

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004785.D
 Acq On : 20 Aug 2018 12:36
 Operator : SY/AP
 Sample : VW0820SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 14:26:34 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	610873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	930405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	837531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	435810	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	286299	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	7.88	113	299858	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.33	98	1183688	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	390053	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

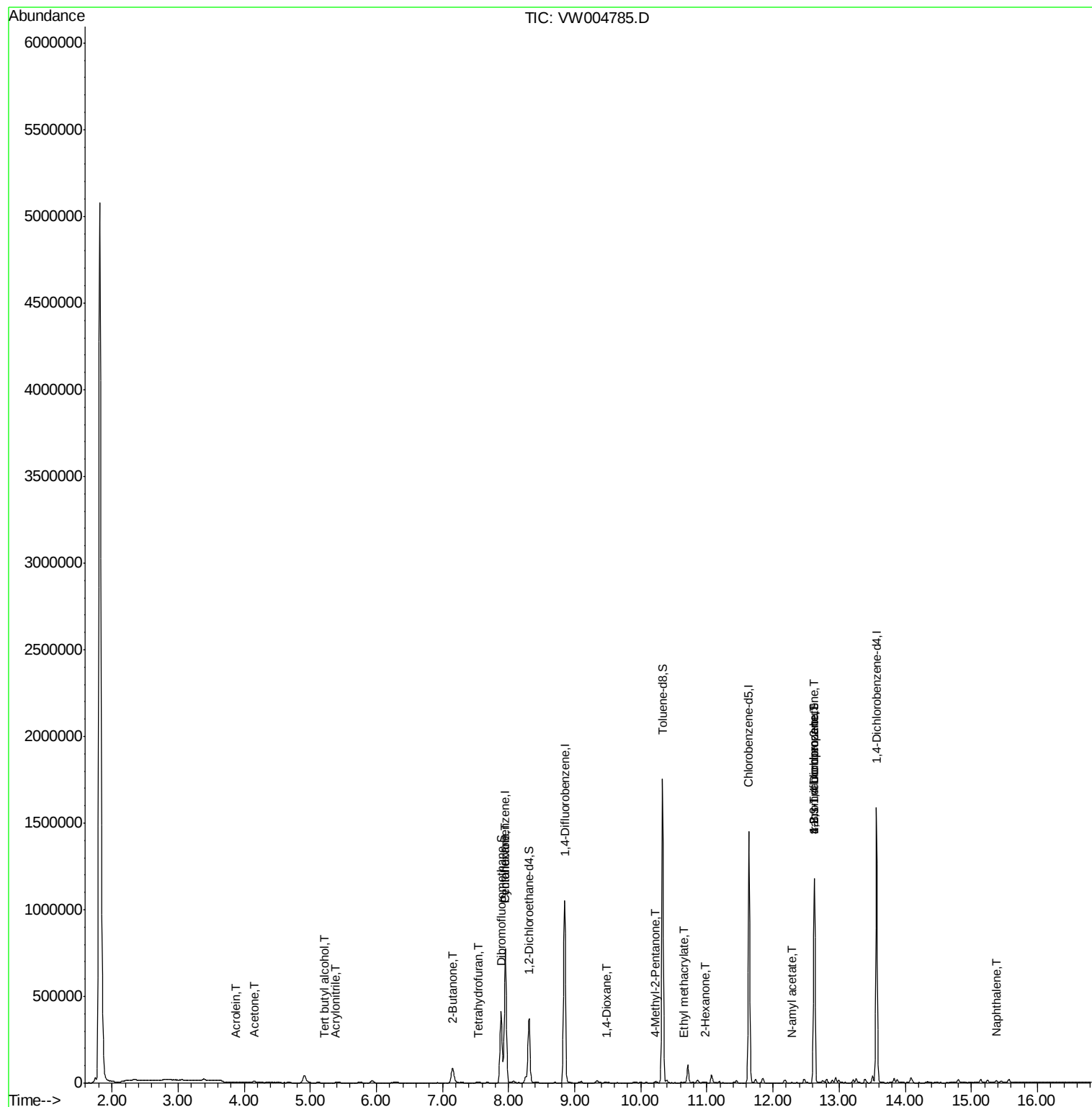
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	612	1.855	ug/l #	72
13) Acrolein	3.89	56	534	1.206	ug/l #	43
15) Acrylonitrile	5.38	53	1914	1.376	ug/l #	92
16) Acetone	4.15	43	14806	9.821	ug/l	96
25) 2-Butanone	7.16	43	4378	2.038	ug/l #	71
29) Tetrahydrofuran	7.54	42	2461	2.247	ug/l #	87
31) Cyclohexane	7.95	56	14569	1.262	ug/l #	1
49) 1,4-Dioxane	9.49	88	555	11.254	ug/l #	55
51) 4-Methyl-2-Pentanone	10.22	43	6176	1.332	ug/l	93
56) Ethyl methacrylate	10.65	69	1258	3.169	ug/l #	78
59) 2-Hexanone	10.98	43	4123	1.312	ug/l	91
74) N-amyl acetate	12.29	43	1021	4.154	ug/l #	81
76) 1,2,3-Trichloropropane	12.62	75	183602	47.791	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	183602	111.079	ug/l #	14
95) Naphthalene	15.38	128	9148	3.981	ug/l	98

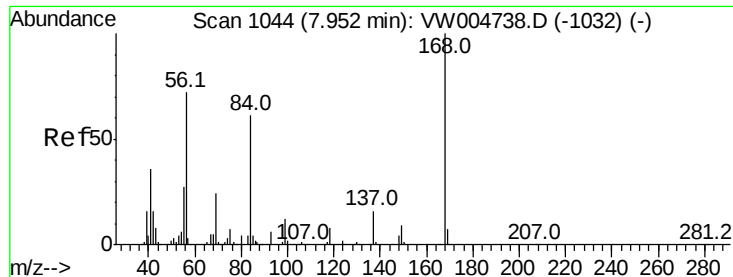
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VW004785.D

Acq: 20 Aug 2018 12:36

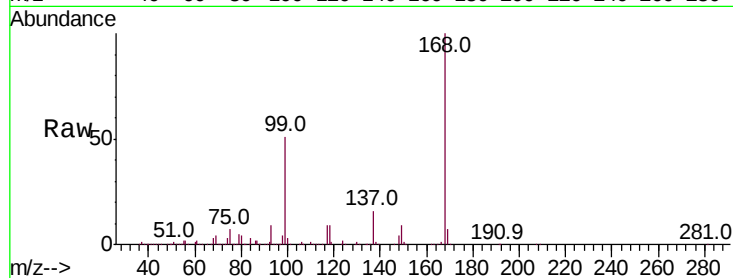
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 610873

Ion Ratio Lower Upper

168 100

99 50.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

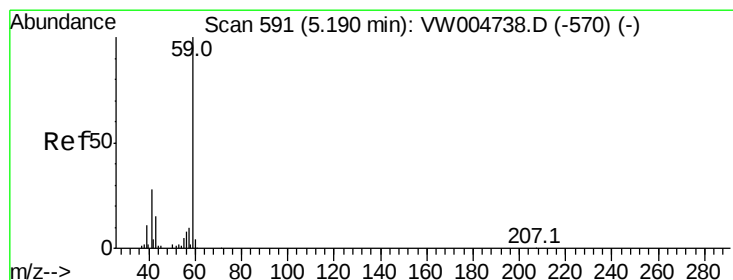
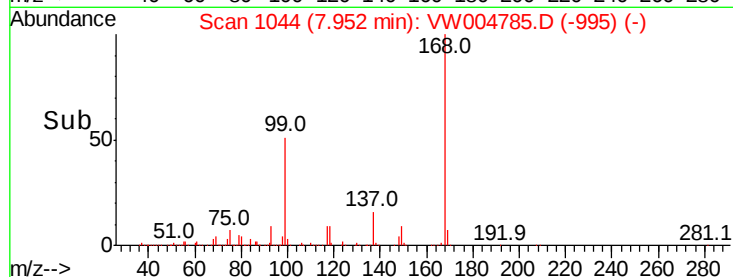
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.855 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004785.D

