

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009695.D
 Acq On : 04 Apr 2019 14:39
 Operator : SY/VA
 Sample : K2209-01RE
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E-6

Quant Time: Apr 05 05:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

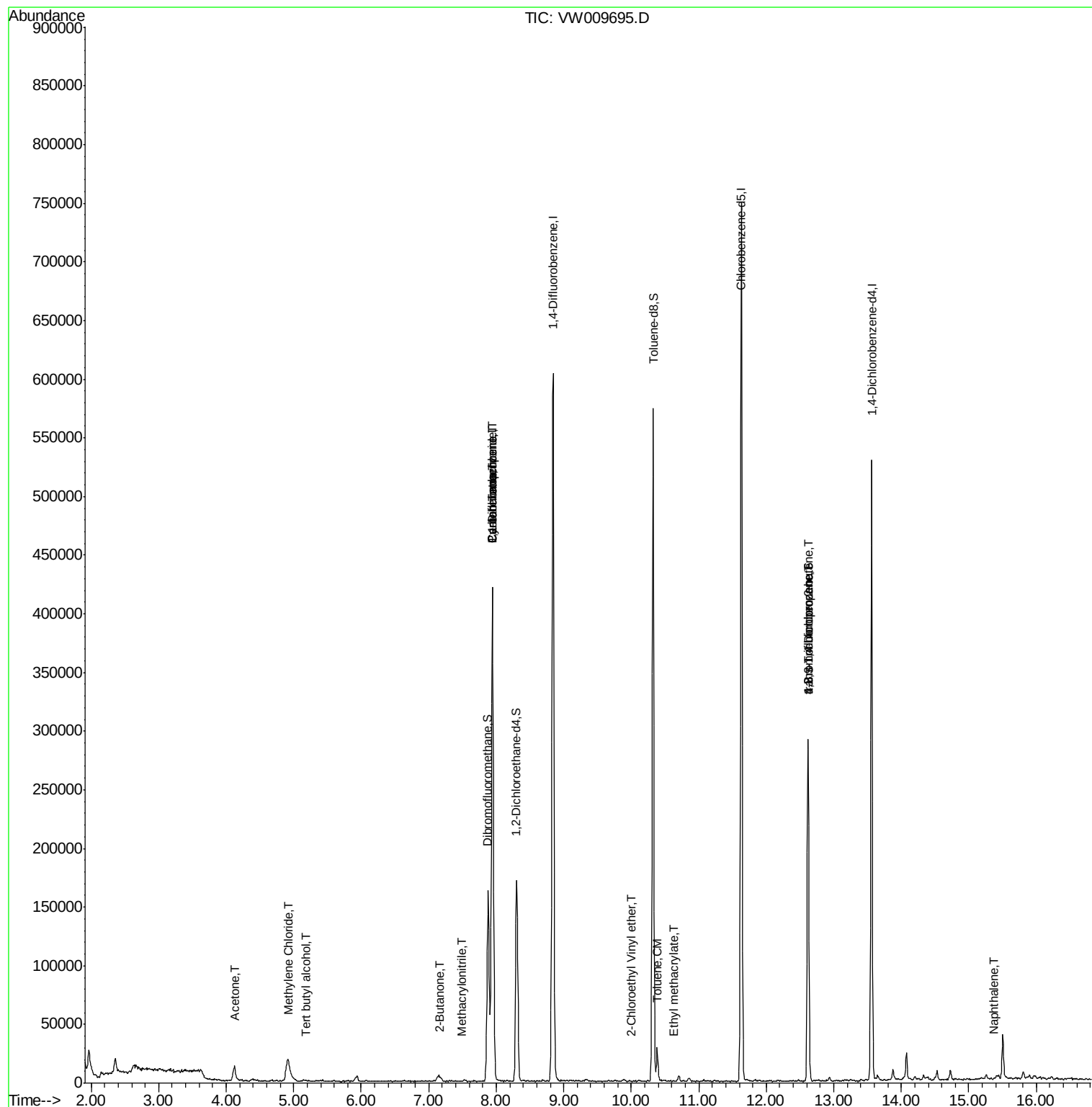
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123440	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132756	40.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.50%	
35) Dibromofluoromethane	7.88	113	108256	36.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.00%	
50) Toluene-d8	10.32	98	351917	31.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.32%	
62) 4-Bromofluorobenzene	12.62	95	84899	20.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	53	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	632	3.346	ug/l #	80
16) Acetone	4.12	43	21437	29.266	ug/l	96
20) Methylene Chloride	4.92	84	17248	2.302	ug/l	93
25) 2-Butanone	7.17	43	2583	2.552	ug/l	100
31) Cyclohexane	7.95	56	8226	1.535	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	25637	5.177	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28848	5.685	ug/l #	16
41) Methacrylonitrile	7.49	41	201	4.042	ug/l #	21
52) Toluene	10.38	92	10354	1.233	ug/l	98
56) Ethyl methacrylate	10.63	69	75	3.816	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.01	63	30	17.033	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	49634	42.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	49634	99.432	ug/l #	7
95) Naphthalene	15.36	128	471	2.815	ug/l #	81

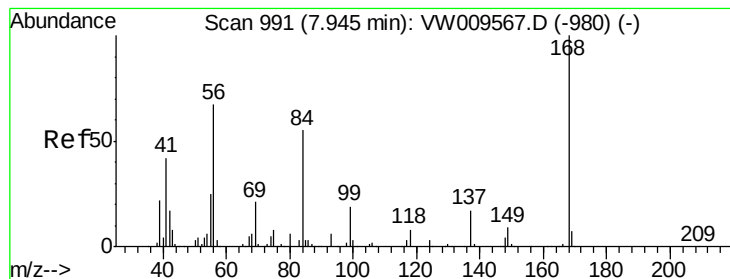
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

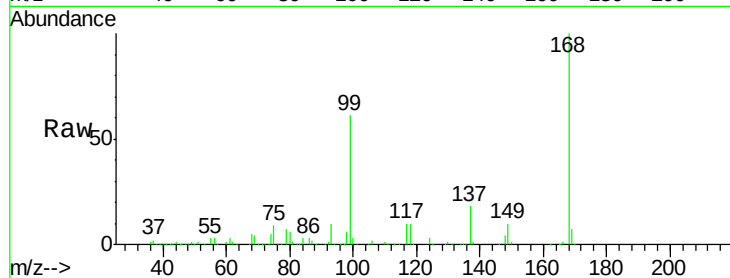
E-6

Tgt Ion:168 Resp: 284899

Ion Ratio Lower Upper

168 100

99 61.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

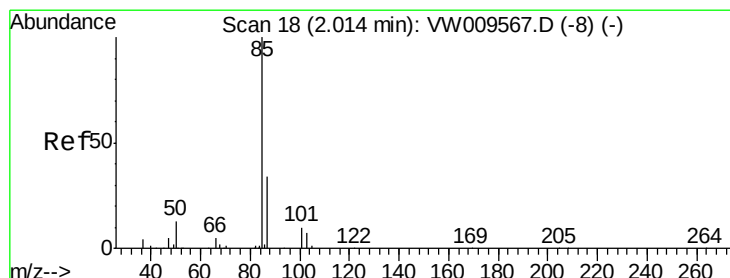
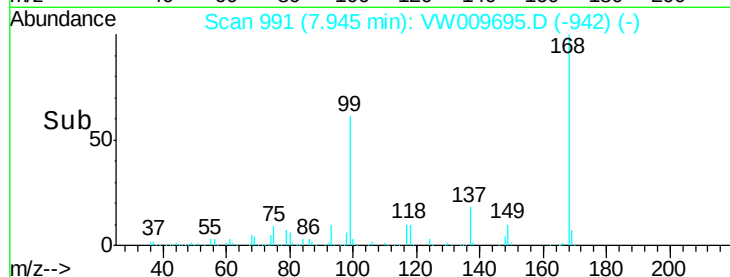
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 12

