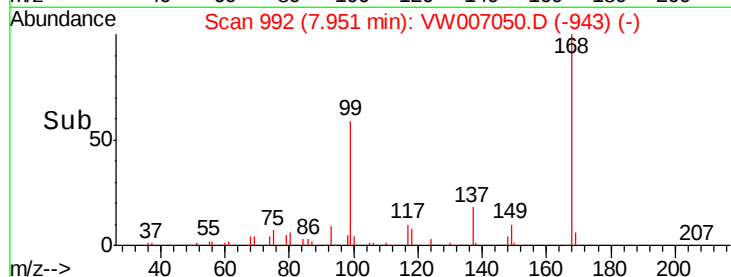
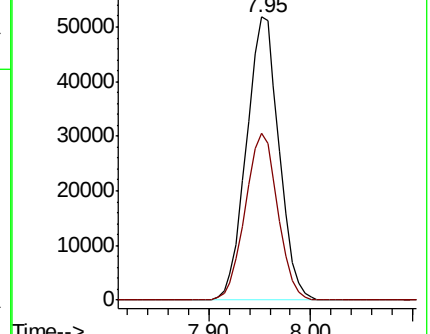
168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 98.876 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007050.D

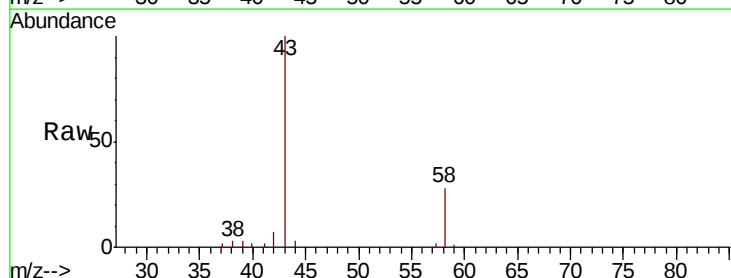
Acq: 26 Nov 2018 16:25

Tgt Ion: 43 Resp: 16155

Ion Ratio Lower Upper

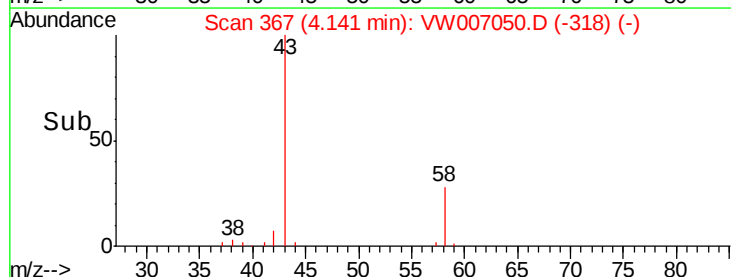
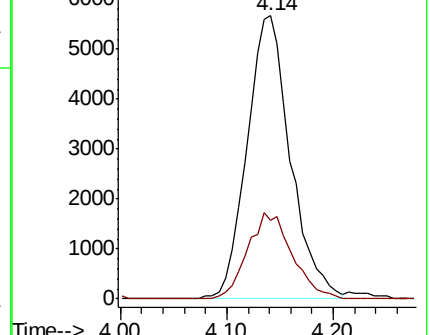
43 100

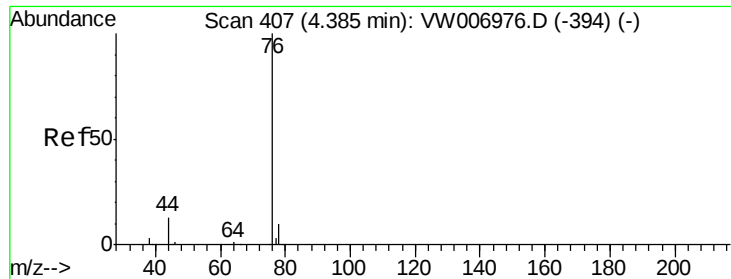
58 27.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.807 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

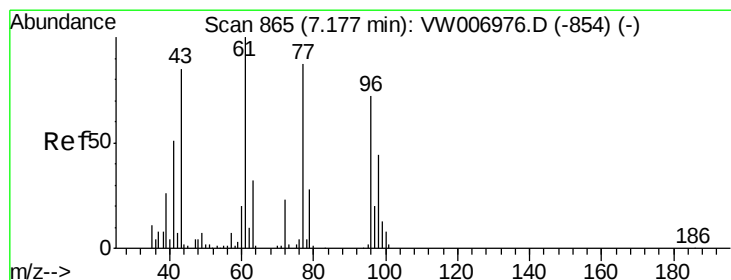
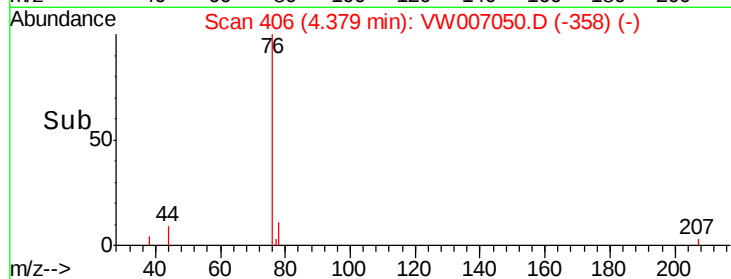
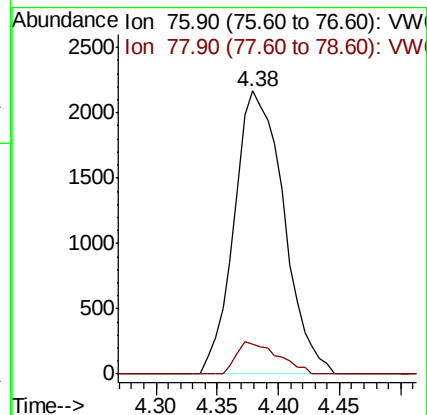
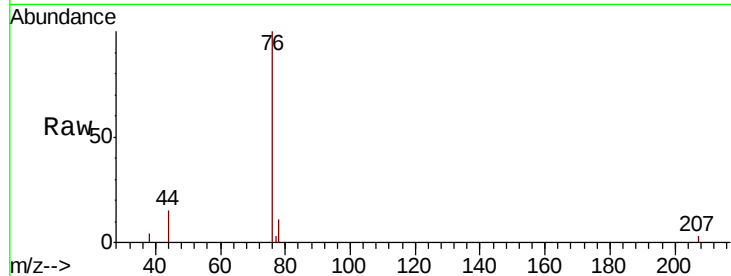
ClientSampleId :

Tot Ion: 76 Resp: 6078

Ion Ratio Lower Upper

76 100

78 10.8 7.8 11.6



#25

2-Butanone

Concen: 17.550 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007050.D

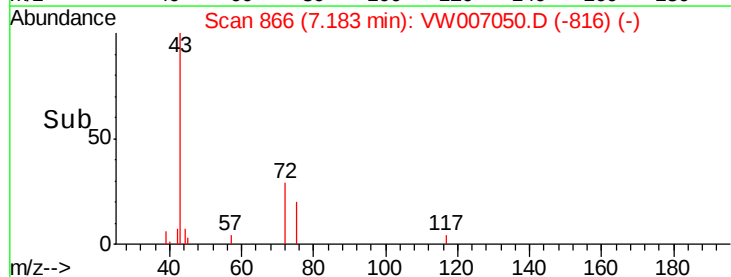
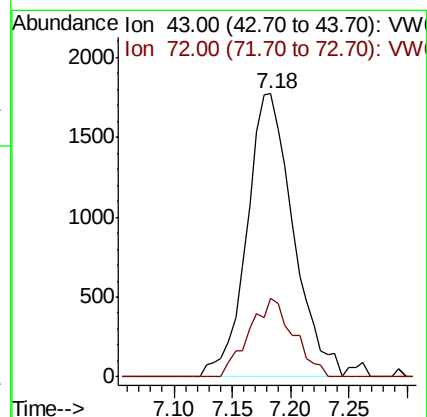
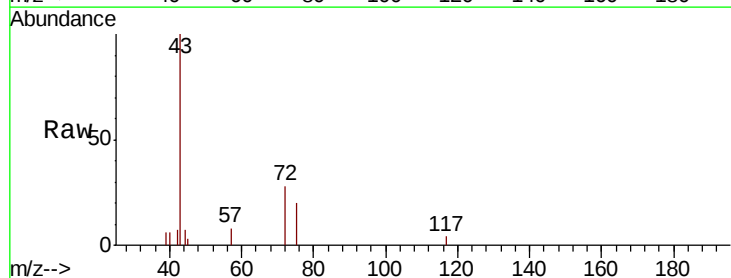
Acq: 26 Nov 2018 16:25