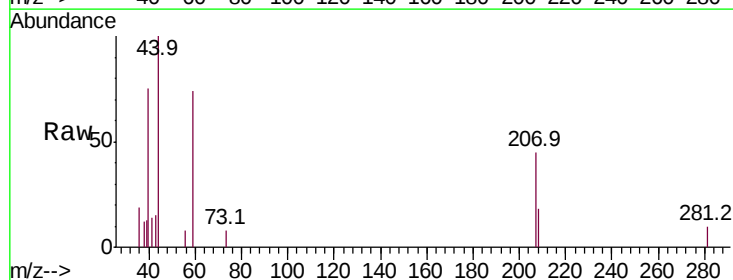
Acq: 20 Aug 2018 12:36

Tgt Ion: 59 Resp: 612

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

5.21

500

400

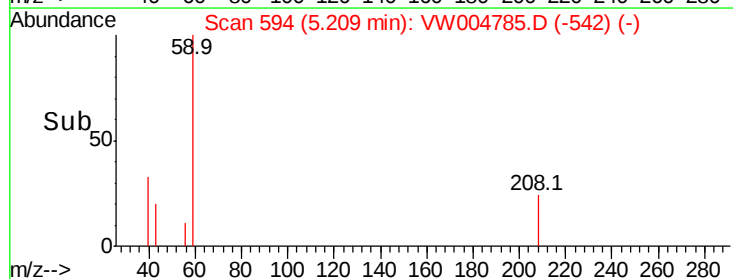
300

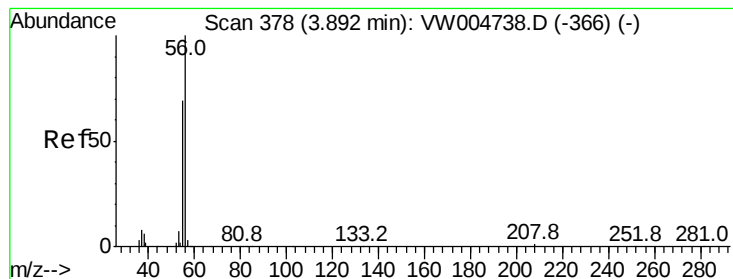
200

100

0

Time--> 5.16 5.18 5.20 5.22 5.24





#13

Acrolein

Concen: 1.206 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

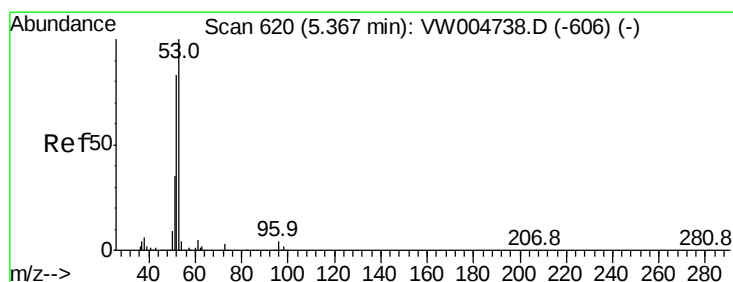
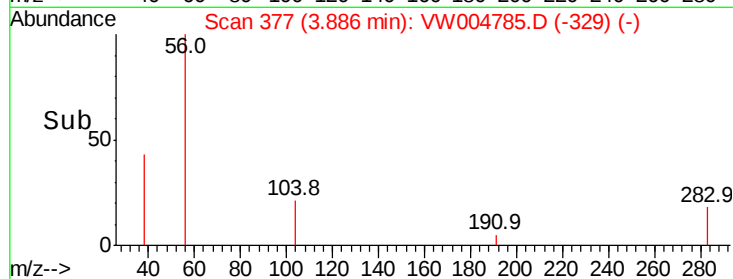
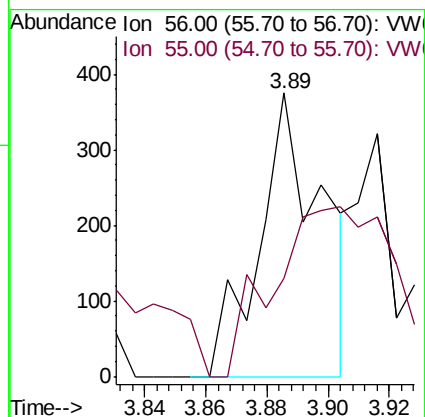
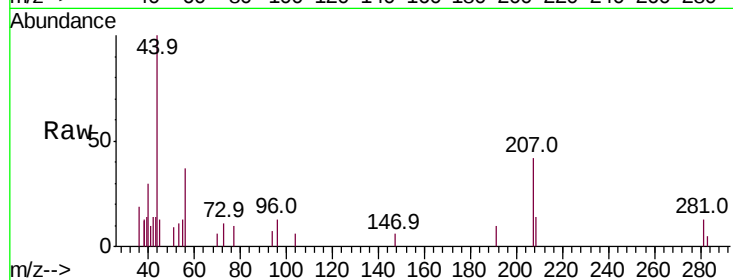
ClientSampled :

Tot Ion: 56 Resp: 534

Ion Ratio Lower Upper

56 100

55 116.9 56.1 84.1#



#15

Acrylonitrile

Concen: 1.376 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

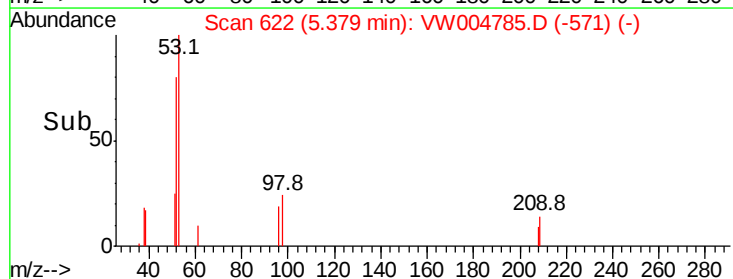
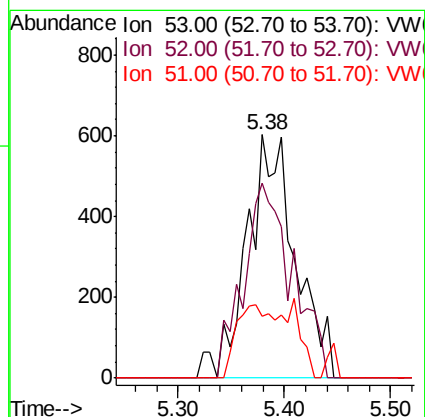
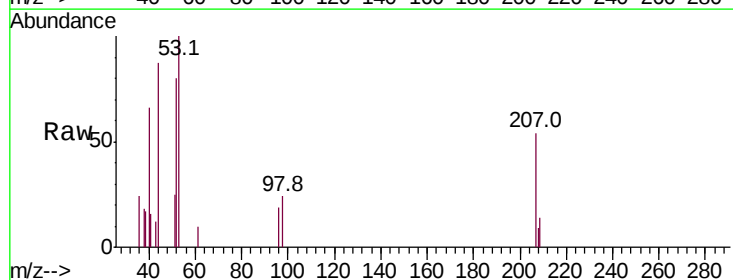
Tgt Ion: 53 Resp: 1914