Delta R.T. -0.04 min

Lab File: VW009695.D

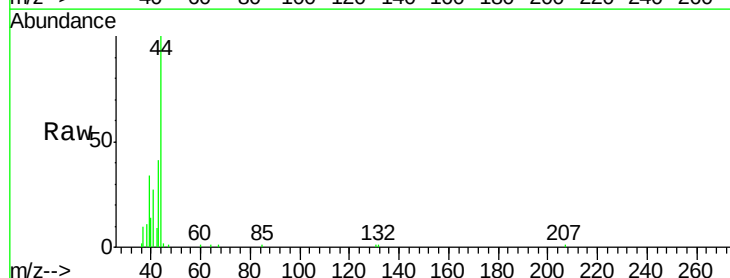
Acq: 04 Apr 2019 14:39

Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.98

80

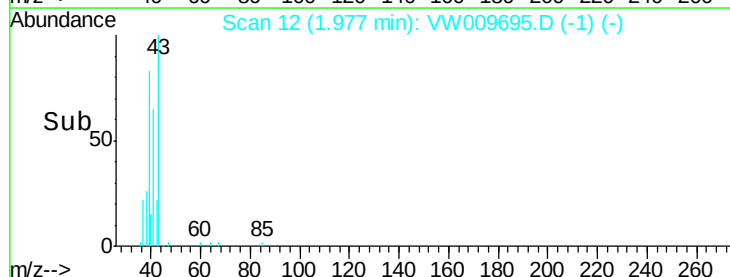
60

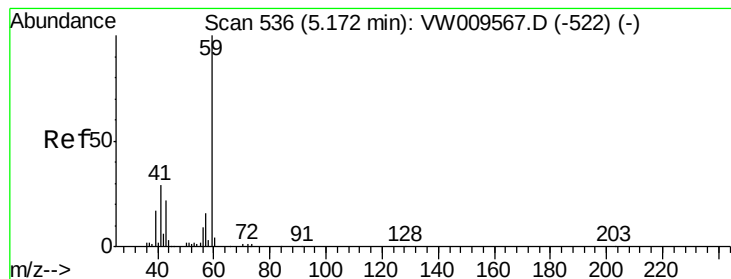
40

20

0

Time--> 1.96 1.98 2.00



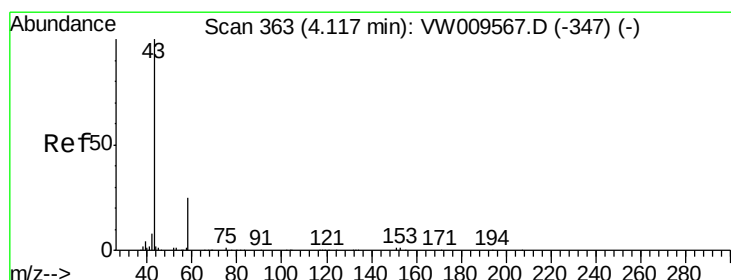
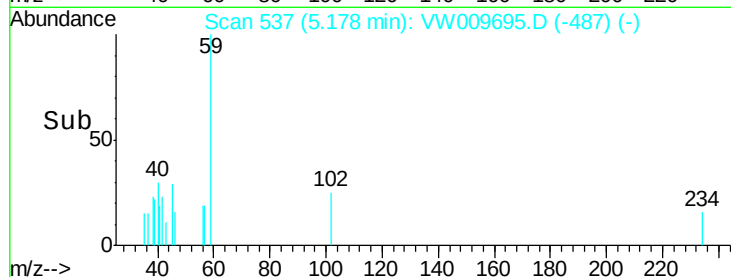
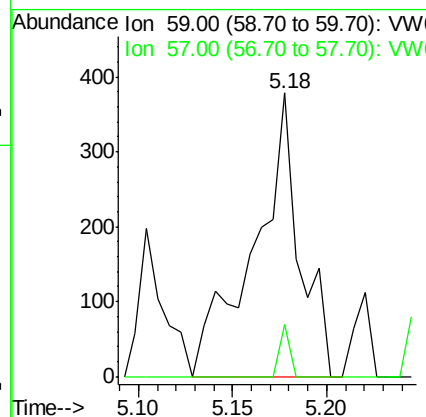
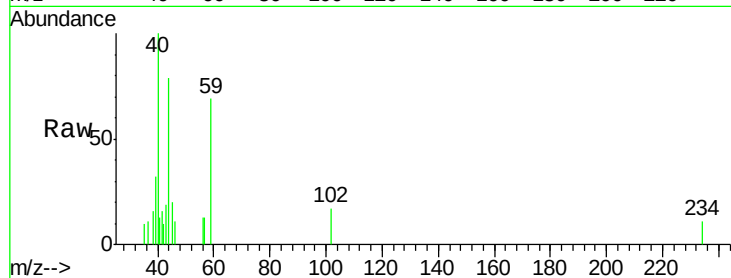


#11

Tert butyl alcohol
 Concen: 3.346 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

Instrument :
 MSVOA_W
 ClientSampled :
 E-6

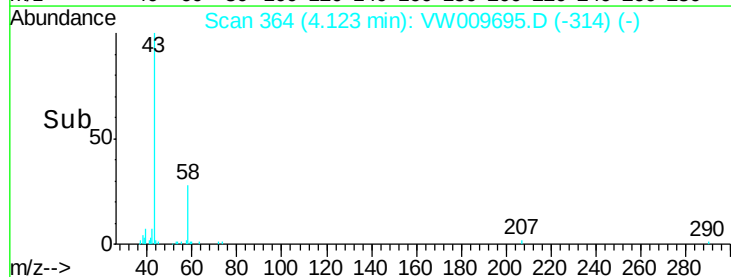
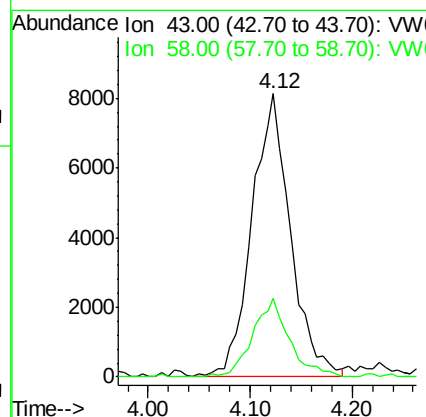
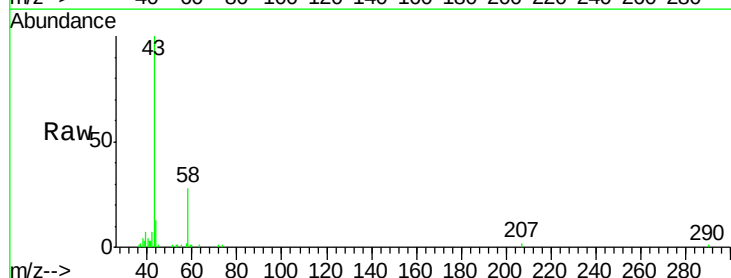
Tgt Ion: 59 Resp: 632
 Ion Ratio Lower Upper
 59 100
 57 4.1 9.4 14.0#

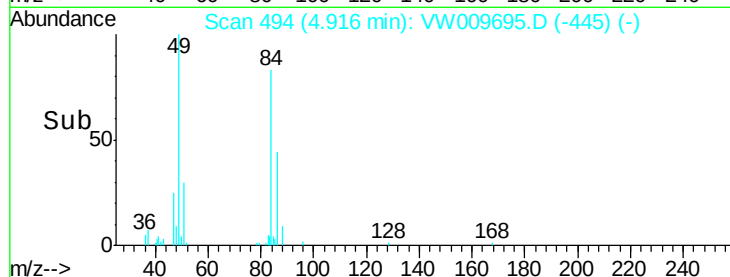
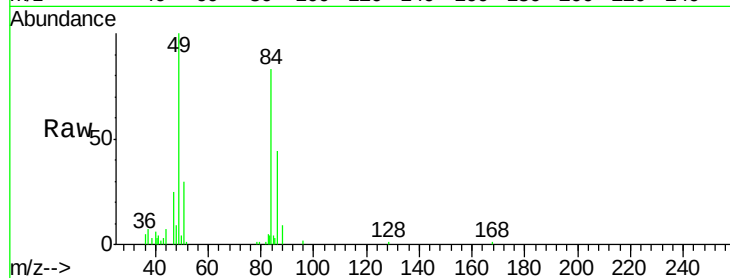
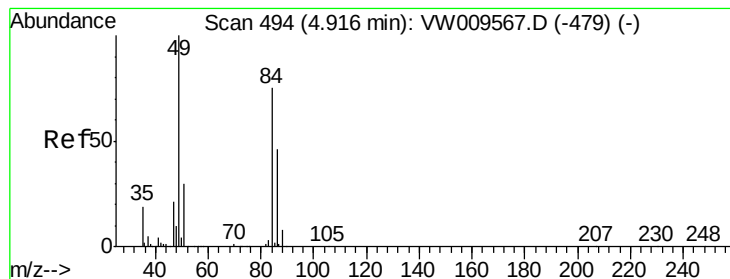


