

Data File : VW010635.D
Acq On : 31 May 2019 14:33
Operator : SY/VA
Sample : K3105-01
Misc : 5.67G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
101-102

Quant Time: Jun 01 04:50:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87345	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.88	113	86370	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.32	98	347128	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	123771	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

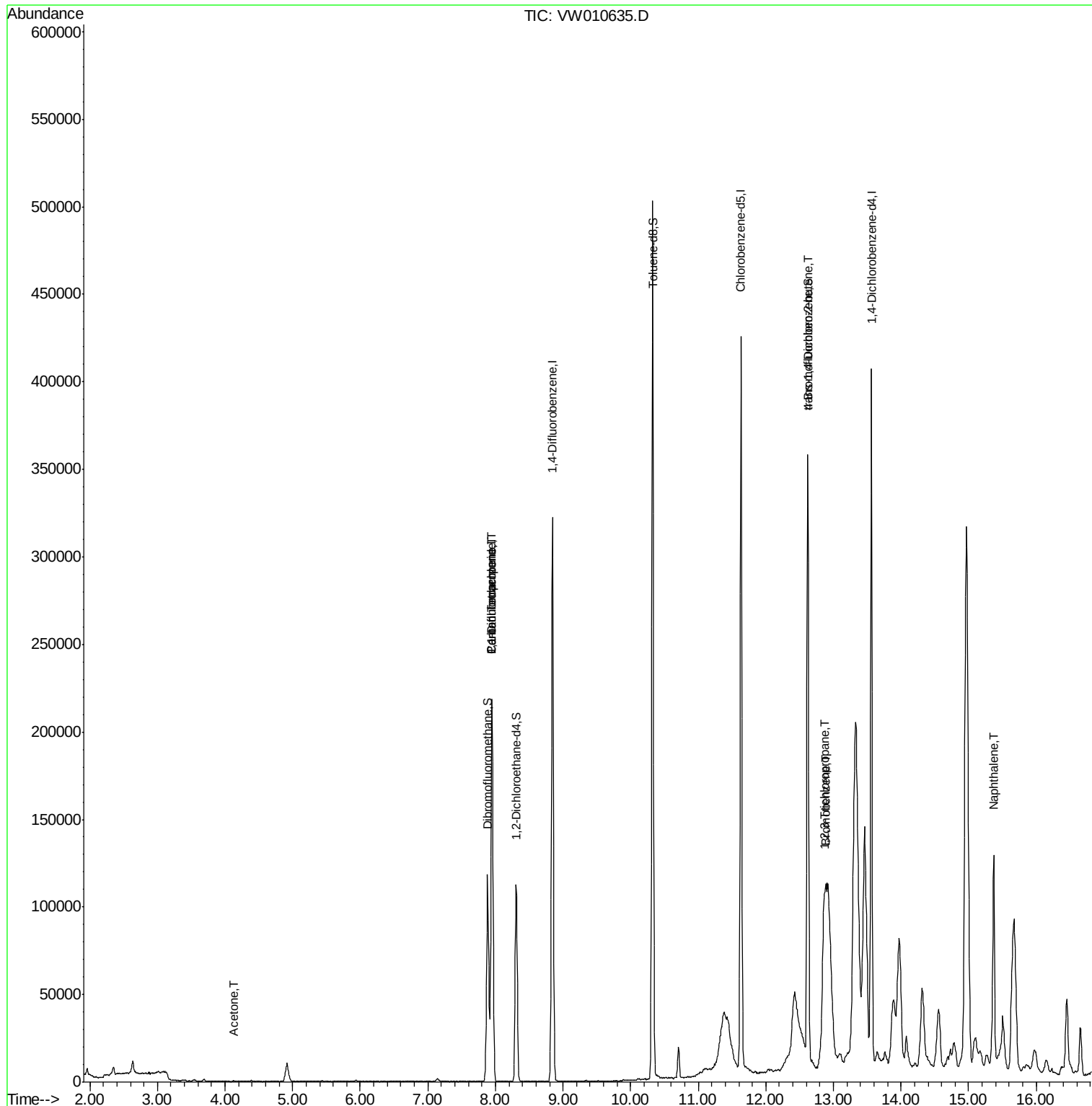
						Qvalue
13) Acrolein	4.15	56	19	Below Cal	#	13
16) Acetone	4.14	43	940	2.604	ug/l	100
20) Methylene Chloride	4.92	84	8475	Below Cal		92
36) 1,1-Dichloropropene	7.95	75	11921	4.369	ug/l #	48
38) Carbon Tetrachloride	7.95	117	17127	5.819	ug/l #	15
76) 1,2,3-Trichloropropane	12.86	75	2408	2.236	ug/l	79
77) Bromobenzene	12.87	156	79066	41.970	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	57588	111.610	ug/l #	14
95) Naphthalene	15.37	128	98143	20.405	ug/l	99

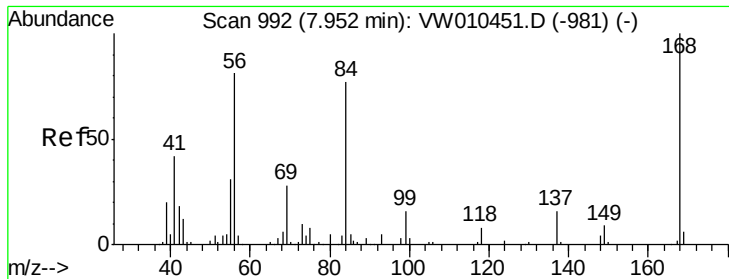
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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101-102

Quant Time: Jun 01 04:50:17 2019
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010635.D

Acq: 31 May 2019 14:33

Instrument :

MSVOA_W

ClientSampled :