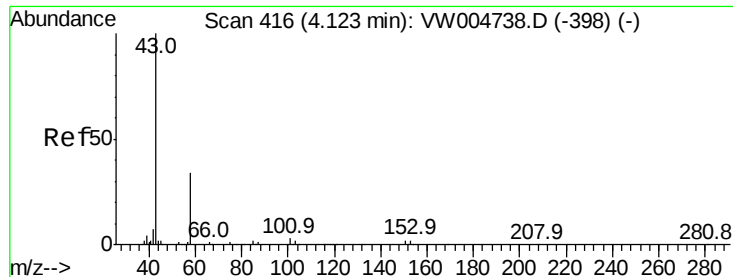
Ion Ratio Lower Upper

53 100

52 80.8 65.8 98.6

51 22.5 28.7 43.1#

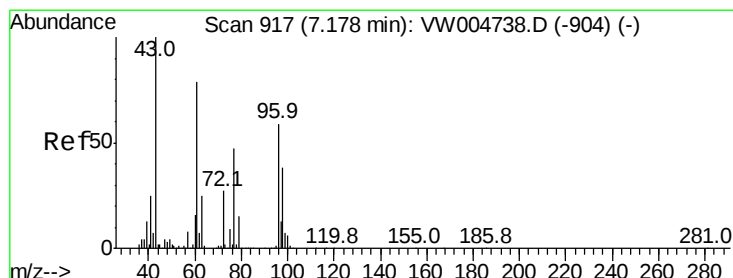
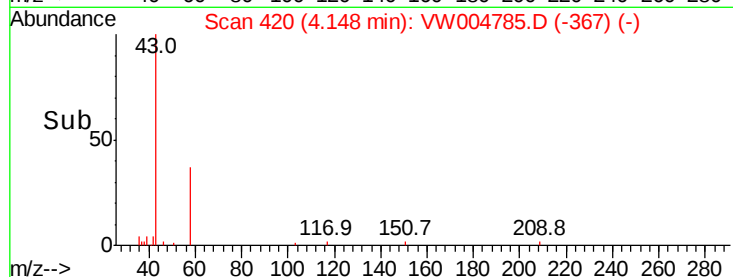
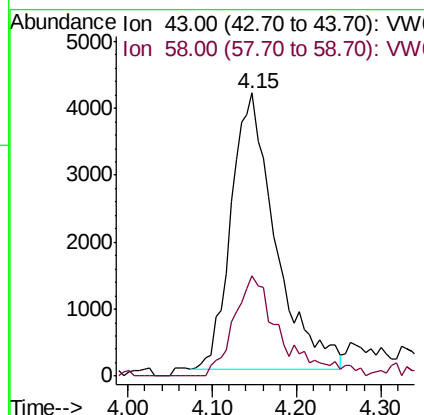
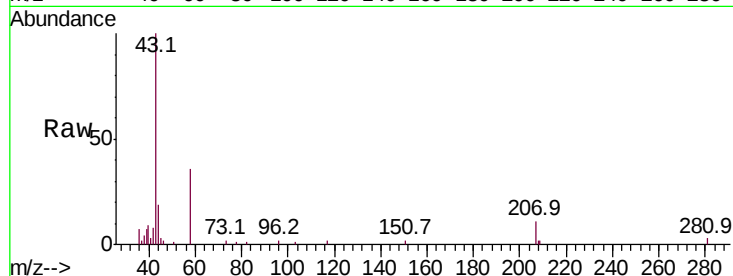




#16
Acetone
Concen: 9.821 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.02 min
Lab File: VW004785.D
Acq: 20 Aug 2018 12:36

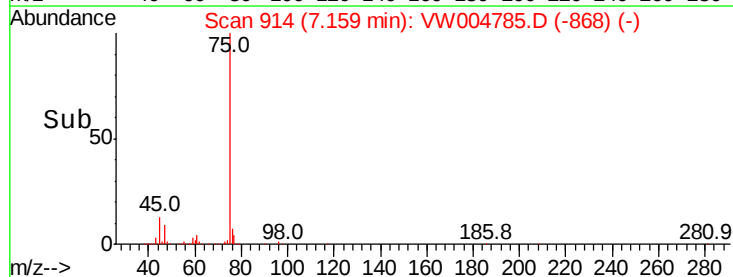
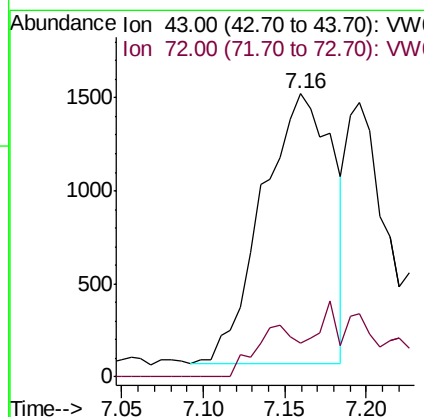
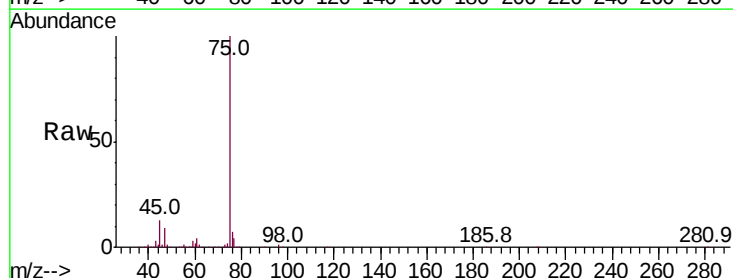
Instrument :
MSVOA_W
ClientSampled :

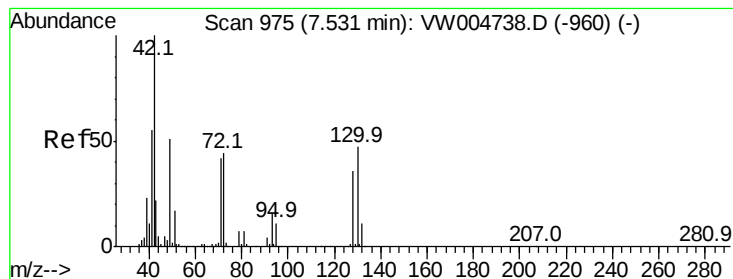
Tot Ion: 43 Resp: 14806
Ion Ratio Lower Upper
43 100
58 36.5 27.3 40.9



#25
2-Butanone
Concen: 2.038 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004785.D
Acq: 20 Aug 2018 12:36

Tgt Ion: 43 Resp: 4378
Ion Ratio Lower Upper
43 100
72 12.5 22.0 33.0#





#29

Tetrahydrofuran

Concen: 2.247 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004785.D

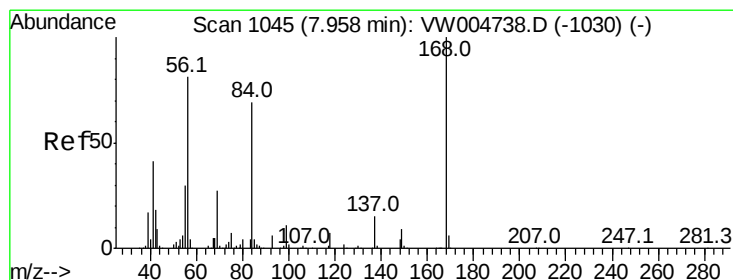
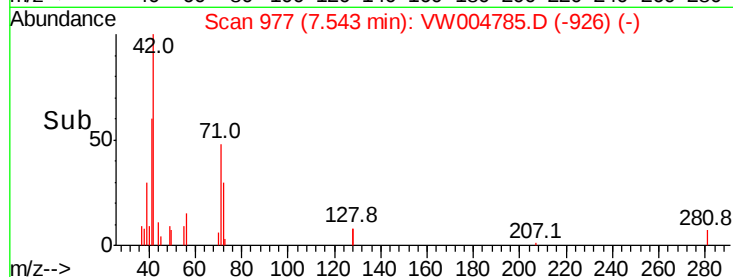
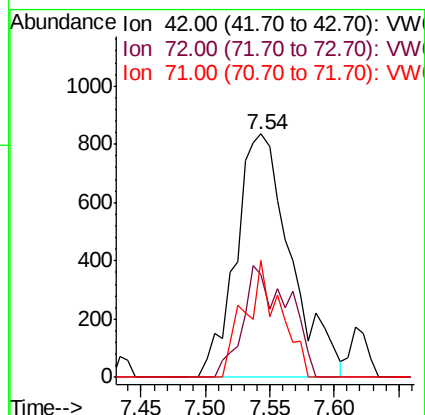
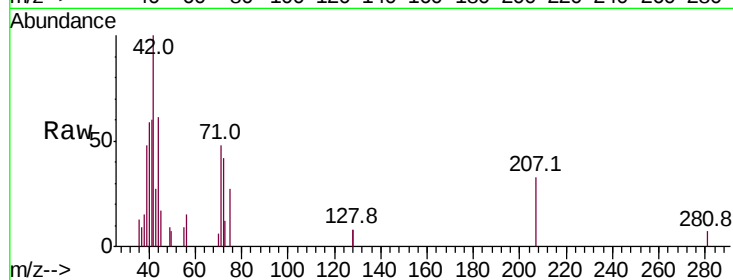
Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	42	Resp:	2461
Ion	Ratio	Lower	Upper
42	100		
72	38.1	34.9	52.3
71	31.5	33.8	50.6#