#16

Acetone
 Concen: 29.266 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

Tgt Ion: 43 Resp: 21437
 Ion Ratio Lower Upper
 43 100
 58 27.6 23.6 35.4





#20

Methylene Chloride

Concen: 2.302 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

E-6

Tgt Ion: 84 Resp: 17248

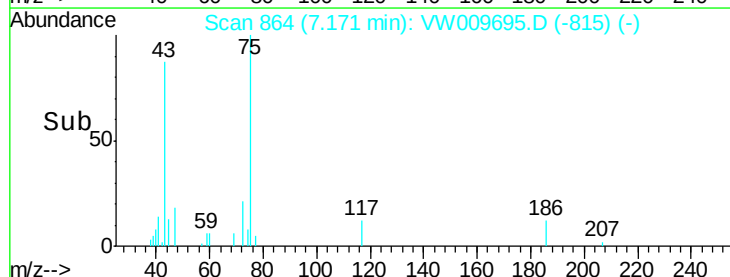
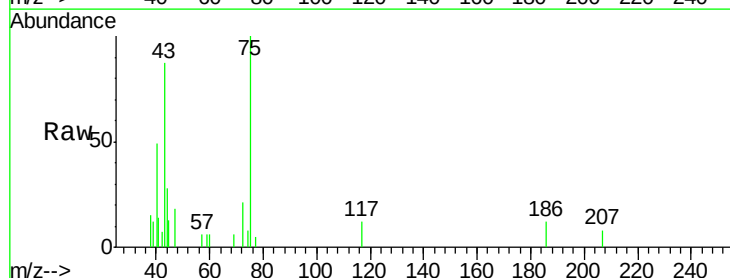
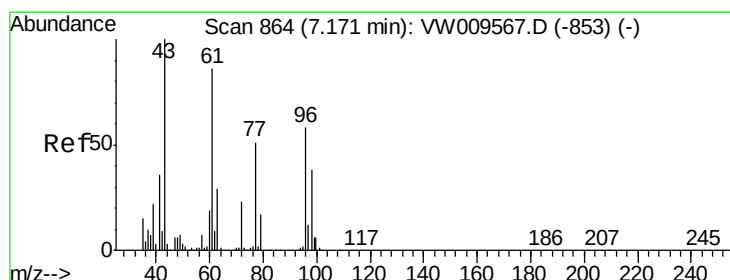
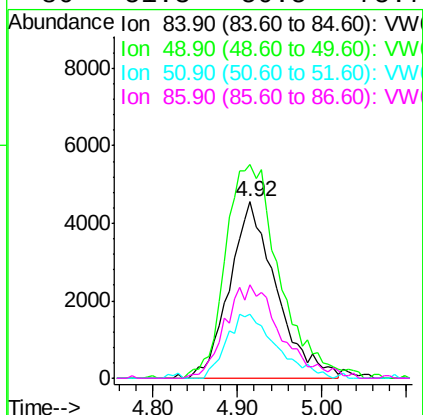
Ion Ratio Lower Upper

84 100

49 118.3 99.1 148.7

51 36.0 28.7 43.1

86 51.3 50.5 75.7



#25

2-Butanone

Concen: 2.552 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009695.D

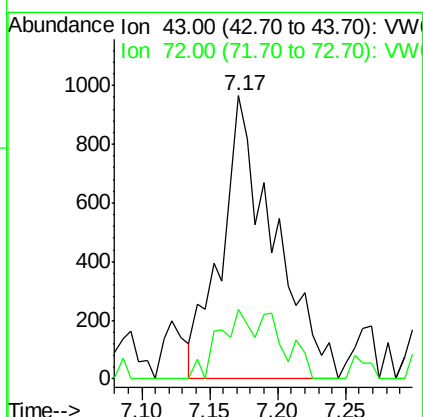
Acq: 04 Apr 2019 14:39

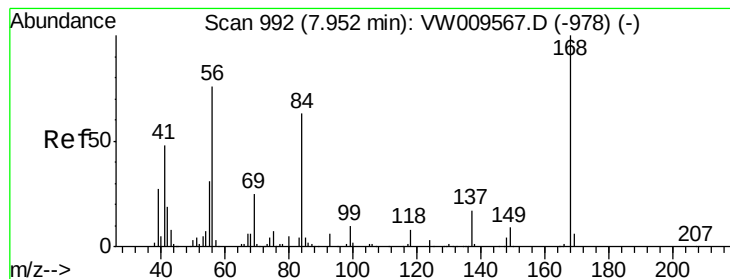
Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

72 24.8 20.0 30.0





#31

Cyclohexane

Concen: 1.535 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampleId :

E-6

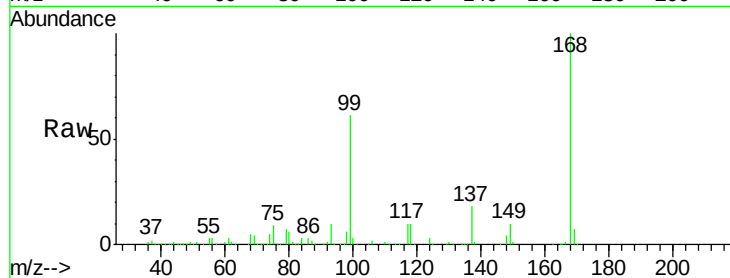
Tgt Ion: 56 Resp: 8226

Ion Ratio Lower Upper

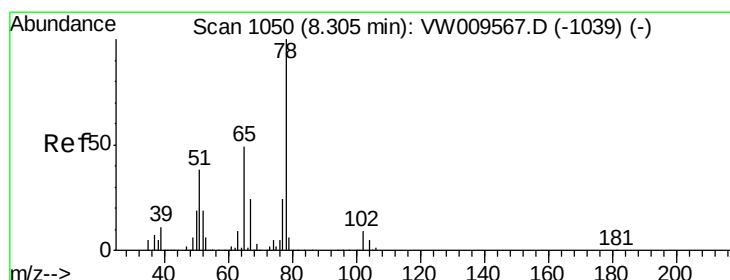
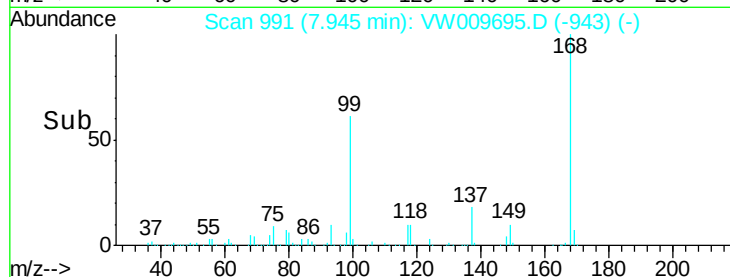
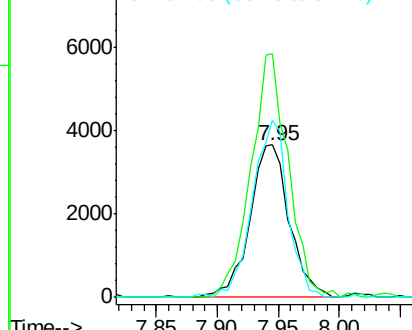
56 100

69 159.6 26.1 39.1#

84 115.7 68.6 103.0#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 40.749 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009695.D

