

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004790.D
 Acq On : 20 Aug 2018 14:54
 Operator : SY/AP
 Sample : J4439-13RE
 Misc : 6.06G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 15:17:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	778283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	748799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	395233	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	333258	96.90	ug/l	0.00
Spiked Amount			Recovery	=	193.80%	
35) Dibromofluoromethane	7.89	113	301975	60.71	ug/l	0.00
Spiked Amount			Recovery	=	121.42%	
50) Toluene-d8	10.33	98	665156	34.26	ug/l	0.00
Spiked Amount			Recovery	=	68.52%	
62) 4-Bromofluorobenzene	12.62	95	404628	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	

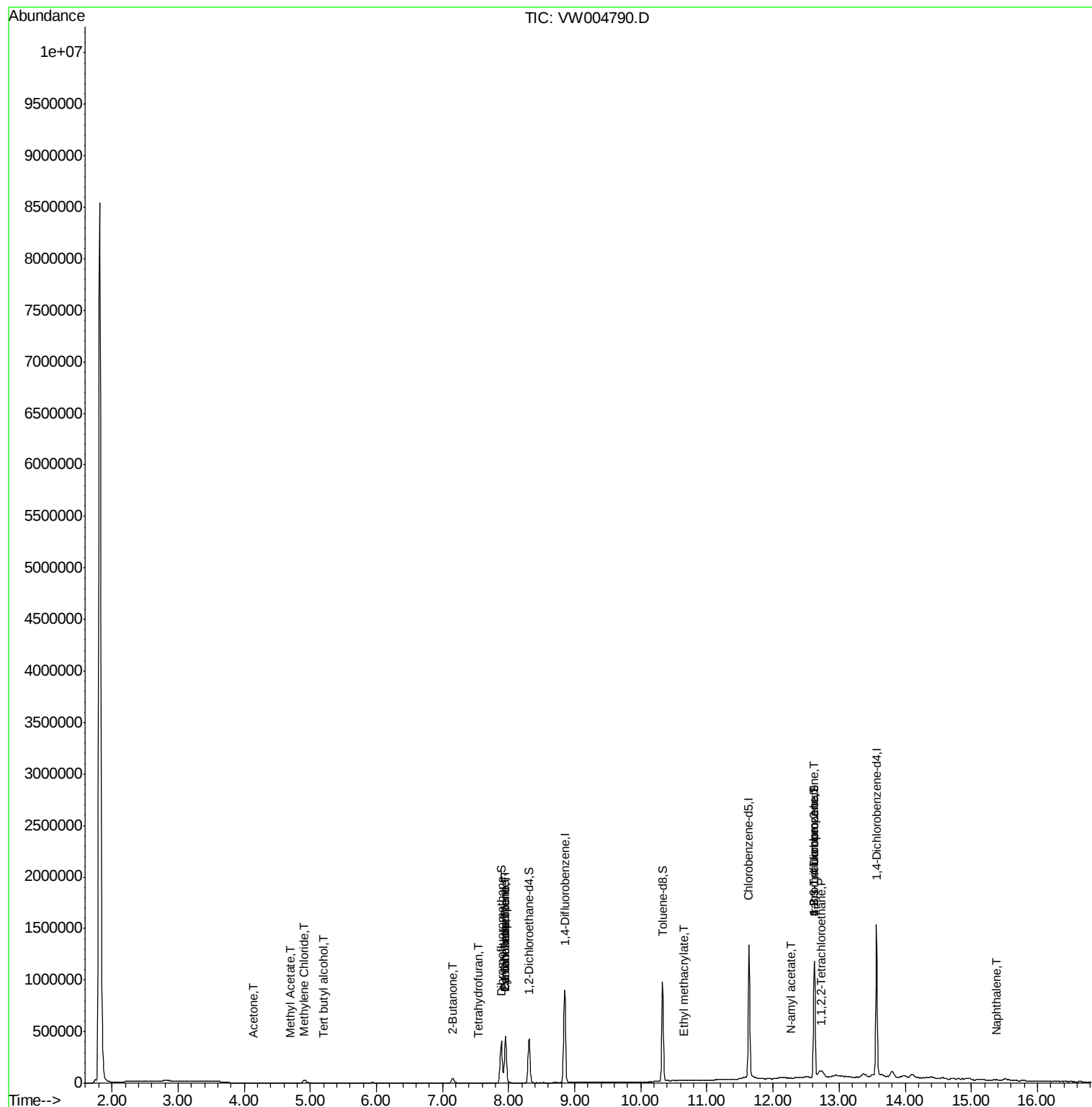
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	542	2.821	ug/l #	72
16) Acetone	4.15	43	3470	3.952	ug/l #	86
18) Methyl Acetate	4.68	43	4457	2.369	ug/l #	68
20) Methylene Chloride	4.90	84	24544	1.978	ug/l #	95
25) 2-Butanone	7.16	43	2537	2.028	ug/l #	88
29) Tetrahydrofuran	7.54	42	839	1.315	ug/l #	62
31) Cyclohexane	7.95	56	6725	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25238	3.148	ug/l #	50
38) Carbon Tetrachloride	7.95	117	31834	4.313	ug/l #	17
56) Ethyl methacrylate	10.65	69	429	3.057	ug/l #	81
74) N-amyl acetate	12.28	43	612	4.108	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.73	83	25212	5.062	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	185571	53.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	185571	123.797	ug/l #	13
95) Naphthalene	15.38	128	2849	3.670	ug/l #	51

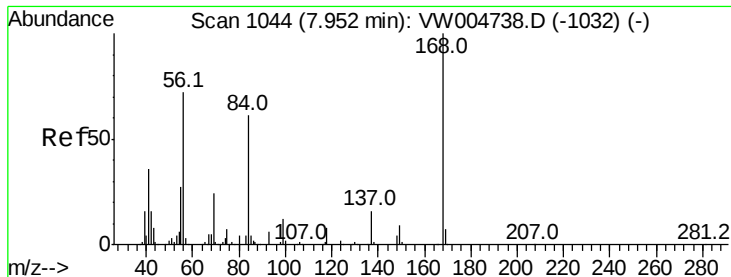
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 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: VW004790.D

Acq: 20 Aug 2018 14:54

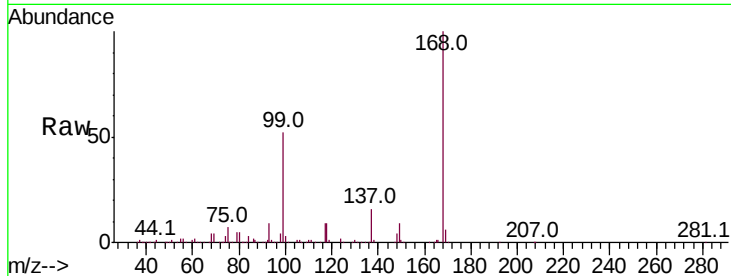
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 355731

Ion Ratio Lower Upper

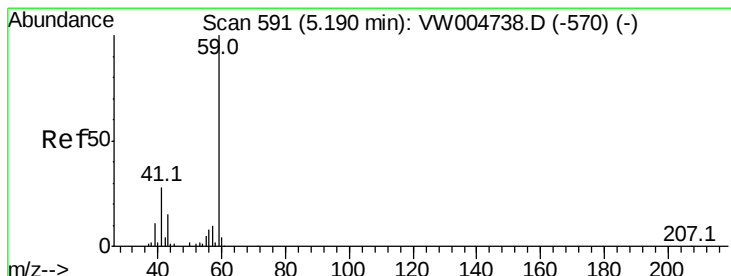
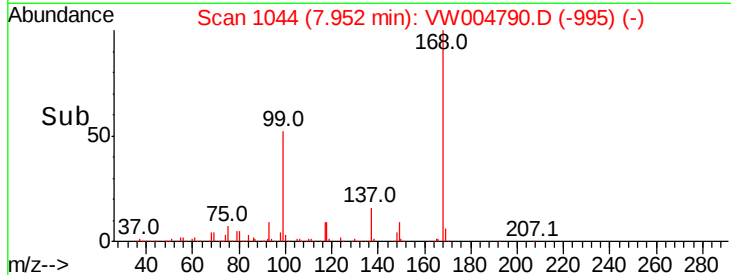
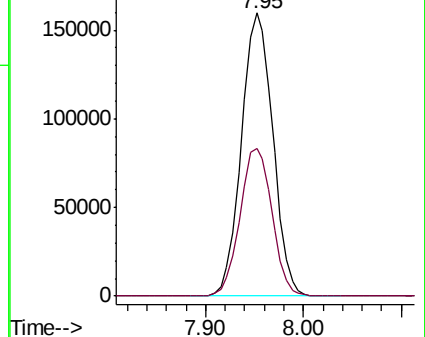
168 100