#31

Cyclohexane

Concen: 1.262 ug/l

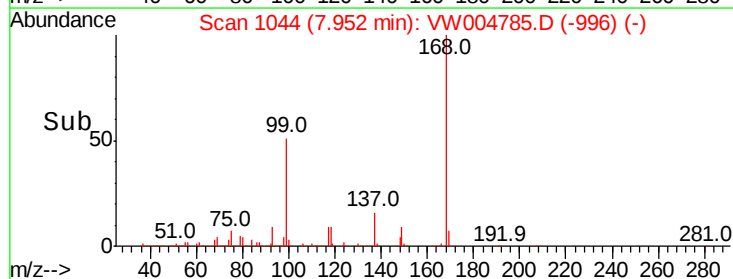
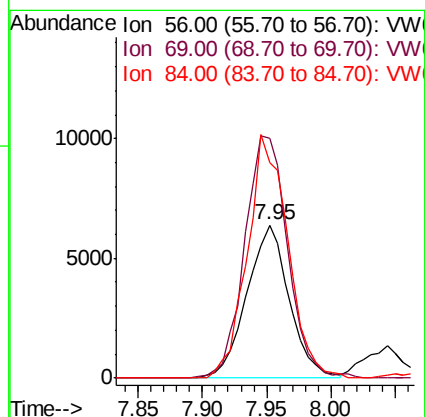
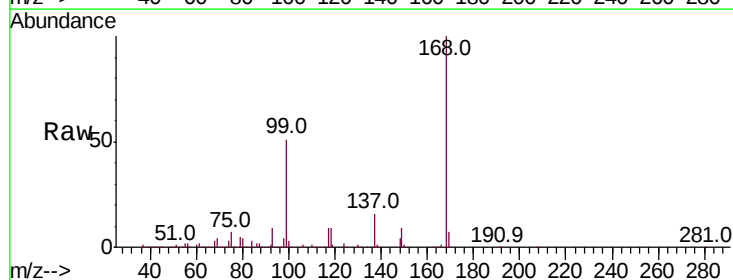
RT: 7.95 min Scan# 1044

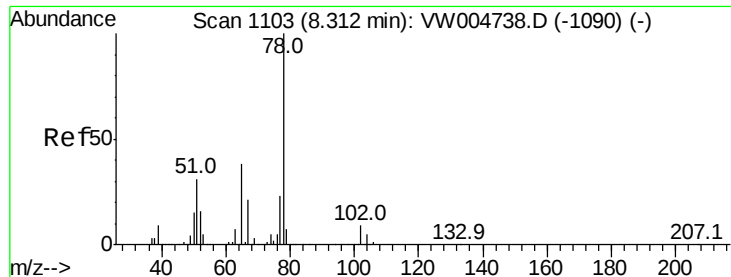
Delta R.T. -0.01 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Tgt Ion:	56	Resp:	14569
Ion	Ratio	Lower	Upper
56	100		
69	156.7	27.1	40.7#
84	140.7	68.3	102.5#





#33

1,2-Dichloroethane-d4

Concen: 48.476 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

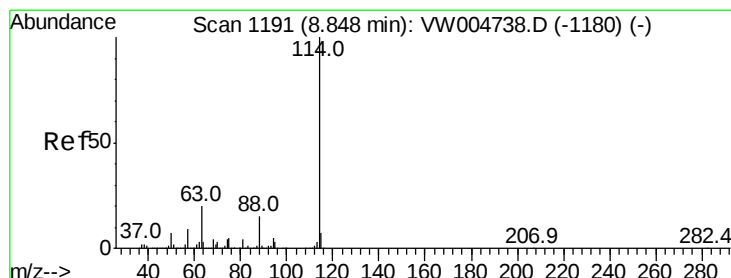
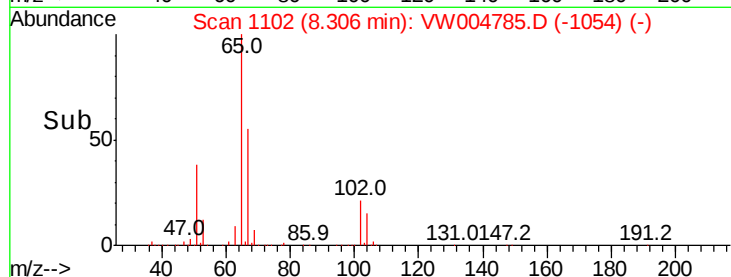
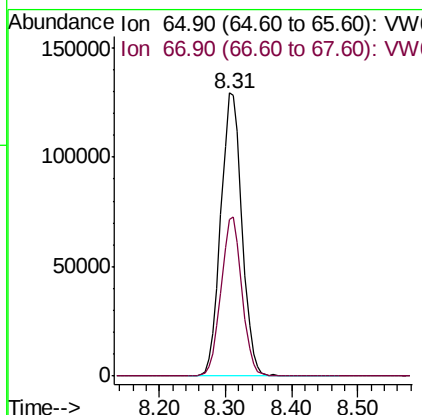
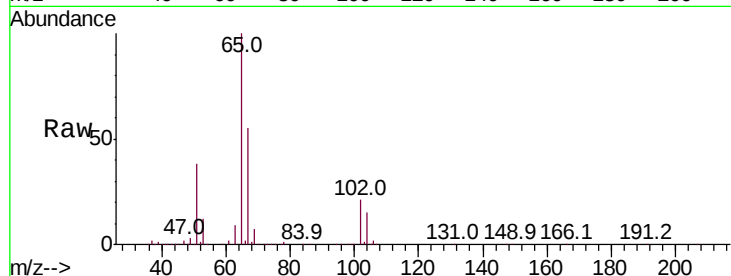
Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 286299

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

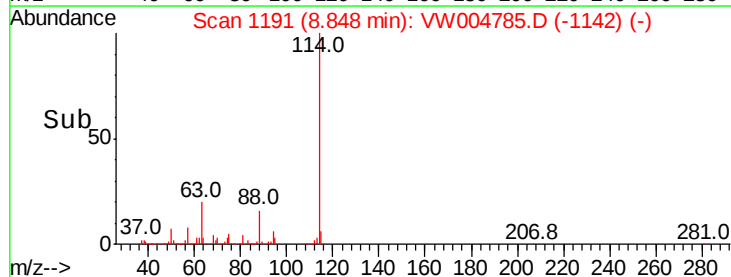
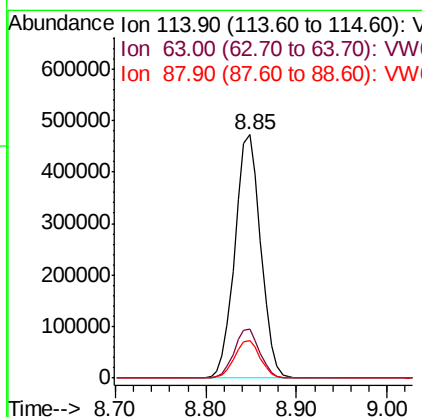
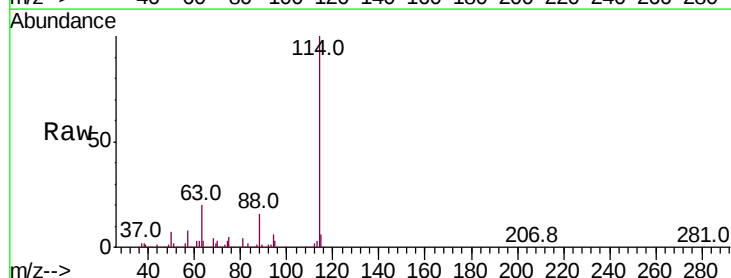
Delta R.T. 0.00 min

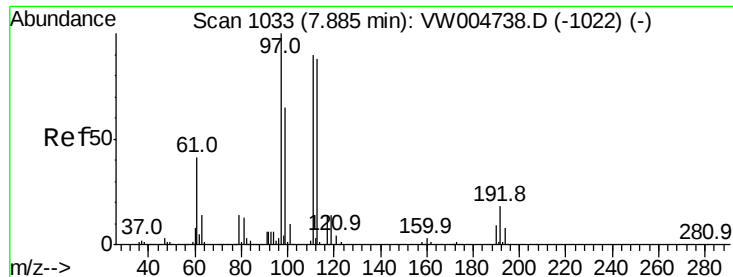
Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Tgt Ion: 114 Resp: 930405