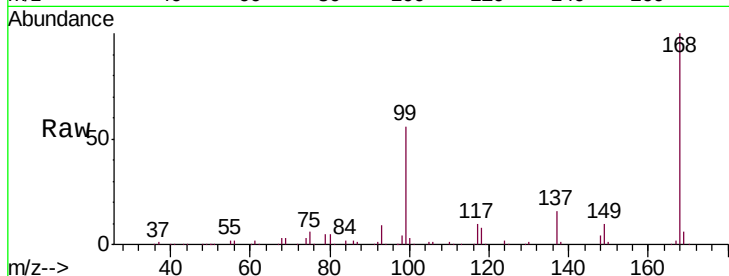
101-102

Tgt Ion: 168 Resp: 171323

Ion Ratio Lower Upper

168 100

99 56.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

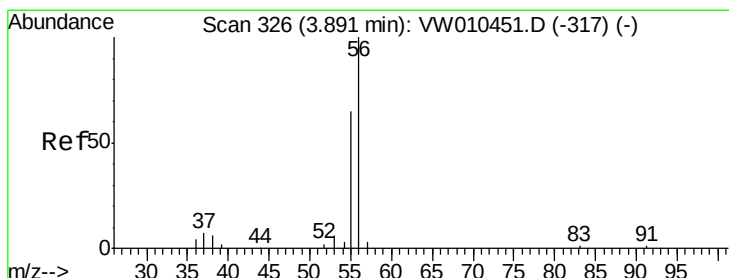
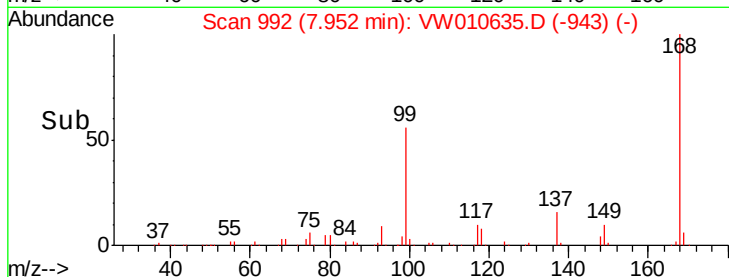
40000

20000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.26 min

Lab File: VW010635.D

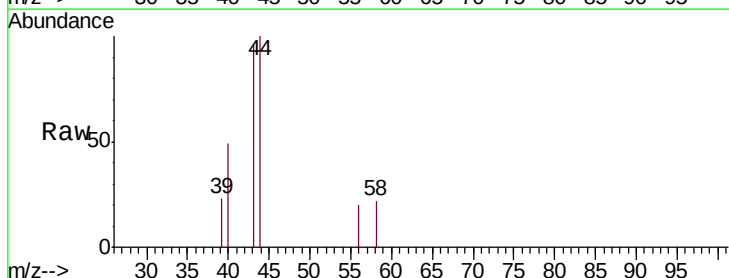
Acq: 31 May 2019 14:33

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

4.15

60

50

40

30

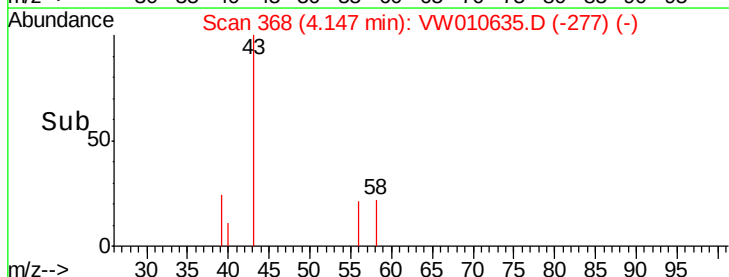
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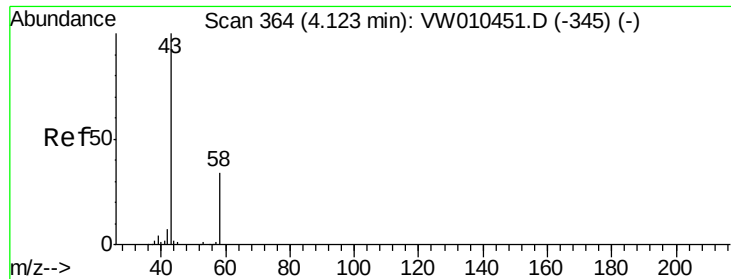
10

0

4.13 4.14 4.15 4.16

Time-->

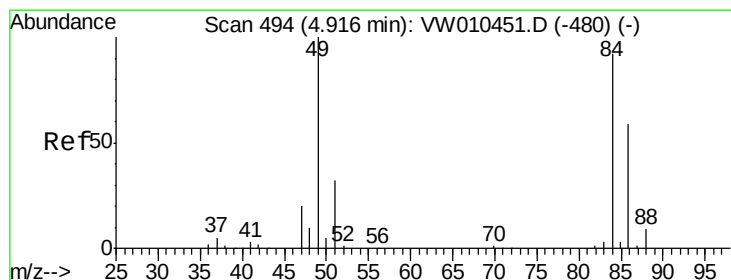
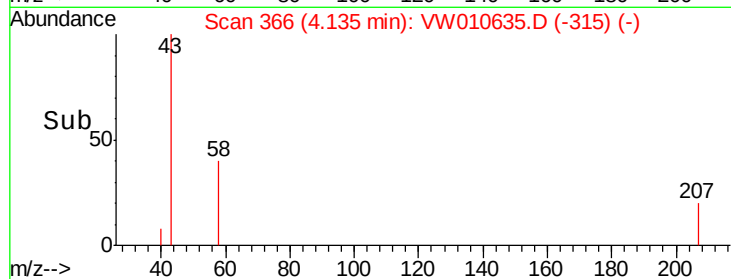
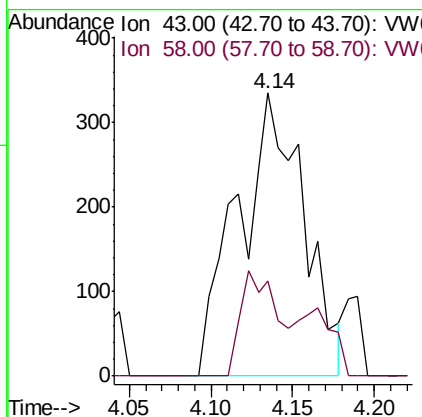
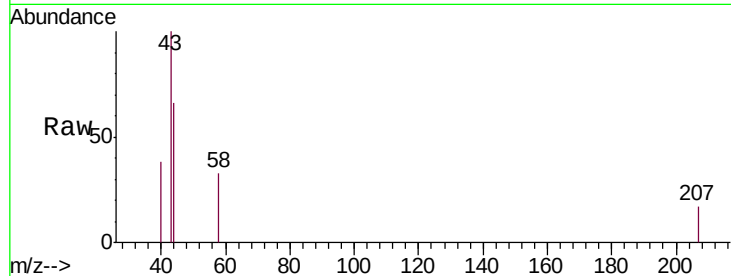




