

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004349.D
 Acq On : 30 Jul 2018 08:27
 Operator : SY/AP
 Sample : J4109-08
 Misc : 11.56G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 08:55:45 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	6255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	8973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	5047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	2658	42.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.26%	
35) Dibromofluoromethane	7.89	113	2347	41.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.78%	
50) Toluene-d8	10.33	98	8236	36.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.50%	
62) 4-Bromofluorobenzene	12.63	95	1809	22.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.86%	

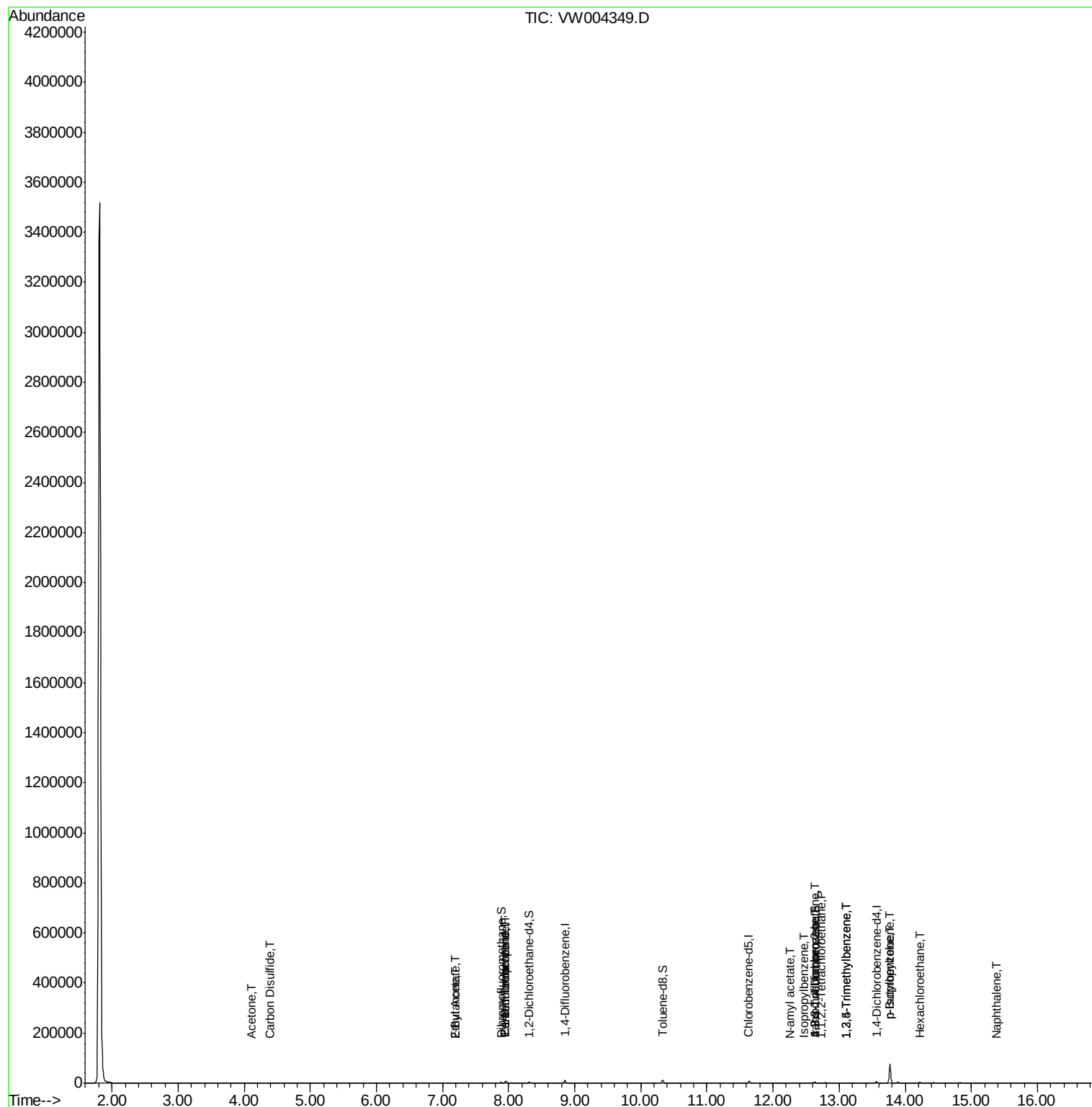
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1250	87.996	ug/l #	84
17) Carbon Disulfide	4.39	76	101	1.073	ug/l #	75
20) Methylene Chloride	4.92	84	41	Below Cal	#	6
25) 2-Butanone	7.20	43	84	4.794	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	469	5.225	ug/l #	42
37) Ethyl Acetate	7.20	43	84	2.284	ug/l #	69
38) Carbon Tetrachloride	7.96	117	698	7.875	ug/l #	10
73) Isopropylbenzene	12.47	105	369	2.681	ug/l #	72
74) N-amyl acetate	12.26	43	24	2.576	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.73	83	44	1.825	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	893	49.293	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.11	105	358	3.019	ug/l #	63
81) trans-1,4-Dichloro-2-buten	12.62	75	893	114.699	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.11	105	358	2.960	ug/l	68
86) p-Isopropyltoluene	13.77	119	1790	13.813	ug/l #	1
89) n-Butylbenzene	13.77	91	5884	48.623	ug/l #	44
90) Hexachloroethane	14.21	117	1534	66.369	ug/l #	8
95) Naphthalene	15.38	128	290	4.029	ug/l #	69

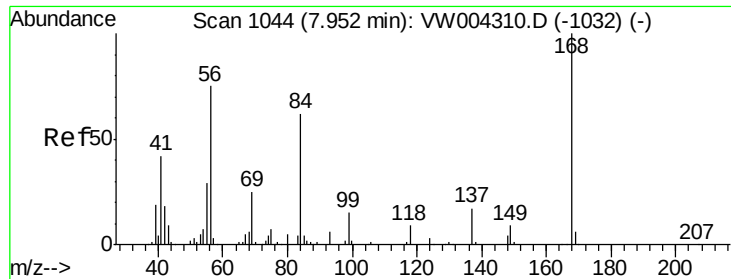
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

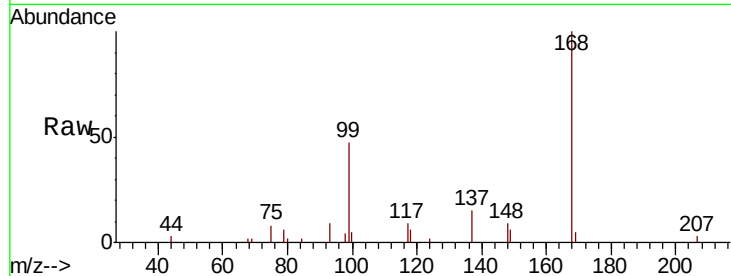
ClientSampleId :

Tot Ion:168 Resp: 6255

Ion Ratio Lower Upper

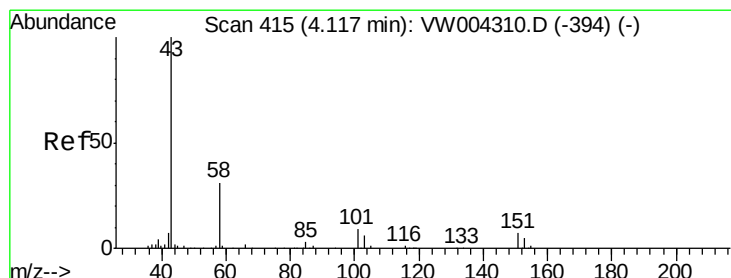
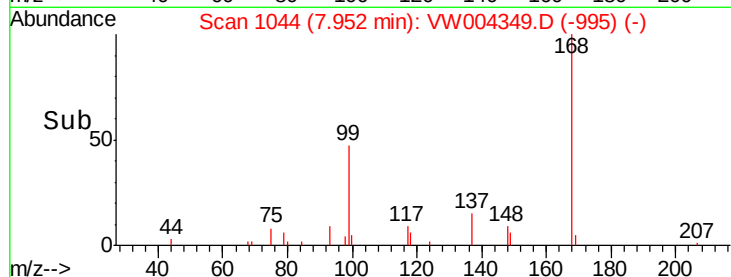
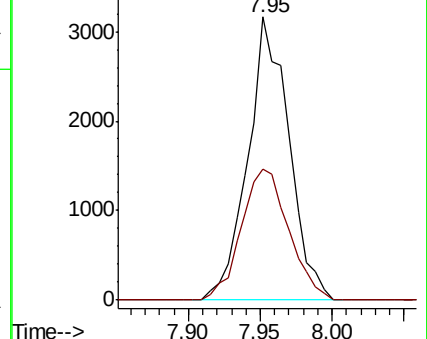
168 100

99 46.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 87.996 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004349.D