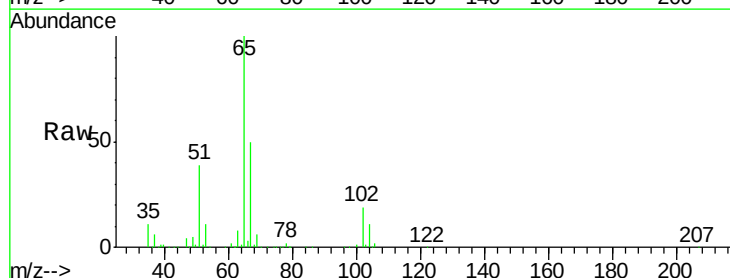
Acq: 04 Apr 2019 14:39

Tgt Ion: 65 Resp: 132756

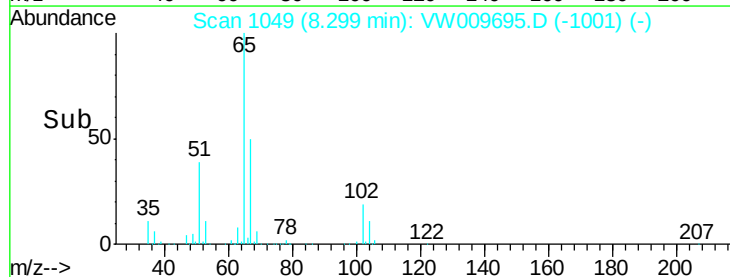
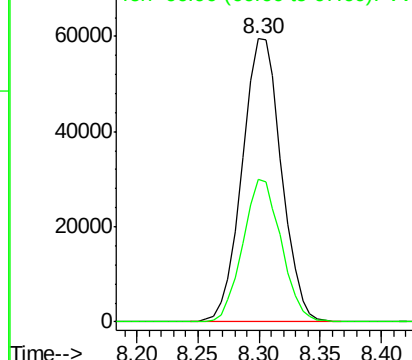
Ion Ratio Lower Upper

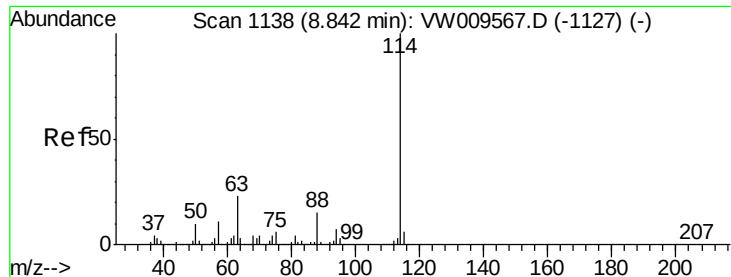
65 100

67 49.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

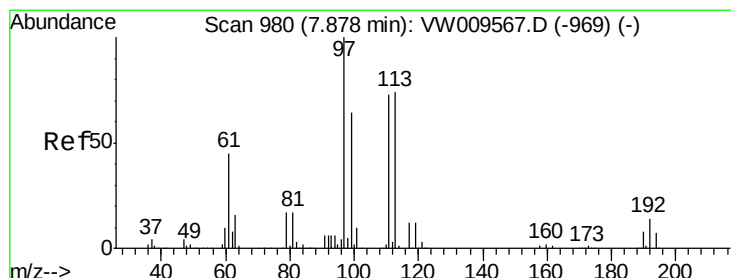
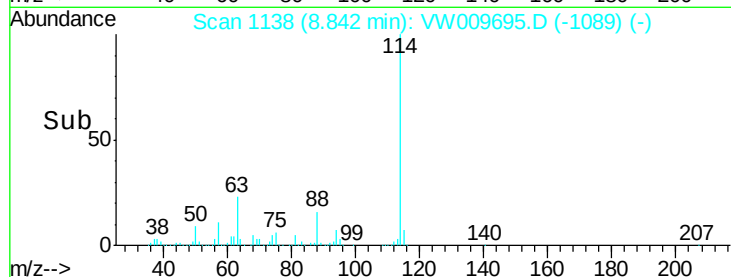
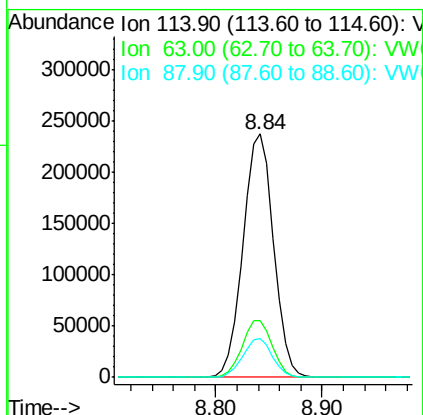
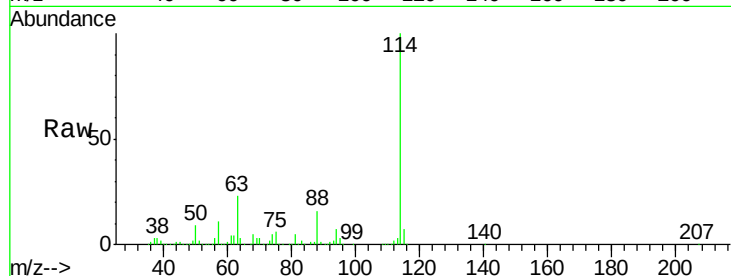




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

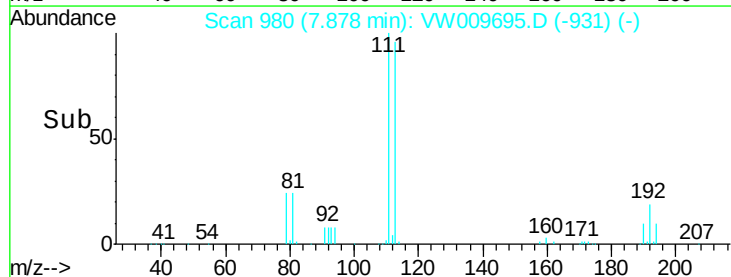
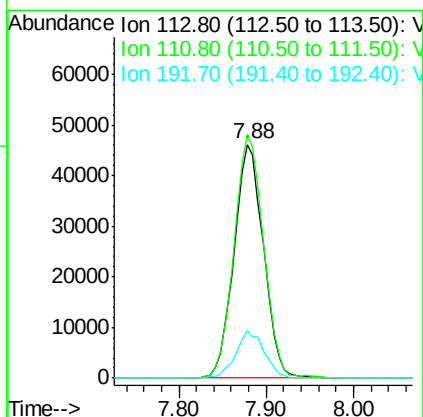
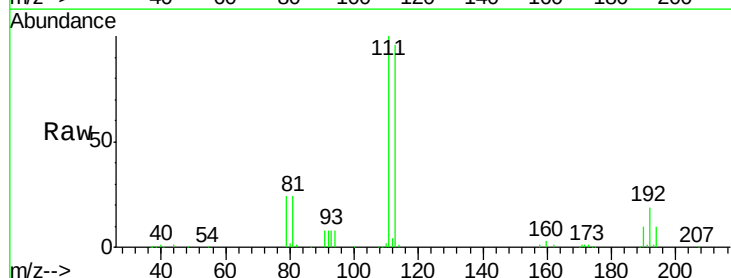
Instrument :
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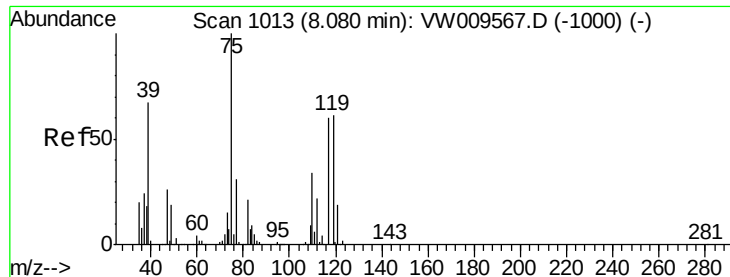
Tgt Ion:114 Resp: 478763
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.2
 88 16.0 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 36.001 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

Tgt Ion:113 Resp: 108256
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.6 124.0
 192 19.7 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

