

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003928.D
 Acq On : 13 Jul 2018 21:03
 Operator : VA/AP
 Sample : J3947-05RE
 Misc : 4.38G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:54:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	84231	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	106967	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
35) Dibromofluoromethane	7.88	113	94039	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	10.33	98	345333	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	
62) 4-Bromofluorobenzene	12.62	95	97281	34.39	ug/l	0.00
Spiked Amount			Recovery	=	68.78%	

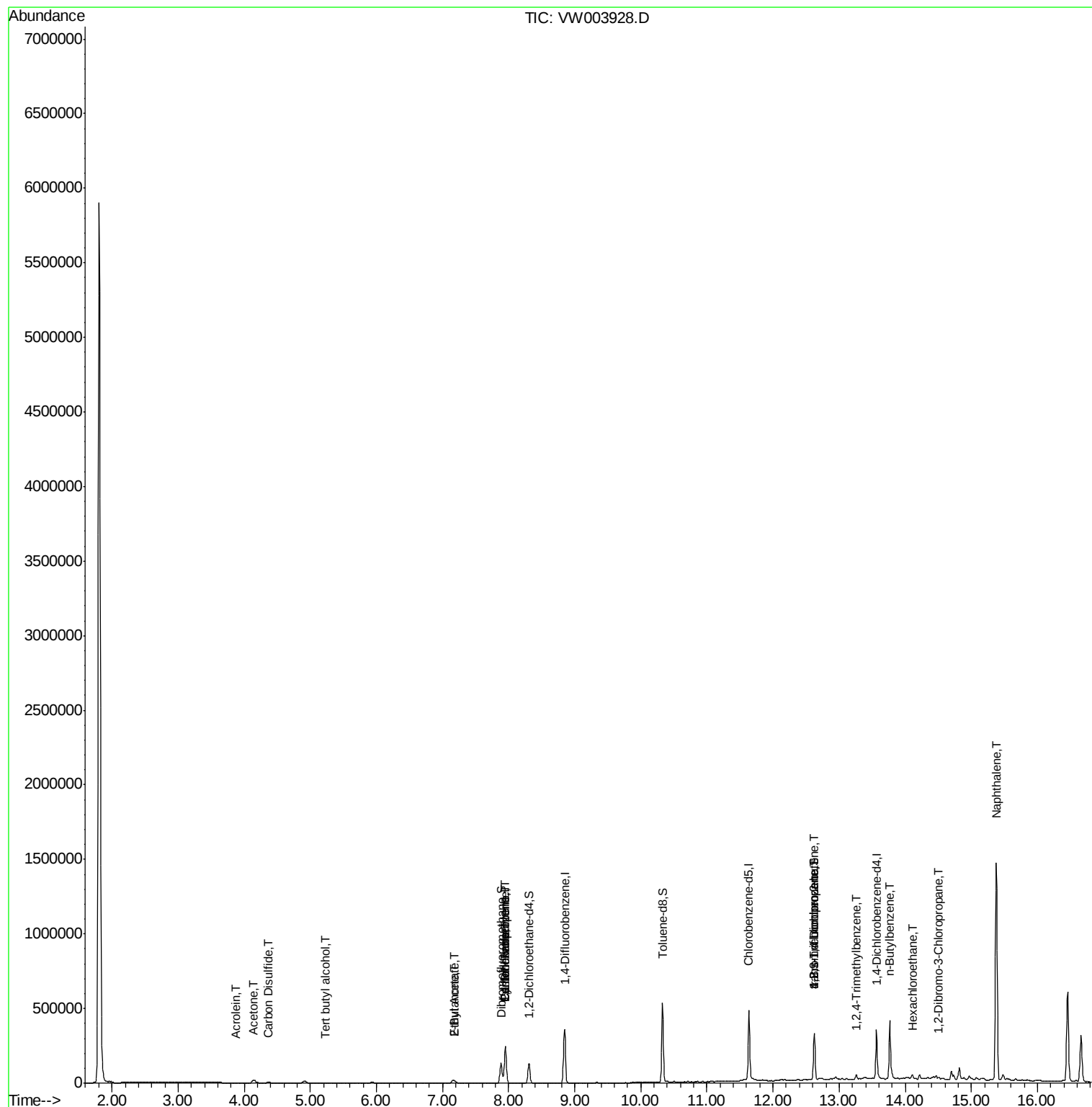
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	176	1.385	ug/l #	70
13) Acrolein	3.88	56	106	5.234	ug/l #	14
16) Acetone	4.14	43	45927	112.897	ug/l	93
17) Carbon Disulfide	4.37	76	14536	2.632	ug/l	97
25) 2-Butanone	7.19	43	13131	20.608	ug/l	94
31) Cyclohexane	7.95	56	5057	1.478	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	14915	4.813	ug/l #	50
37) Ethyl Acetate	7.19	43	13131	8.708	ug/l #	70
38) Carbon Tetrachloride	7.95	117	18074	6.134	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	51312	62.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51312	151.754	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	14455	2.830	ug/l	95
89) n-Butylbenzene	13.76	91	35120	6.736	ug/l #	44
90) Hexachloroethane	14.10	117	1634	1.600	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.49	75	423	2.113	ug/l #	4
95) Naphthalene	15.38	128	1232215	394.419	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071318\
Data File : VW003928.D
Acq On : 13 Jul 2018 21:03
Operator : VA/AP
Sample : J3947-05RE
Misc : 4.38G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 13 23:54:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 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: VW003928.D