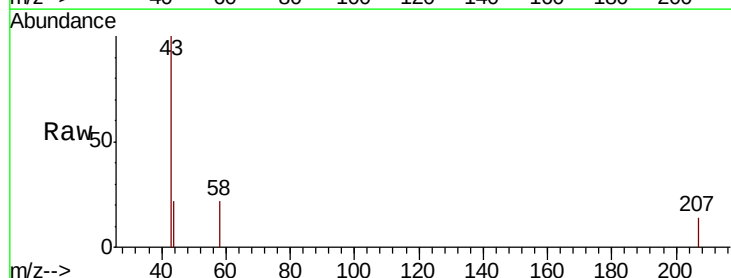
Acq: 30 Jul 2018 08:27

Tgt Ion: 43 Resp: 1250

Ion Ratio Lower Upper

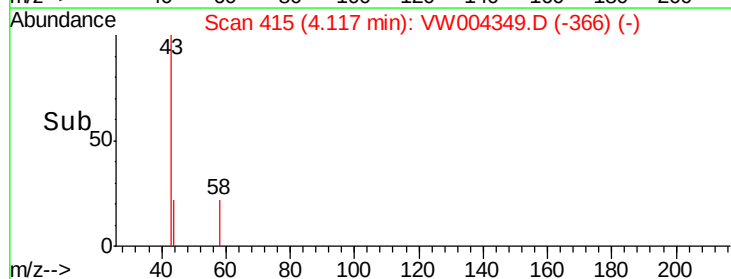
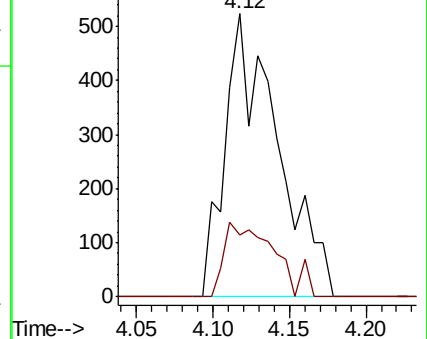
43 100

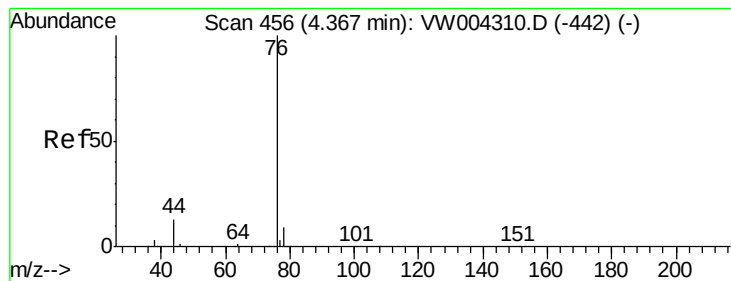
58 22.0 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.073 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.02 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

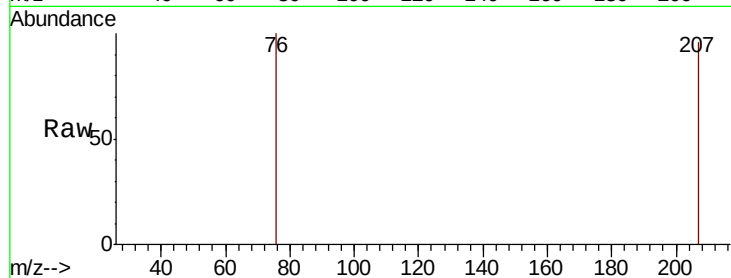
ClientSampleId :

Tot Ion: 76 Resp: 101

Ion Ratio Lower Upper

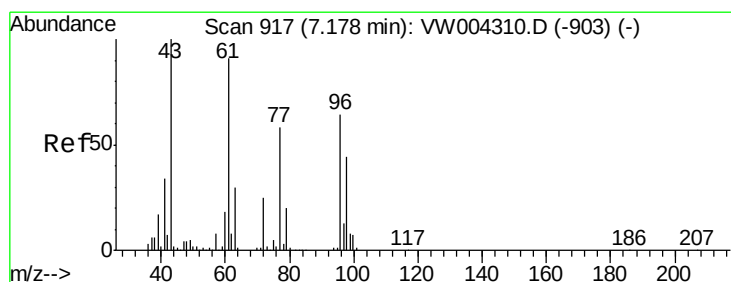
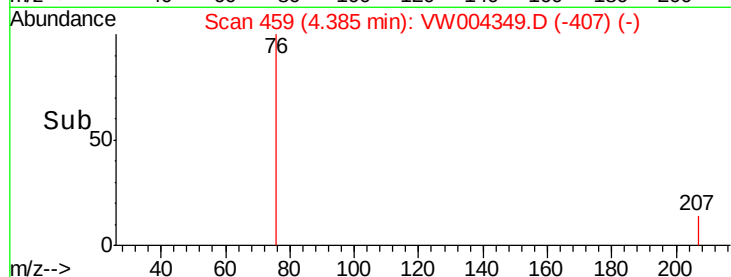
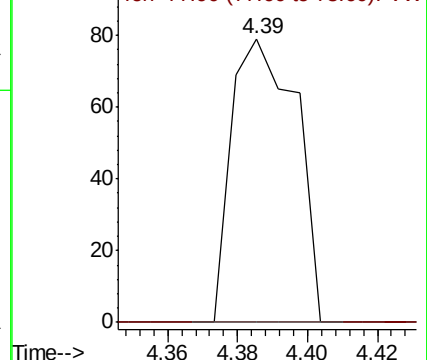
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 4.794 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.02 min

Lab File: VW004349.D

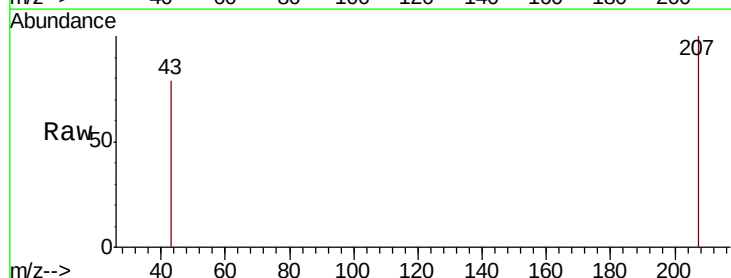
Acq: 30 Jul 2018 08:27

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

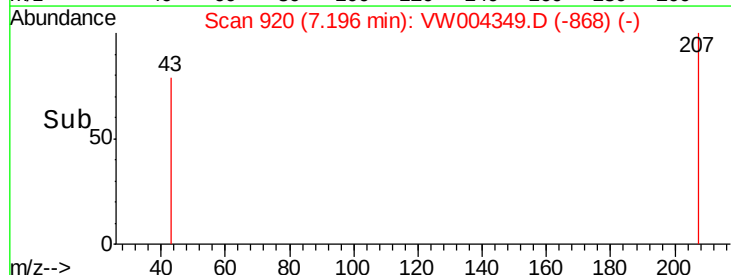
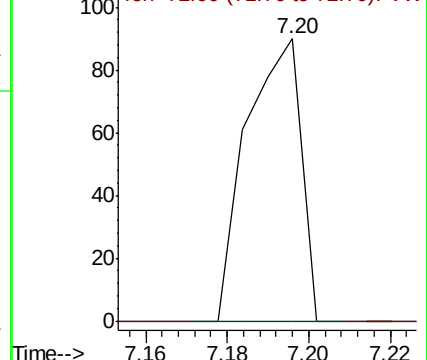
43 100

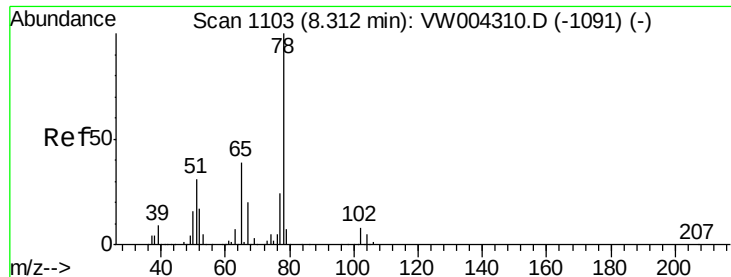
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

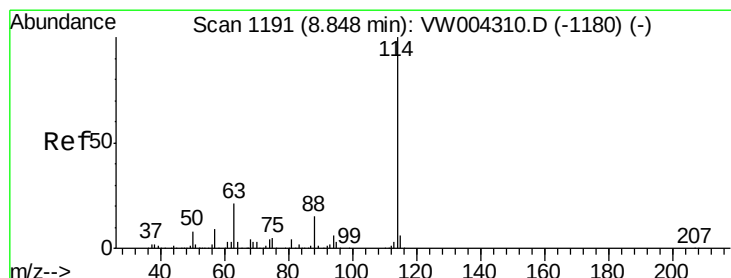
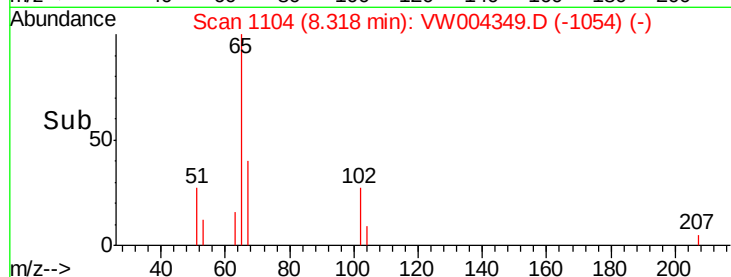
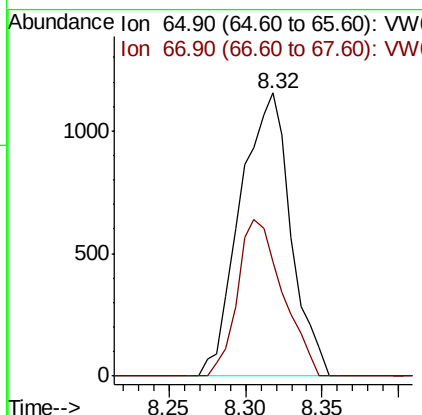
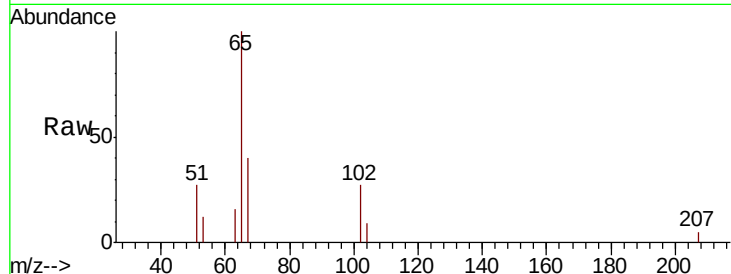