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	15.5	0.0	30.0

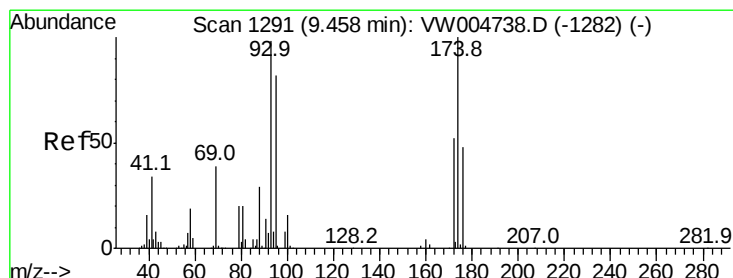
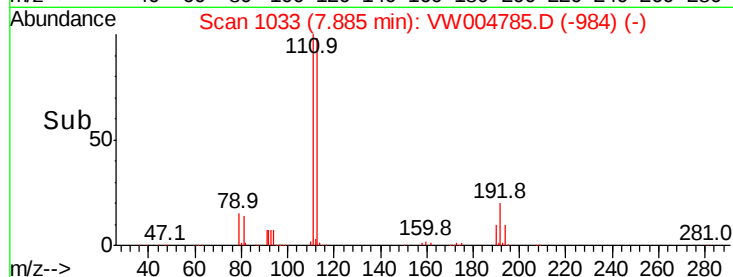
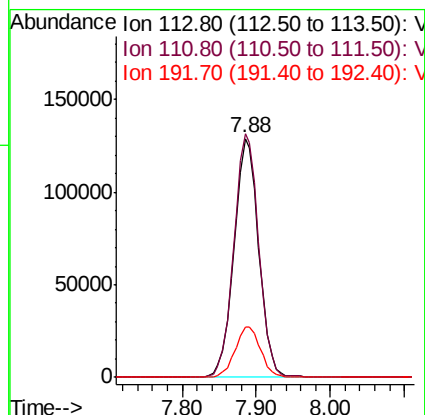
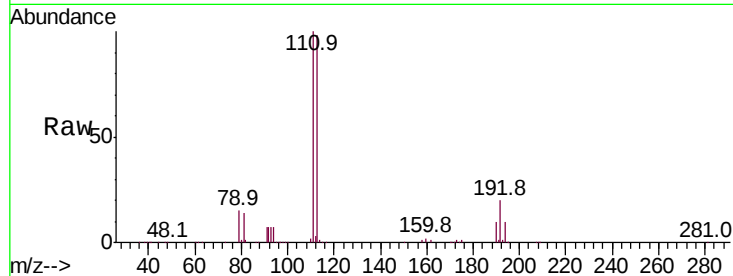




#35
 Dibromofluoromethane
 Concen: 50.426 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004785.D
 Acq: 20 Aug 2018 12:36

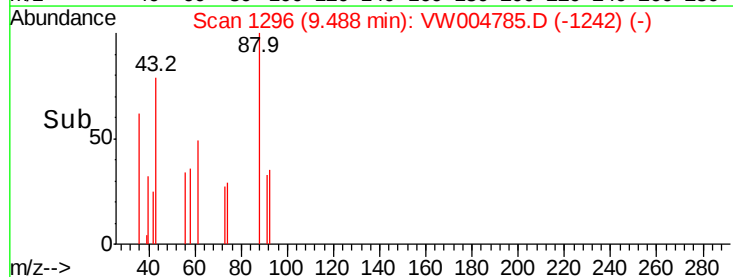
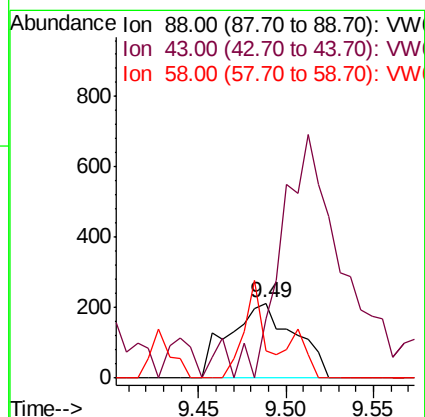
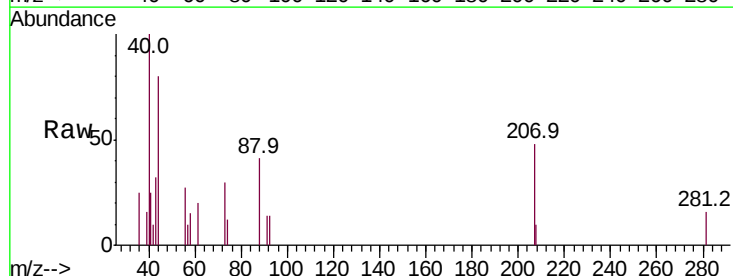
Instrument :
 MSVOA_W
 ClientSampleId :

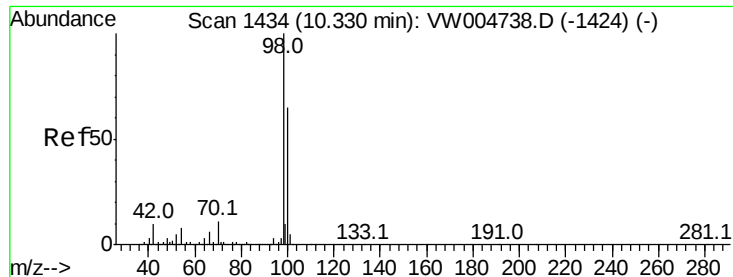
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.6	16.7	25.1



#49
 1,4-Dioxane
 Concen: 11.254 ug/l
 RT: 9.49 min Scan# 1296
 Delta R.T. 0.03 min
 Lab File: VW004785.D
 Acq: 20 Aug 2018 12:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	40.0	60.0	90.0#





#50

Toluene-d8

Concen: 50.993 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

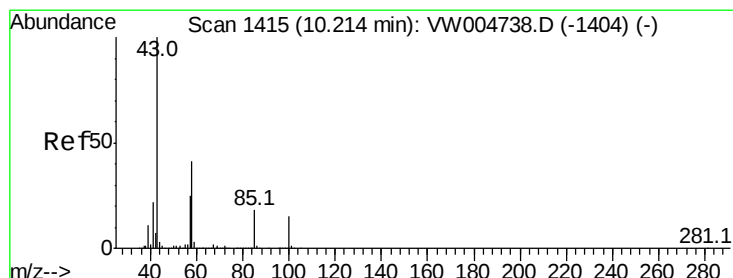
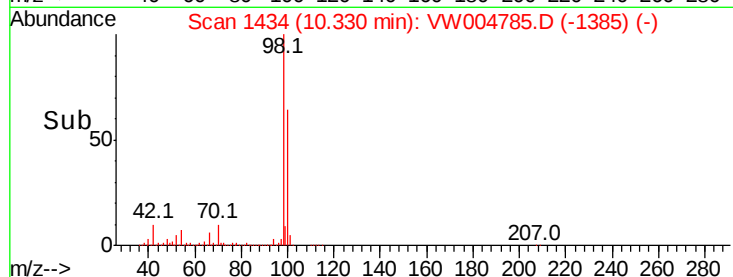
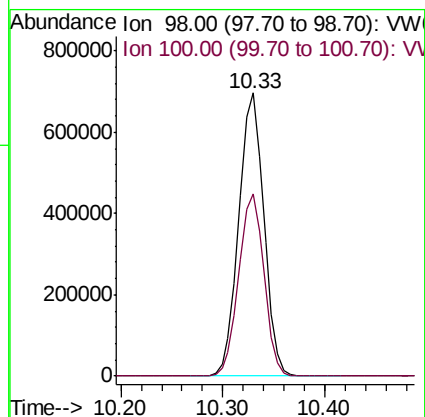
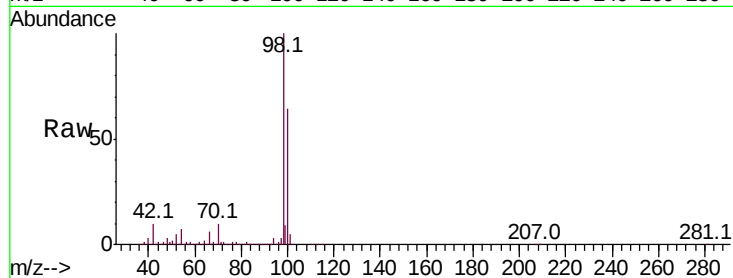
ClientSampleId :

Tot Ion: 98 Resp: 1183688

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.332 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004785.D