99 52.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.821 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004790.D

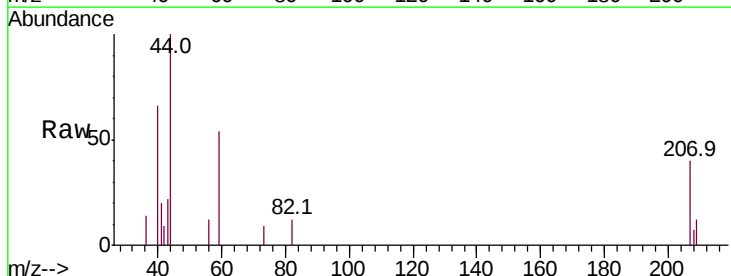
Acq: 20 Aug 2018 14:54

Tgt Ion: 59 Resp: 542

Ion Ratio Lower Upper

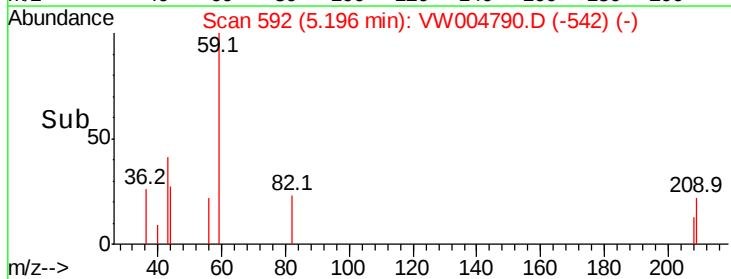
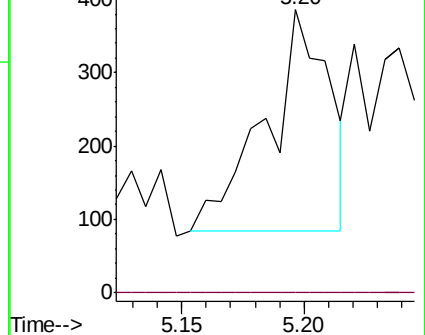
59 100

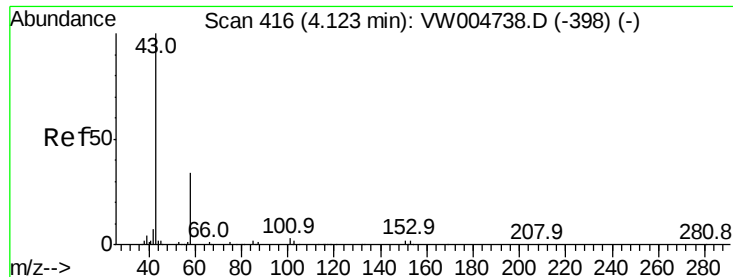
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.952 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

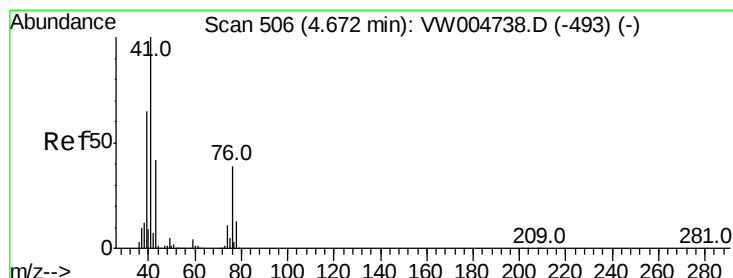
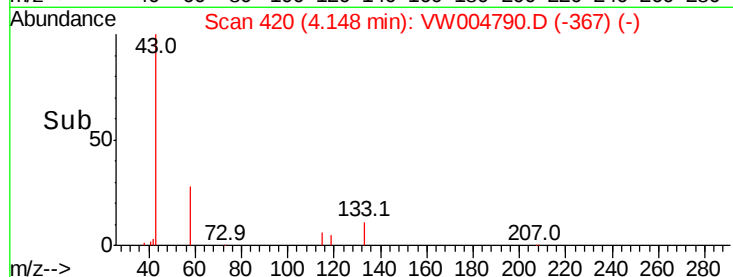
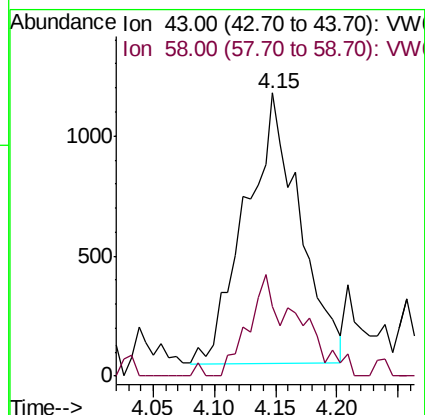
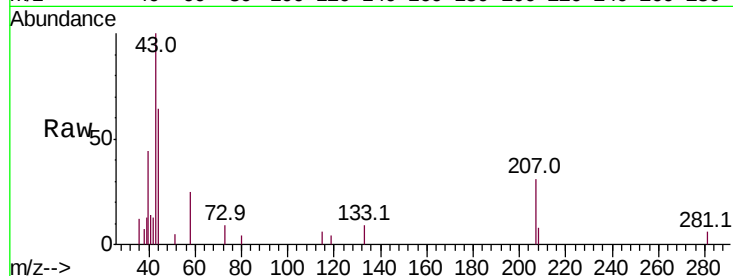
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 3470

Ion Ratio Lower Upper

43 100

58 25.8 27.3 40.9#



#18

Methyl Acetate

Concen: 2.369 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004790.D

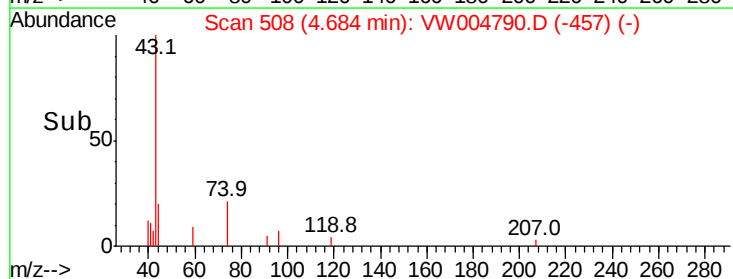
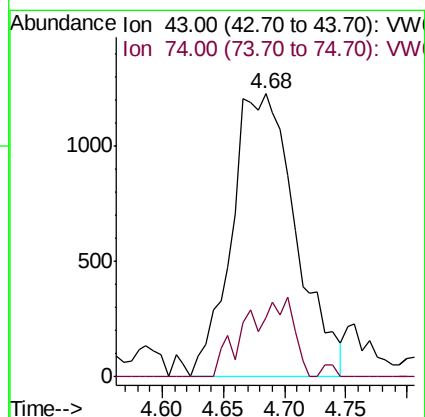
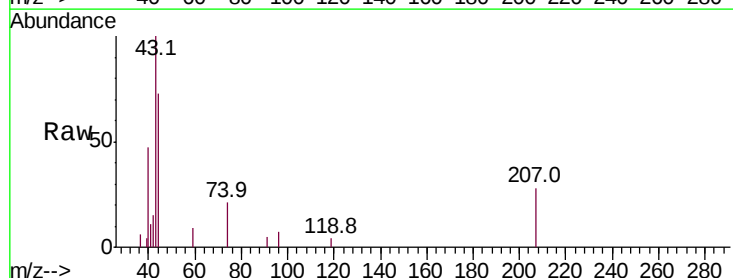
Acq: 20 Aug 2018 14:54