Acq: 13 Jul 2018 21:03

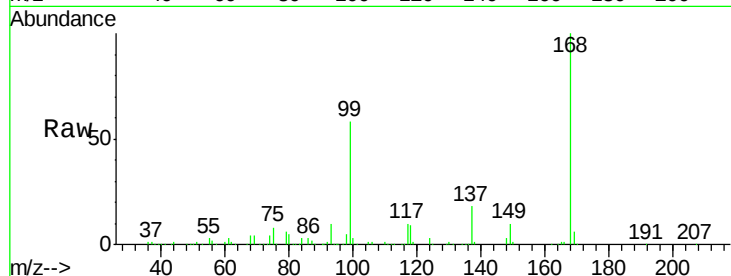
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 179299

Ion Ratio Lower Upper

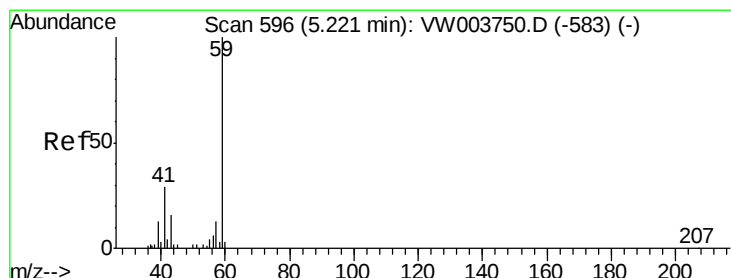
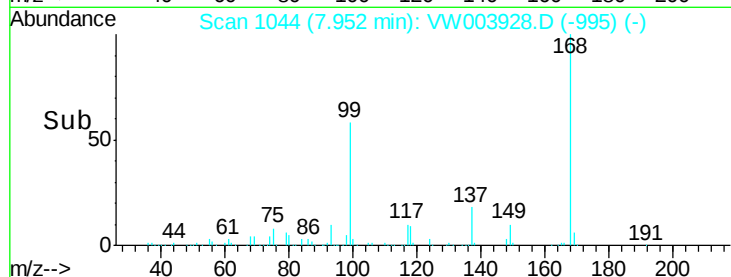
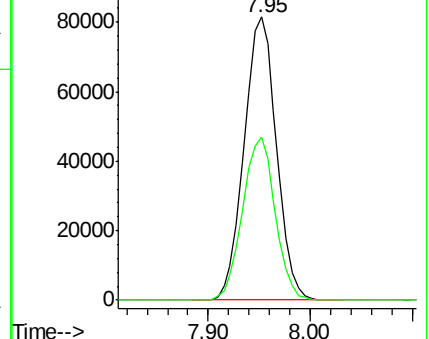
168 100

99 57.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.385 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003928.D

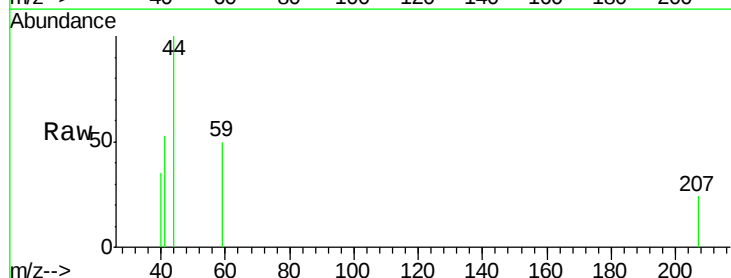
Acq: 13 Jul 2018 21:03

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

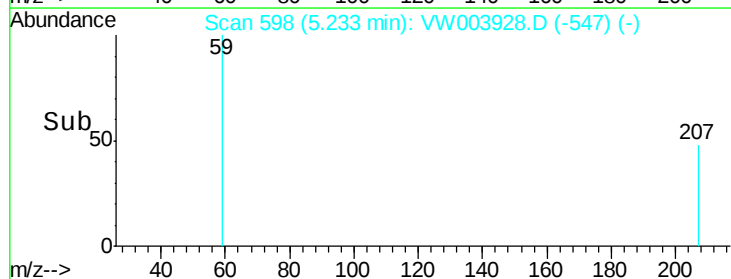
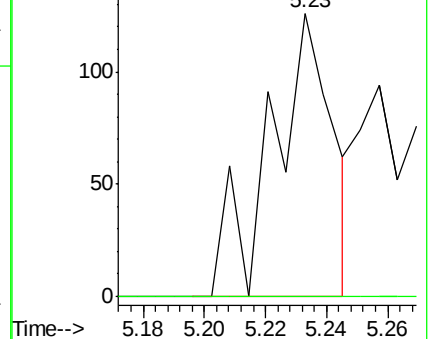
59 100