#16
Acetone
Concen: 2.604 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010635.D
Acq: 31 May 2019 14:33

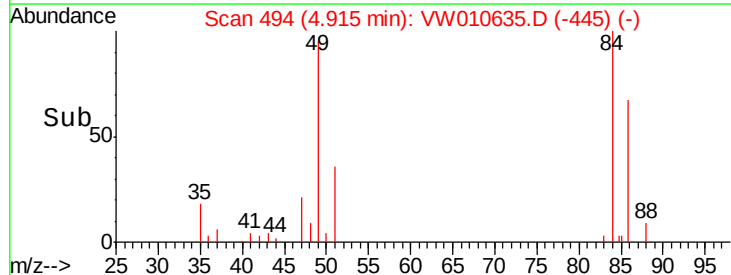
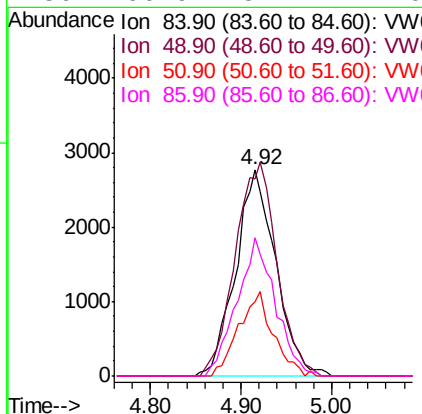
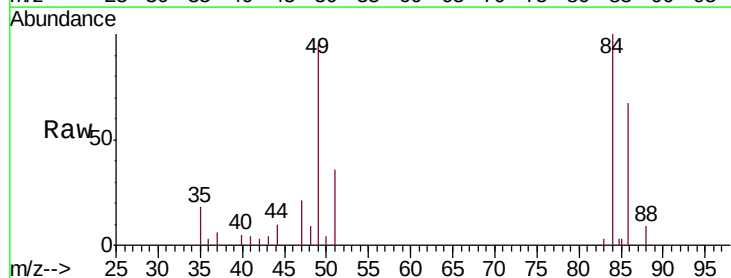
Instrument :
MSVOA_W
ClientSampleId :
101-102

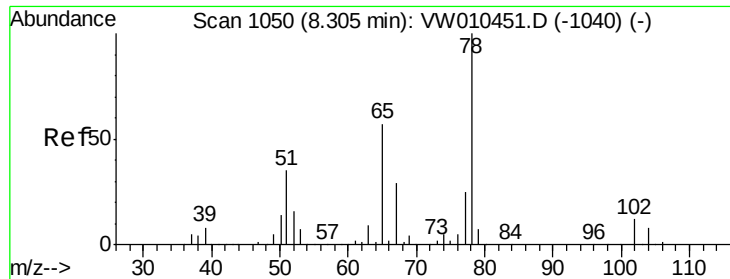
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 33.4 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010635.D
Acq: 31 May 2019 14:33

Tgt Ion: 84 Resp: 8475
Ion Ratio Lower Upper
84 100
49 95.3 87.2 130.8
51 36.0 27.7 41.5
86 66.9 51.4 77.0

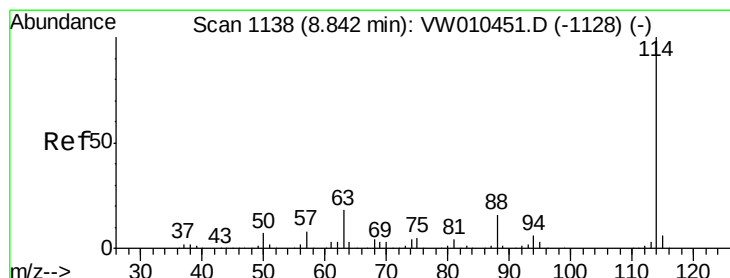
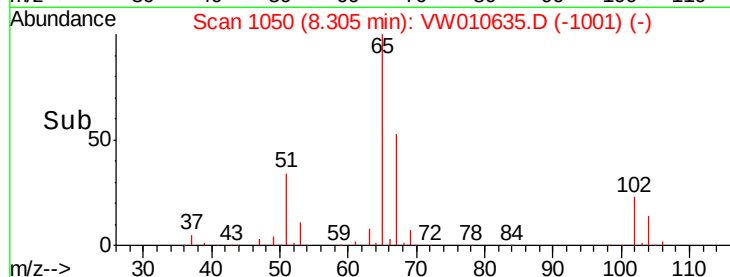
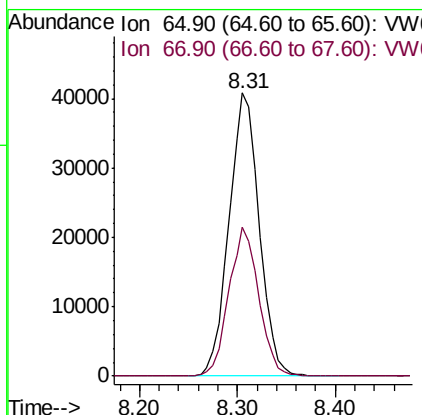
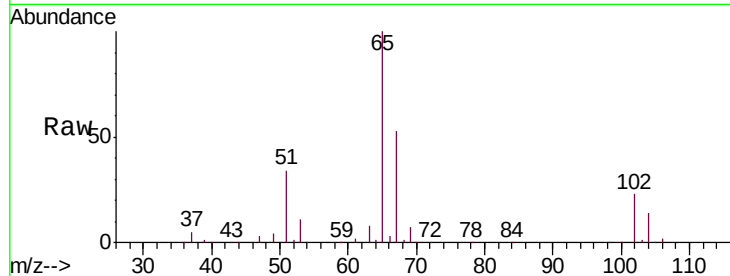




#33
 1,2-Dichloroethane-d4
 Concen: 49.394 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