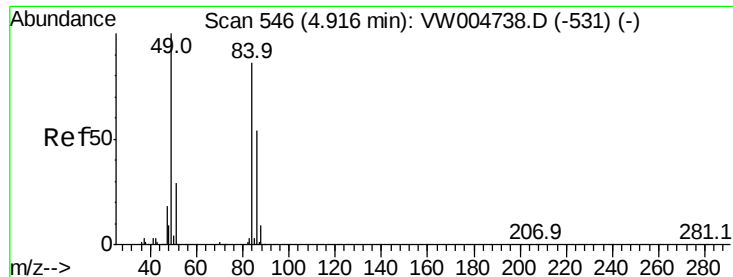
Tgt Ion: 43 Resp: 4457

Ion Ratio Lower Upper

43 100

74 9.0 19.8 29.8#

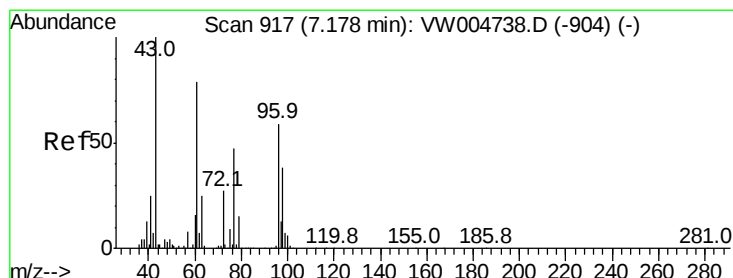
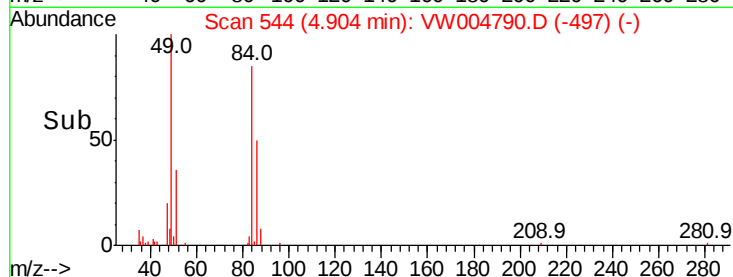
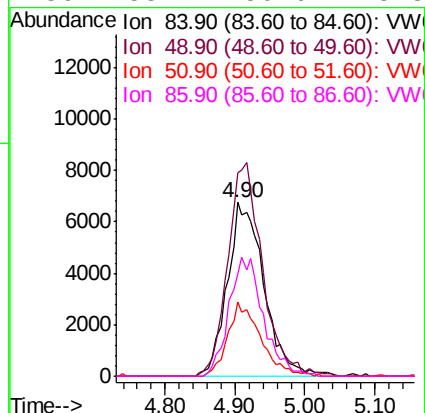
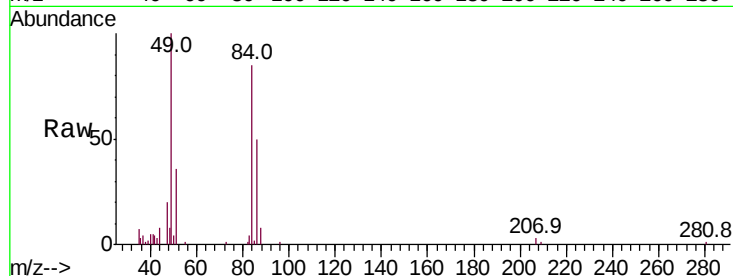




#20
Methvlene Chloride
Concen: 1.978 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

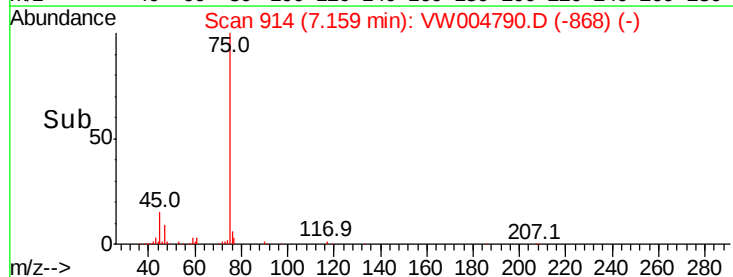
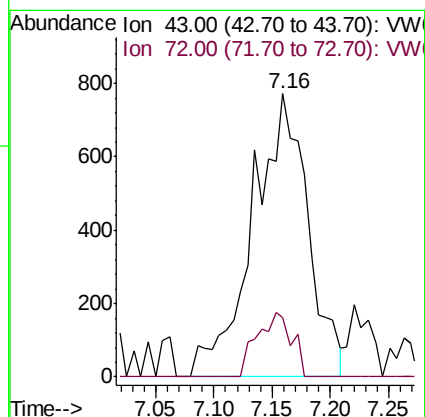
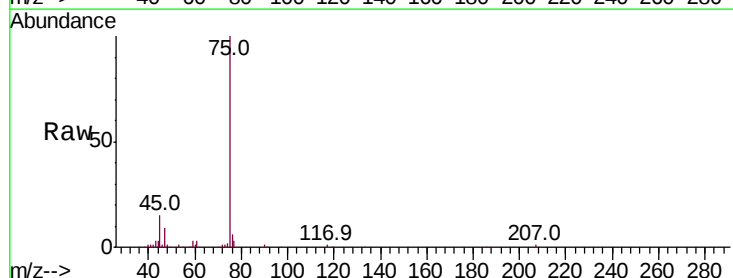
Instrument :
MSVOA_W
ClientSampleId :

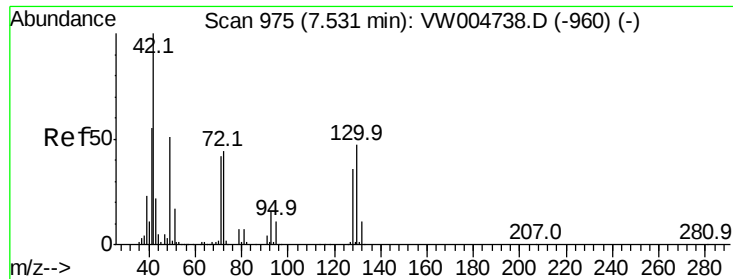
Tot Ion: 84 Resp: 24544
Ion Ratio Lower Upper
84 100
49 117.5 93.2 139.8
51 42.7 27.4 41.0#
86 58.7 50.6 75.8



#25
2-Butanone
Concen: 2.028 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
72 21.1 22.0 33.0#

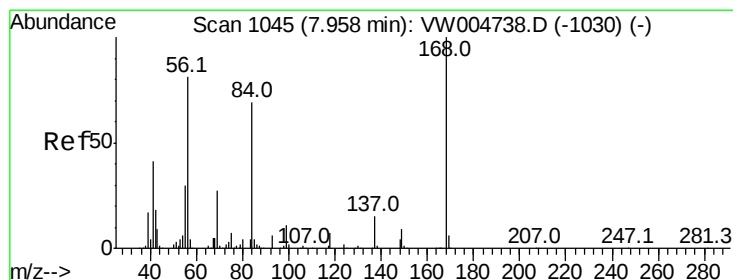
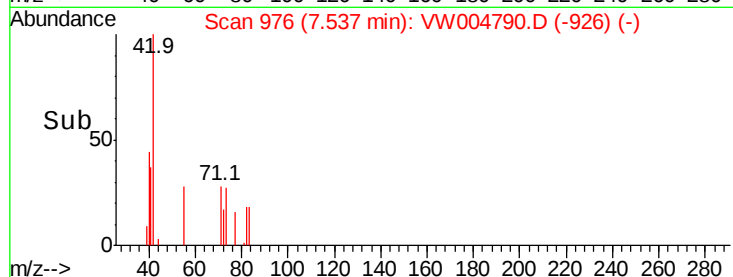
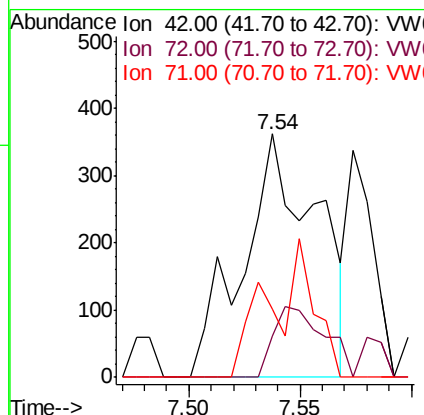
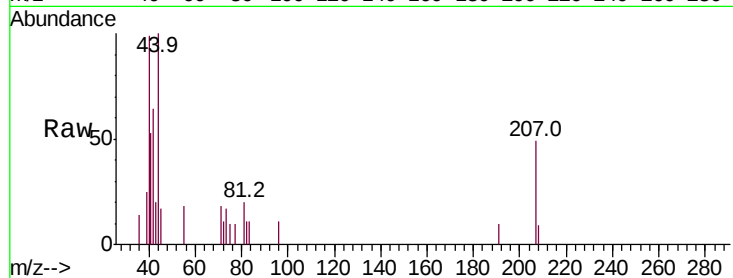