#33
 1,2-Dichloroethane-d4
 Concen: 42.126 ug/l
 RT: 8.32 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

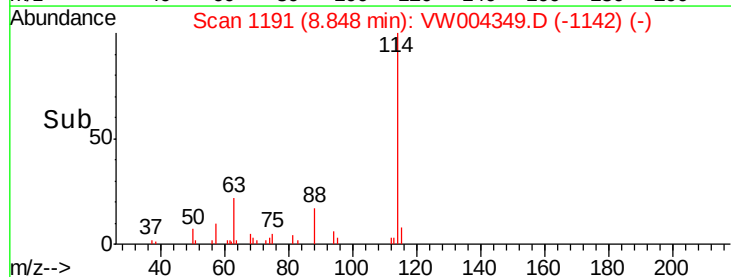
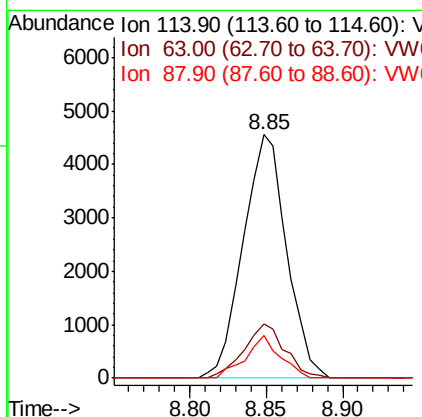
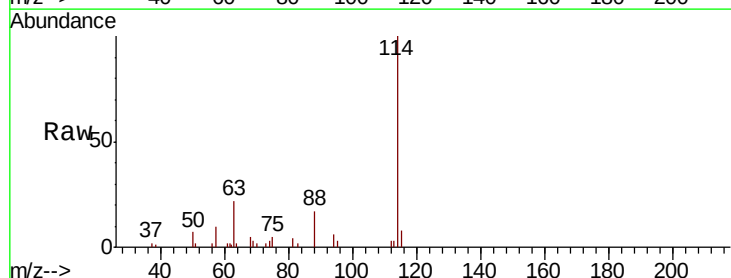
Instrument :
 MSVOA_W
 ClientSampled :

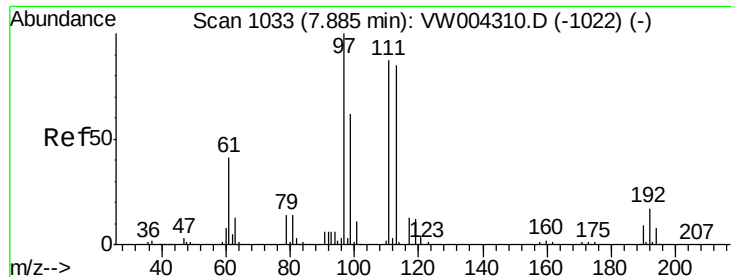
Tot Ion: 65 Resp: 2658
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

Tgt Ion: 114 Resp: 8973
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.4
 88 17.4 0.0 30.6

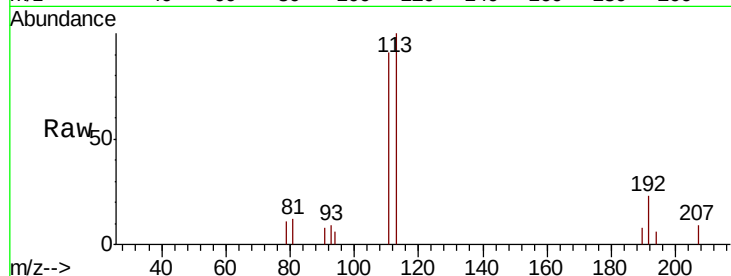




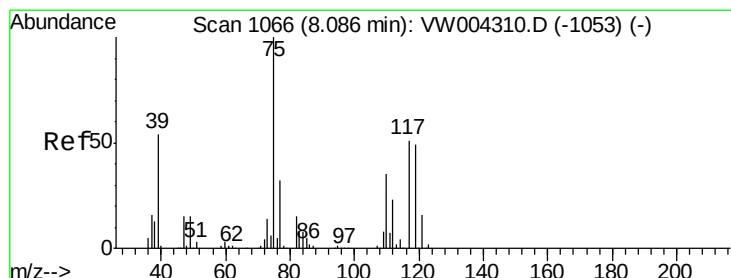
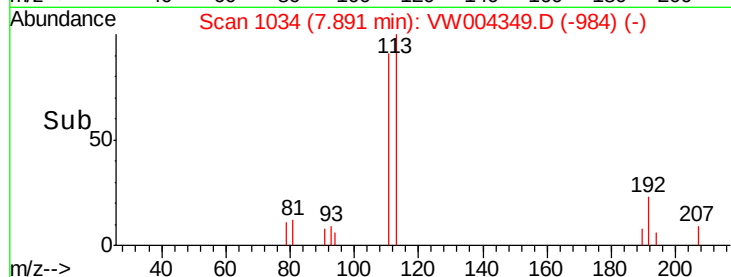
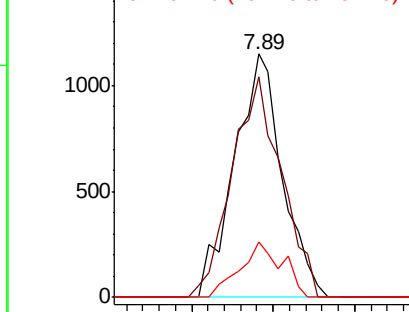
#35
 Dibromofluoromethane
 Concen: 41.389 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 2347
 Ion Ratio Lower Upper
 113 100
 111 93.7 82.1 123.1
 192 20.2 16.2 24.4

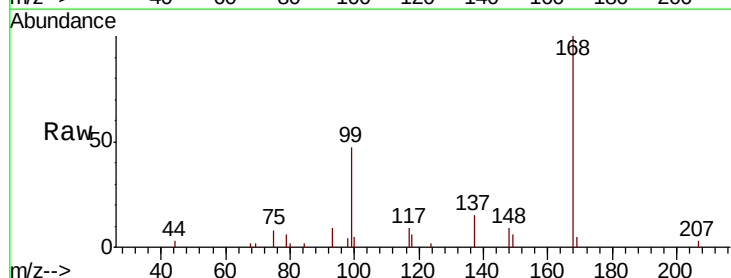


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

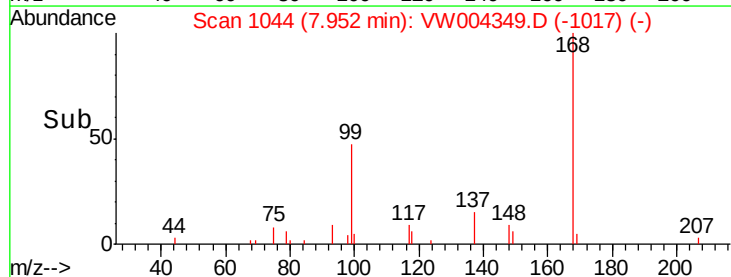
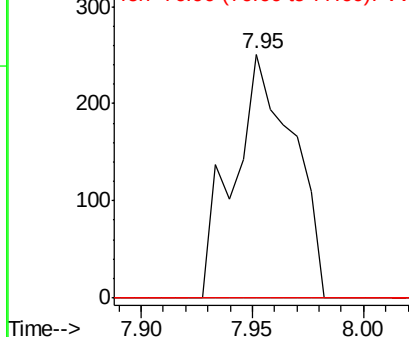


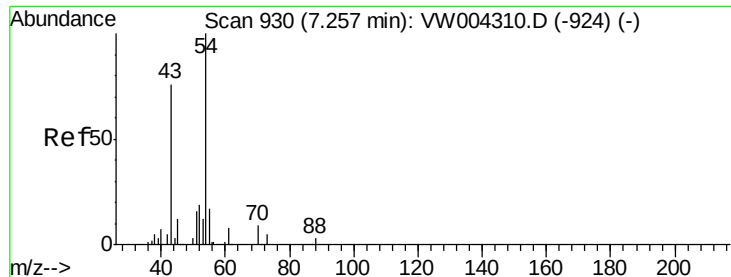
#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