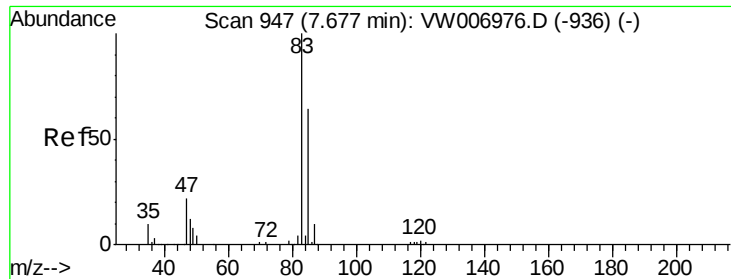
Tgt Ion: 43 Resp: 4911

Ion Ratio Lower Upper

43 100

72 27.5 21.3 31.9

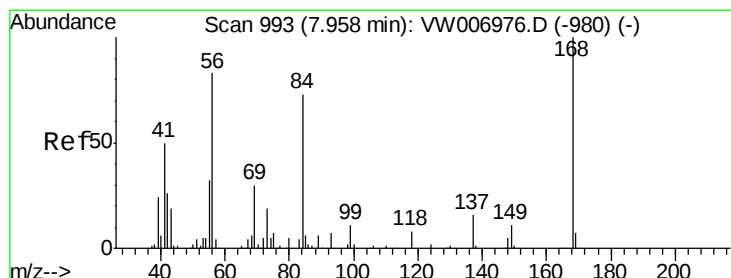
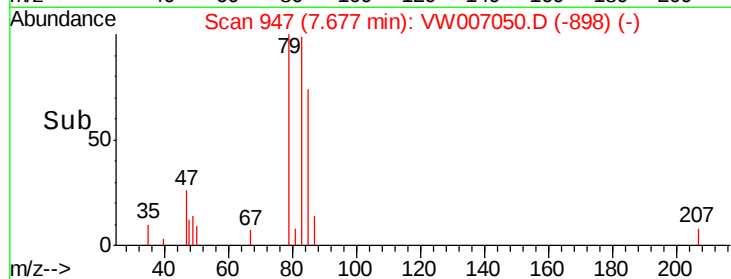
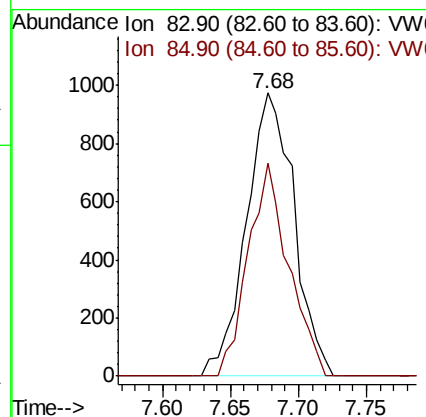
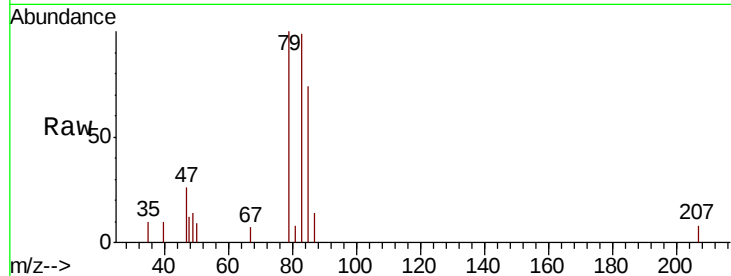




#30
Chloroform
Concen: 1.101 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

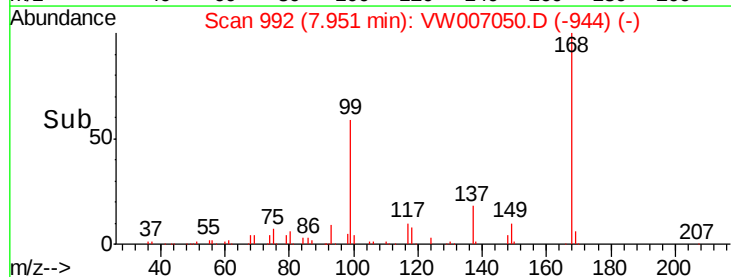
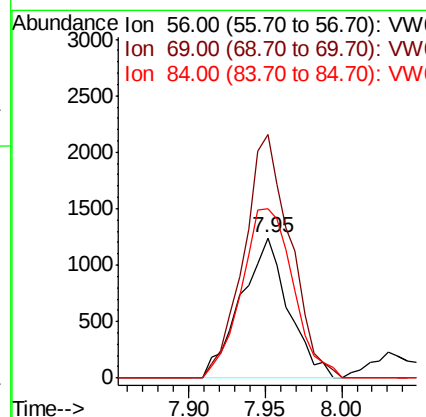
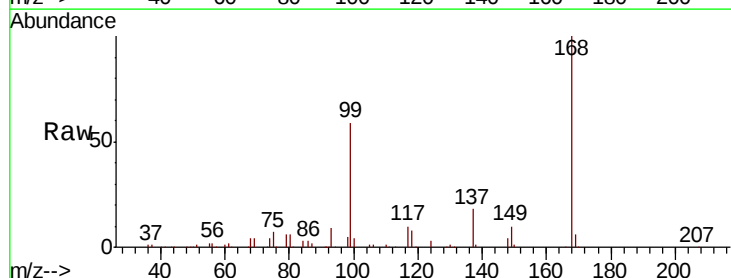
Instrument :
MSVOA_W
ClientSampled :

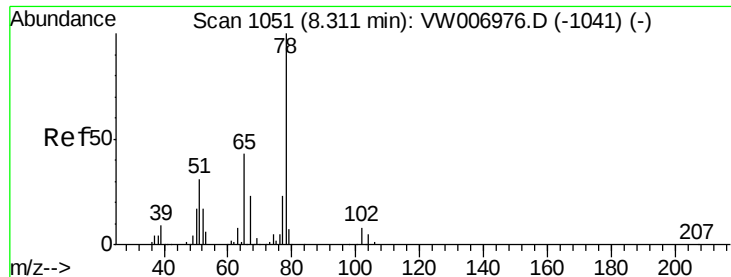
Tot Ion: 83 Resp: 2389
Ion Ratio Lower Upper
83 100
85 75.1 50.9 76.3



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

Tgt Ion: 56 Resp: 2690
Ion Ratio Lower Upper
56 100
69 173.7 29.1 43.7#
84 121.3 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 49.933 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

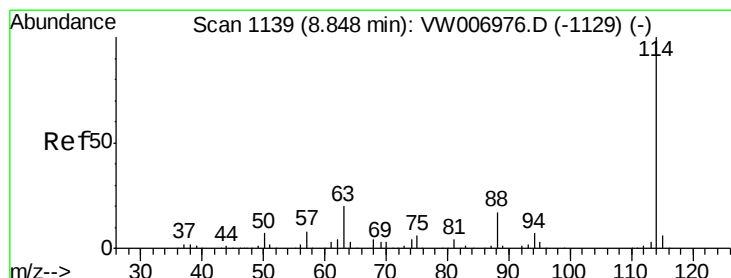
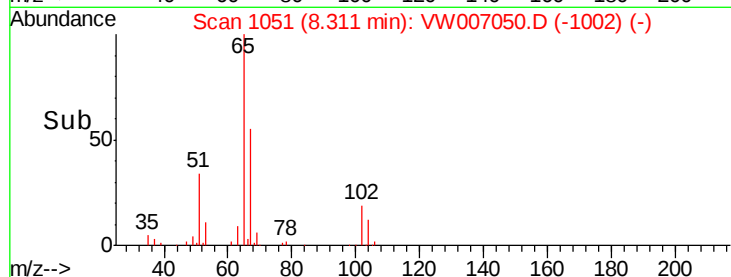
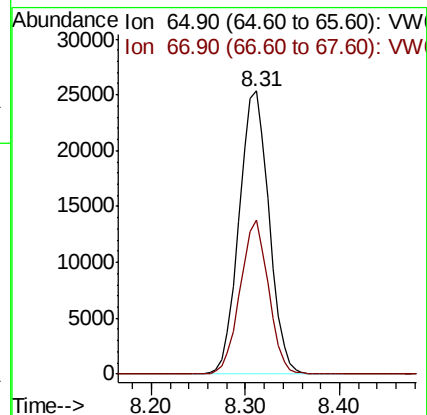
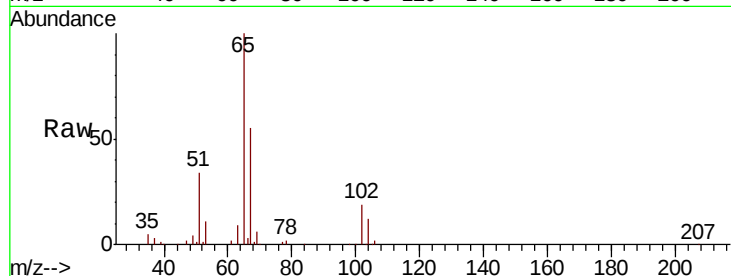
ClientSampleId :