#29
Tetrahydrofuran
Concen: 1.315 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

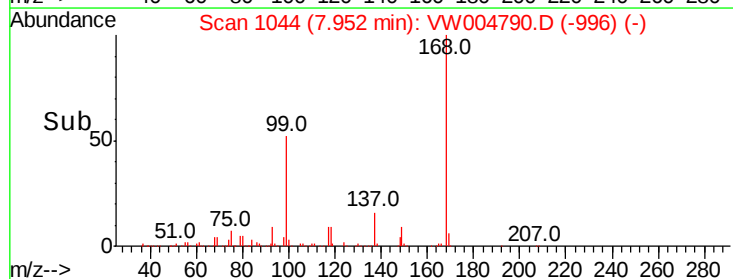
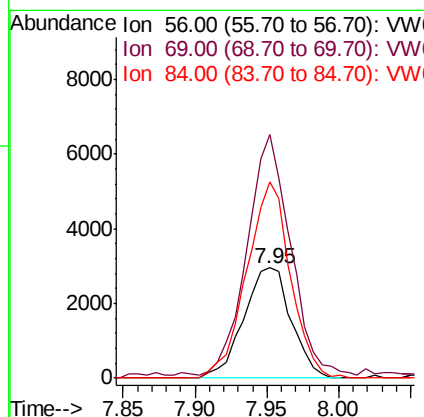
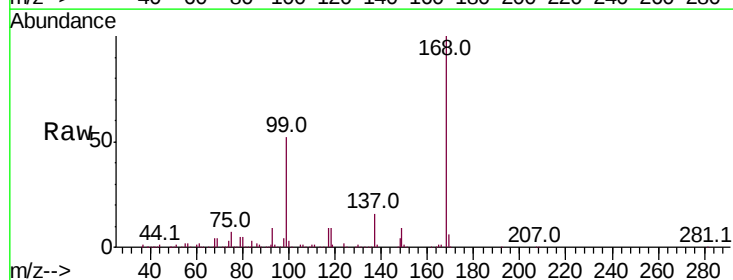
Instrument :
MSVOA_W
ClientSampled :

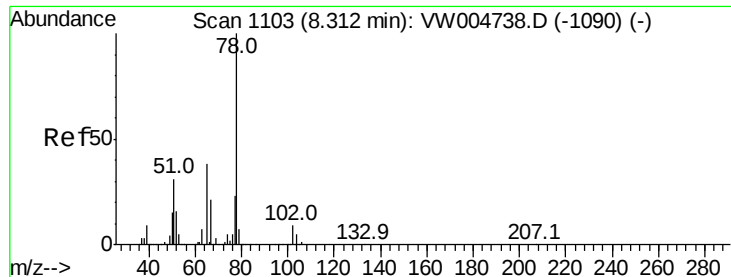
Tot Ion: 42 Resp: 839
Ion Ratio Lower Upper
42 100
72 19.8 34.9 52.3#
71 16.8 33.8 50.6#



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

Tgt Ion: 56 Resp: 6725
Ion Ratio Lower Upper
56 100
69 217.3 27.1 40.7#
84 178.9 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 96.899 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

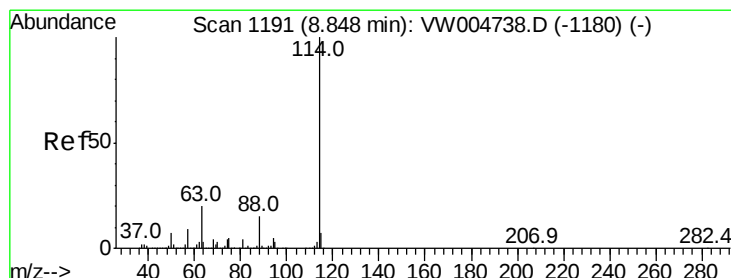
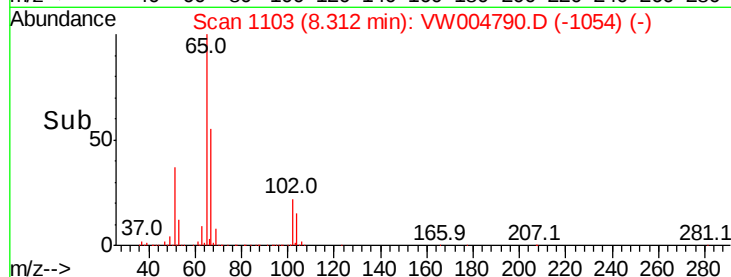
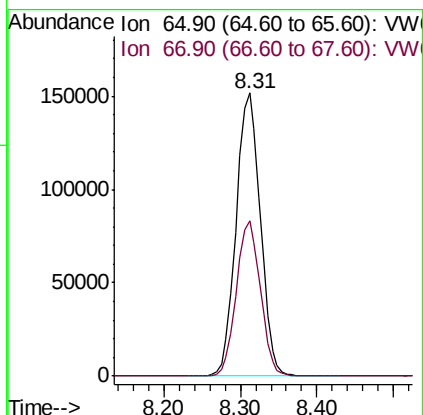
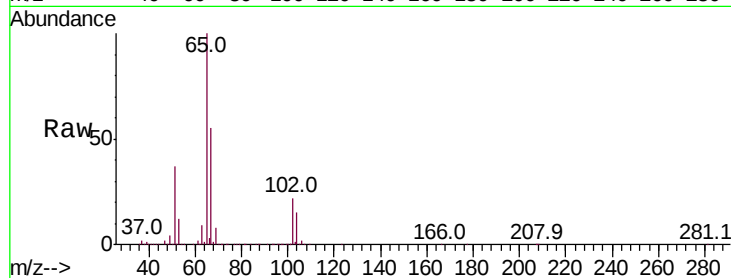
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 333258

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

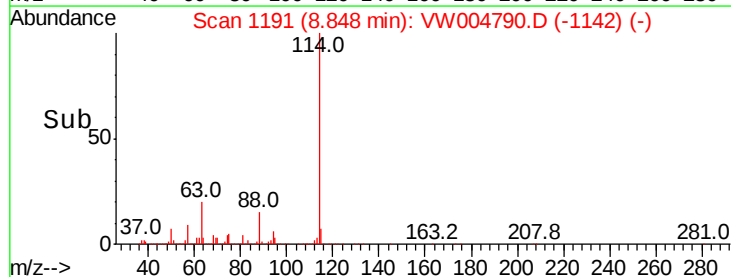
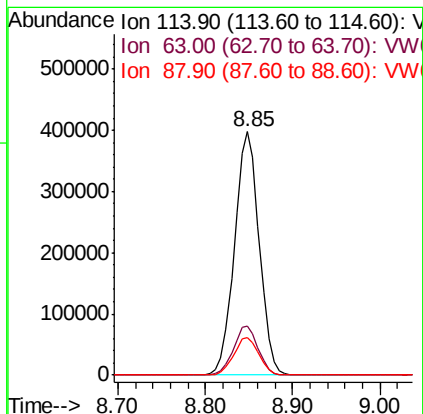
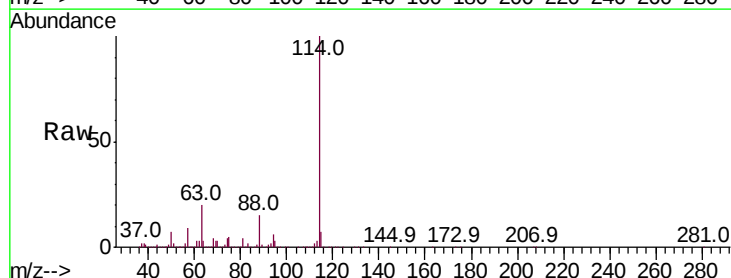
Tgt Ion: 114 Resp: 778283

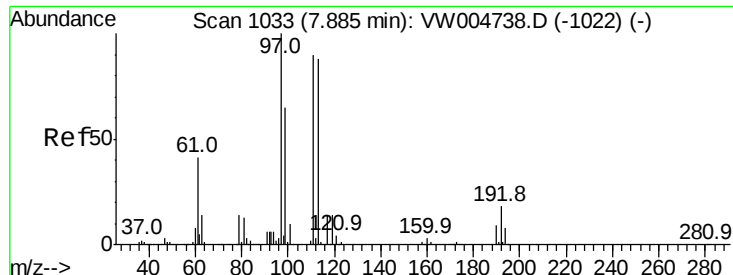
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 15.4 0.0 30.0