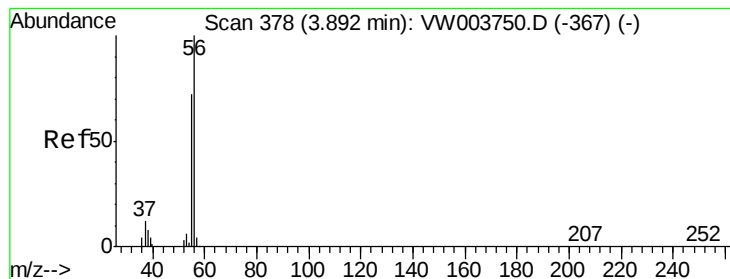
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.234 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

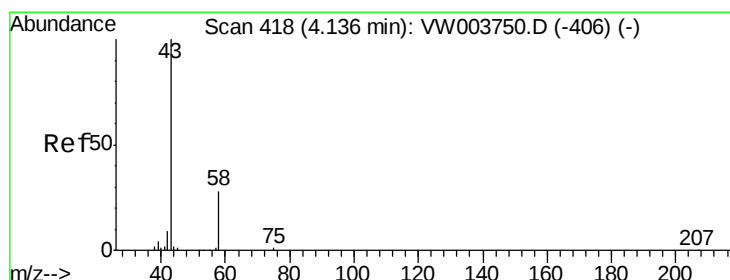
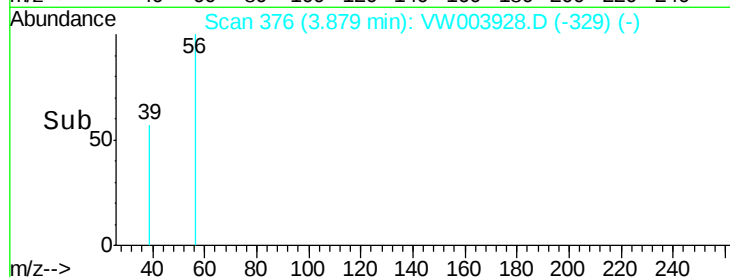
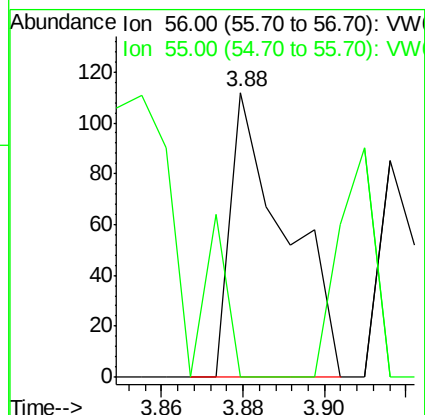
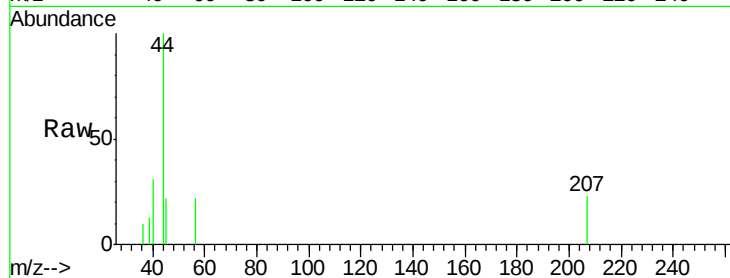
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



#16

Acetone

Concen: 112.897 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003928.D

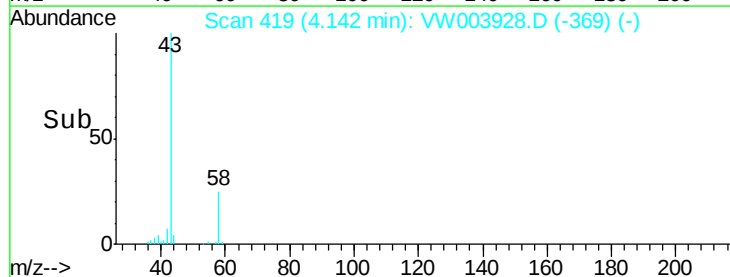
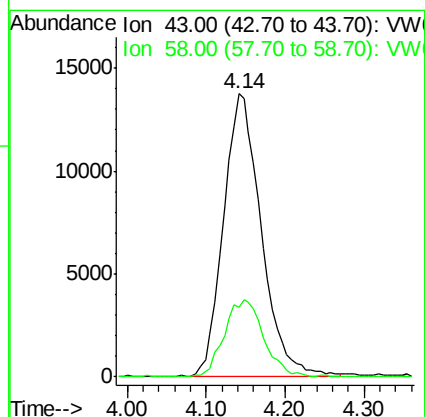
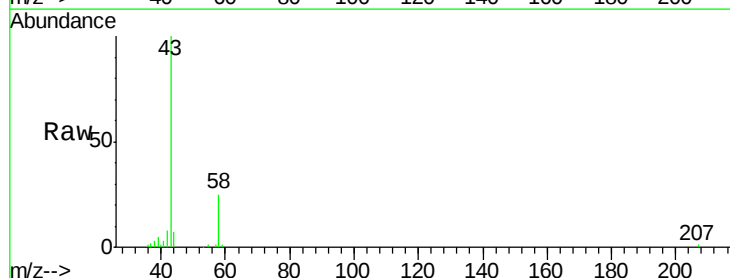
Acq: 13 Jul 2018 21:03