Tot Ion: 65 Resp: 56191

Ion Ratio Lower Upper

65 100

67 51.7 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: VW007050.D

Acq: 26 Nov 2018 16:25

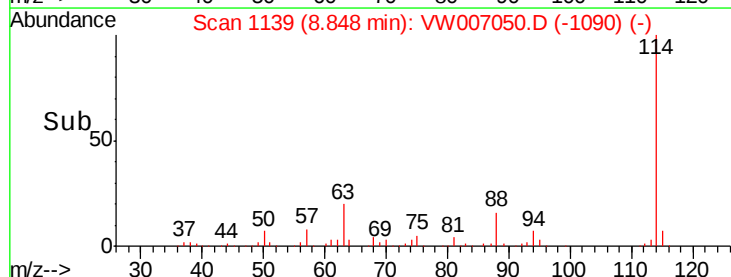
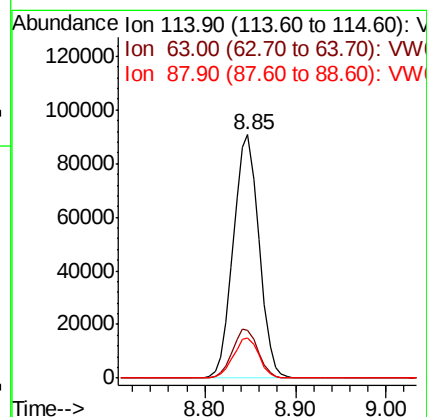
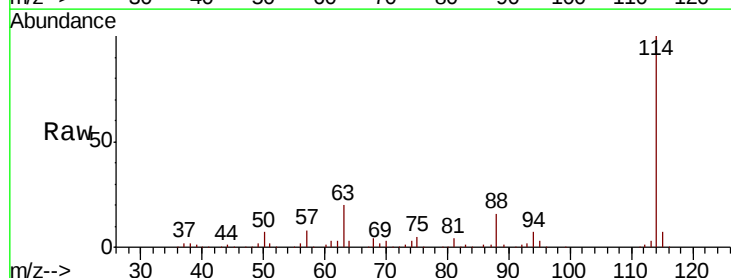
Tgt Ion: 114 Resp: 178917

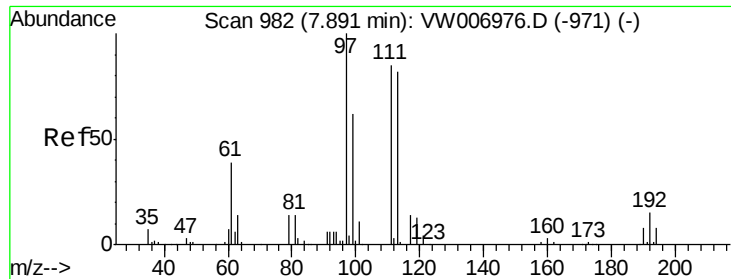
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

88 16.4 0.0 34.2

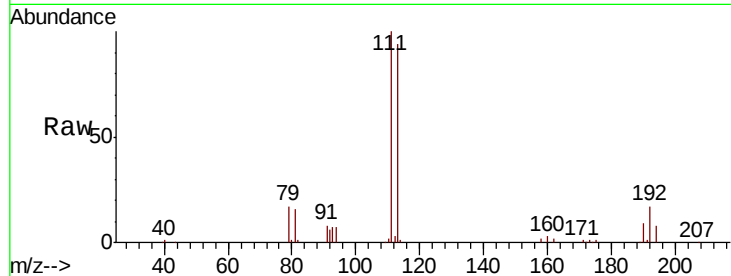




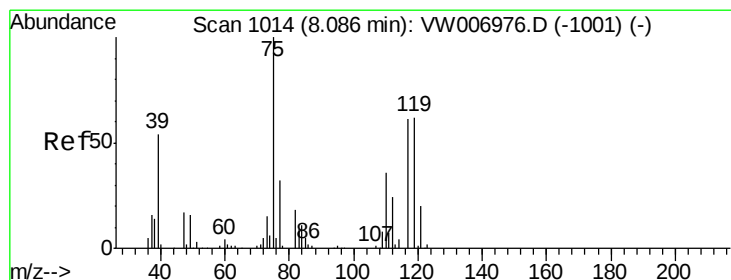
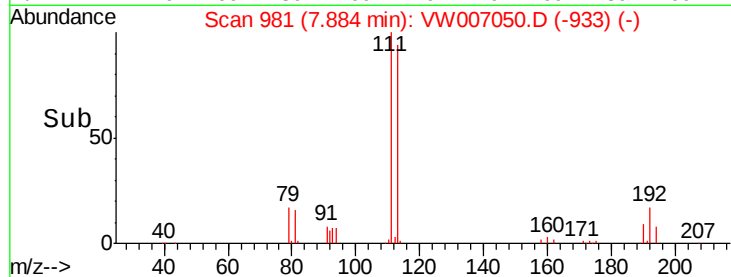
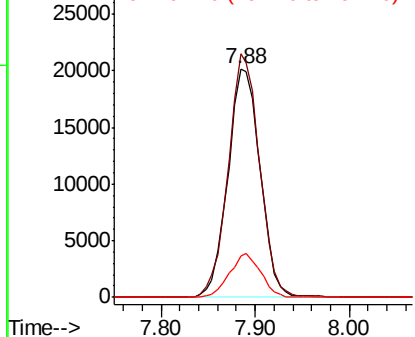
#35
 Dibromofluoromethane
 Concen: 47.499 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 47993
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 18.6 15.0 22.6

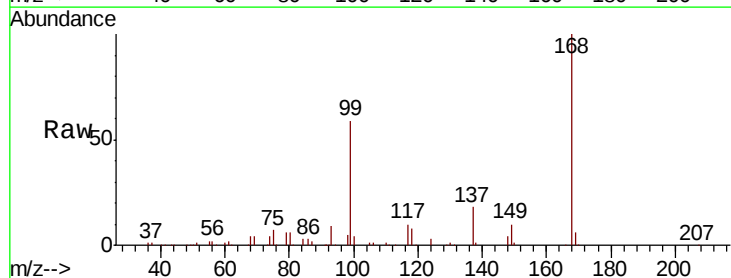


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

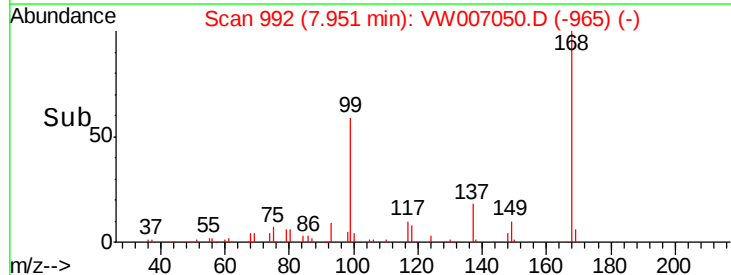
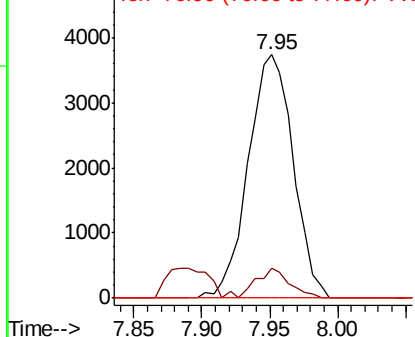


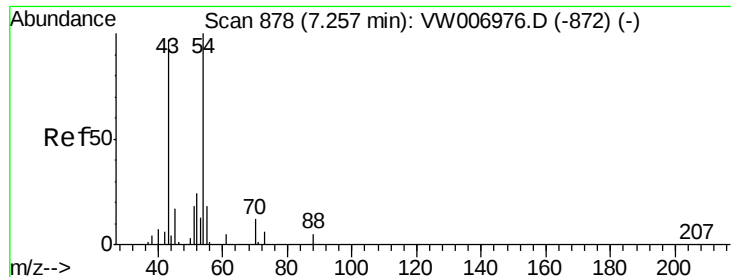
#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

Tgt Ion: 75 Resp: 8631
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.0 54.0#
 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





#37

Ethyl Acetate

Concen: 7.751 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

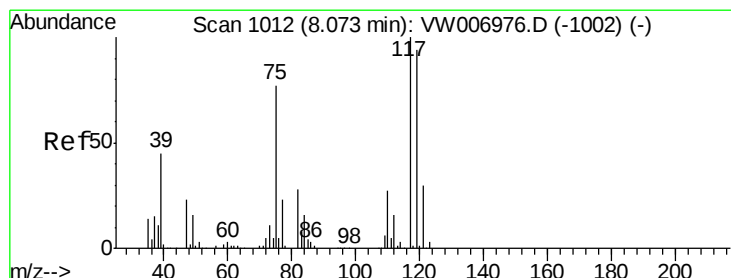
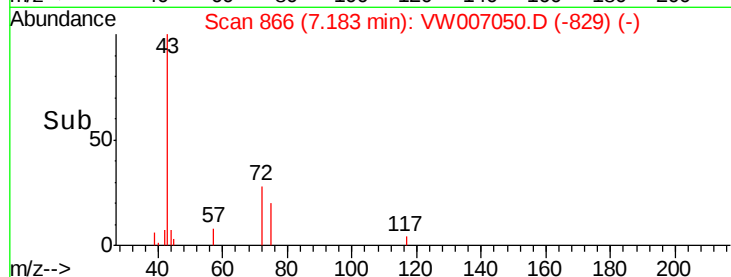
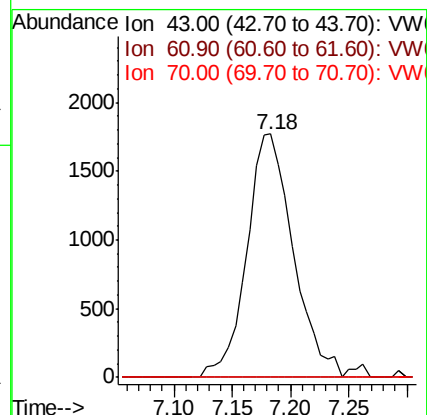
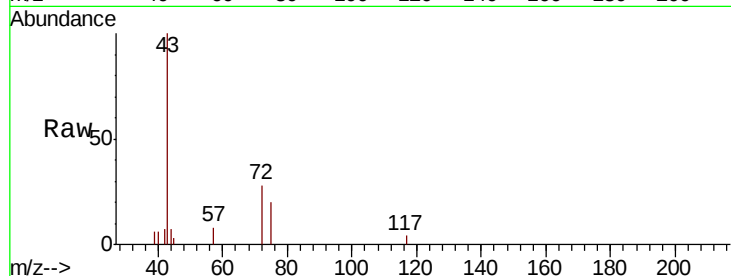
Tot Ion: 43 Resp: 4911