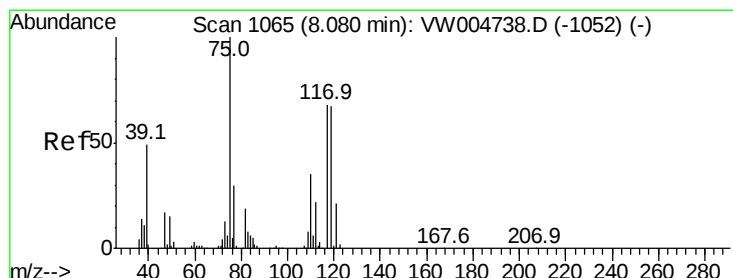
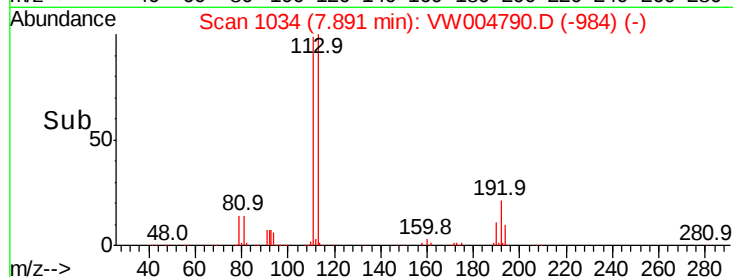
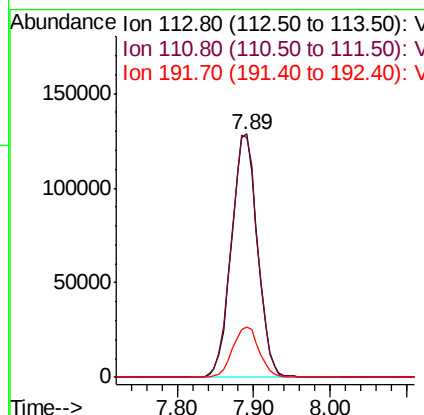
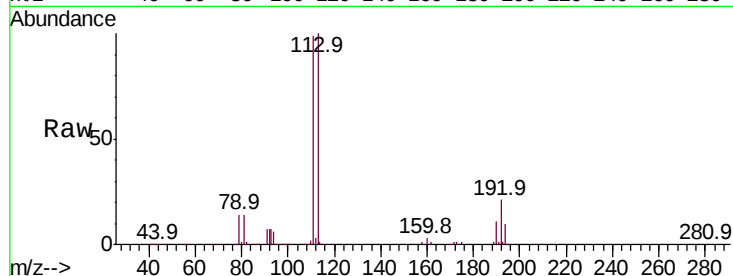




#35
 Dibromofluoromethane
 Concen: 60.707 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004790.D
 Acq: 20 Aug 2018 14:54

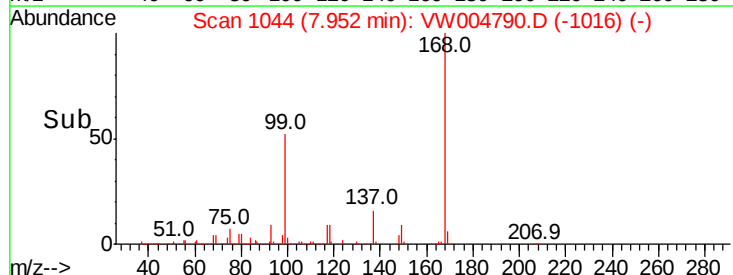
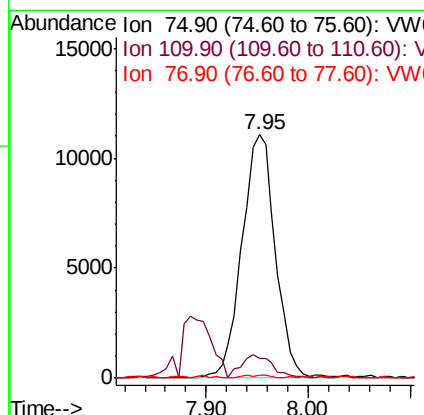
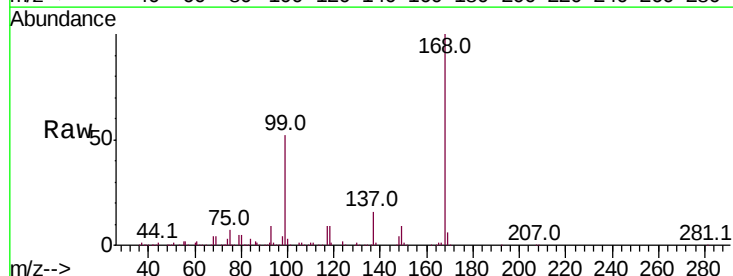
Instrument :
 MSVOA_W
 ClientSampleId :

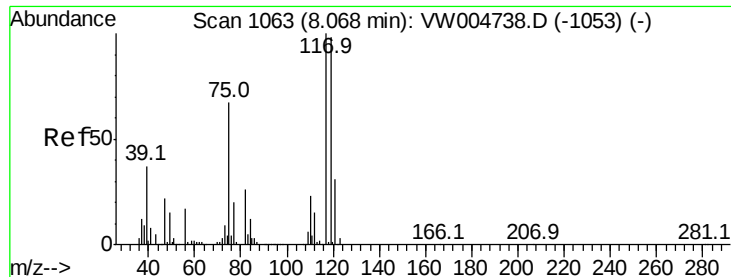
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	21.0	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 3.148 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004790.D
 Acq: 20 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.5#
77	0.5	24.9	37.3#

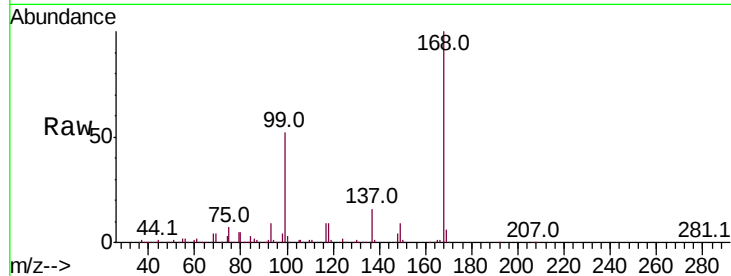




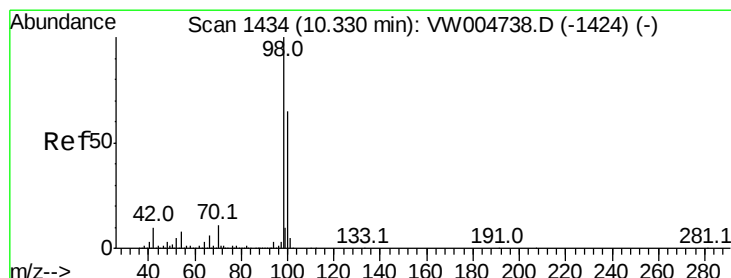
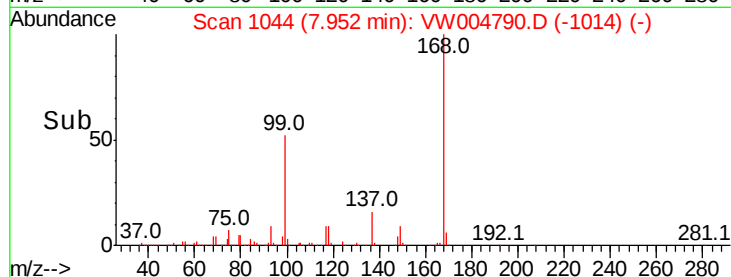
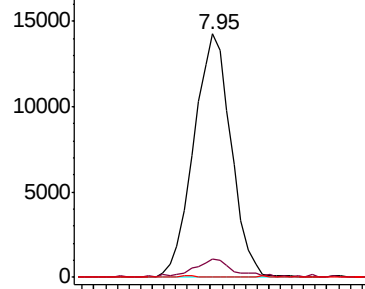
#38
Carbon Tetrachloride
Concen: 4.313 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.0	117.0#
121	0.0	24.8	37.2#