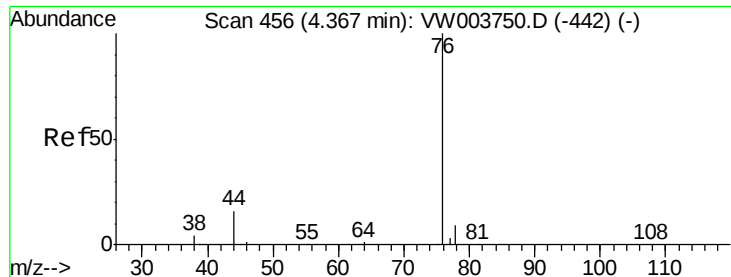
Tgt Ion: 43 Resp: 45927

Ion Ratio Lower Upper

43 100

58 24.5 22.6 34.0





#17

Carbon Disulfide

Concen: 2.632 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

Instrument :

MSVOA_W

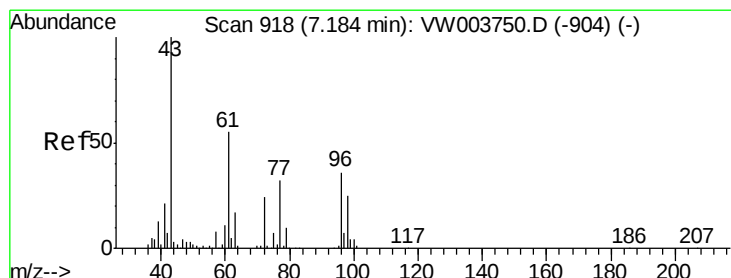
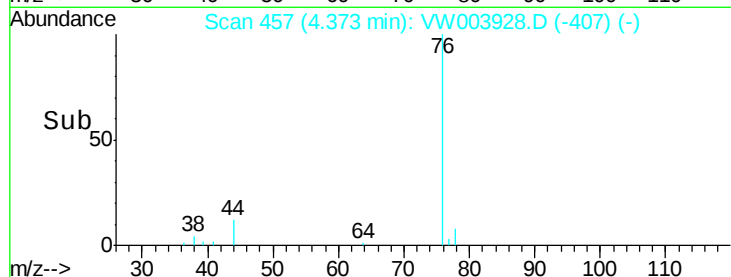
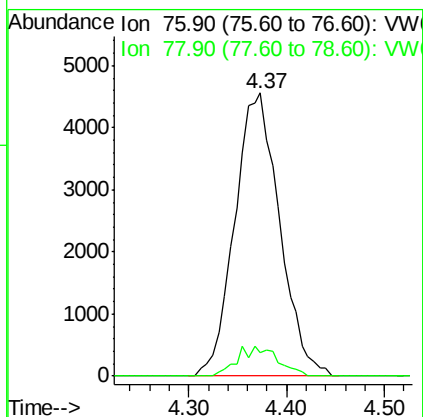
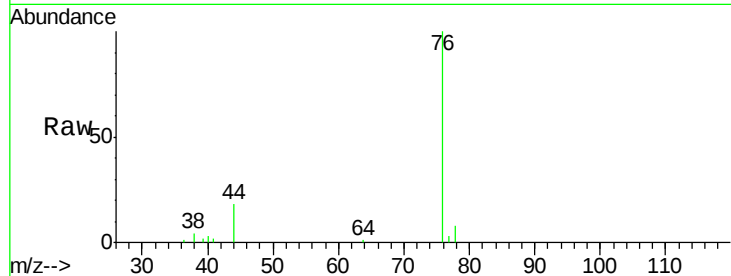
ClientSampled :

Tot Ion: 76 Resp: 14536

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.2



#25

2-Butanone

Concen: 20.608 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003928.D

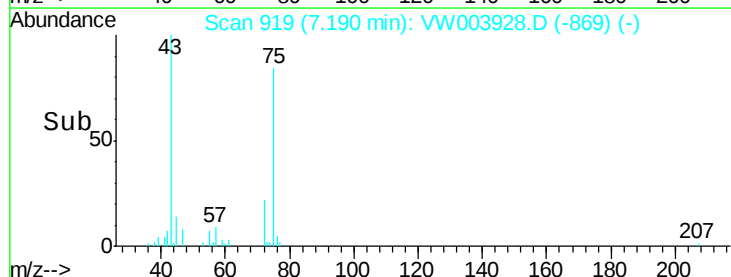
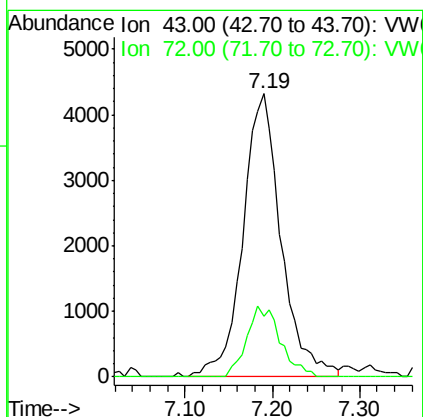
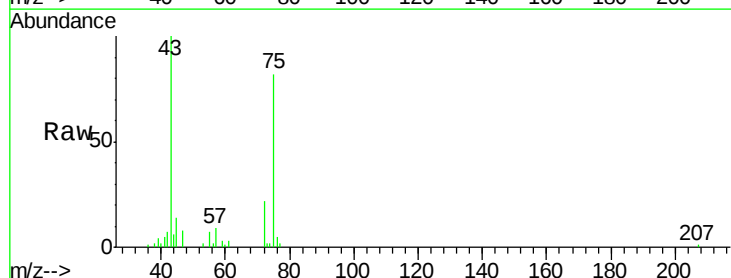
Acq: 13 Jul 2018 21:03