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 6.957 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

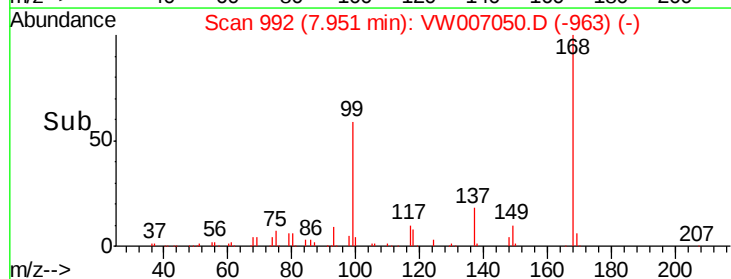
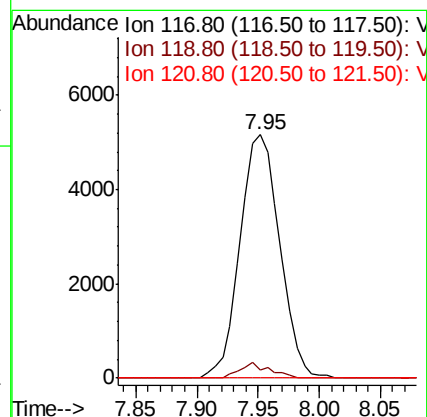
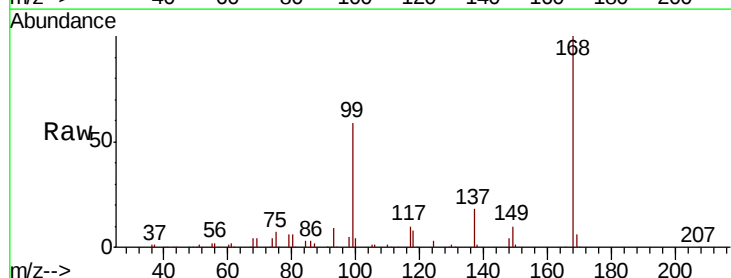
Tgt Ion: 117 Resp: 11647

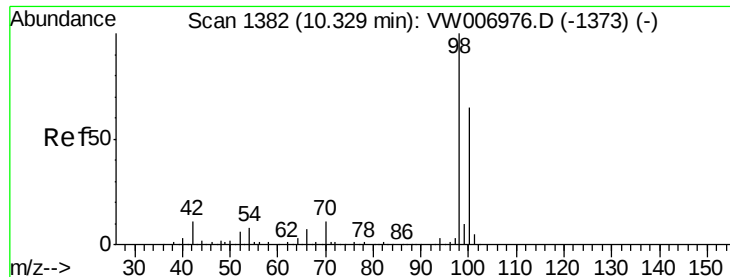
Ion Ratio Lower Upper

117 100

119 3.2 74.9 112.3#

121 0.0 23.6 35.4#





#50

Toluene-d8

Concen: 45.155 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

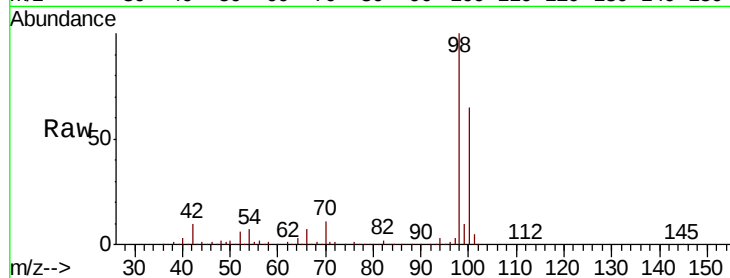
ClientSampleId :

Tot Ion: 98 Resp: 201471

Ion Ratio Lower Upper

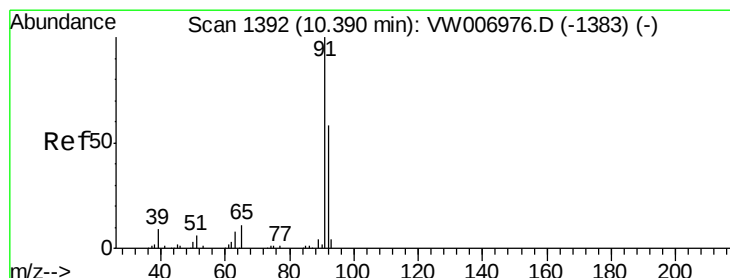
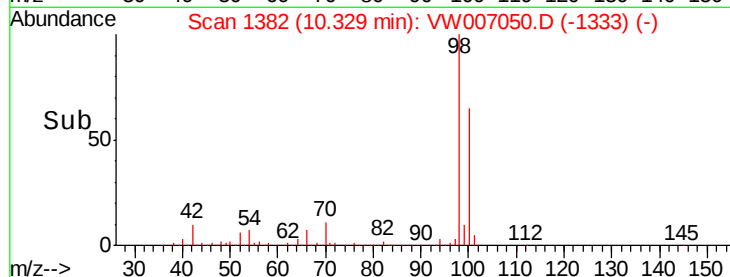
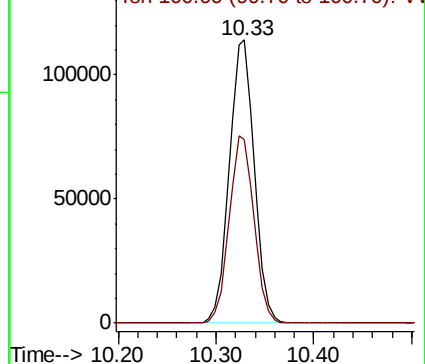
98 100

100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 3.046 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007050.D

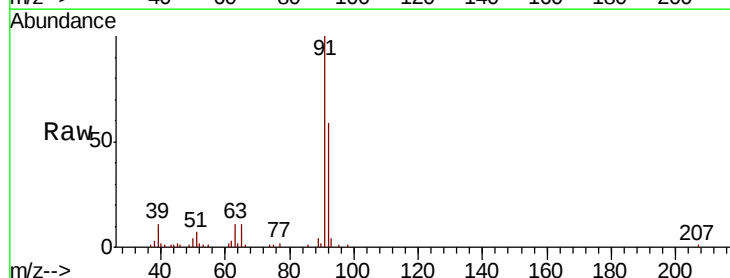
Acq: 26 Nov 2018 16:25

Tgt Ion: 92 Resp: 9782

Ion Ratio Lower Upper

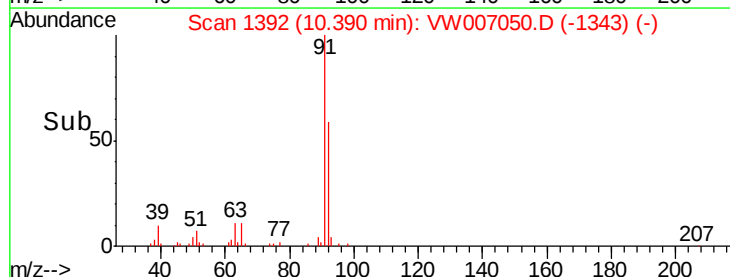
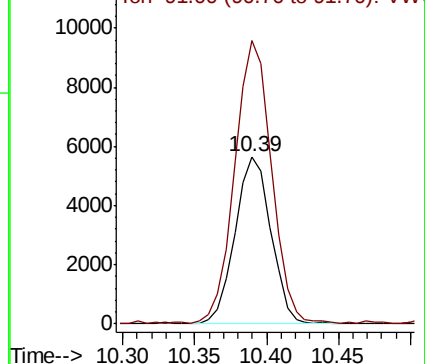
92 100