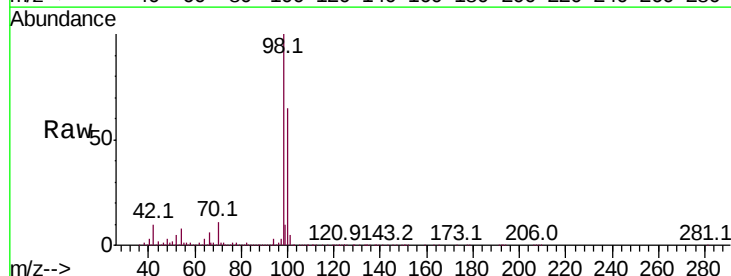


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

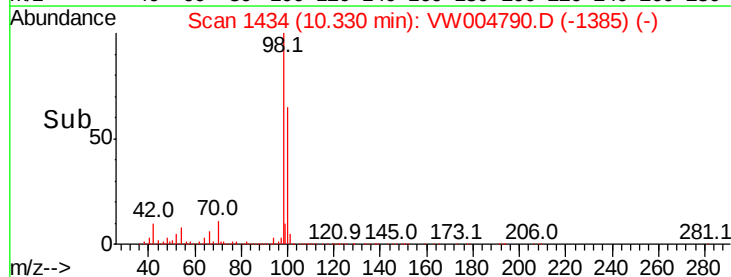
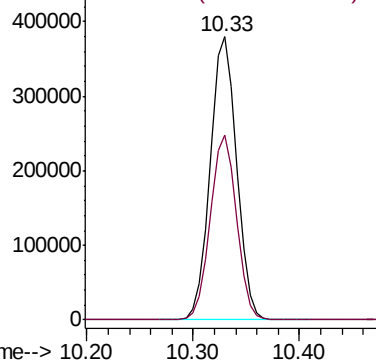


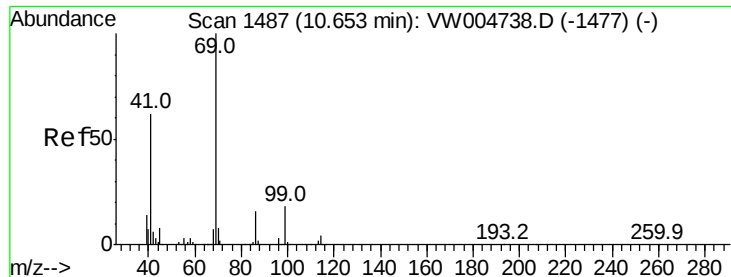
#50
Toluene-d8
Concen: 34.256 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 3.057 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

Instrument :

MSVOA_W

ClientSampled :

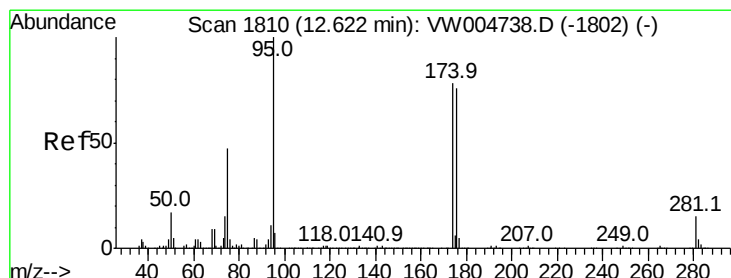
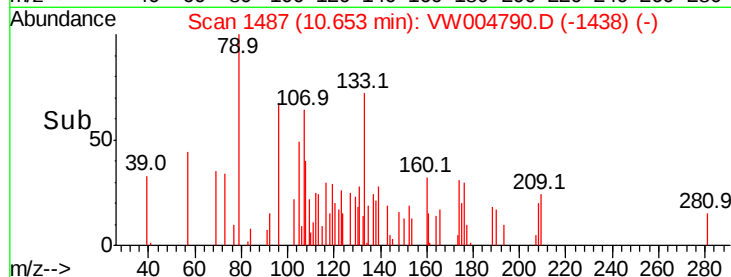
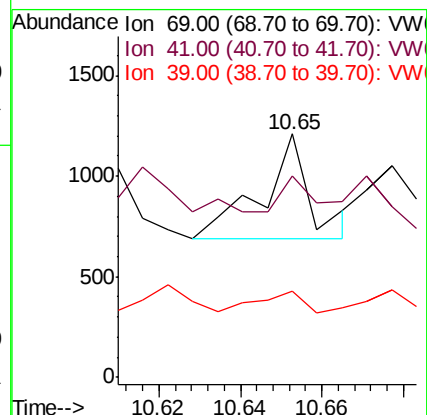
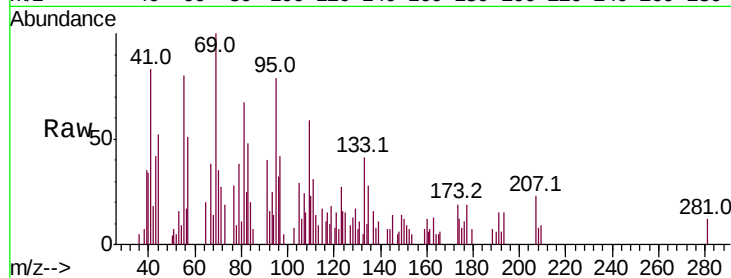
Tot Ion: 69 Resp: 429

Ion Ratio Lower Upper

69 100

41 46.6 50.7 76.1#

39 33.8 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 57.923 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

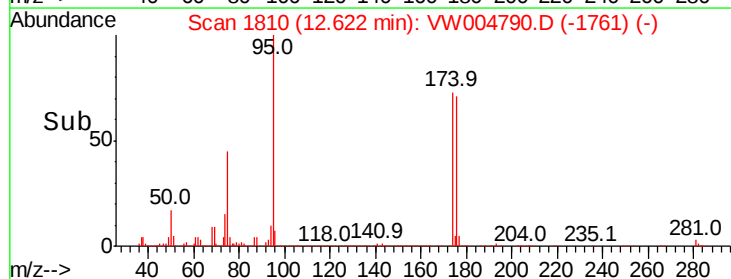
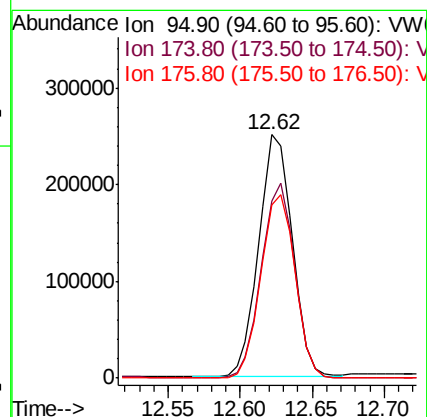
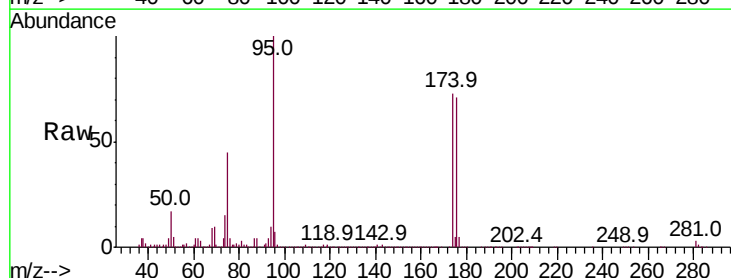
Tgt Ion: 95 Resp: 404628