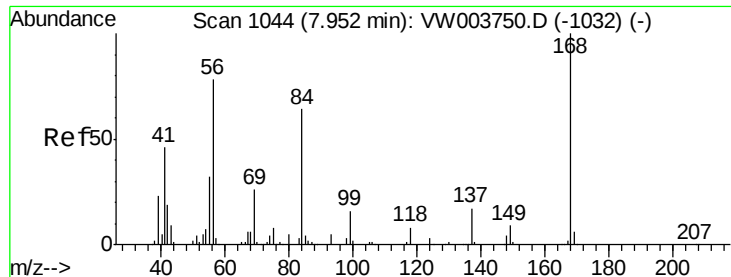
Tgt Ion: 43 Resp: 13131

Ion Ratio Lower Upper

43 100

72 21.5 19.4 29.2

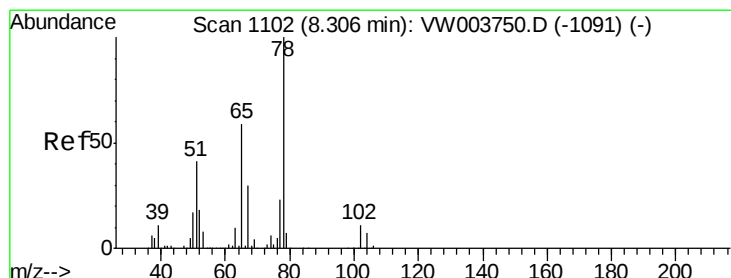
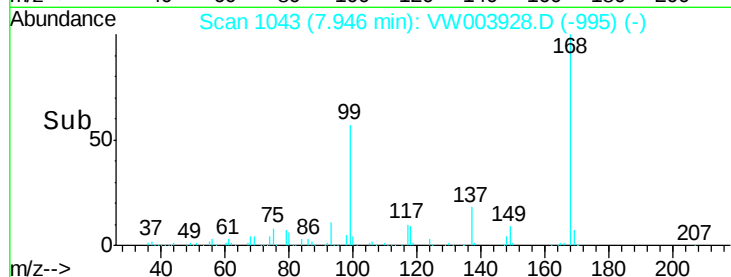
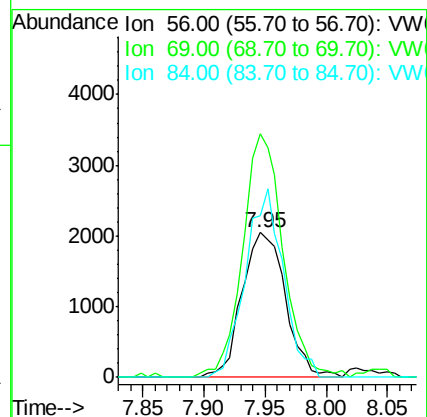
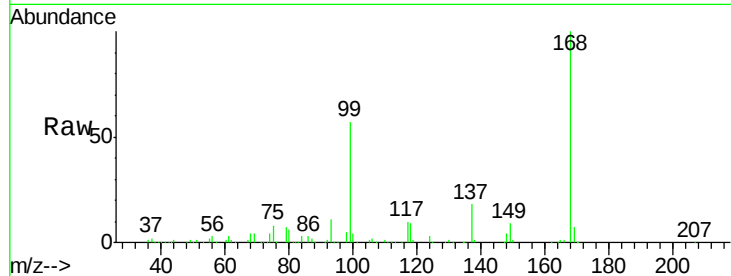




#31
Cyclohexane
Concen: 1.478 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