Tgt Ion: 75 Resp: 469
 Ion Ratio Lower Upper
 75 100
 110 0.0 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





#37

Ethyl Acetate

Concen: 2.284 ug/l

RT: 7.20 min Scan# 920

Delta R.T. -0.06 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

ClientSampleId :

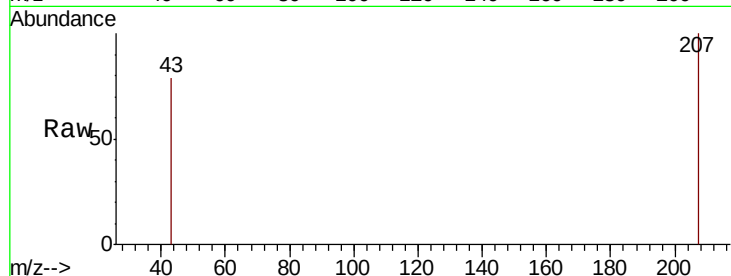
Tot Ion: 43 Resp: 84

Ion Ratio Lower Upper

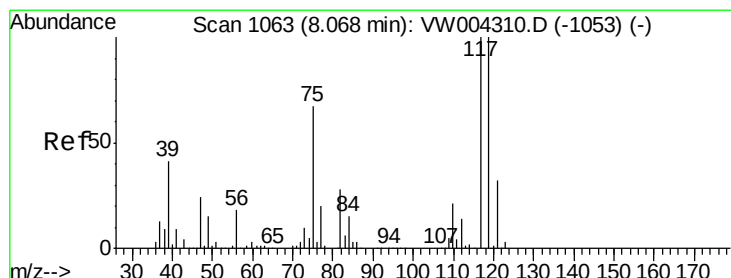
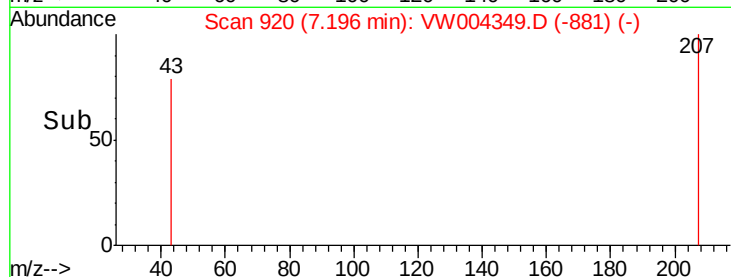
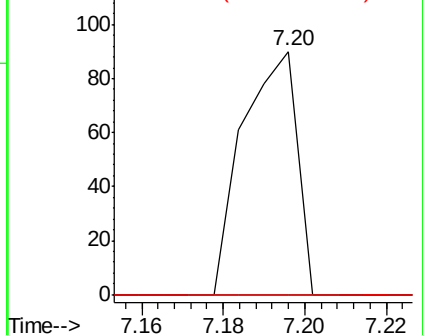
43 100

61 0.0 11.1 16.7#

70 0.0 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.875 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

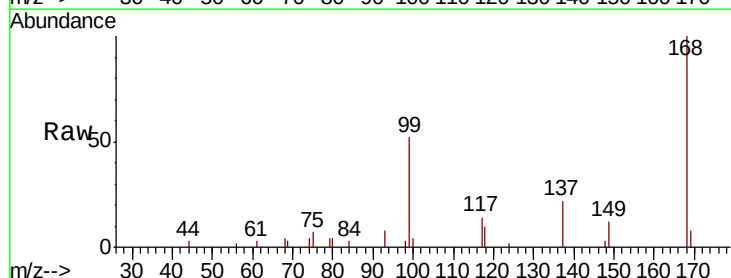
Tgt Ion: 117 Resp: 698

Ion Ratio Lower Upper

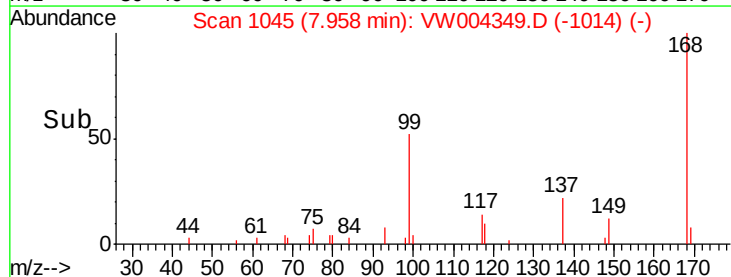
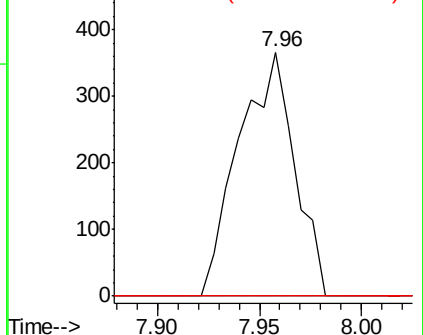
117 100

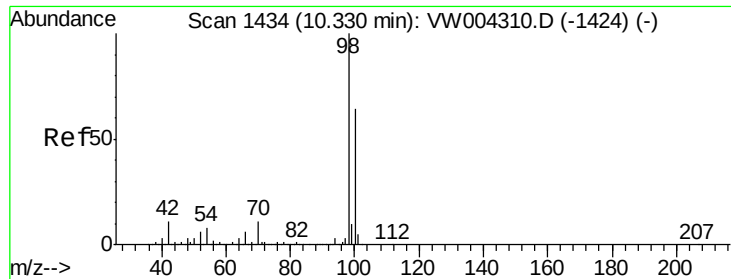
119 0.0 79.7 119.5#

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





#50

Toluene-d8

Concen: 36.750 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

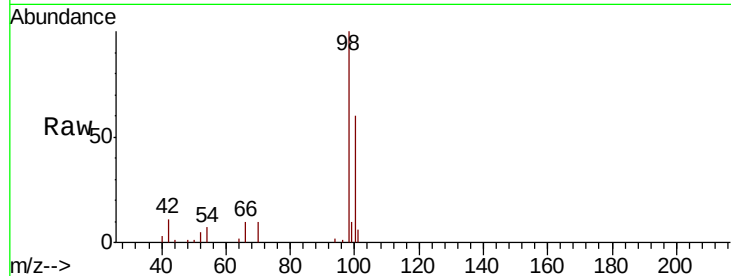
ClientSampled :

Tot Ion: 98 Resp: 8236

Ion Ratio Lower Upper

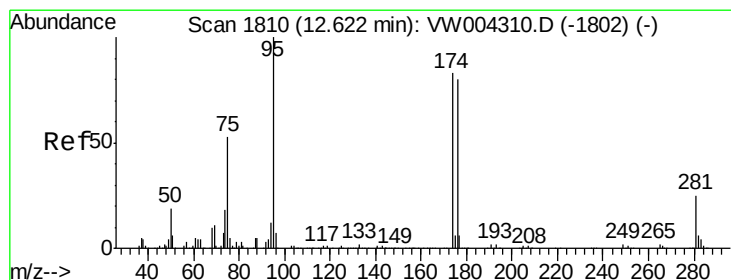
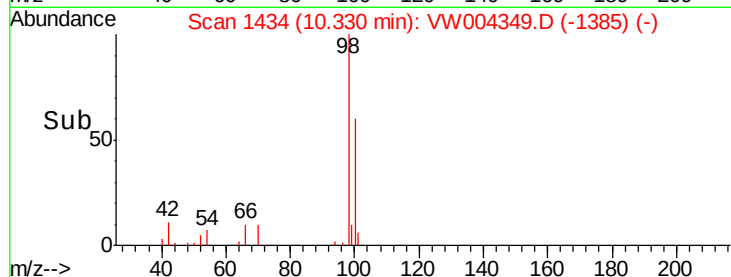
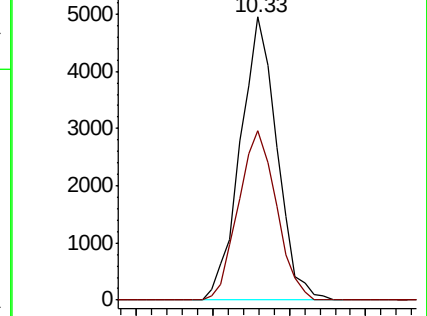
98 100

100 62.1 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: 22.925 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