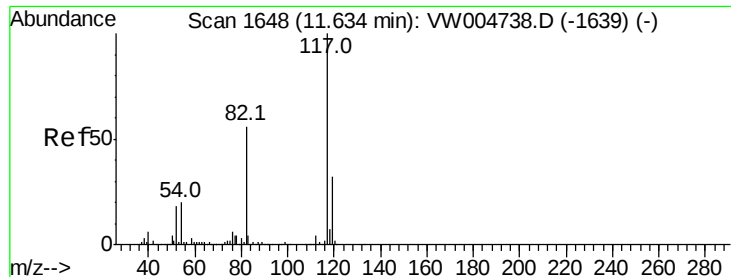
Ion Ratio Lower Upper

95 100

174 79.6 0.0 165.8

176 77.3 0.0 159.8

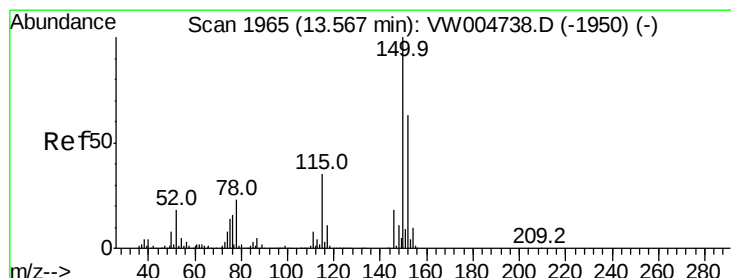
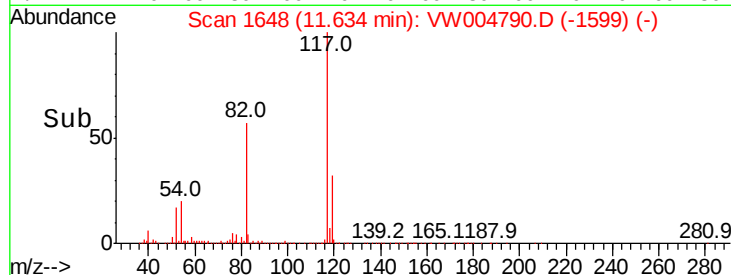
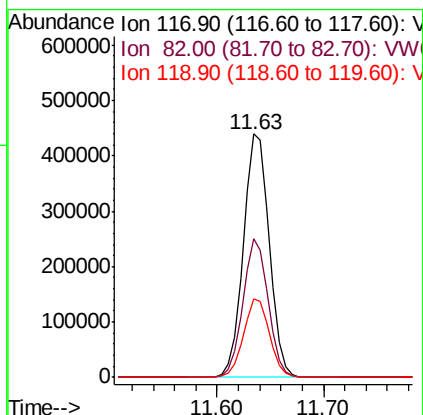
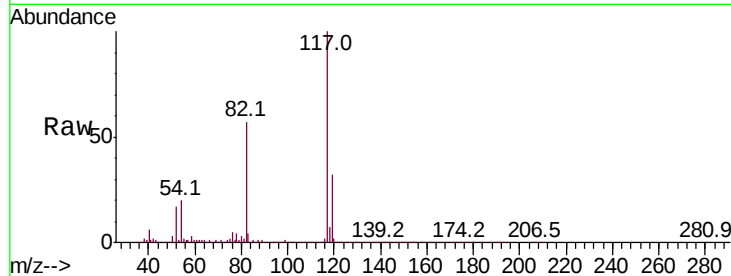




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

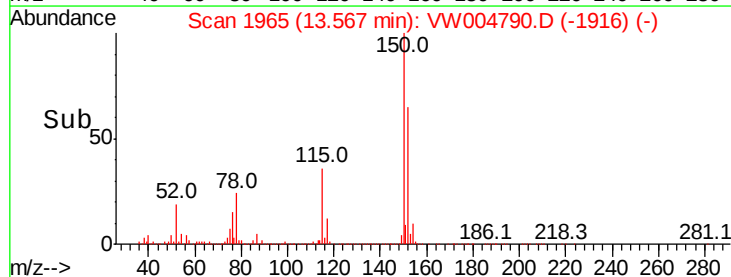
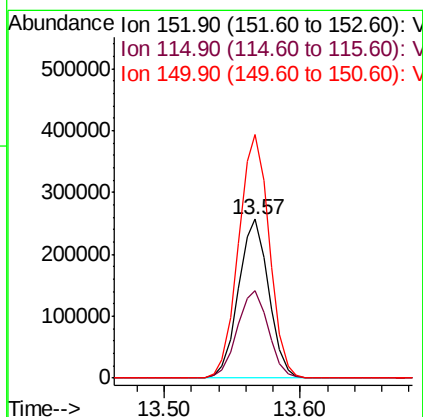
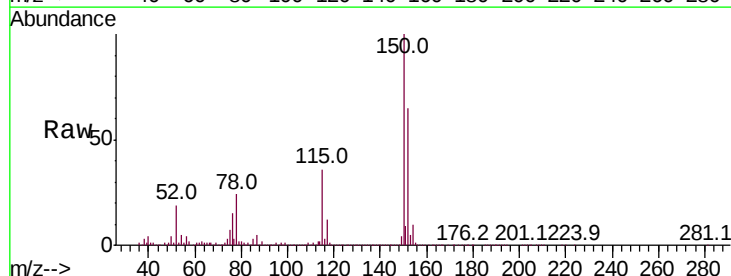
Instrument :
MSVOA_W
ClientSampled :

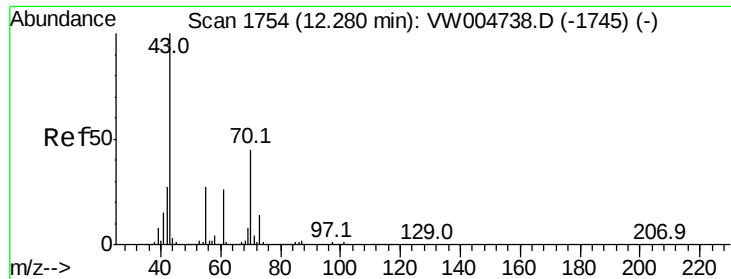
Tot Ion:117 Resp: 748799
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004790.D
Acq: 20 Aug 2018 14:54

Tgt Ion:152 Resp: 395233
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.5
150 156.9 0.0 344.8





#74

N-amvl acetate

Concen: 4.108 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 612

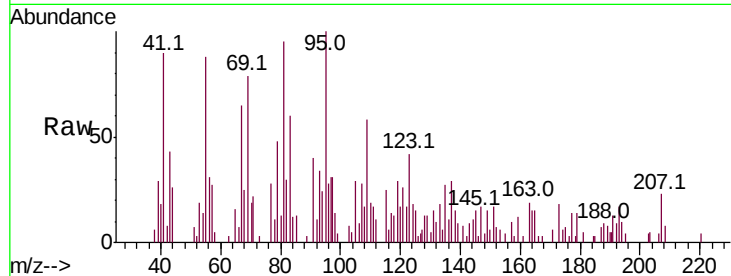
Ion Ratio Lower Upper

43 100

70 36.3 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

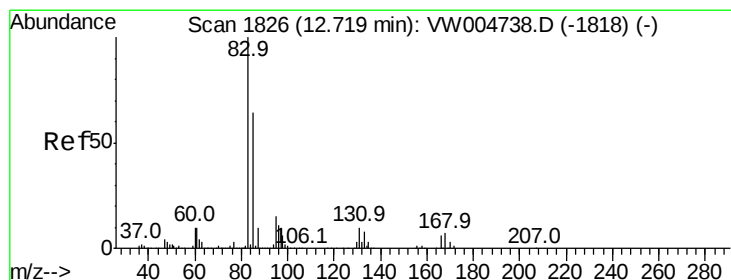
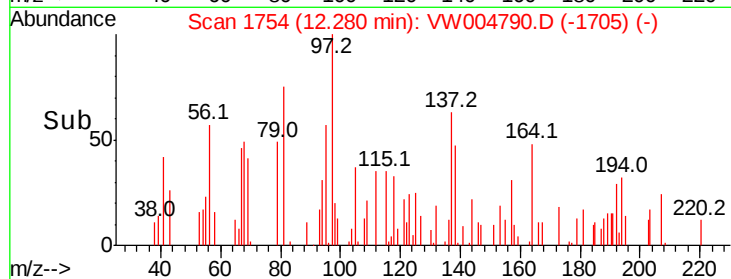
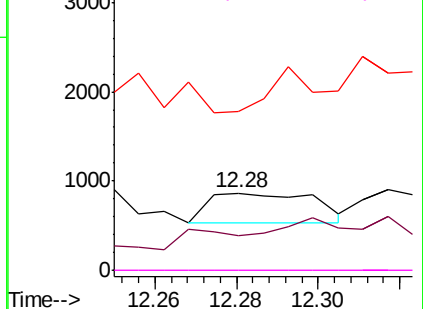


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 5.062 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