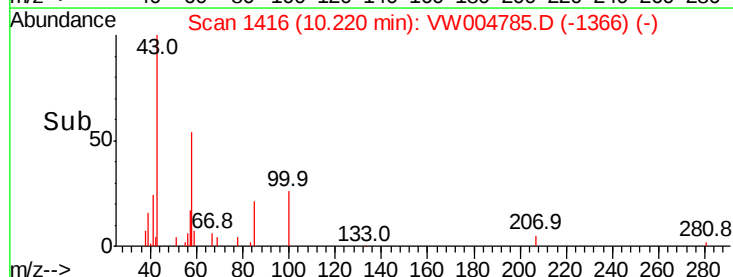
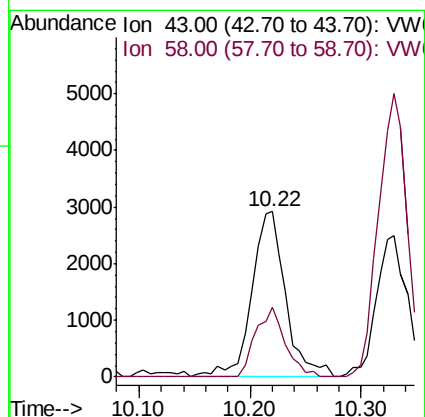
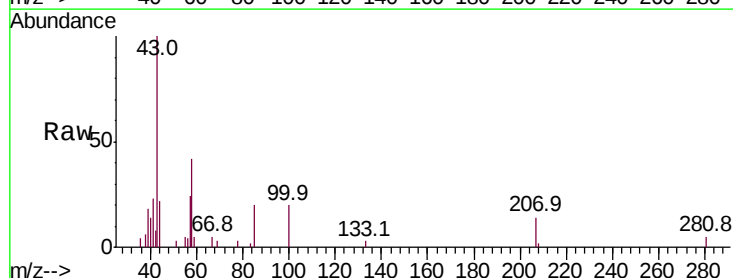
Acq: 20 Aug 2018 12:36

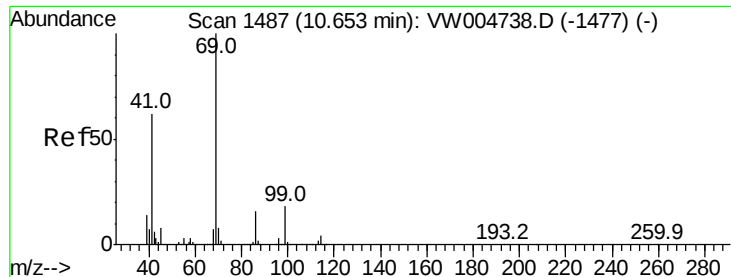
Tgt Ion: 43 Resp: 6176

Ion Ratio Lower Upper

43 100

58 36.8 32.7 49.1





#56

Ethyl methacrylate

Concen: 3.169 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

ClientSampled :

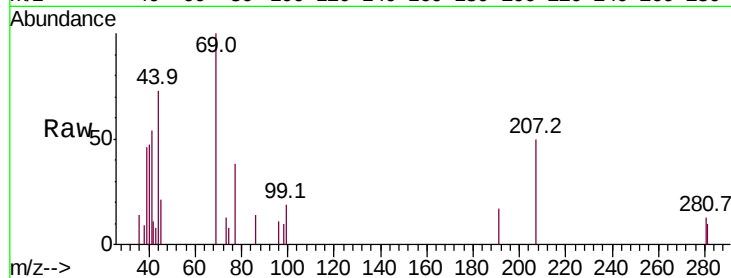
Tot Ion: 69 Resp: 1258

Ion Ratio Lower Upper

69 100

41 79.7 50.7 76.1#

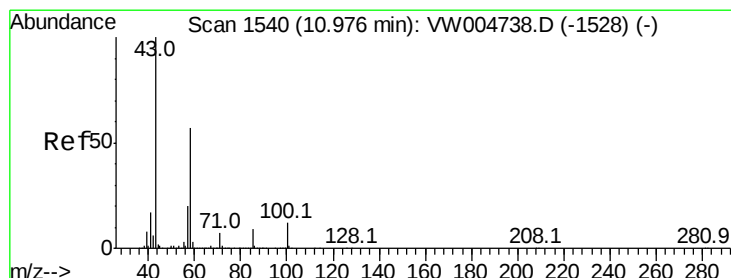
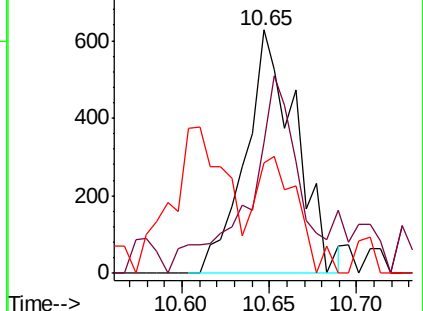
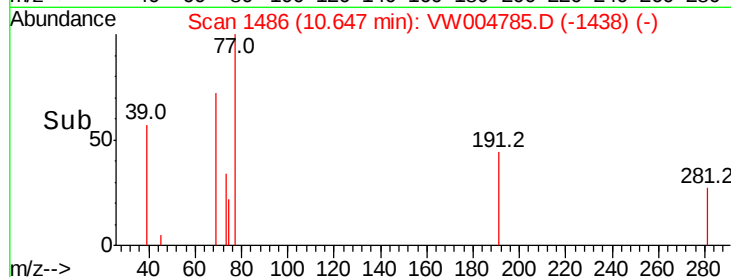
39 40.2 21.4 32.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#59

2-Hexanone

Concen: 1.312 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004785.D

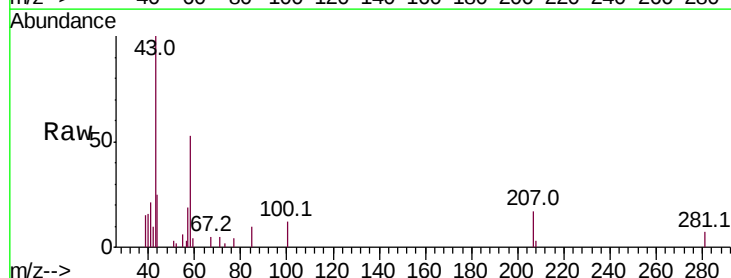
Acq: 20 Aug 2018 12:36

Tgt Ion: 43 Resp: 4123

Ion Ratio Lower Upper

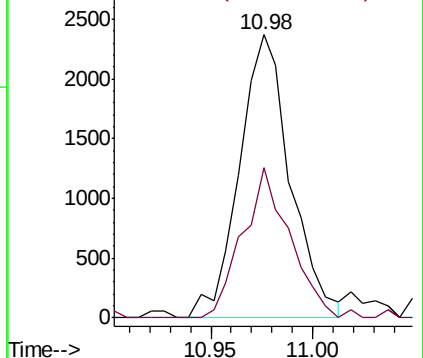
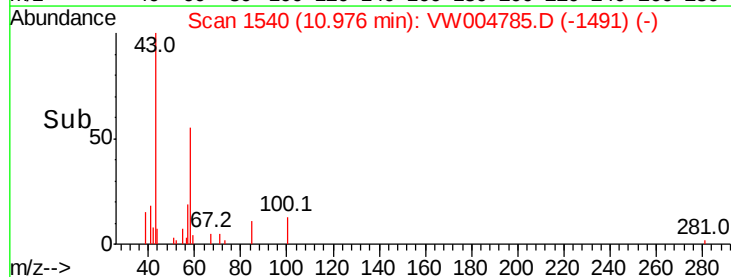
43 100

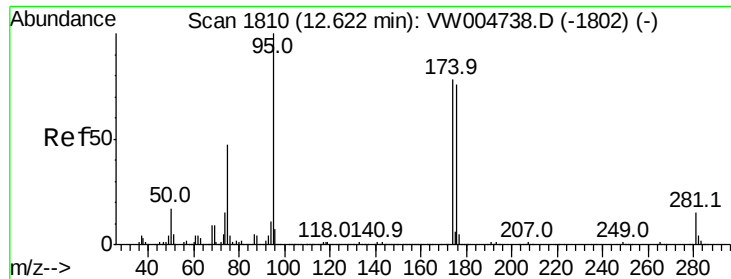
58 49.6 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