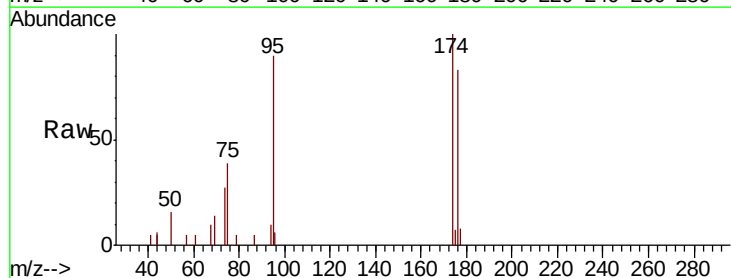
Tgt Ion: 95 Resp: 1809

Ion Ratio Lower Upper

95 100

174 100.8 0.0 167.8

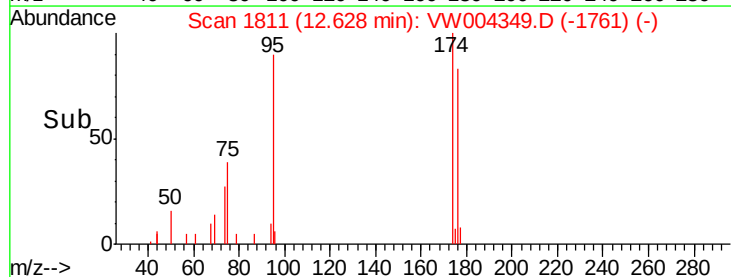
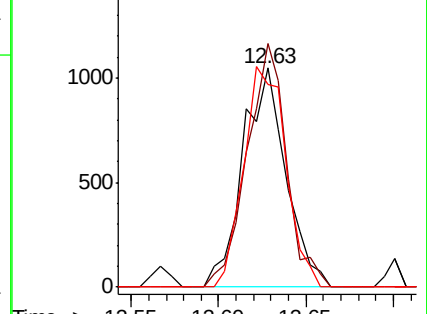
176 97.5 0.0 162.4

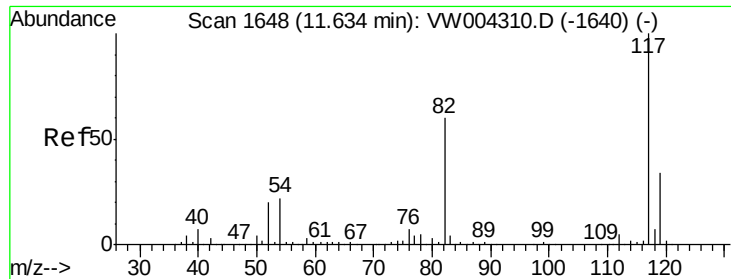


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

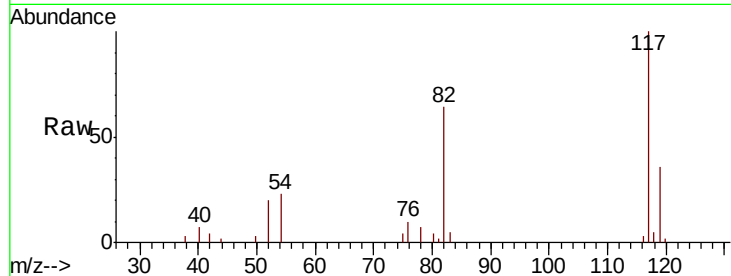




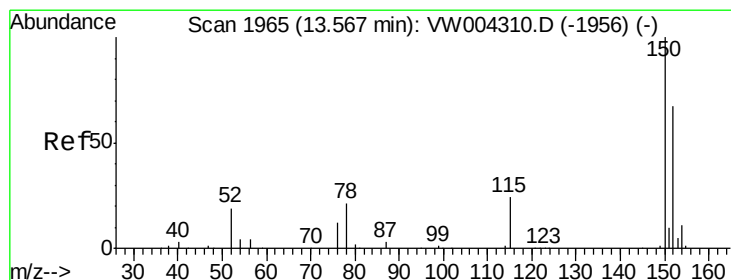
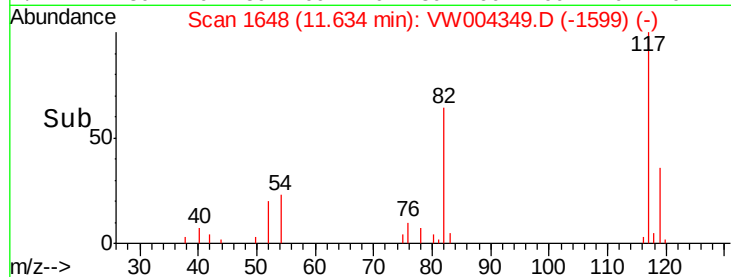
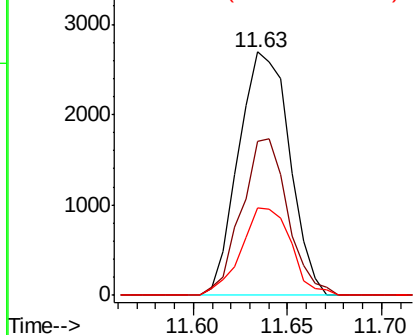
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004349.D
Acq: 30 Jul 2018 08:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 5047
Ion Ratio Lower Upper
117 100
82 63.5 47.9 71.9
119 36.0 27.1 40.7

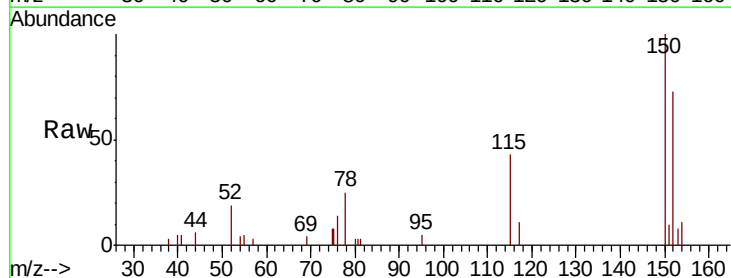


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

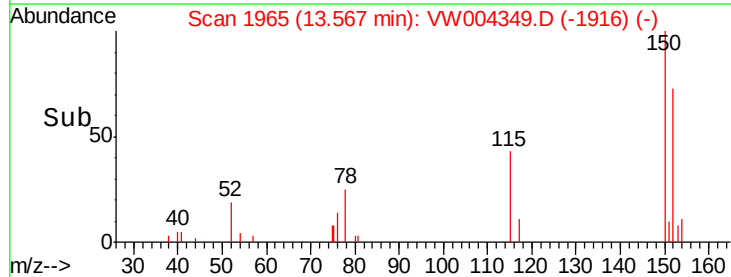
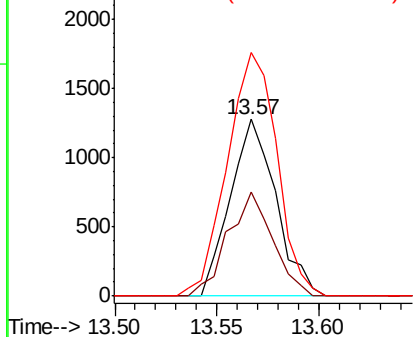


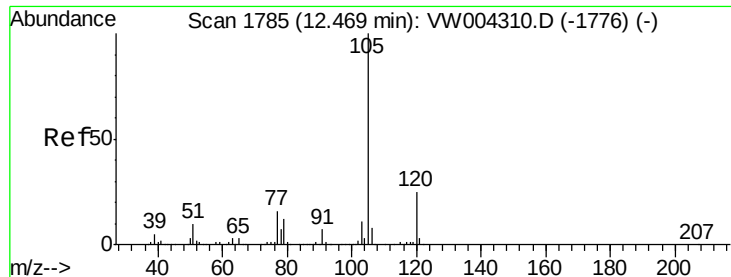
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004349.D
Acq: 30 Jul 2018 08:27

Tgt Ion:152 Resp: 1985
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.4
150 150.2 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





#73

Isopropylbenzene

Concen: 2.681 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

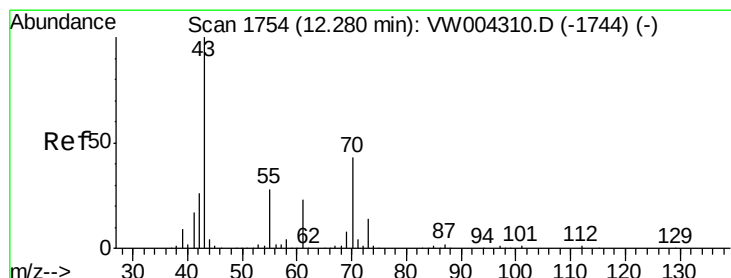
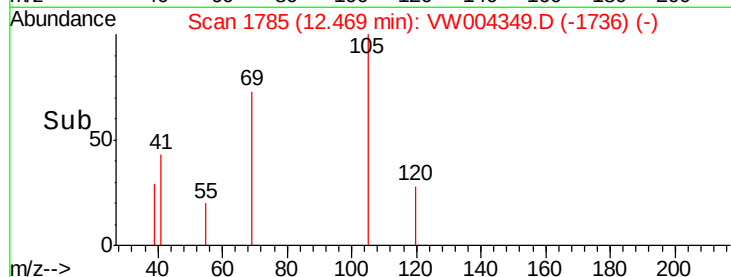
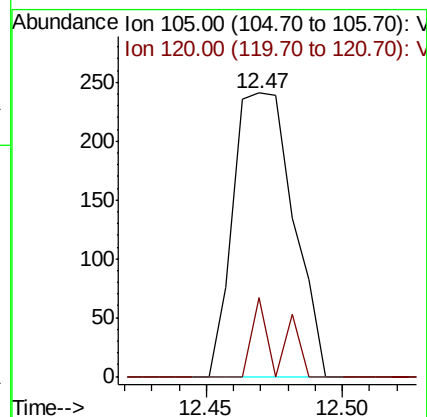
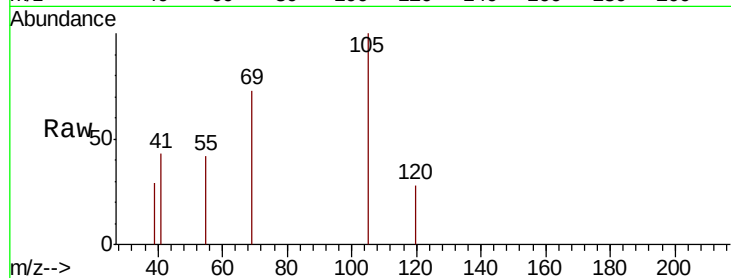
ClientSampled :