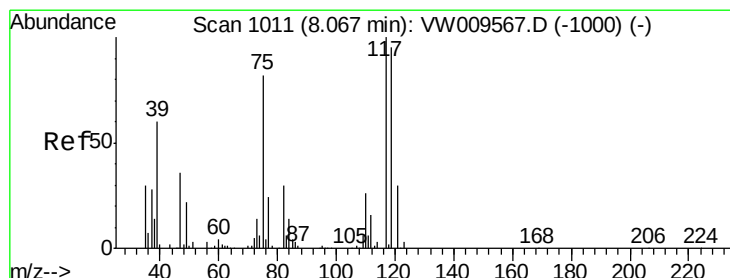
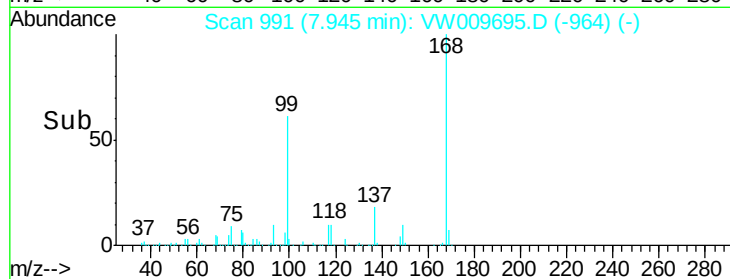
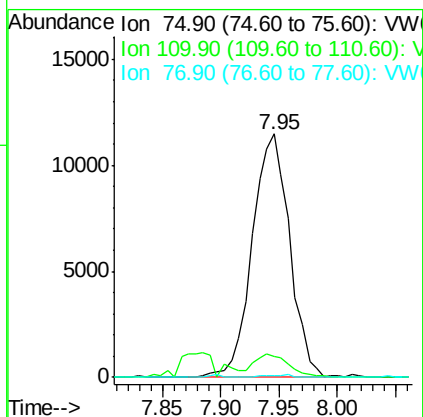
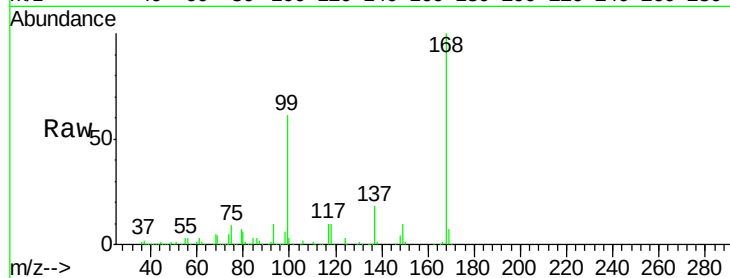
Instrument :

MSVOA_W

ClientSampleId :

E-6

Tgt Ion:	75	Resp:	25637
Ion Ratio	Lower	Upper	
75	100		
110	9.1	16.8	50.4#
77	0.6	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.685 ug/l

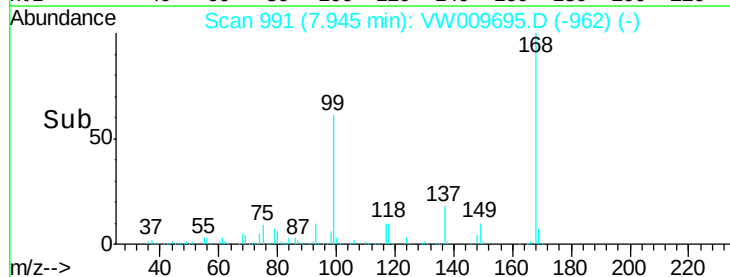
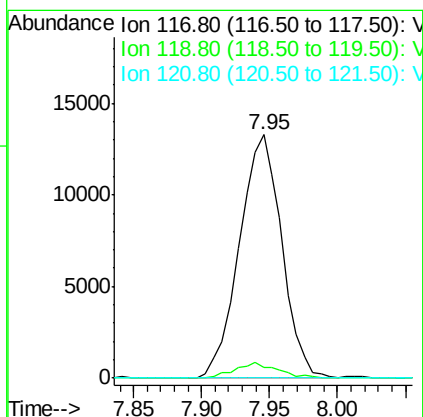
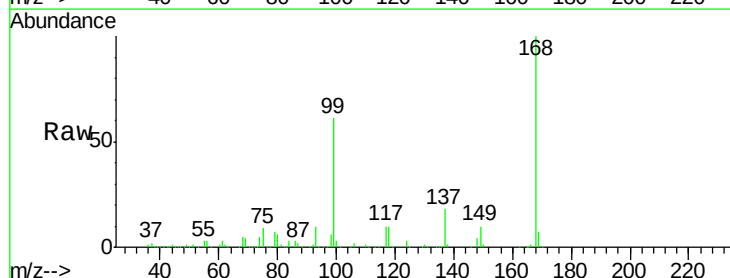
RT: 7.95 min Scan# 991

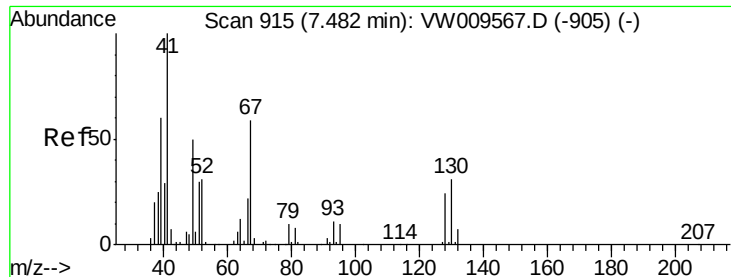
Delta R.T. -0.12 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Tgt Ion:	117	Resp:	28848
Ion Ratio	Lower	Upper	
117	100		
119	4.6	75.4	113.0#
121	0.0	24.9	37.3#

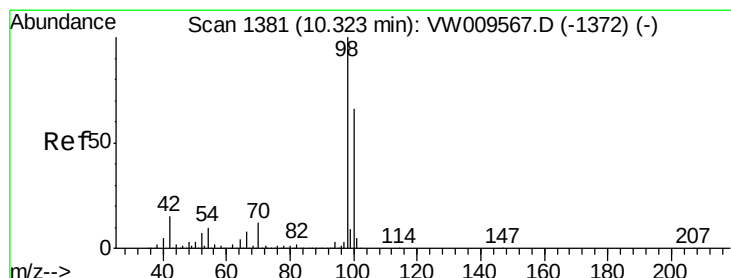
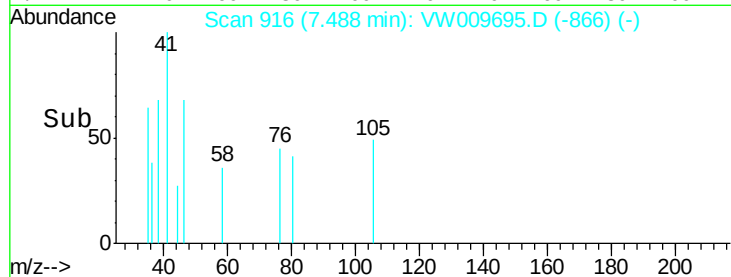
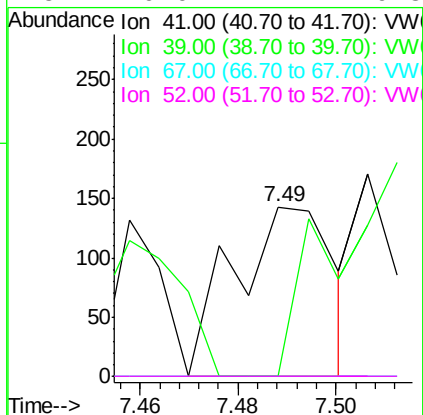
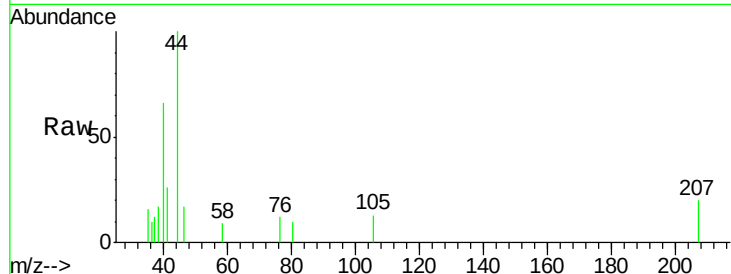




#41
Methacrylonitrile
Concen: 4.042 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009695.D
Acq: 04 Apr 2019 14:39