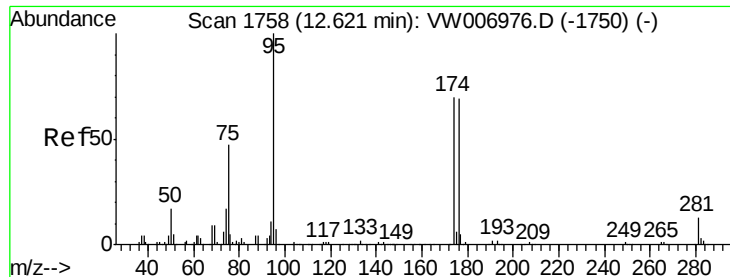
91 174.9 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

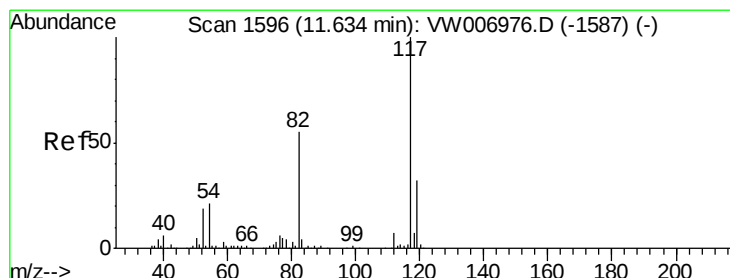
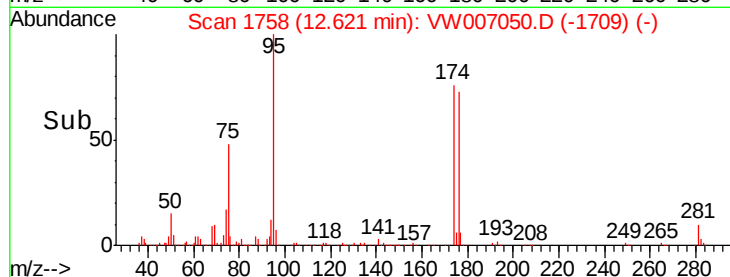
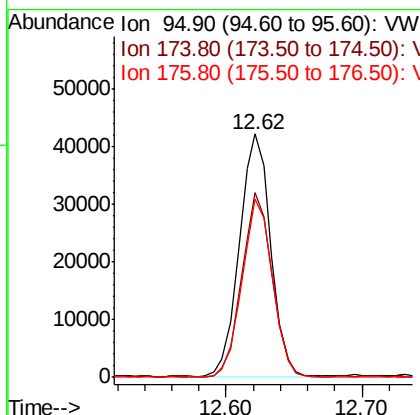
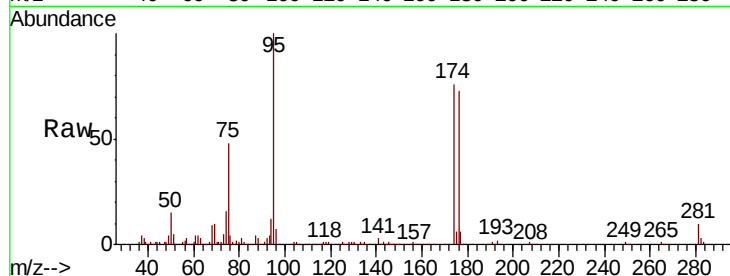




#62
4-Bromofluorobenzene
Concen: 38.235 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

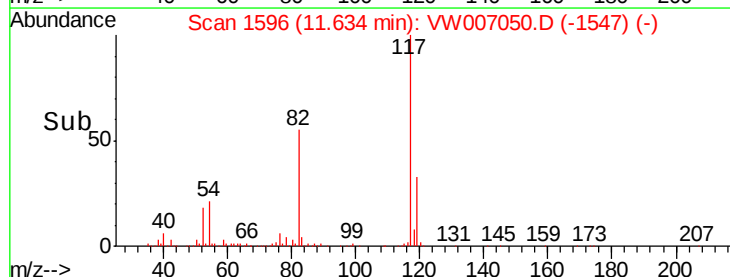
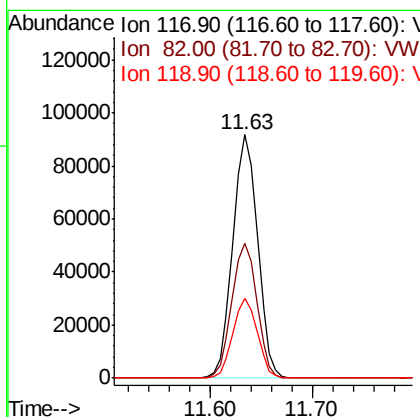
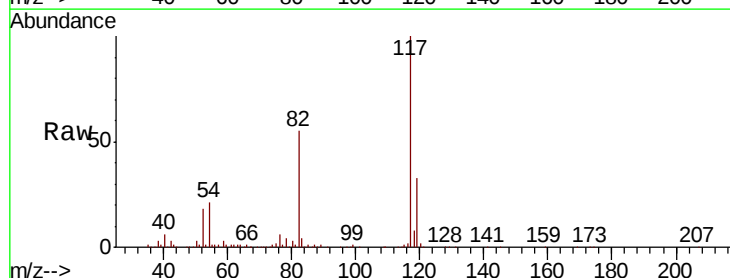
Instrument :
MSVOA_W
ClientSampled :

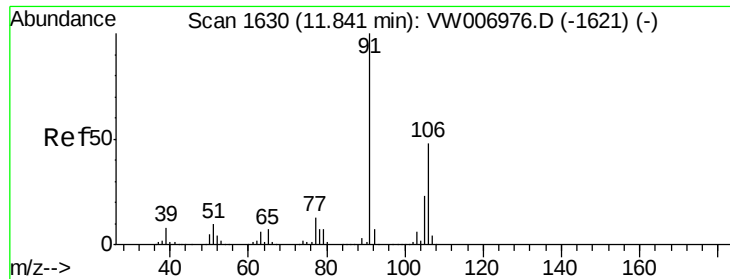
Tot Ion: 95 Resp: 67131
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.6
176 72.0 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

Tgt Ion: 117 Resp: 153859
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.4 25.9 38.9

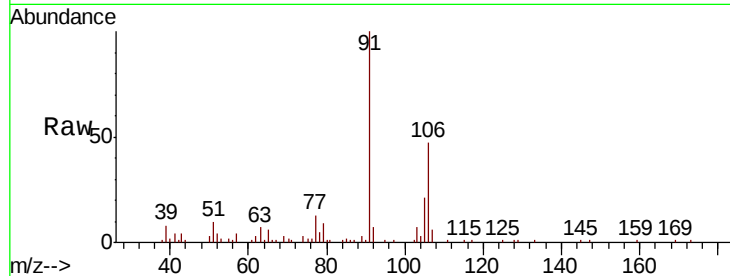




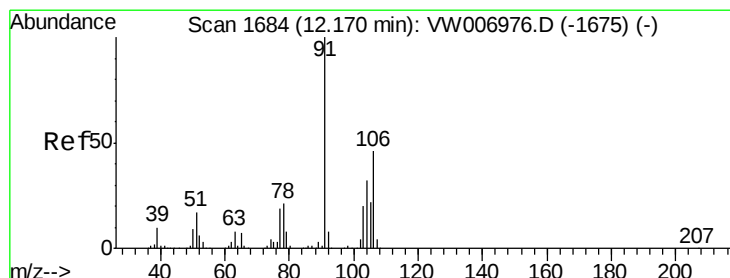
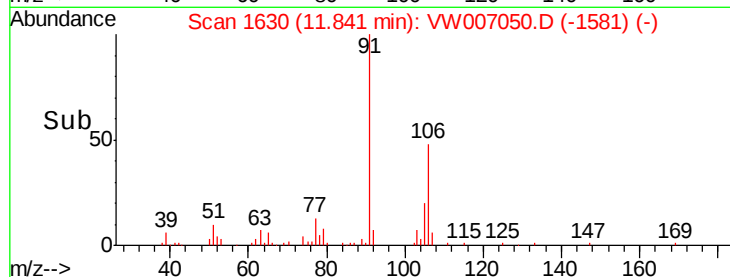
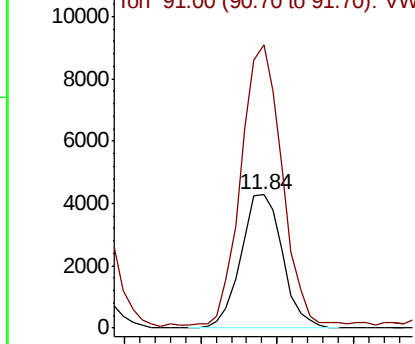
#68
m/p-Xylenes
Concen: 3.498 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 8095
Ion Ratio Lower Upper
106 100
91 204.2 164.8 247.2