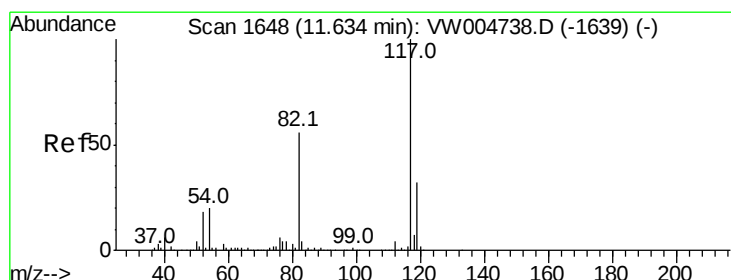
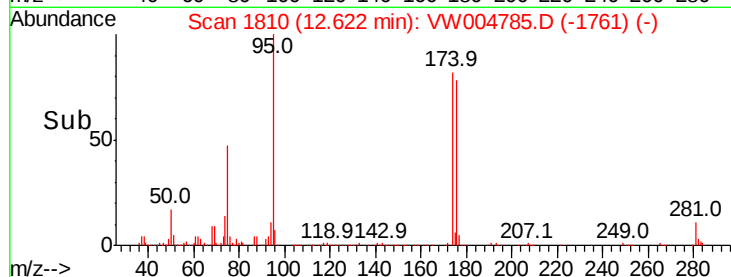
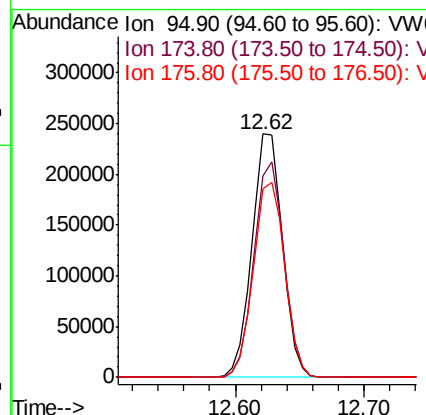
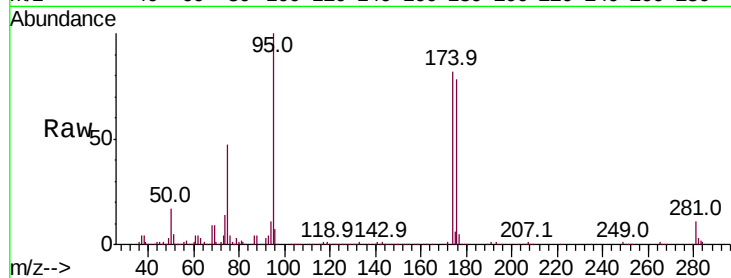




#62
4-Bromofluorobenzene
Concen: 46.707 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004785.D
Acq: 20 Aug 2018 12:36

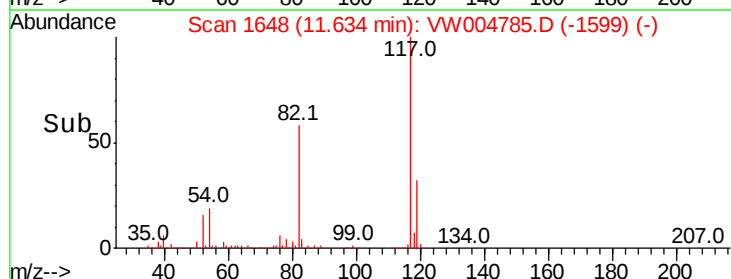
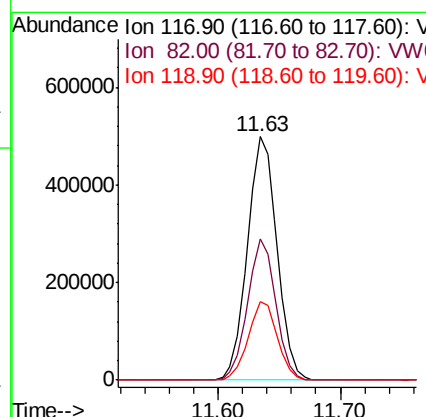
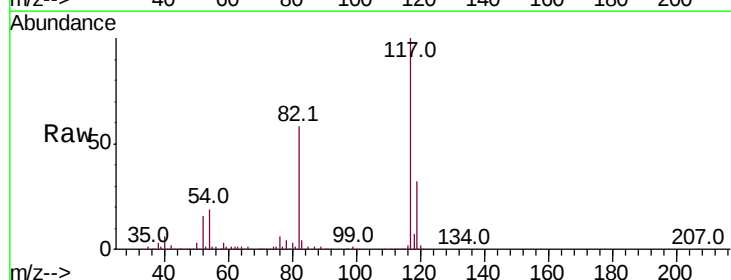
Instrument :
MSVOA_W
ClientSampleId :

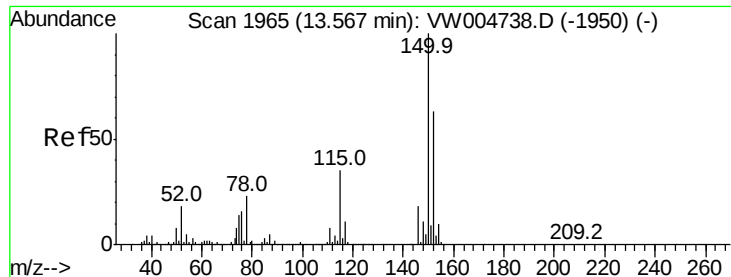
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	165.8
176	82.4	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004785.D
Acq: 20 Aug 2018 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.6	67.0
119	32.0	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: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

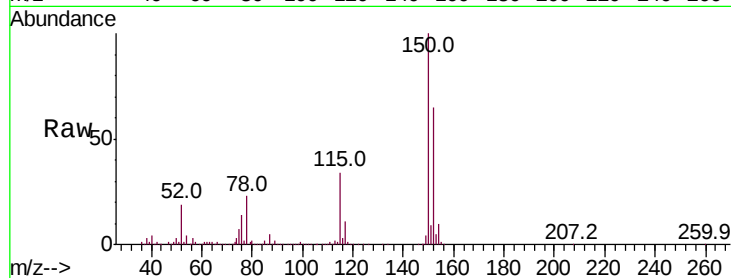
Tot Ion:152 Resp: 435810

Ion Ratio Lower Upper

152 100

115 53.7 28.5 85.5

150 152.9 0.0 344.8

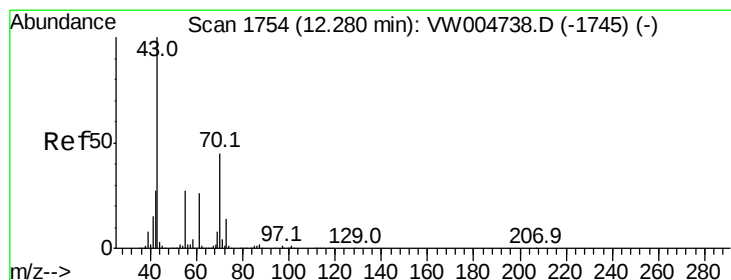
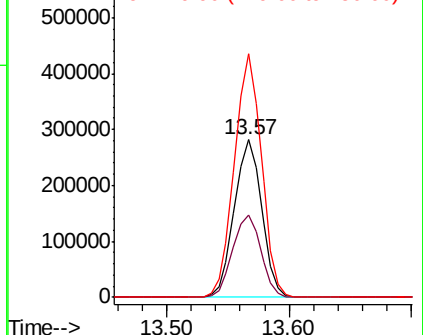
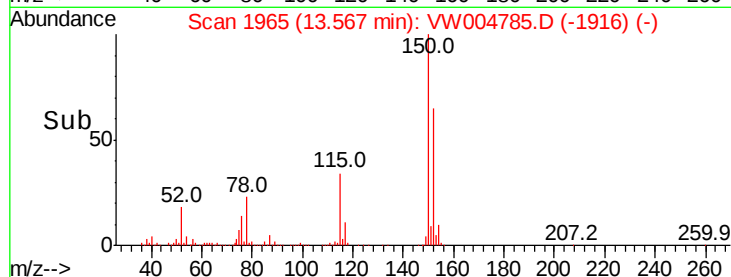


Abundance

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: 4.154 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Tgt Ion: 43 Resp: 1021