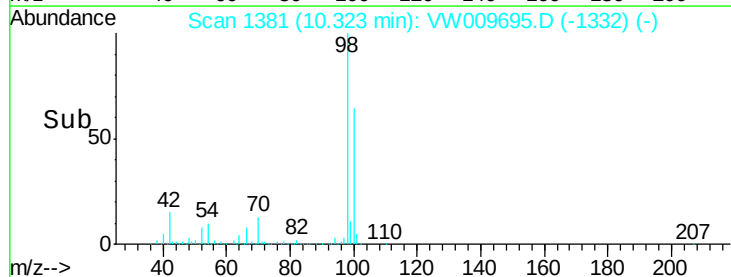
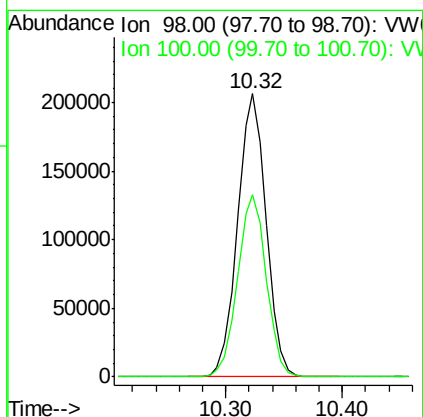
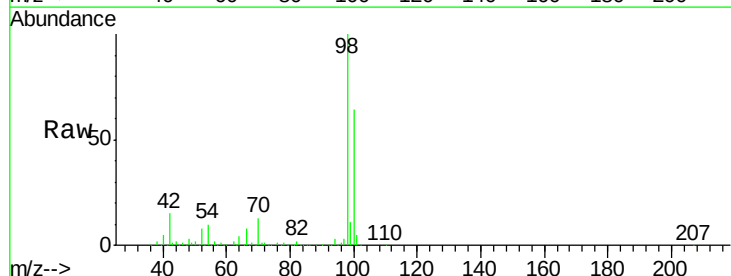
Instrument :
MSVOA_W
ClientSampled :
E-6

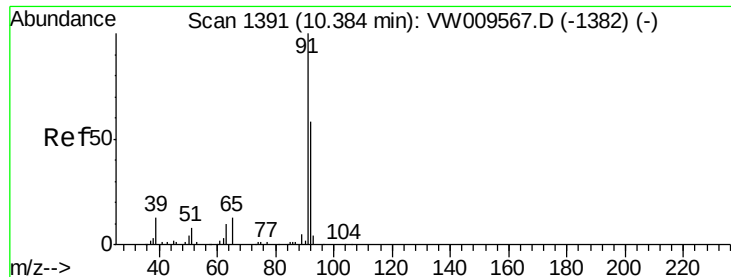
Tgt Ion: 41 Resp: 201
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 0.0 56.6 84.8#
52 0.0 27.2 40.8#



#50
Toluene-d8
Concen: 31.664 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009695.D
Acq: 04 Apr 2019 14:39

Tgt Ion: 98 Resp: 351917
Ion Ratio Lower Upper
98 100
100 64.8 52.6 79.0





#52

Toluene

Concen: 1.233 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

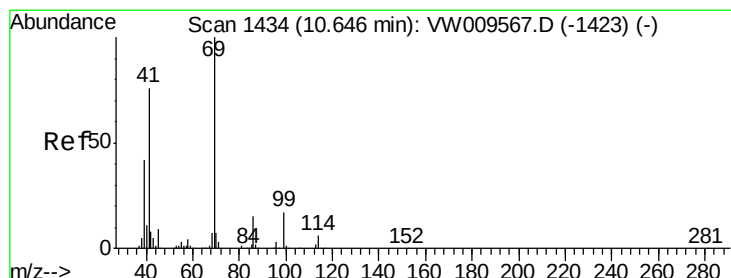
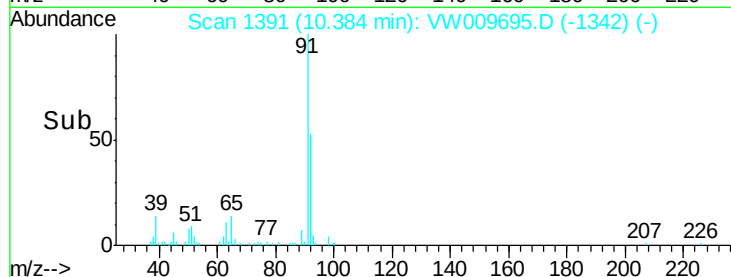
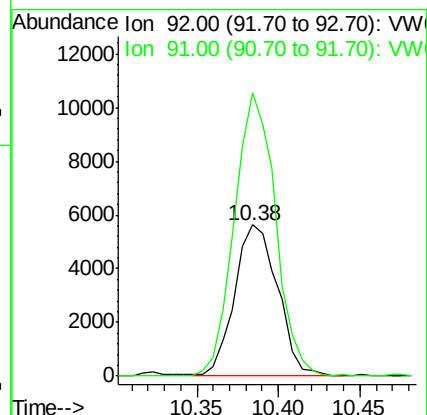
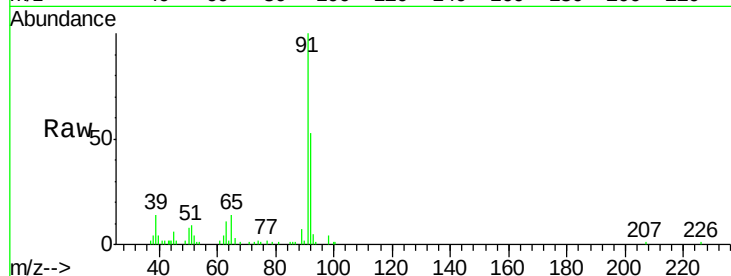
E-6

Tgt Ion: 92 Resp: 10354

Ion Ratio Lower Upper

92 100

91 178.2 140.1 210.1



#56

Ethyl methacrylate

Concen: 3.816 ug/l

RT: 10.63 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

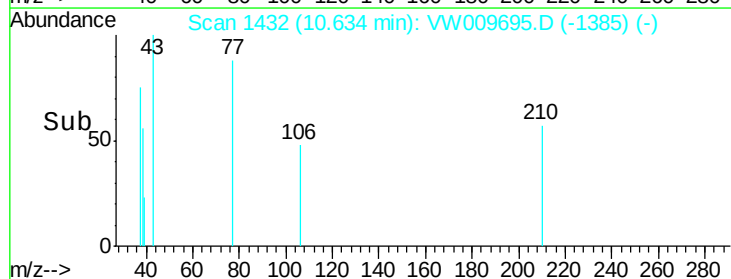
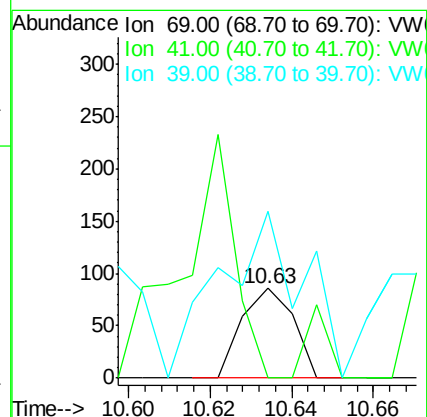
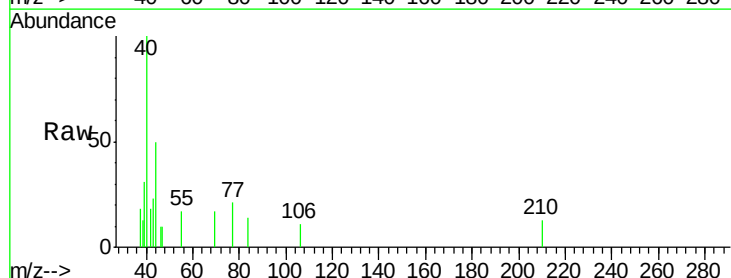
Tgt Ion: 69 Resp: 75