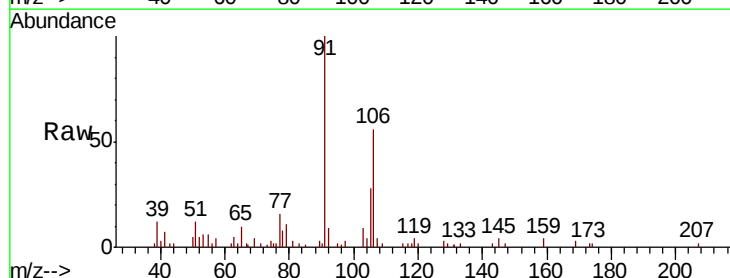


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

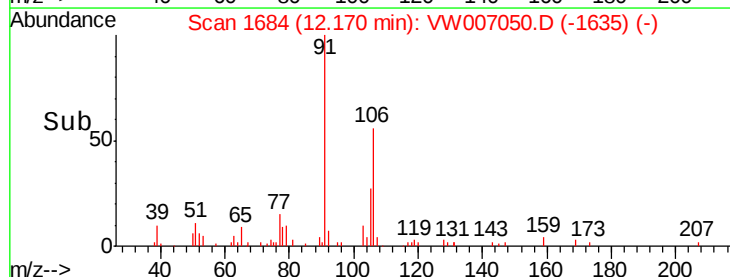
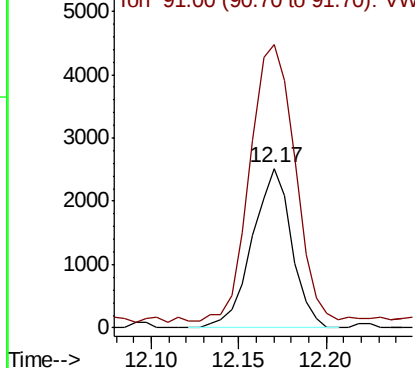


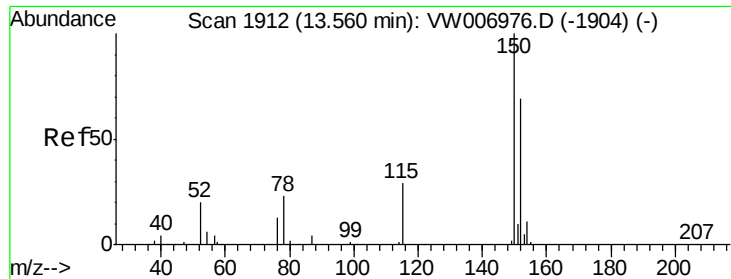
#69
o-Xylene
Concen: 1.827 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007050.D
Acq: 26 Nov 2018 16:25

Tgt Ion:106 Resp: 3988
Ion Ratio Lower Upper
106 100
91 199.3 107.9 323.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

ClientSampleId :

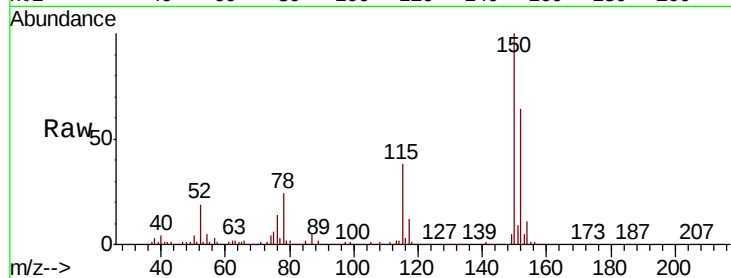
Tot Ion:152 Resp: 57729

Ion Ratio Lower Upper

152 100

115 62.5 31.4 94.2

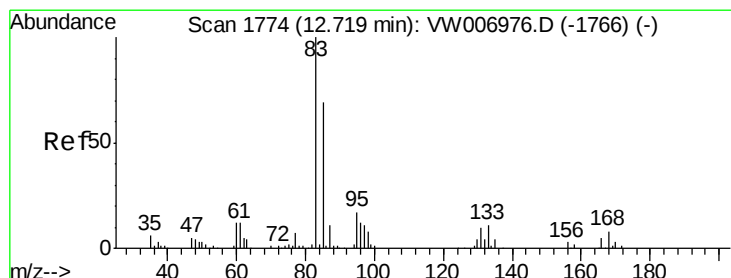
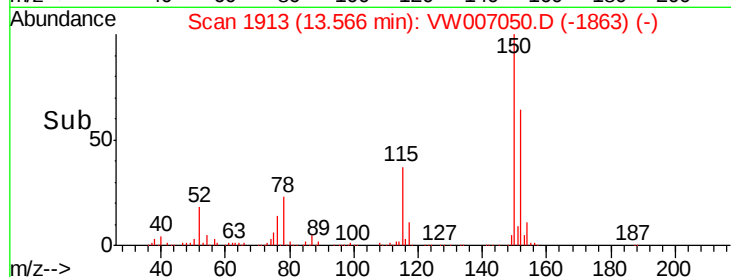
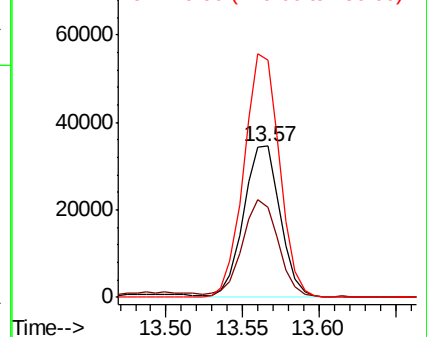
150 155.5 0.0 353.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.013 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

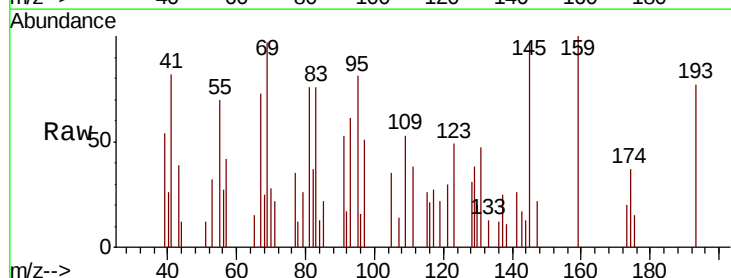
Tgt Ion: 83 Resp: 605

Ion Ratio Lower Upper

83 100

131 12.1 5.7 17.1

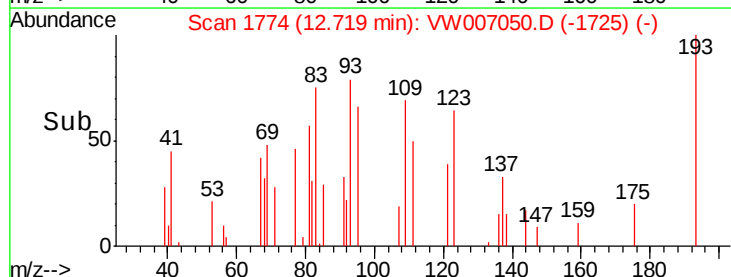
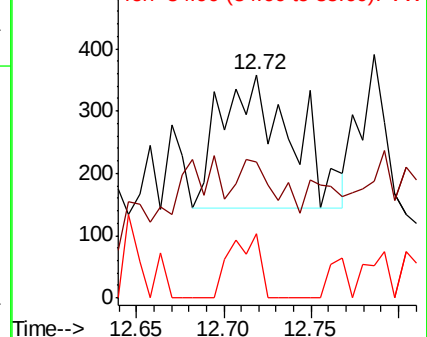
85 19.8 33.1 99.2#

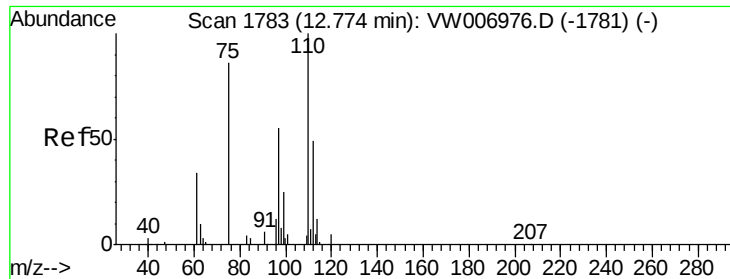


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

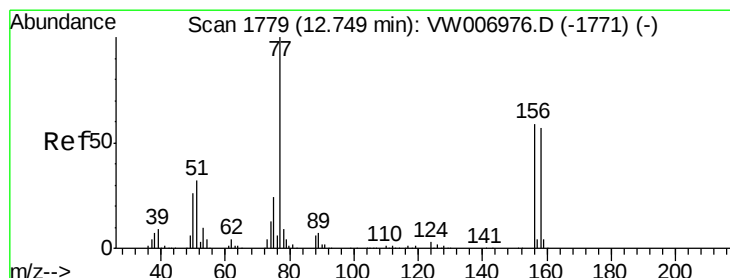
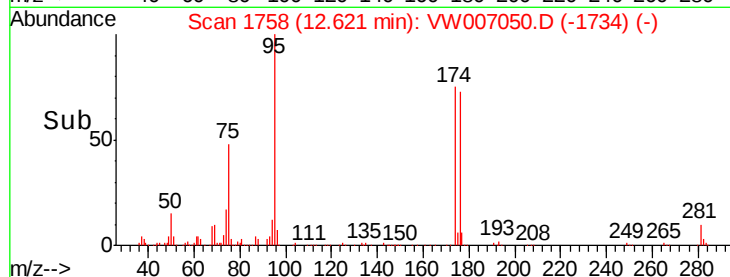
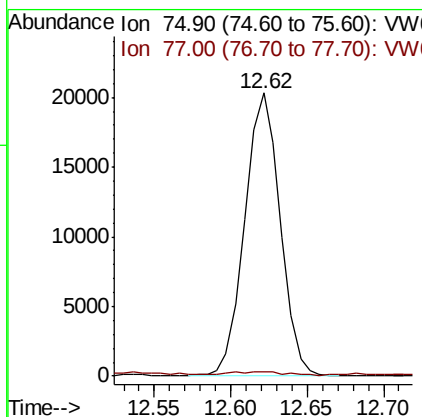
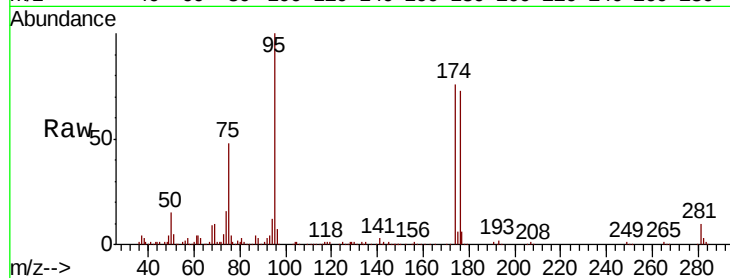