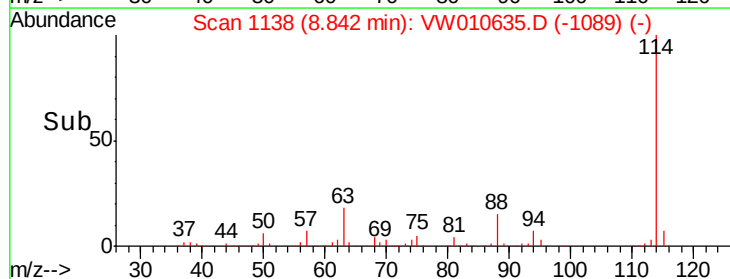
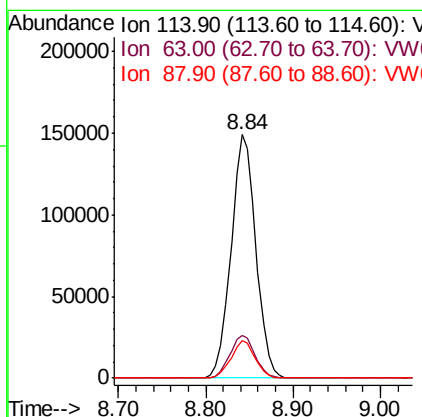
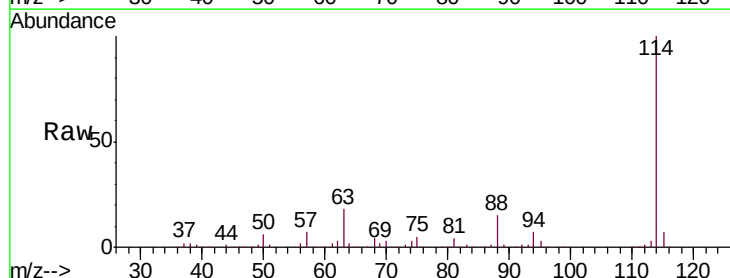
Instrument :
 MSVOA_W
 ClientSampleId :
 101-102

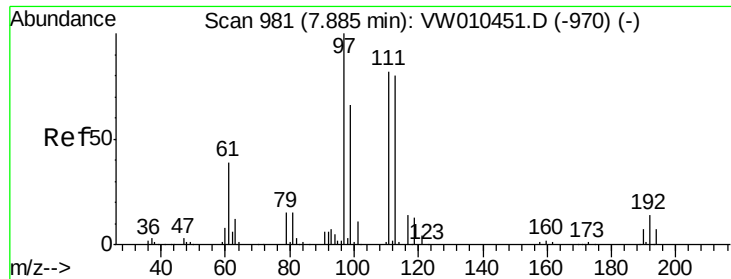
Tgt Ion: 65 Resp: 87345
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

Tgt Ion: 114 Resp: 292904
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 15.4 0.0 32.0

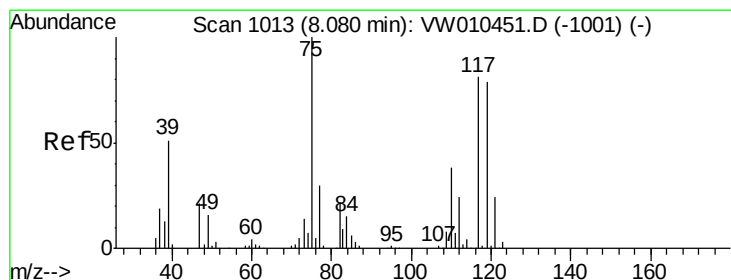
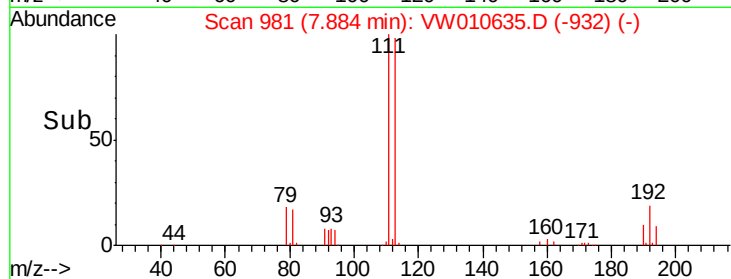
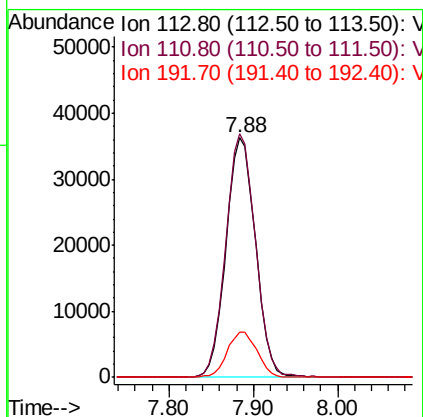
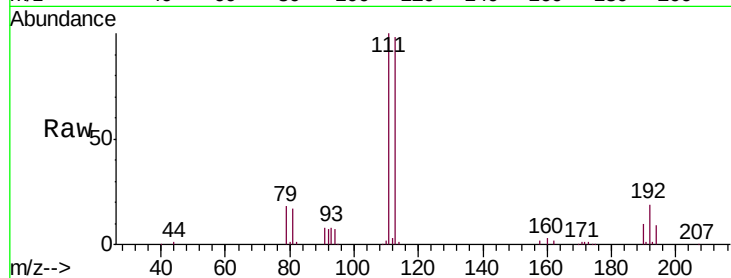




#35
 Dibromofluoromethane
 Concen: 48.597 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