Tot Ion: 105 Resp: 369

Ion Ratio Lower Upper

105 100

120 11.9 13.2 39.6#



#74

N-ethyl acetate

Concen: 2.576 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Tgt Ion: 43 Resp: 24

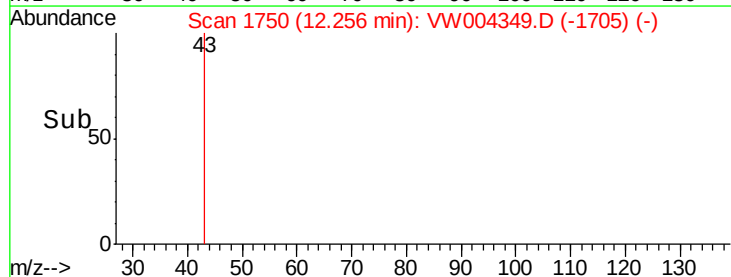
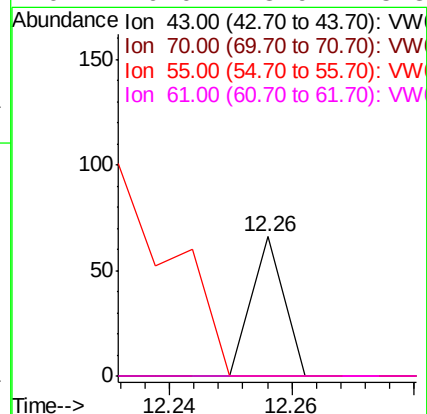
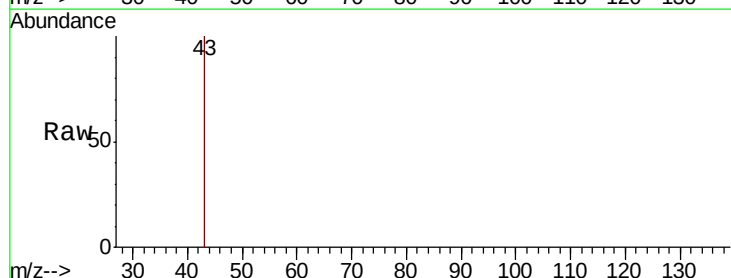
Ion Ratio Lower Upper

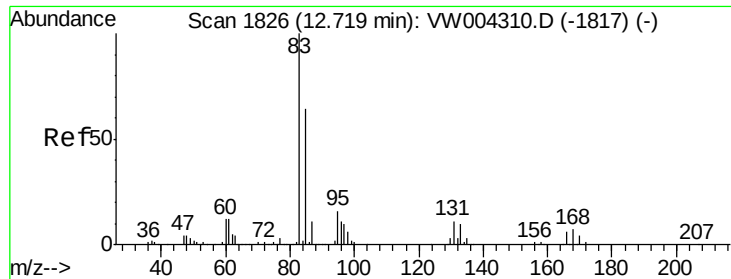
43 100

70 0.0 34.2 51.4#

55 0.0 21.8 32.8#

61 0.0 18.9 28.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.825 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

ClientSampleId :

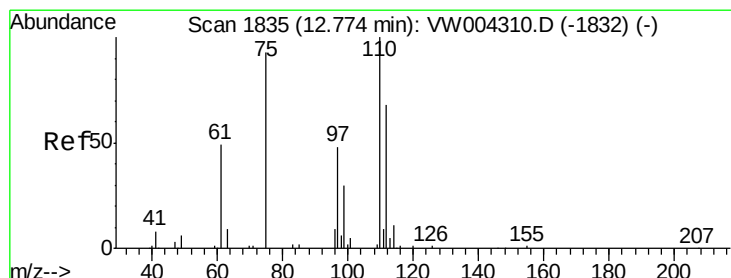
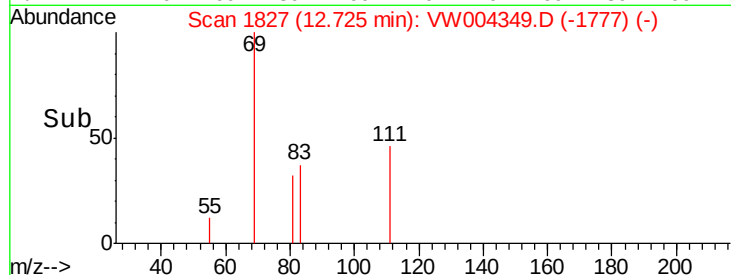
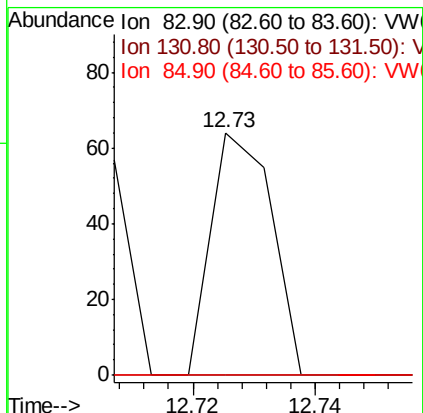
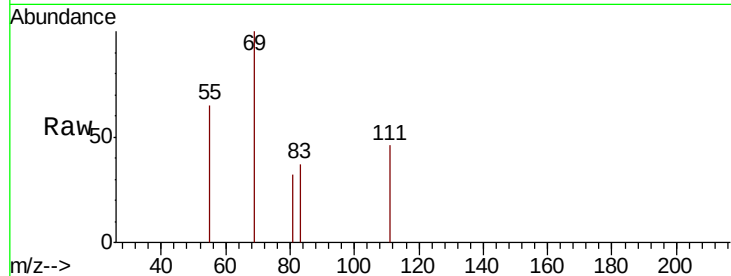
Tot Ion: 83 Resp: 44

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 49.293 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004349.D

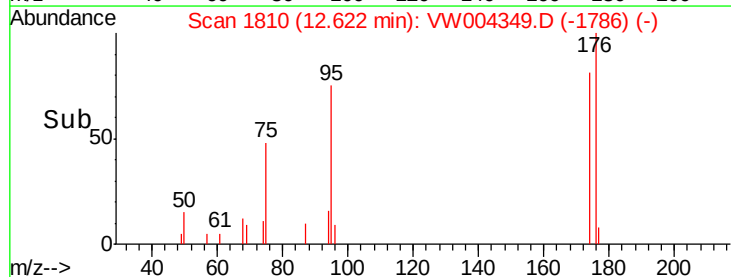
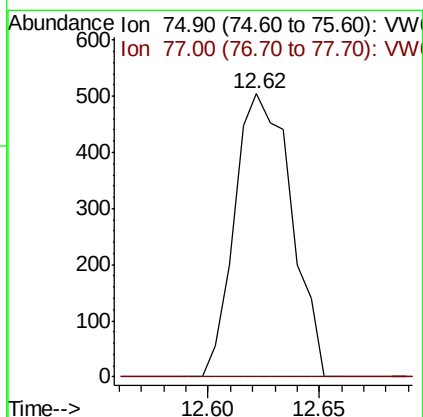
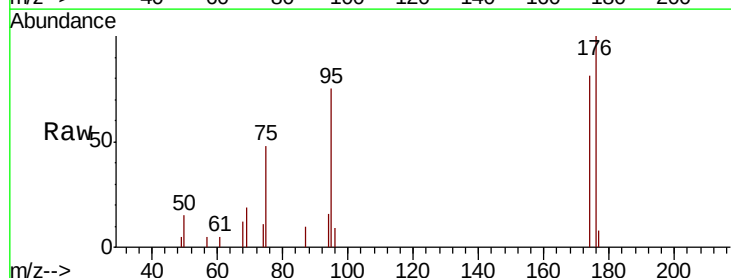
Acq: 30 Jul 2018 08:27