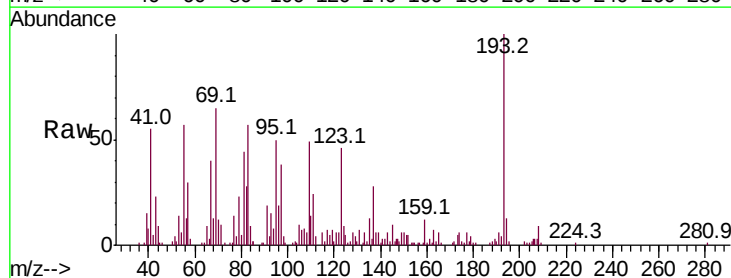
Tgt Ion: 83 Resp: 25212

Ion Ratio Lower Upper

83 100

131 1.5 5.3 15.8#

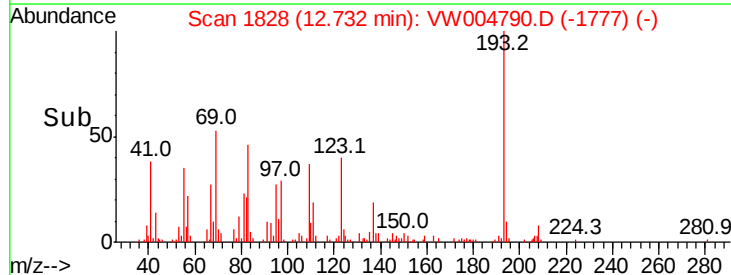
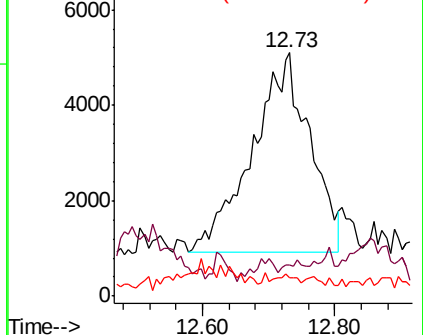
85 1.3 31.9 95.9#

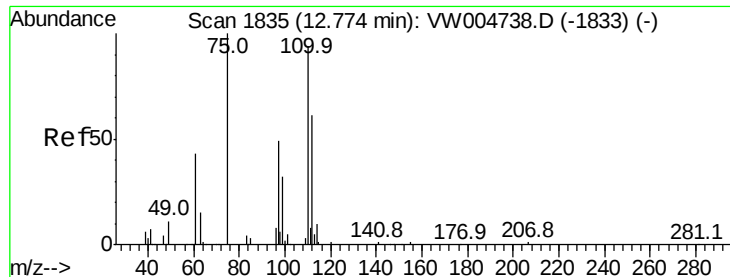


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 53.263 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

Instrument :

MSVOA_W

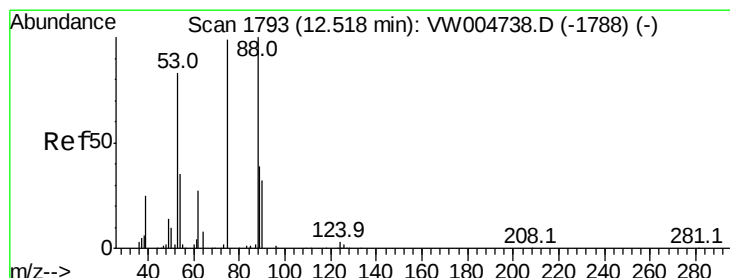
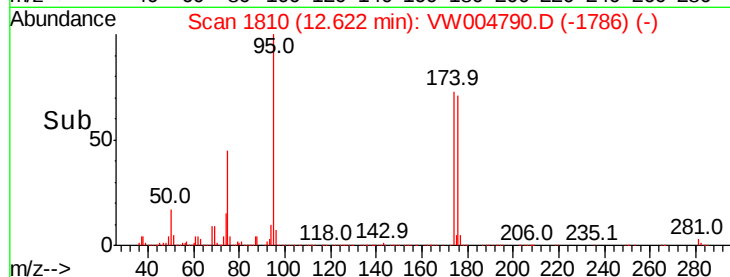
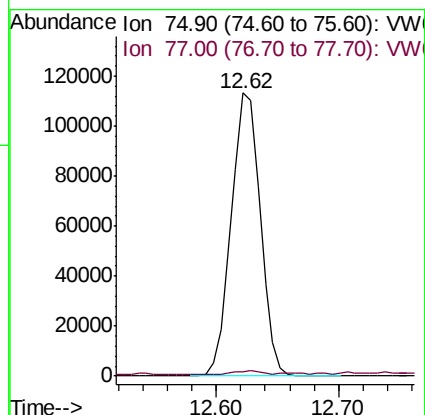
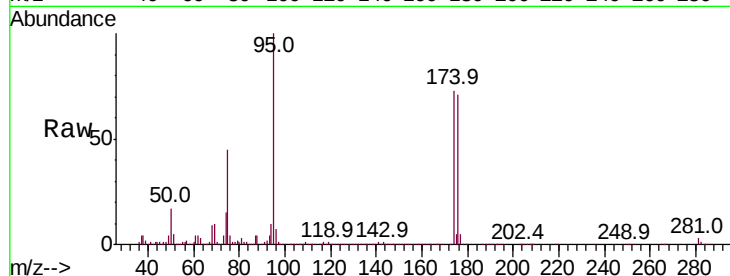
ClientSampleId :

Tot Ion: 75 Resp: 185571

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.797 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

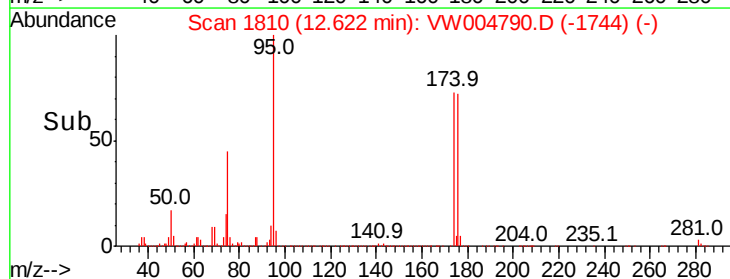
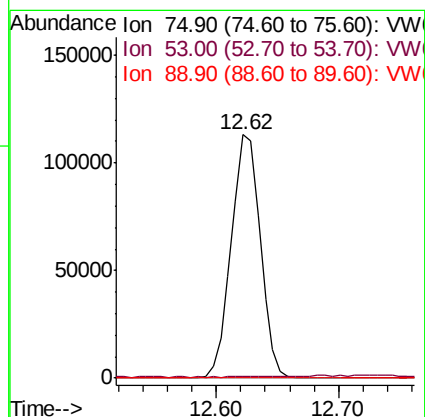
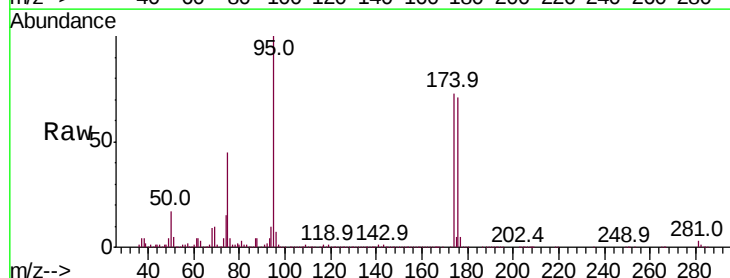
Tgt Ion: 75 Resp: 185571

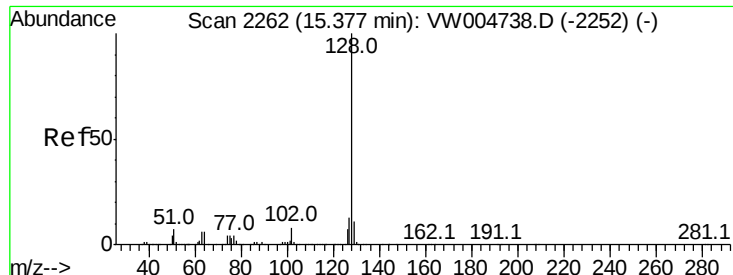
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.670 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004790.D

Acq: 20 Aug 2018 14:54

Instrument :

MSVOA_W

ClientSampleId :

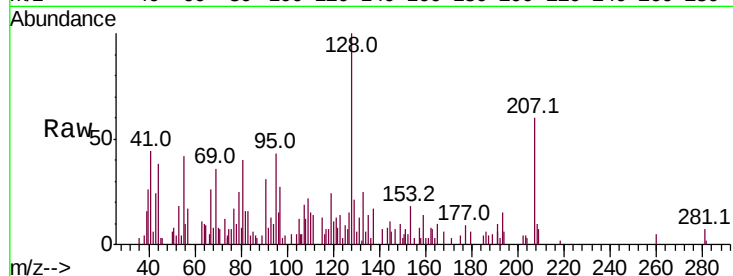
Tot Ion:128 Resp: 2849

Ion Ratio Lower Upper

128 100

127 33.2 10.4 15.6#

129 28.3 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