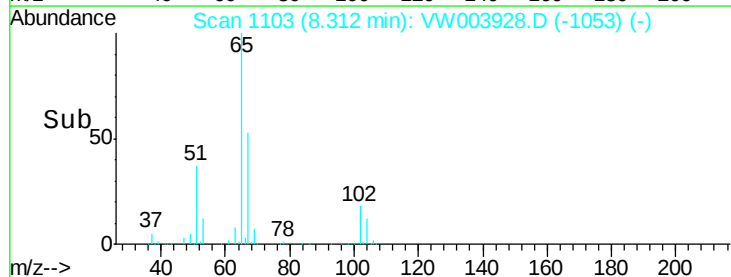
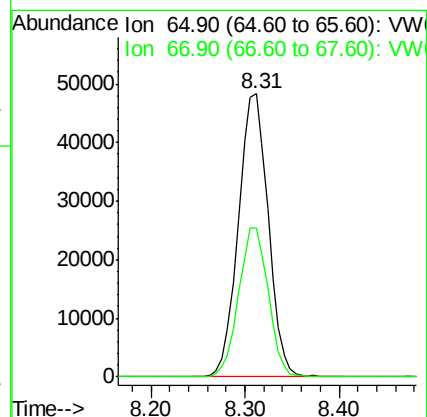
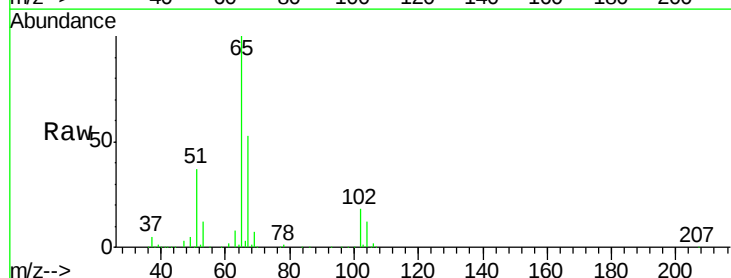
Instrument :
MSVOA_W
ClientSampled :

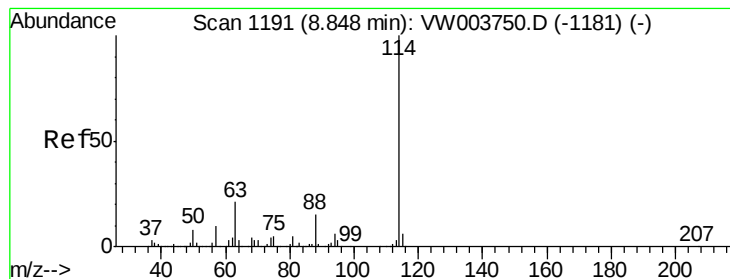
Tot Ion: 56 Resp: 5057
Ion Ratio Lower Upper
56 100
69 168.2 26.2 39.4#
84 111.3 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 45.620 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Tgt Ion: 65 Resp: 106967
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

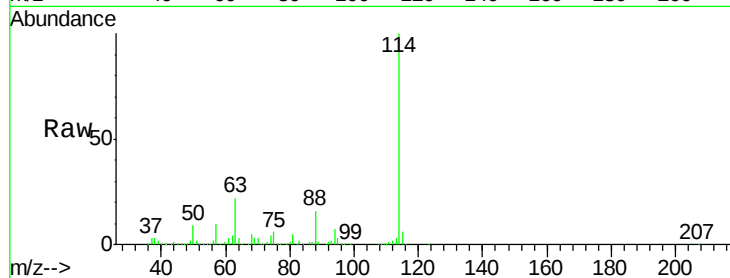
Tot Ion:114 Resp: 292063

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

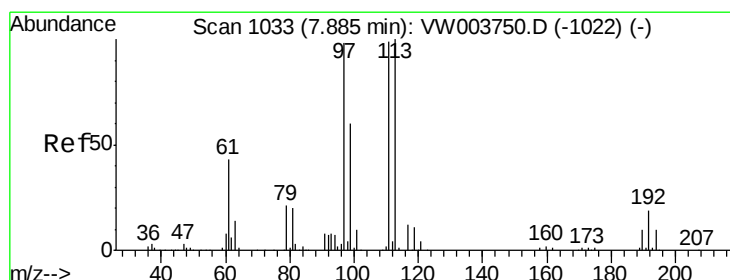
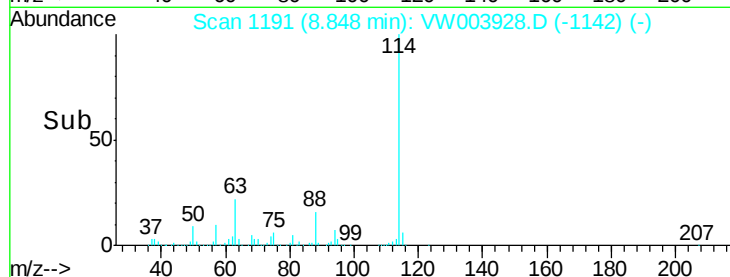
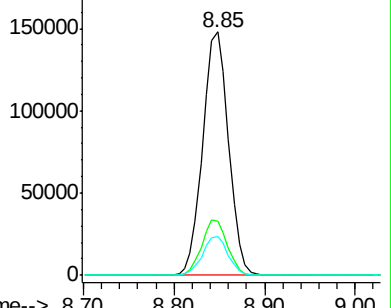
88 15.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 46.005 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