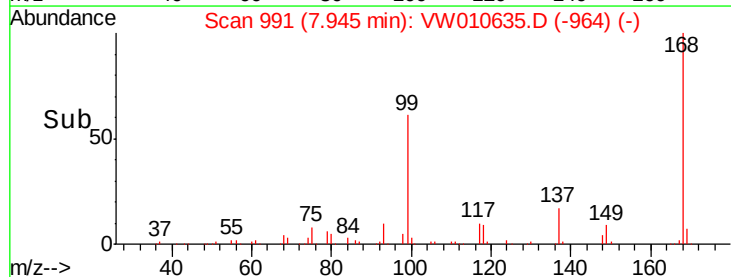
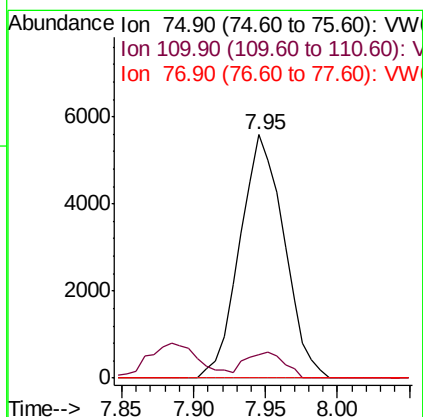
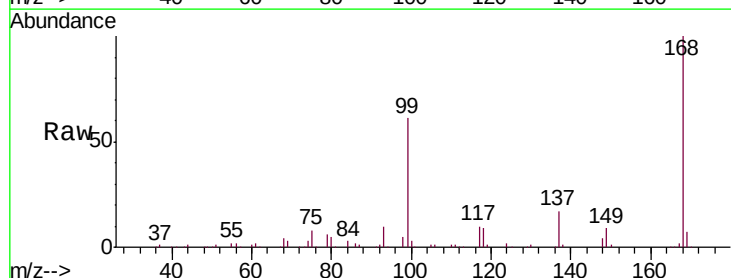
Instrument :
 MSVOA_W
 ClientSampleId :
 101-102

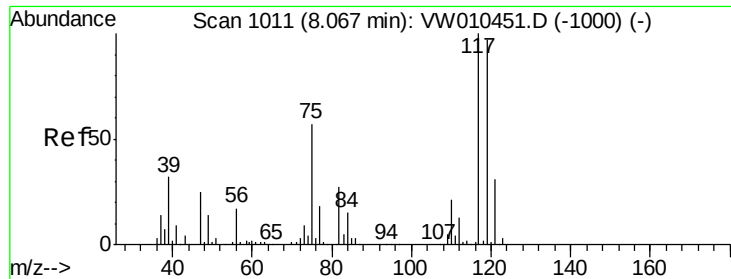
Tgt Ion: 113 Resp: 86370
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 19.2 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.369 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

Tgt Ion: 75 Resp: 11921
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.819 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010635.D

Acq: 31 May 2019 14:33

Instrument :

MSVOA_W

ClientSampleId :

101-102

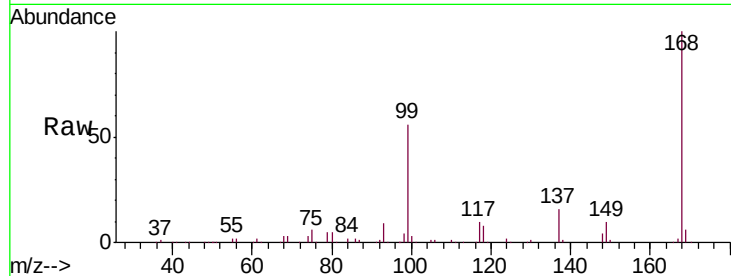
Tgt Ion: 117 Resp: 17127

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

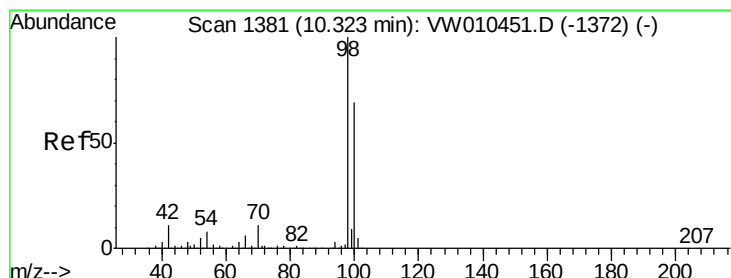
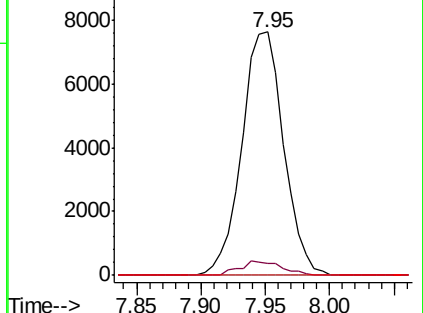
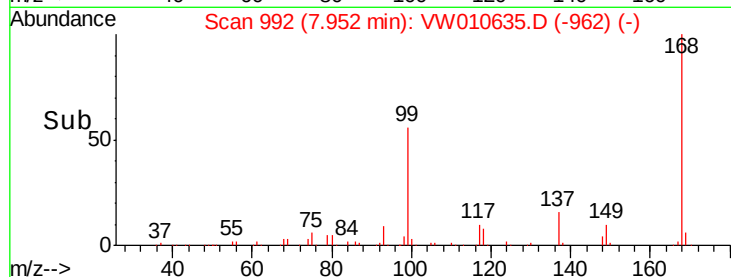
121 0.0 25.0 37.6#



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: 51.126 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010635.D

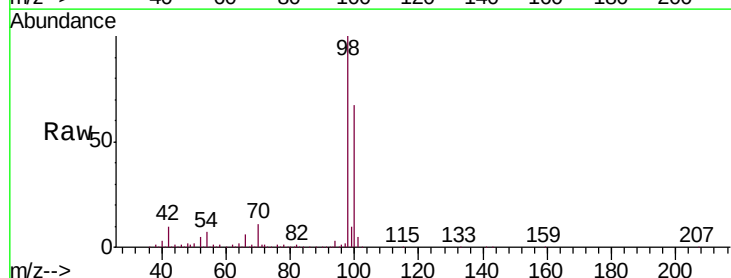
Acq: 31 May 2019 14:33

Tgt Ion: 98 Resp: 347128

Ion Ratio Lower Upper

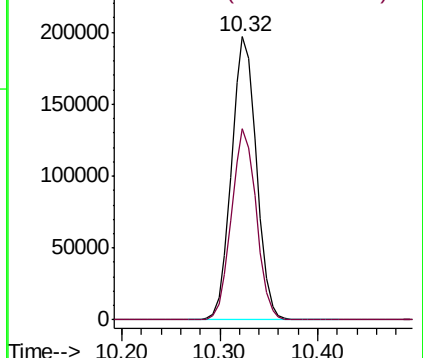
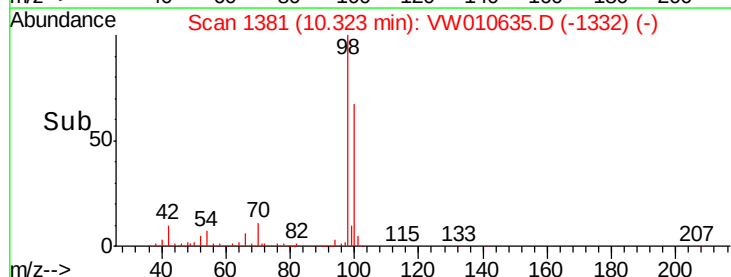
98 100