#76
 1,2,3-Trichloropropane
 Concen: 72.162 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

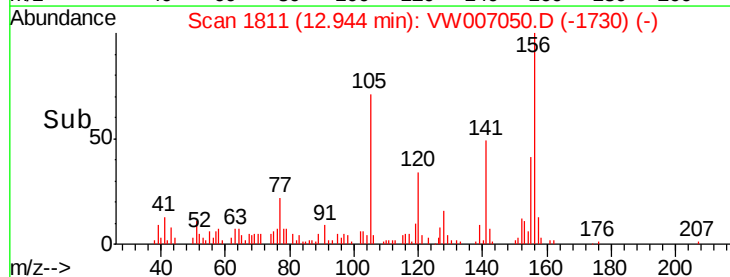
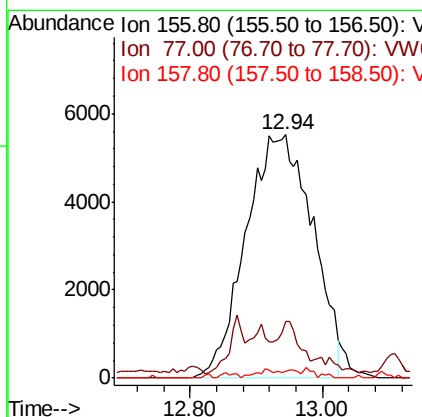
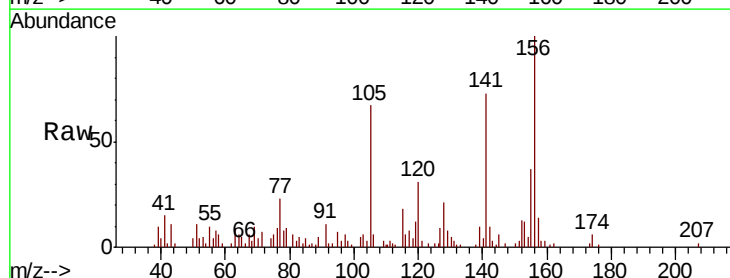
Instrument :
 MSVOA_W
 ClientSampled :

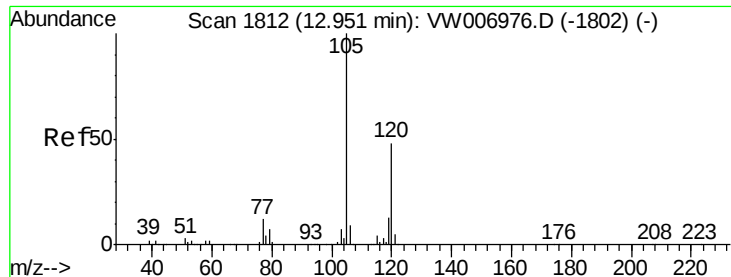
Tot Ion: 75 Resp: 32735
 Ion Ratio Lower Upper
 75 100
 77 2.9 0.0 0.0#



#77
 Bromobenzene
 Concen: 40.070 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.19 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

Tgt Ion: 156 Resp: 38613
 Ion Ratio Lower Upper
 156 100
 77 4.6 94.6 283.8#
 158 0.7 48.9 146.7#

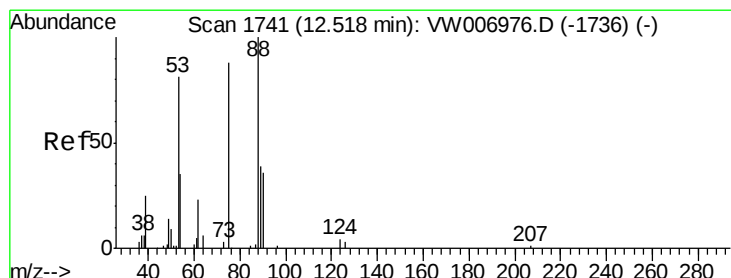
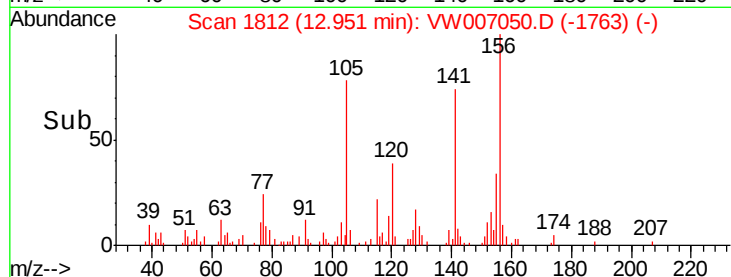
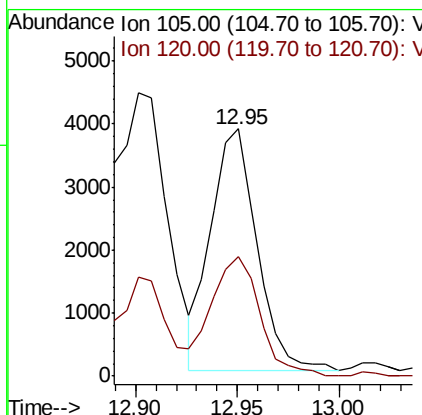
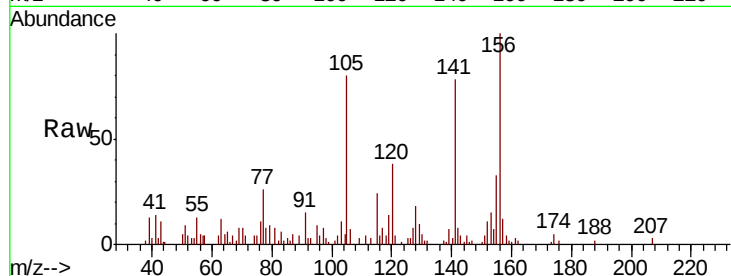




#80
 1,3,5-Trimethylbenzene
 Concen: 1.552 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

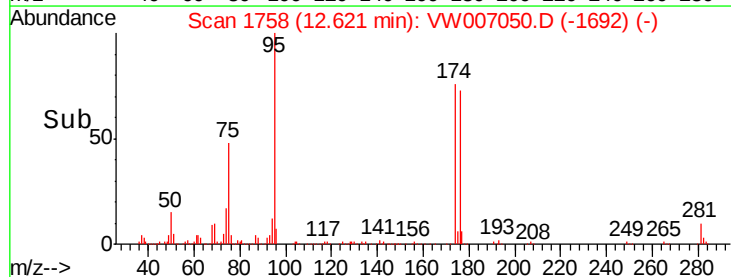
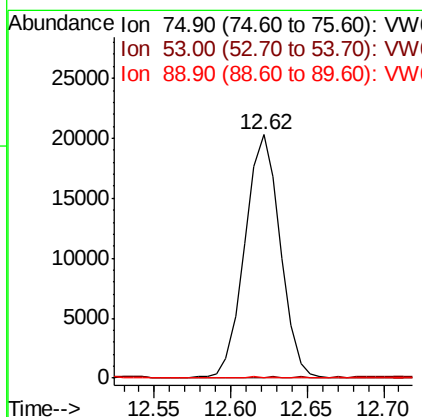
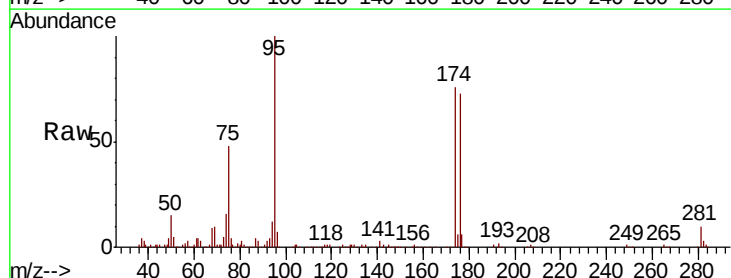
Instrument :
 MSVOA_W
 ClientSampleId :