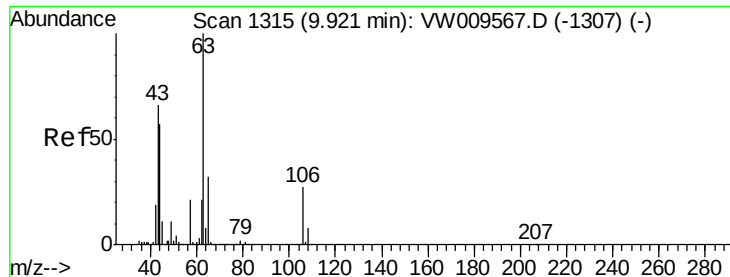
Ion Ratio Lower Upper

69 100

41 284.0 59.3 88.9#

39 300.0 36.2 54.2#

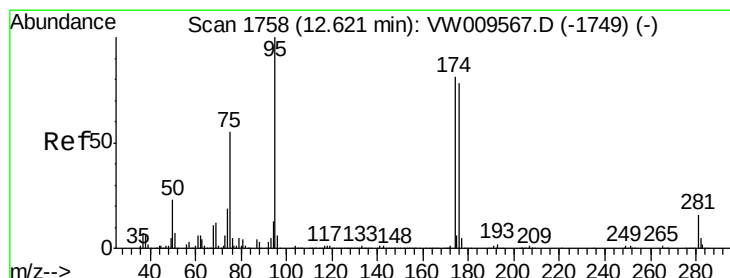
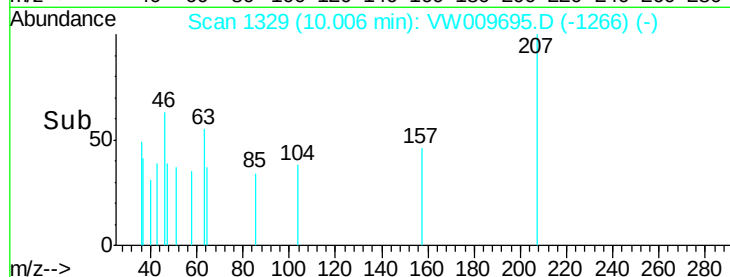
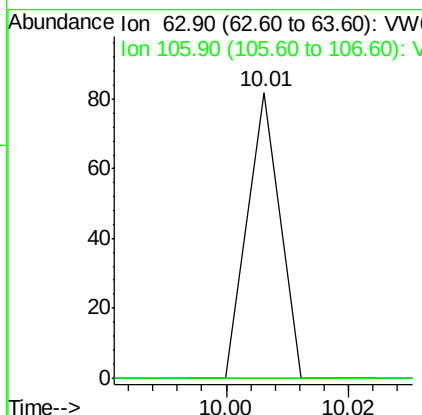
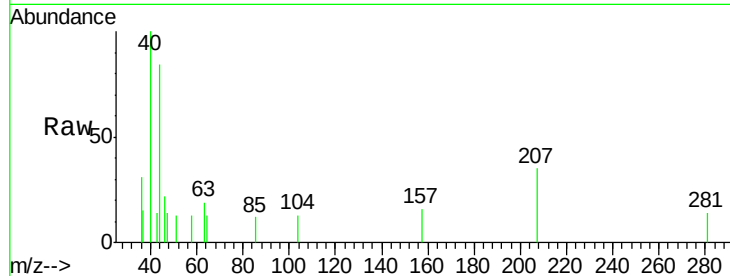




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.033 ug/l
 RT: 10.01 min Scan# 1329
 Delta R.T. 0.09 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

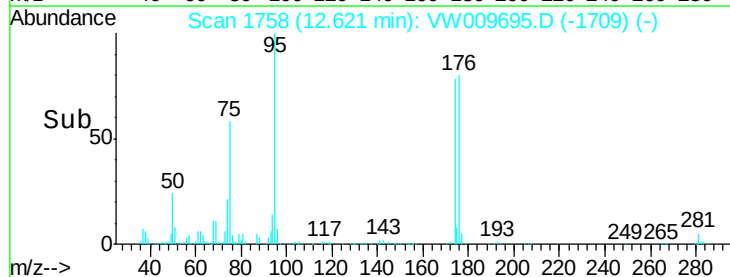
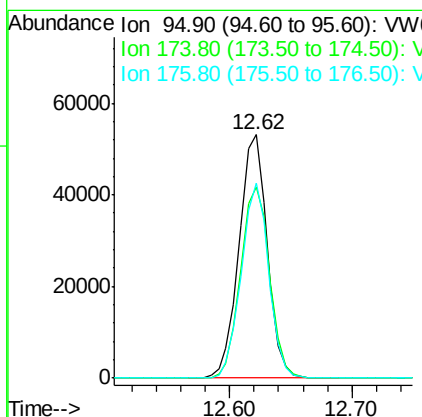
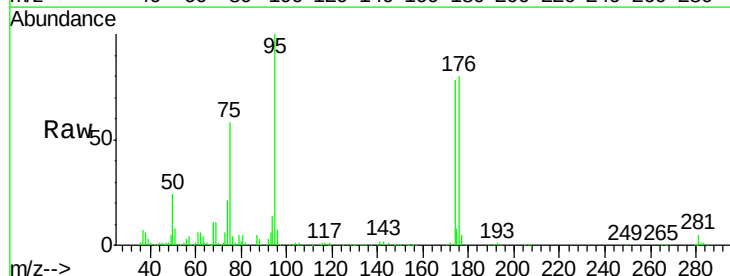
Instrument :
 MSVOA_W
 ClientSampled :
 E-6

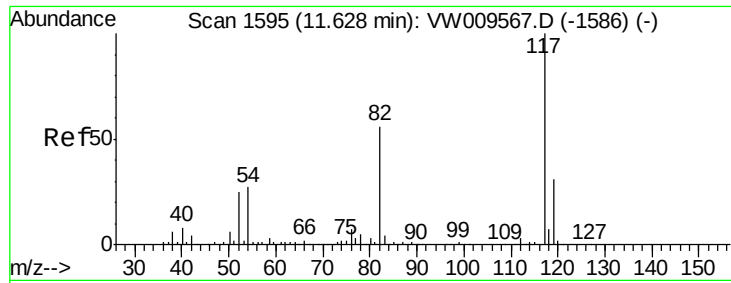
Tgt Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 20.476 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009695.D
 Acq: 04 Apr 2019 14:39

Tgt Ion: 95 Resp: 84899
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 168.4
 176 77.8 0.0 161.6

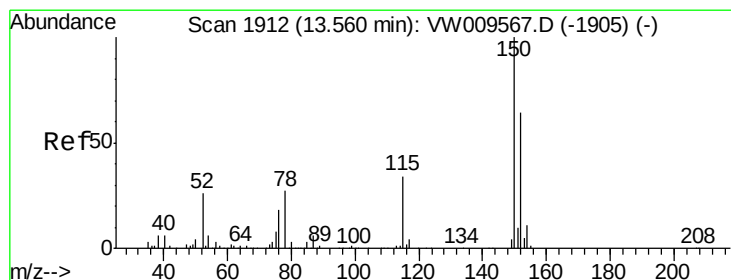
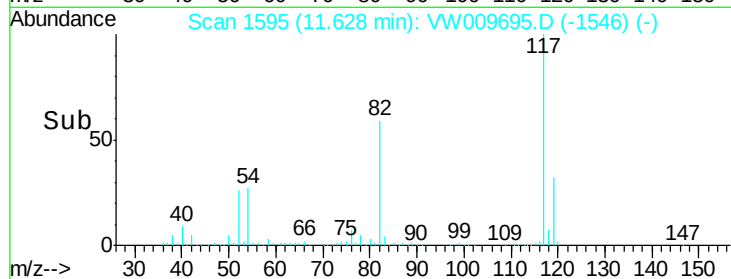
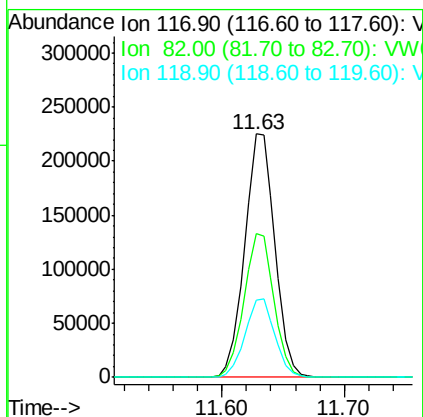
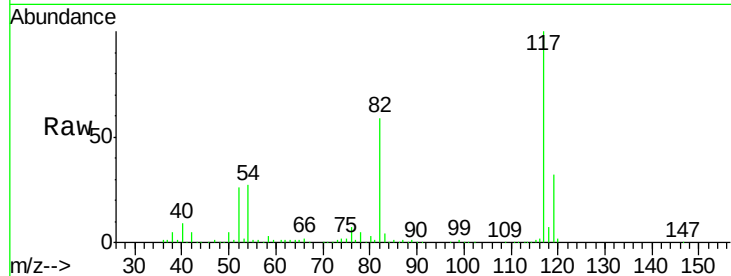




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW009695.D
Acq: 04 Apr 2019 14:39