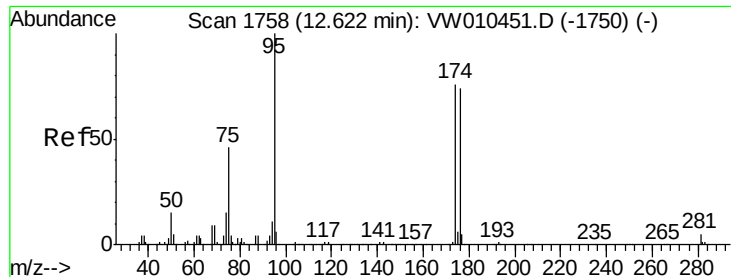
100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

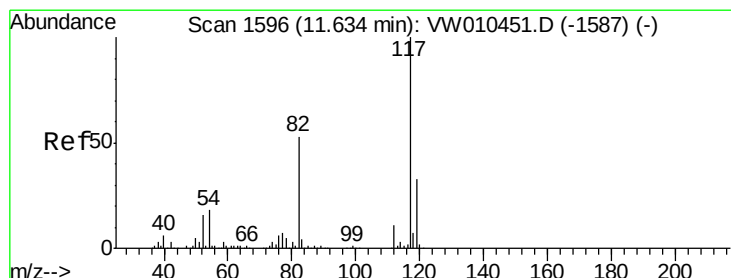
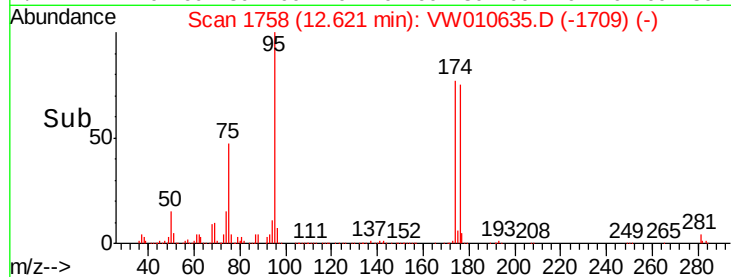
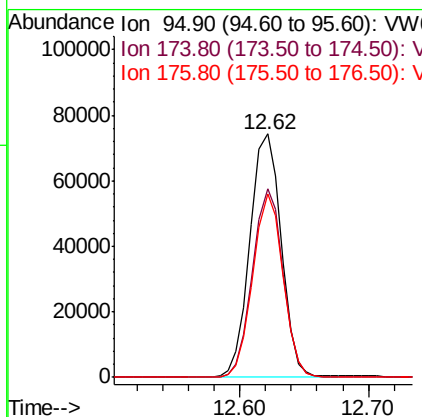
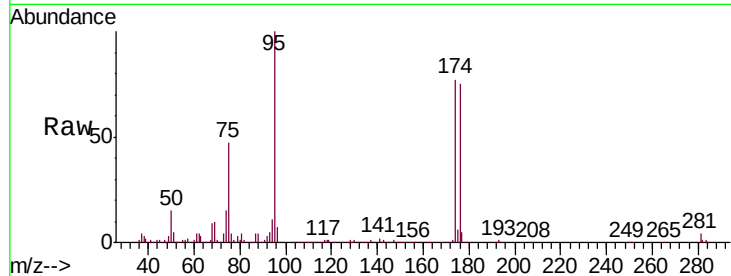




#62
 4-Bromofluorobenzene
 Concen: 45.766 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

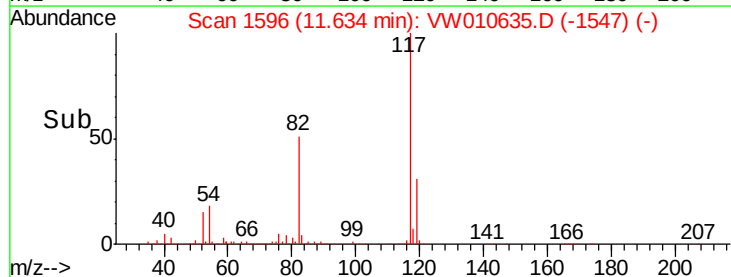
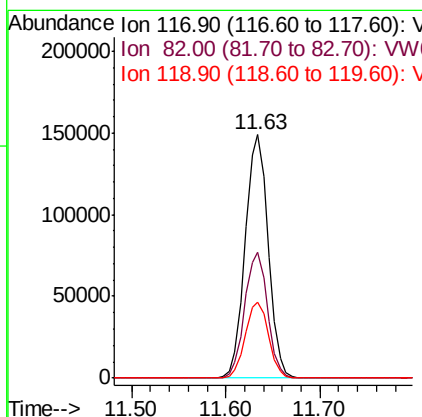
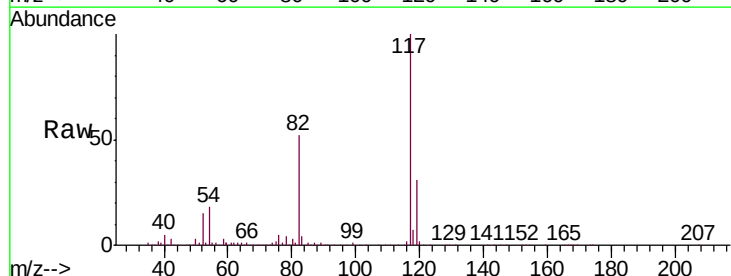
Instrument :
 MSVOA_W
 ClientSampled :
 101-102

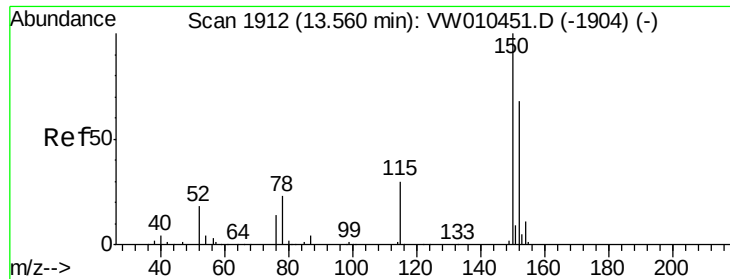
Tgt Ion:	95	Resp:	123771
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	148.6
176	73.0	0.0	144.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW010635.D
 Acq: 31 May 2019 14:33