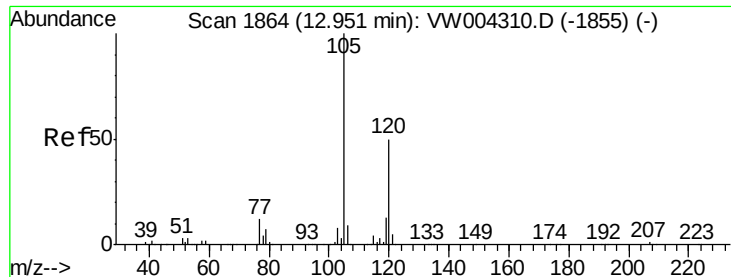
Tgt Ion: 75 Resp: 893

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

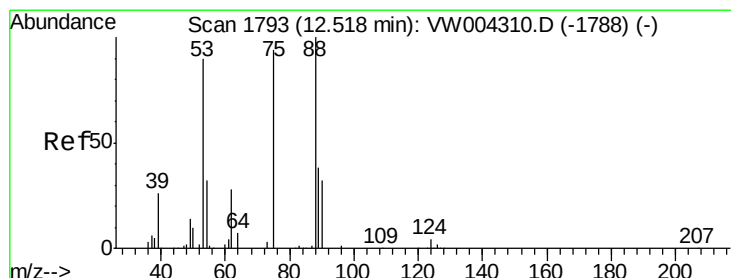
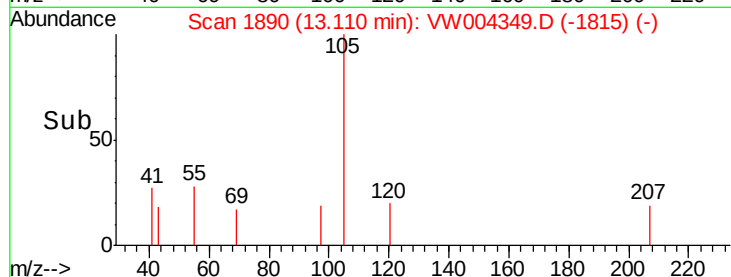
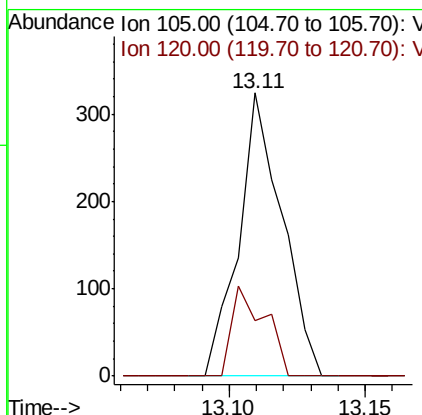
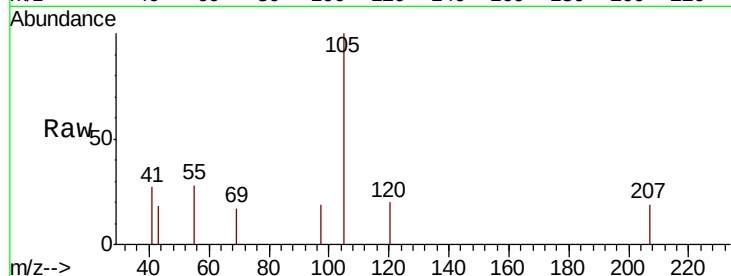




#80
 1,3,5-Trimethylbenzene
 Concen: 3.019 ug/l
 RT: 13.11 min Scan# 1890
 Delta R.T. 0.16 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

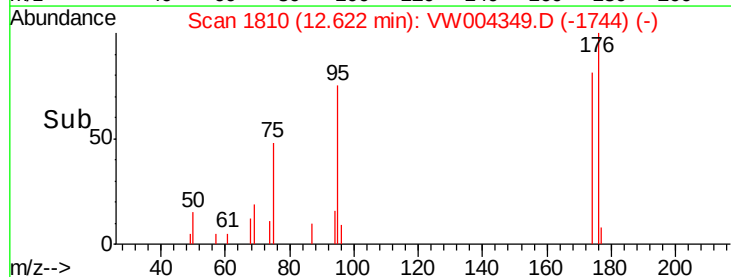
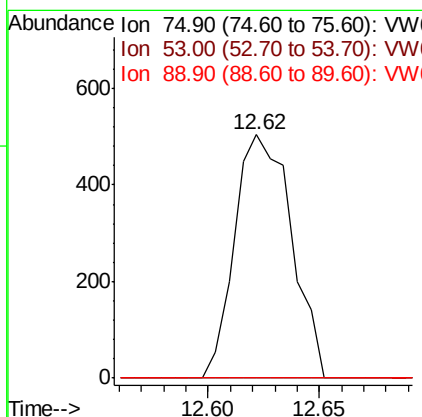
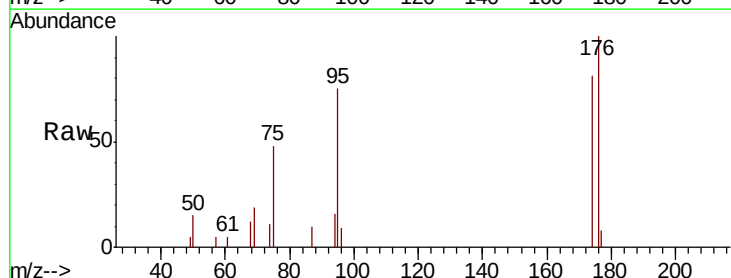
Instrument :
 MSVOA_W
 ClientSampleId :

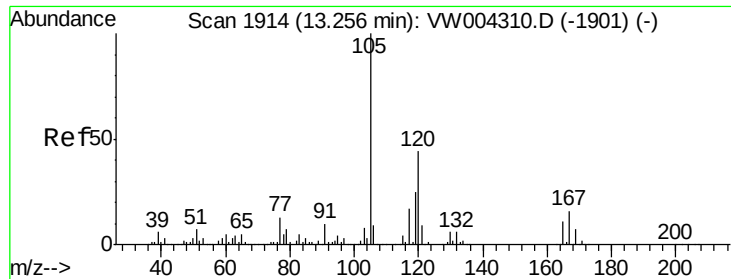
Tot Ion: 105 Resp: 358
 Ion Ratio Lower Upper
 105 100
 120 24.3 25.1 75.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.699 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

Tgt Ion: 75 Resp: 893
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 36.0 54.0#

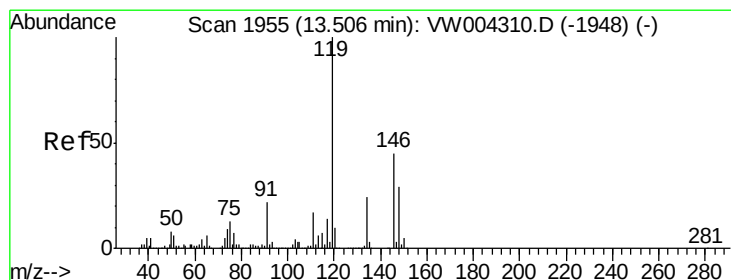
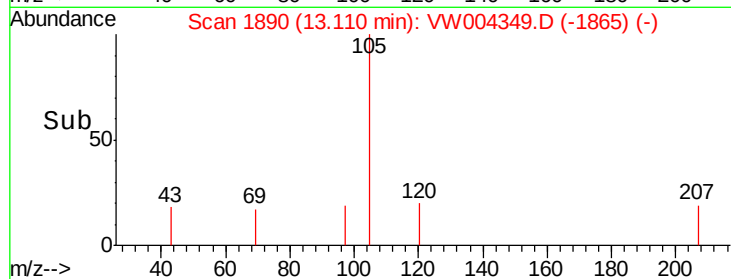
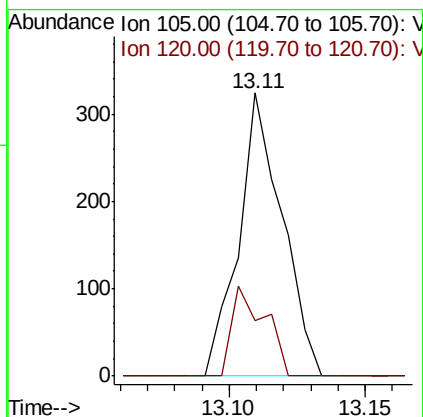
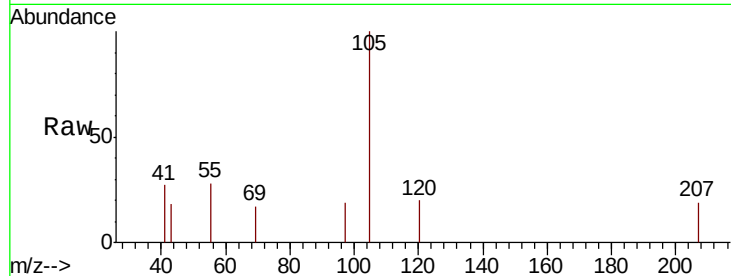




#84
 1,2,4-Trimethylbenzene
 Concen: 2.960 ug/l
 RT: 13.11 min Scan# 1890
 Delta R.T. -0.15 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

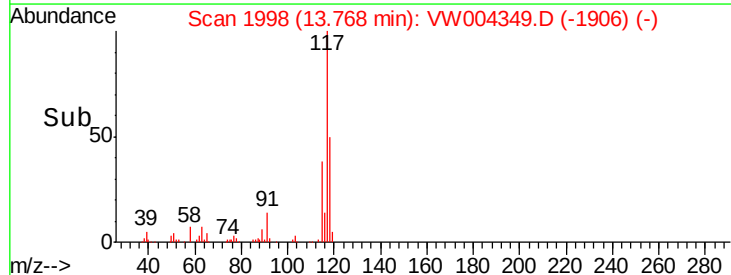
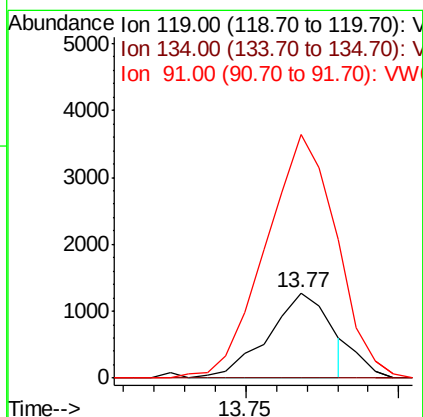
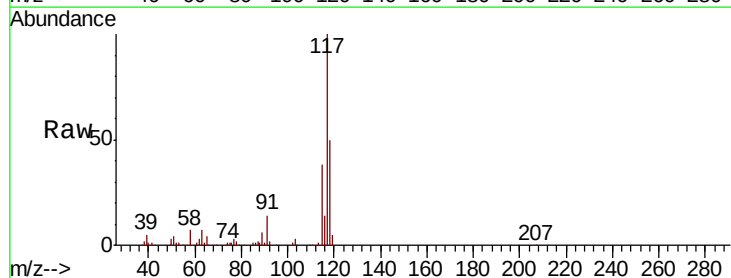
Instrument :
 MSVOA_W
 ClientSampleId :