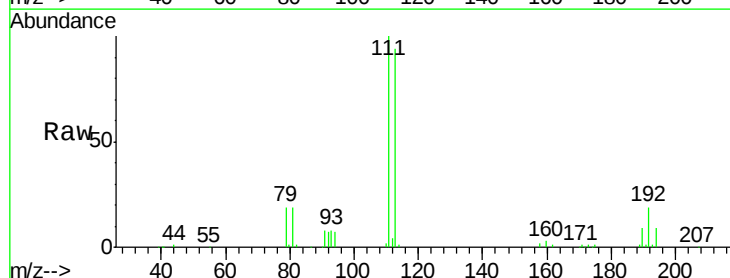
Tgt Ion:113 Resp: 94039

Ion Ratio Lower Upper

113 100

111 104.7 81.7 122.5

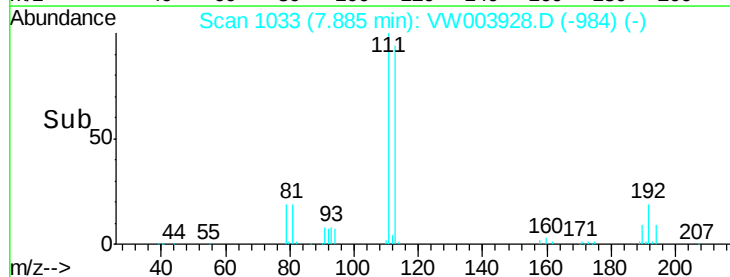
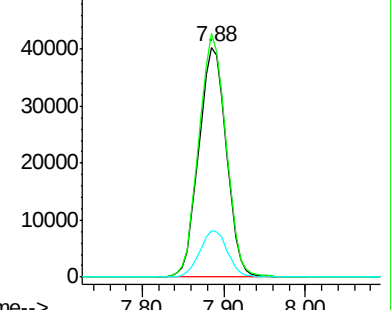
192 20.3 15.8 23.8

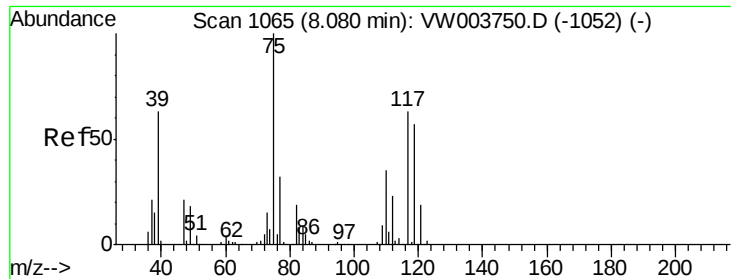


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

Instrument :

MSVOA_W

ClientSampled :

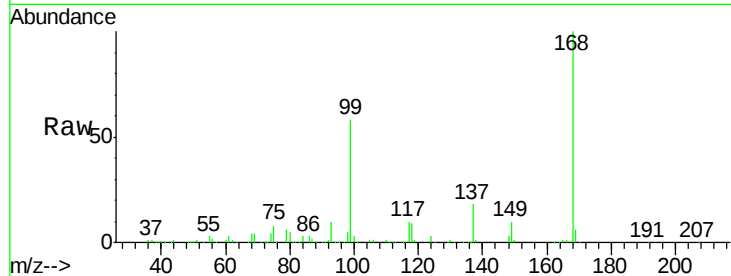
Tot Ion: 75 Resp: 14915

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

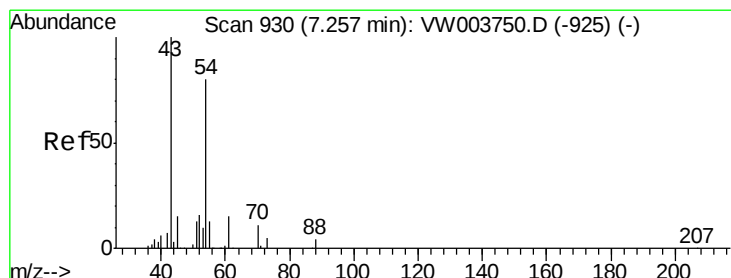
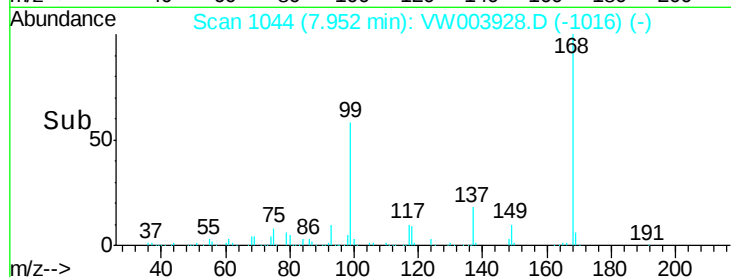
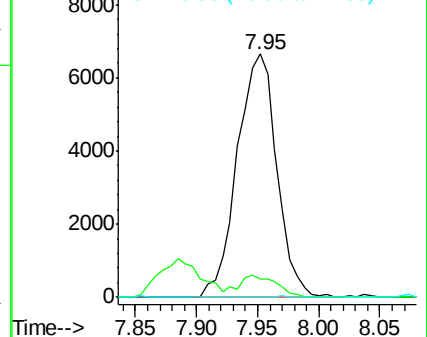
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 8.708 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