Tgt Ion:	117	Resp:	254204
Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	31.2	26.3	39.5



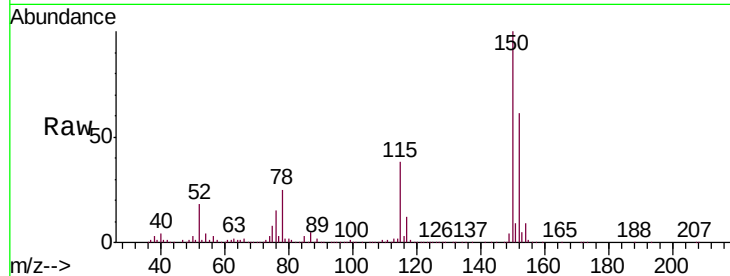


#72

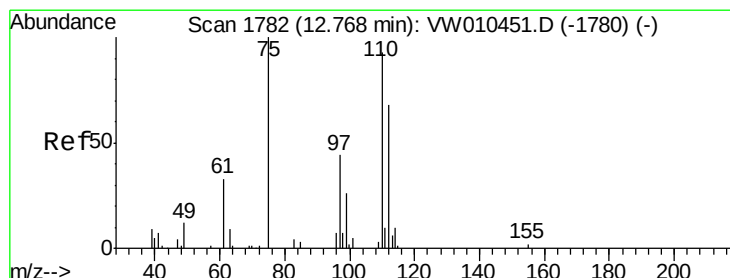
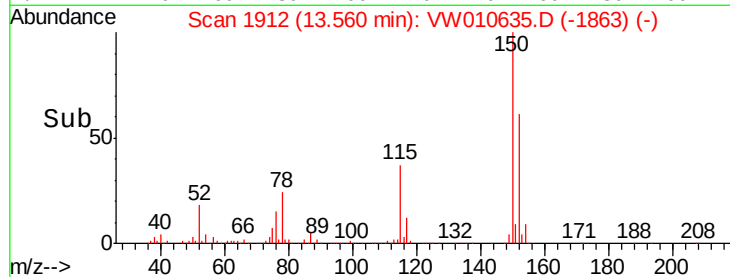
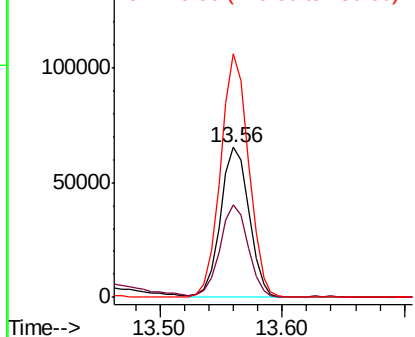
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010635.D
Acq: 31 May 2019 14:33

Instrument :
MSVOA_W
ClientSampled :
101-102

Tgt Ion:152 Resp: 106087
Ion Ratio Lower Upper
152 100
115 60.4 30.3 91.0
150 158.6 0.0 349.8



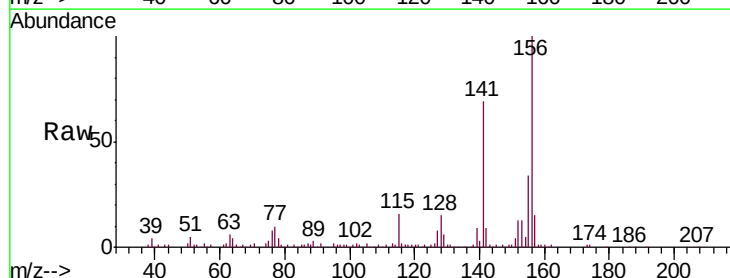
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



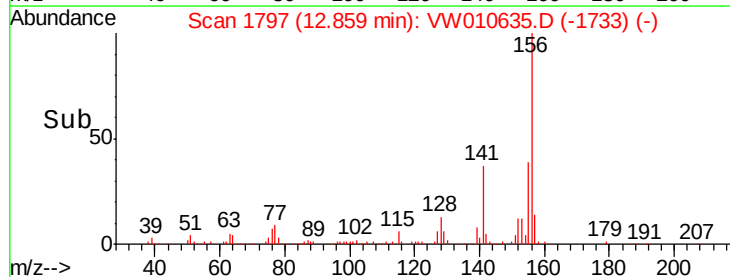
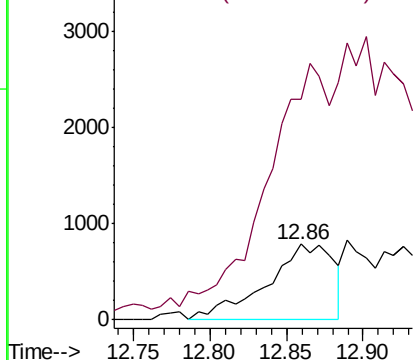
#76

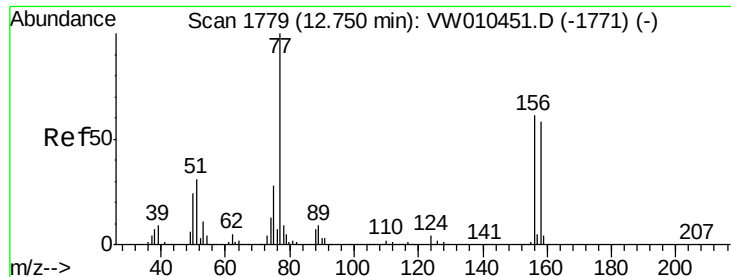
1,2,3-Trichloropropane
Concen: 2.236 ug/l
RT: 12.86 min Scan# 1797
Delta R.T. 0.09 min
Lab File: VW010635.D
Acq: 31 May 2019 14:33

Tgt Ion: 75 Resp: 2408
Ion Ratio Lower Upper
75 100
77 294.5 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 41.970 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.12 min

Lab File: VW010635.D

Acq: 31 May 2019 14:33

Instrument :