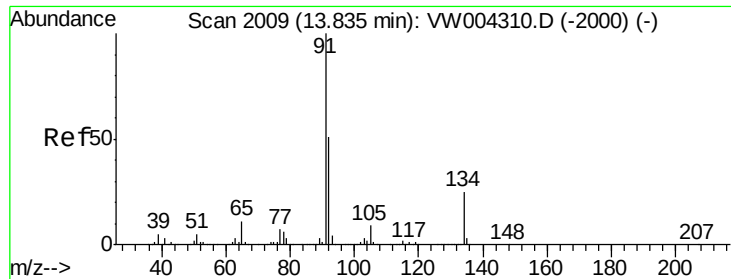
Tot Ion:105 Resp: 358
 Ion Ratio Lower Upper
 105 100
 120 24.3 22.7 68.0



#86
 p-Isopropyltoluene
 Concen: 13.813 ug/l
 RT: 13.77 min Scan# 1998
 Delta R.T. 0.26 min
 Lab File: VW004349.D
 Acq: 30 Jul 2018 08:27

Tgt Ion:119 Resp: 1790
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.6 37.8#
 91 307.0 11.3 33.9#





#89

n-Butylbenzene

Concen: 48.623 ug/l

RT: 13.77 min Scan# 1998

Delta R.T. -0.07 min

Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

ClientSampleId :

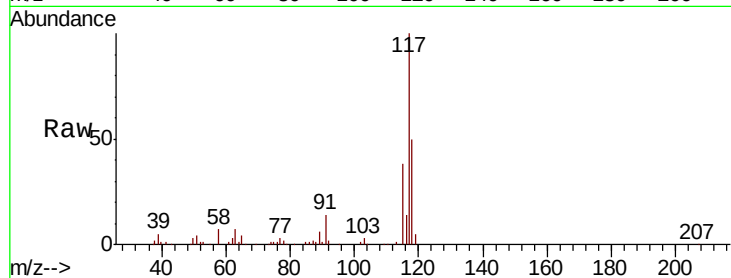
Tot Ion: 91 Resp: 5884

Ion Ratio Lower Upper

91 100

92 11.1 26.4 79.2#

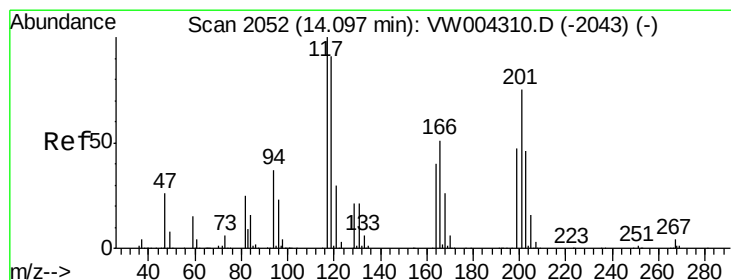
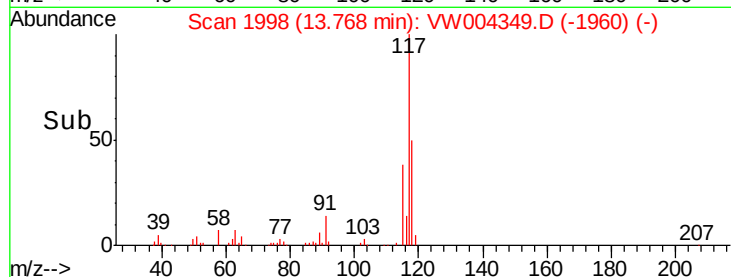
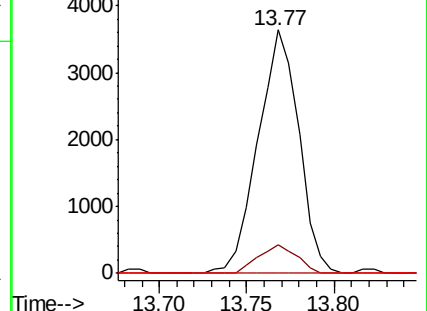
134 0.0 12.9 38.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 66.369 ug/l

RT: 14.21 min Scan# 2071

Delta R.T. 0.12 min

Lab File: VW004349.D

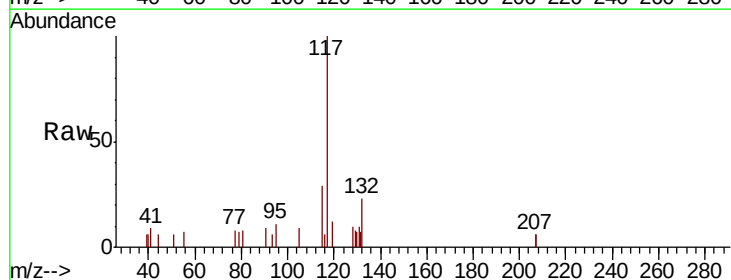
Acq: 30 Jul 2018 08:27

Tgt Ion: 117 Resp: 1534

Ion Ratio Lower Upper

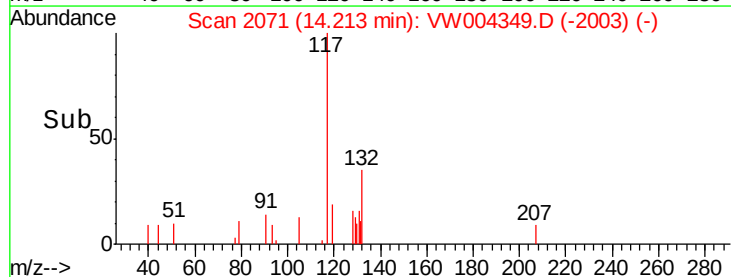
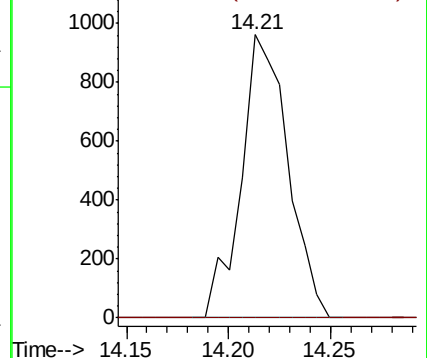
117 100

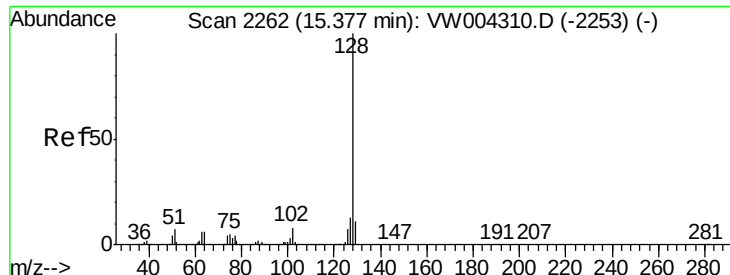
201 0.0 41.5 124.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 4.029 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

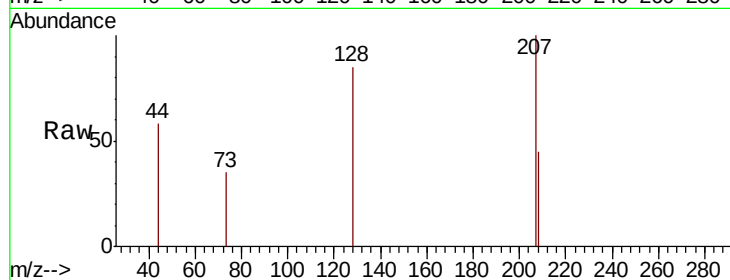
Lab File: VW004349.D

Acq: 30 Jul 2018 08:27

Instrument :

MSVOA_W

ClientSampleId :



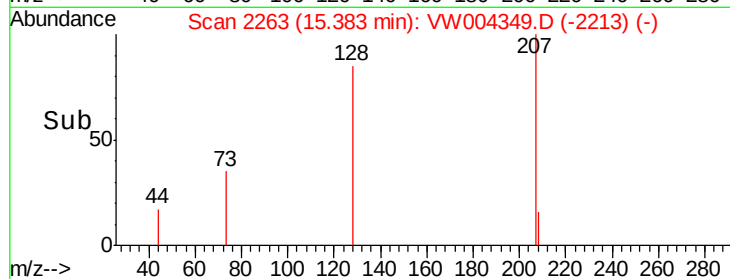
Tot Ion:128 Resp: 290

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