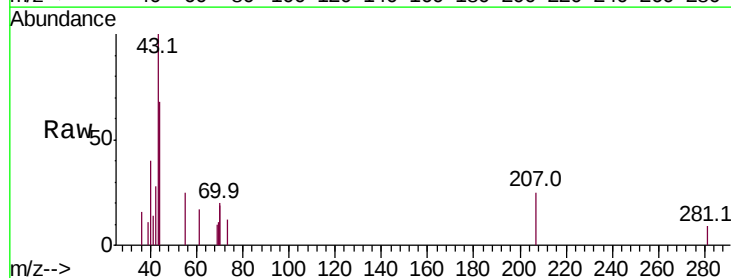
Ion Ratio Lower Upper

43 100

70 52.6 36.3 54.5

55 46.7 22.6 33.8#

61 18.0 20.2 30.4#



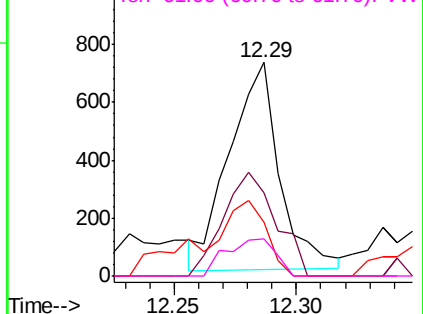
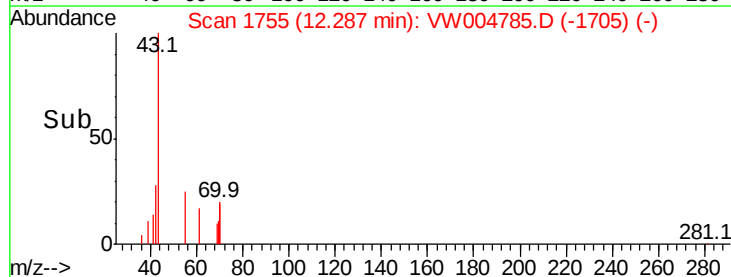
Abundance

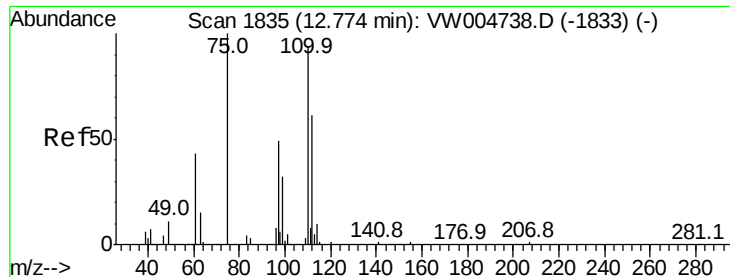
Ion 43.00 (42.70 to 43.70): VW

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





#76

1,2,3-Trichloropropane

Concen: 47.791 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

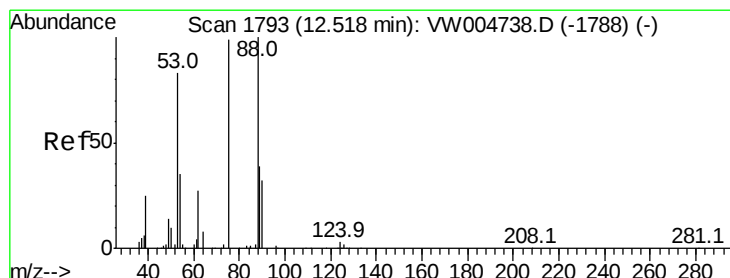
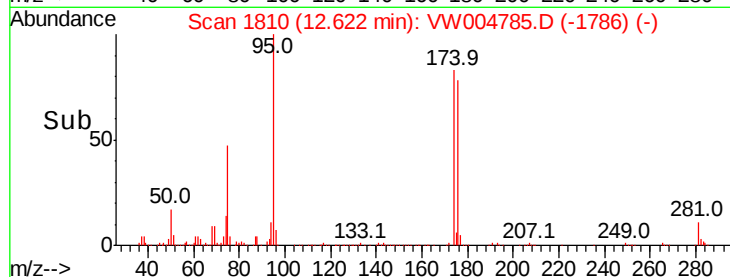
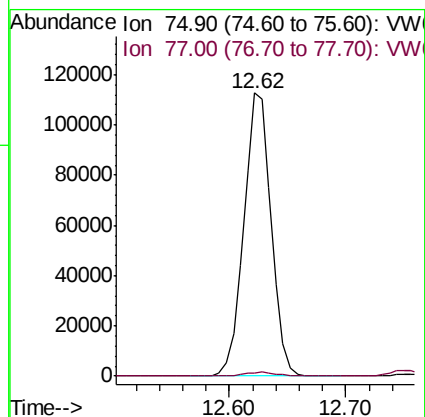
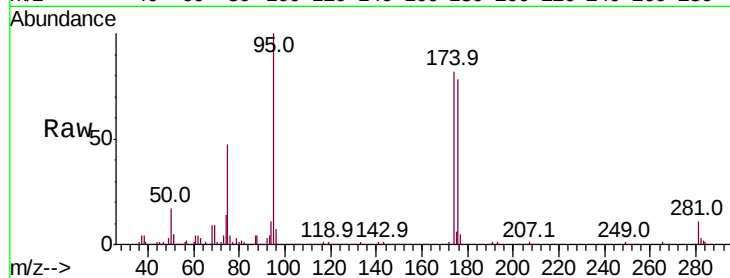
ClientSampleId :

Tot Ion: 75 Resp: 183602

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.079 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

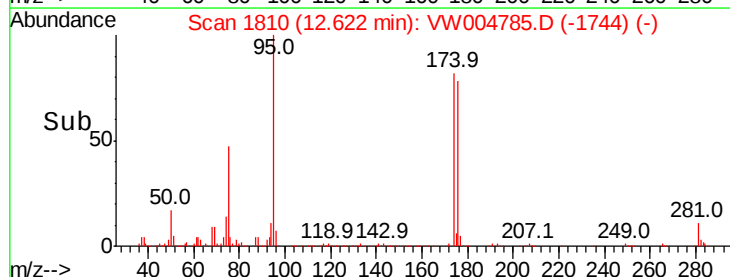
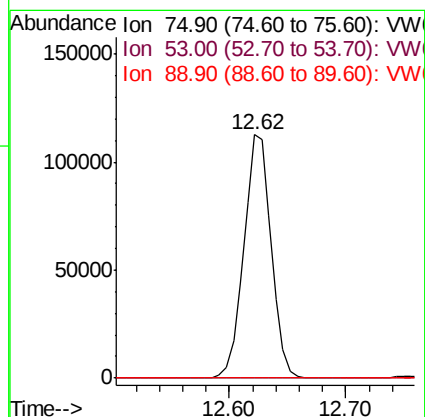
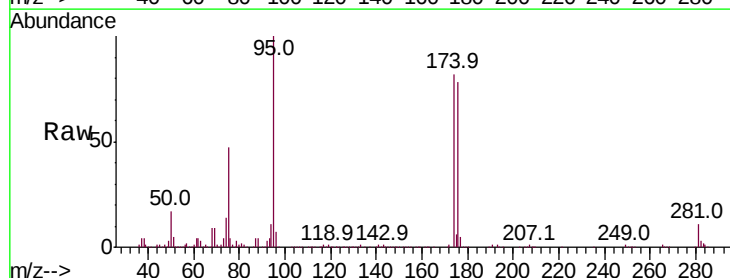
Tgt Ion: 75 Resp: 183602

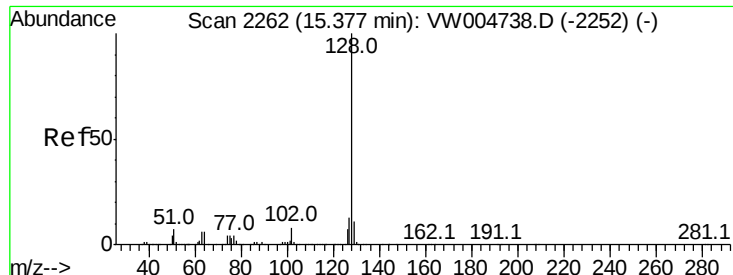
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.981 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004785.D

Acq: 20 Aug 2018 12:36

Instrument :

MSVOA_W

ClientSampleId :

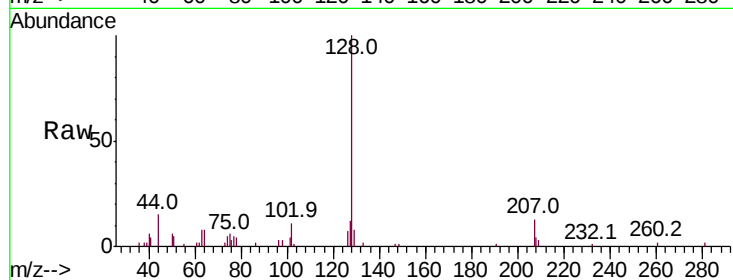
Tot Ion:128 Resp: 9148

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 11.3 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