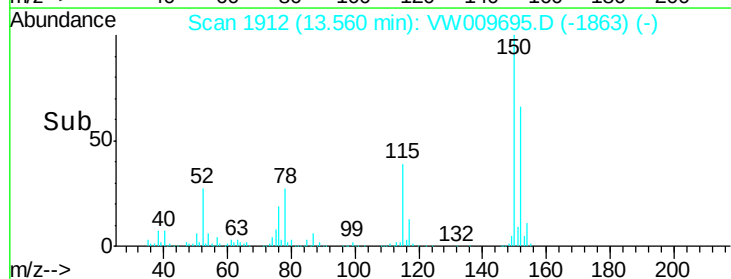
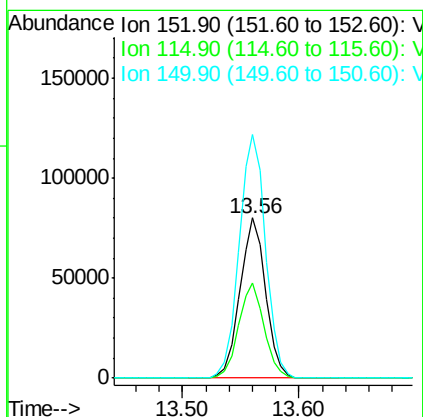
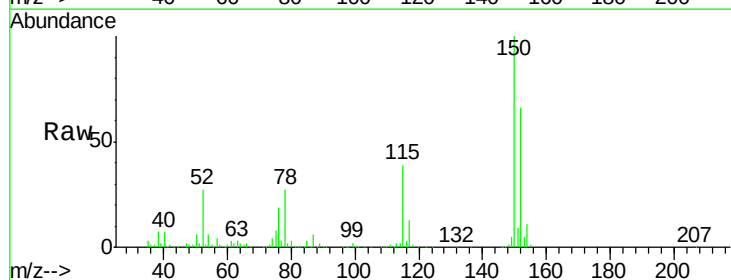
Instrument :
MSVOA_W
ClientSampled :
E-6

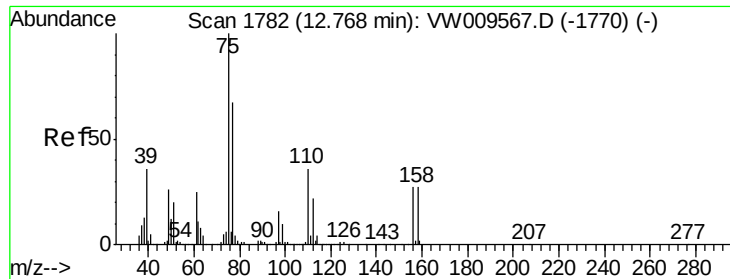
Tgt Ion:117 Resp: 385369
Ion Ratio Lower Upper
117 100
82 58.9 43.6 65.4
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009695.D
Acq: 04 Apr 2019 14:39

Tgt Ion:152 Resp: 123440
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 155.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 42.758 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

Instrument :

MSVOA_W

ClientSampled :

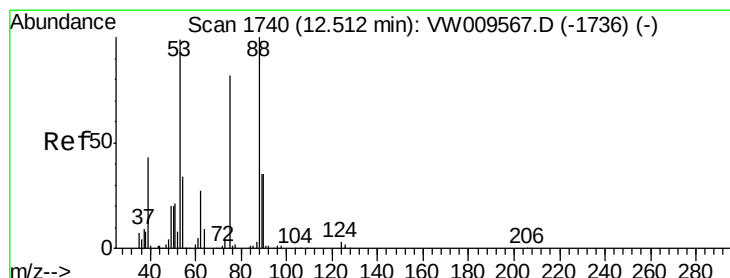
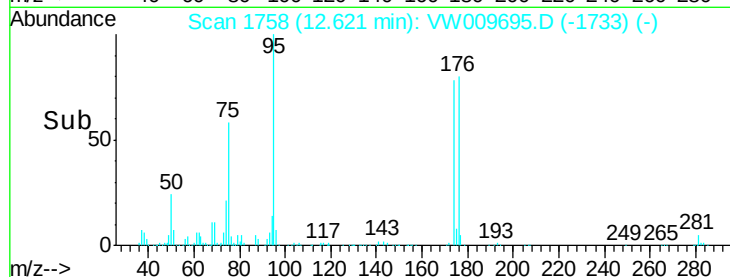
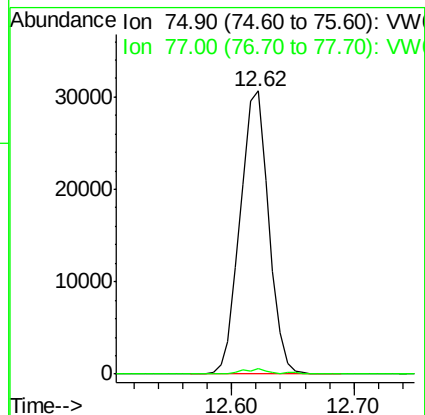
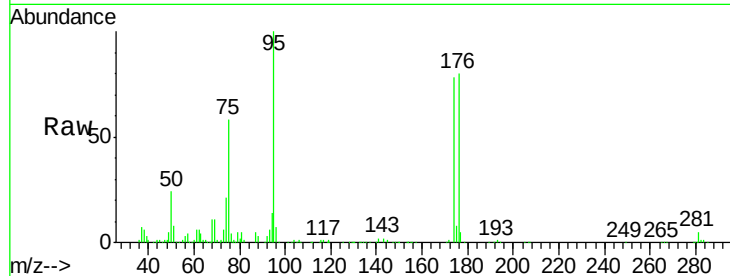
E-6

Tgt Ion: 75 Resp: 49634

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.432 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009695.D

Acq: 04 Apr 2019 14:39

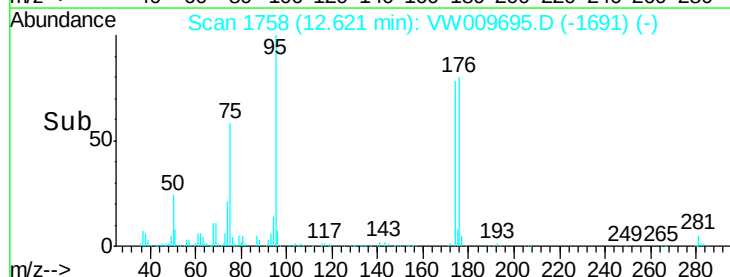
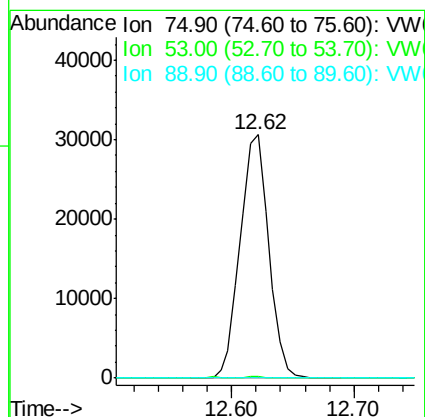
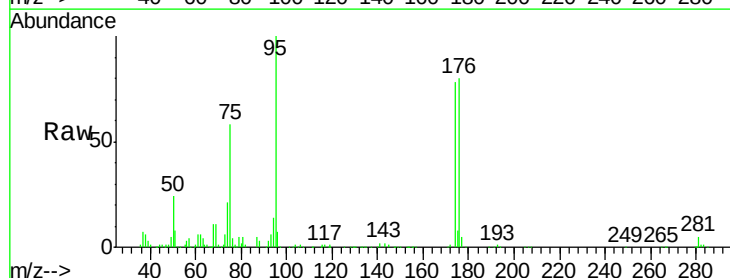
Tgt Ion: 75 Resp: 49634

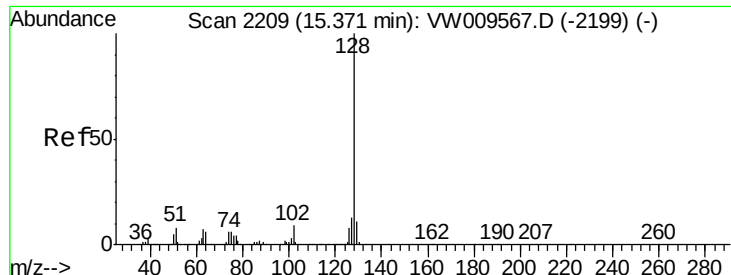
Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.1 36.4 54.6#





#95
Naphthalene
Concen: 2.815 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW009695.D
Acq: 04 Apr 2019 14:39

Instrument :
MSVOA_W
ClientSampleId :
E-6

Tgt Ion:128 Resp: 471
Ion Ratio Lower Upper
128 100
127 17.6 10.8 16.2#
129 0.0 8.7 13.1#