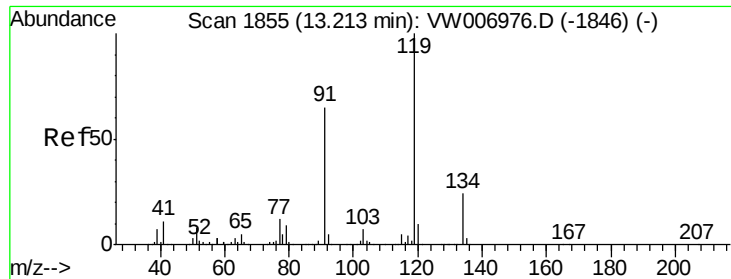
Tot Ion:105 Resp: 6022
 Ion Ratio Lower Upper
 105 100
 120 51.7 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.170 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007050.D
 Acq: 26 Nov 2018 16:25

Tgt Ion: 75 Resp: 32735
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.4 39.3 58.9#





#83

tert-Butylbenzene

Concen: 1.105 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.04 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

ClientSampled :

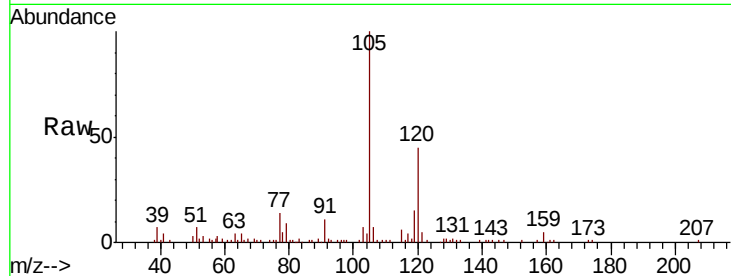
Tot Ion:119 Resp: 3711

Ion Ratio Lower Upper

119 100

91 59.6 33.5 100.5

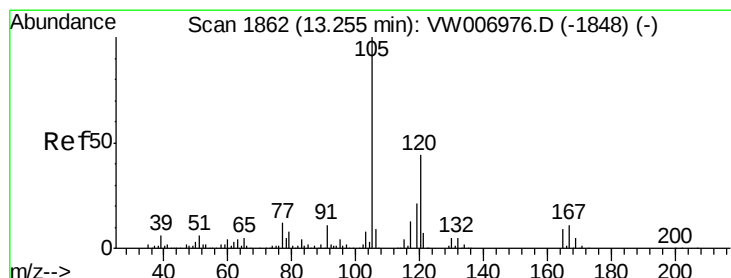
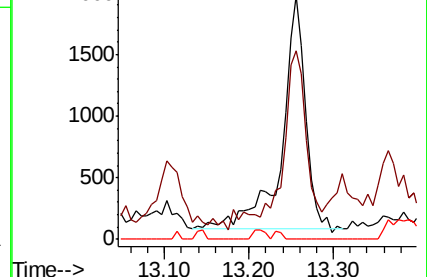
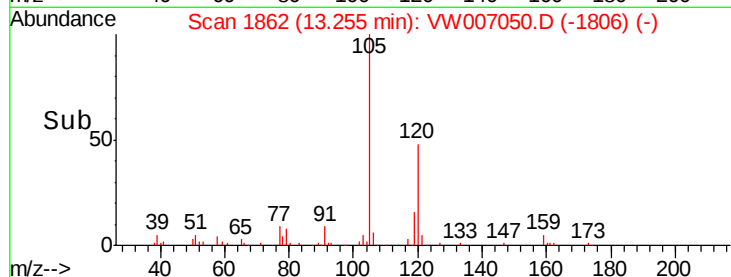
134 0.0 12.6 37.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.208 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007050.D

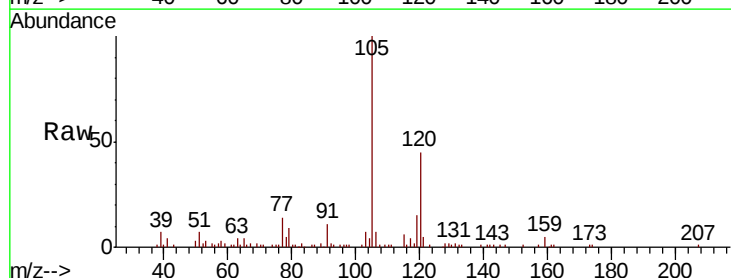
Acq: 26 Nov 2018 16:25

Tgt Ion:105 Resp: 20133

Ion Ratio Lower Upper

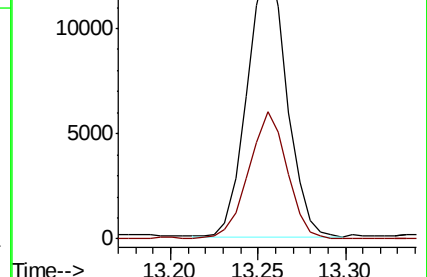
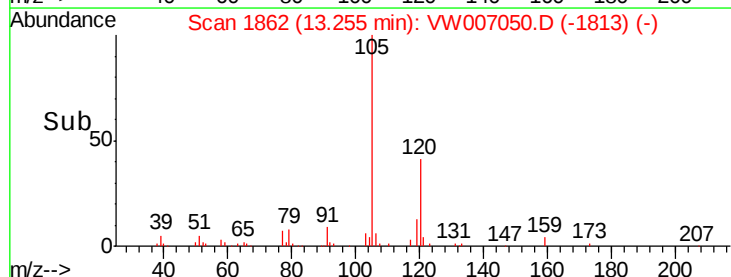
105 100

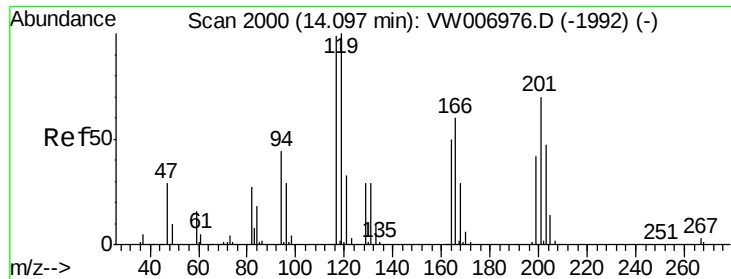
120 45.7 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.510 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Instrument :

MSVOA_W

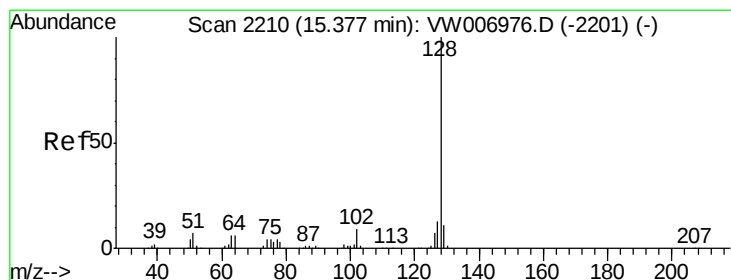
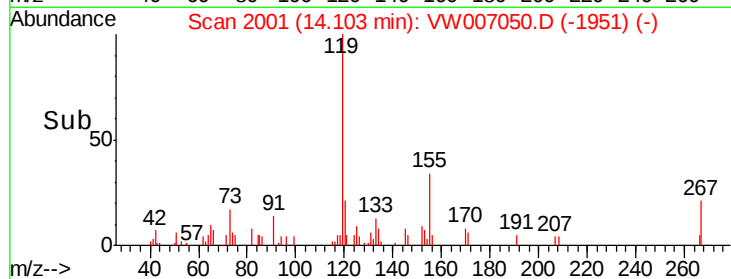
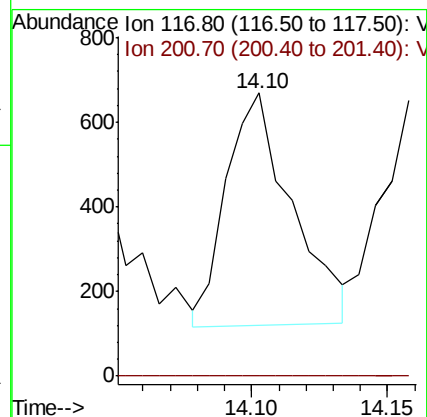
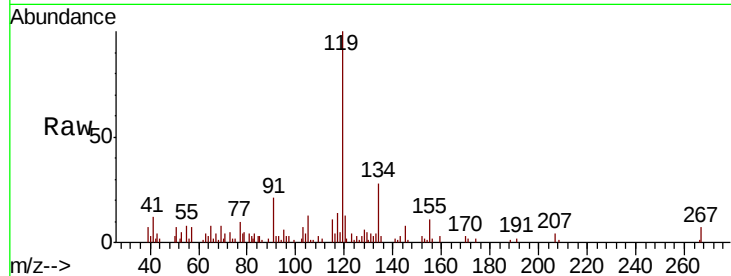
ClientSampleId :

Tot Ion:117 Resp: 923

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.5#



#95

Naphthalene

Concen: 13.153 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007050.D

Acq: 26 Nov 2018 16:25

Tgt Ion:128 Resp: 27140

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

129 13.0 8.7 13.1