MSVOA_W

ClientSampleId :

101-102

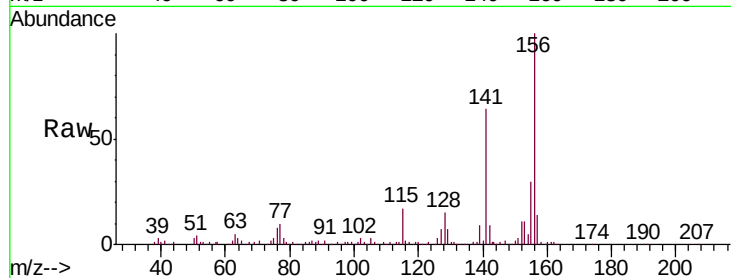
Tgt Ion:156 Resp: 79066

Ion Ratio Lower Upper

156 100

77 9.0 92.4 277.2#

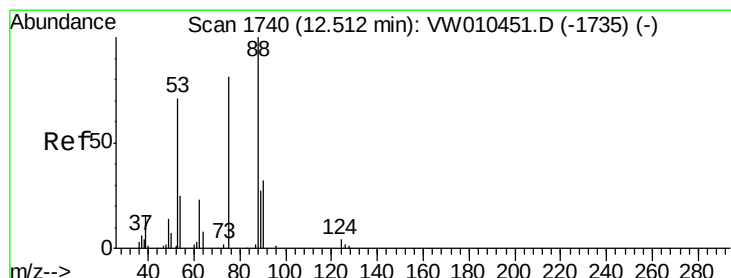
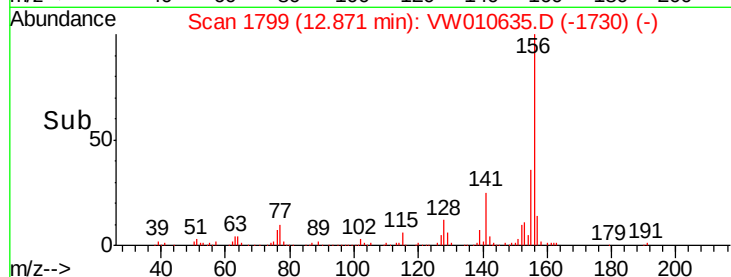
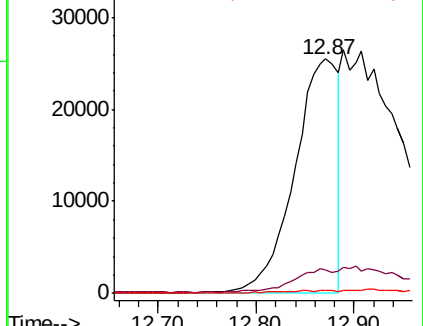
158 0.6 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.610 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010635.D

Acq: 31 May 2019 14:33

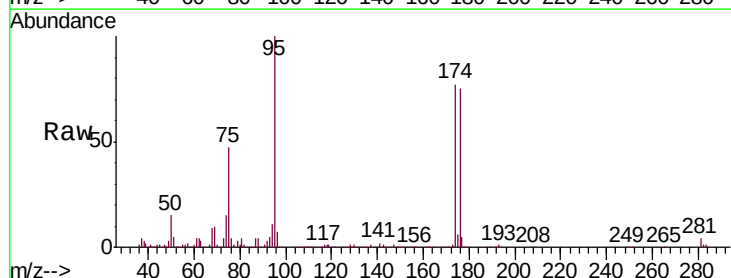
Tgt Ion: 75 Resp: 57588

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

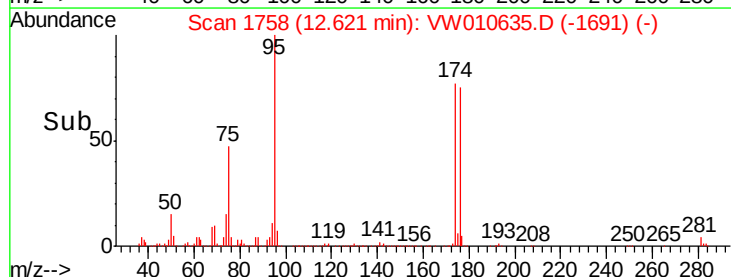
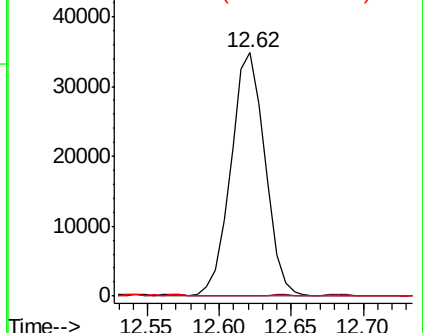
89 0.0 39.5 59.3#

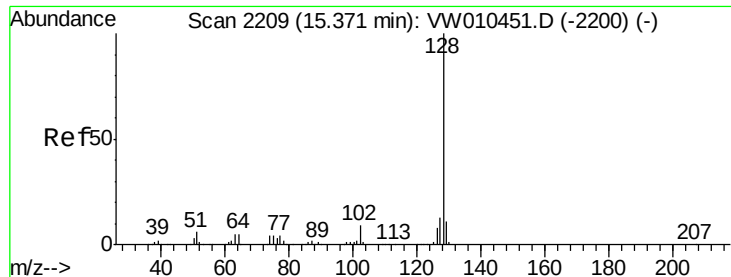


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

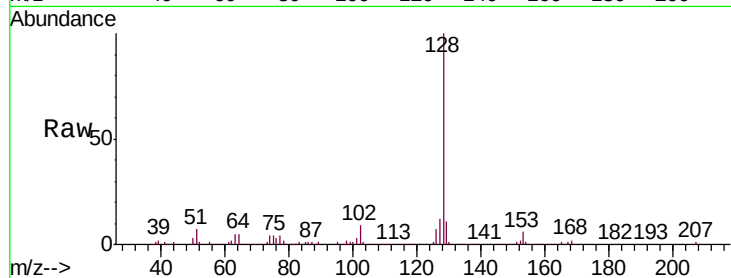




#95
Naphthalene
Concen: 20.405 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010635.D
Acq: 31 May 2019 14:33

Instrument :
MSVOA_W
ClientSampleId :
101-102

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.5	8.9	13.3



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