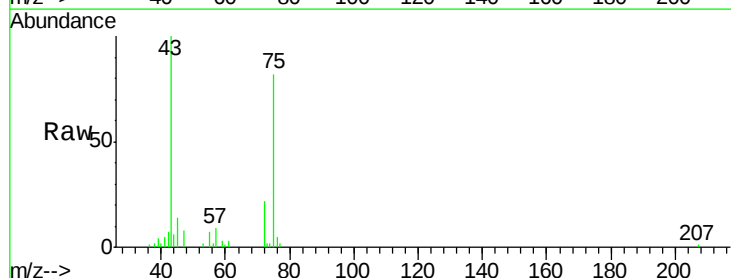
Tgt Ion: 43 Resp: 13131

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

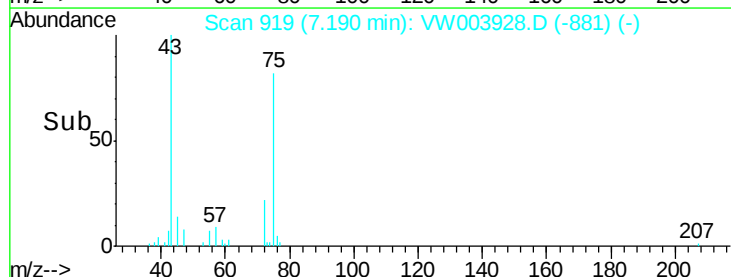
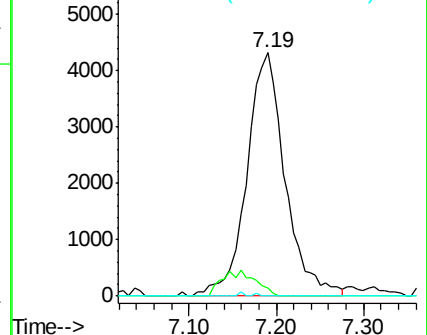
70 0.2 7.5 11.3#

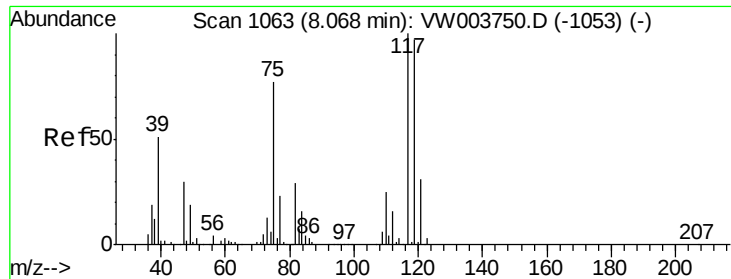


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

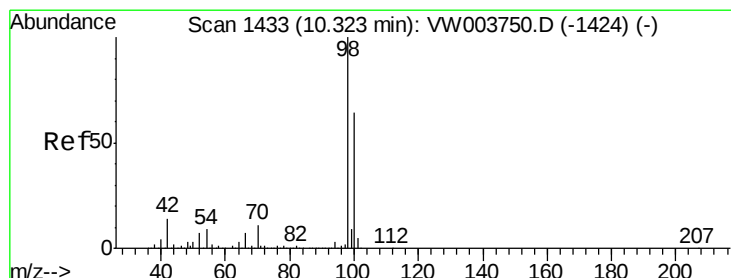
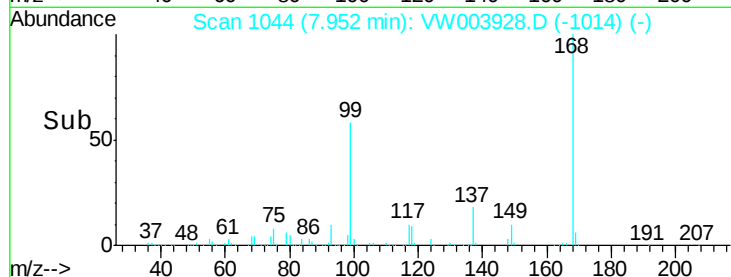
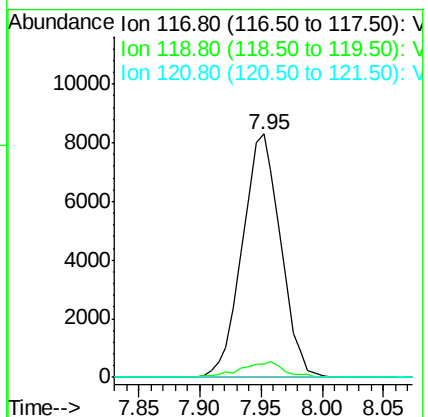
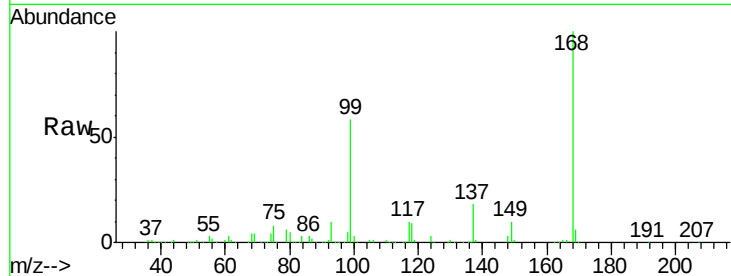




#38
Carbon Tetrachloride
Concen: 6.134 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

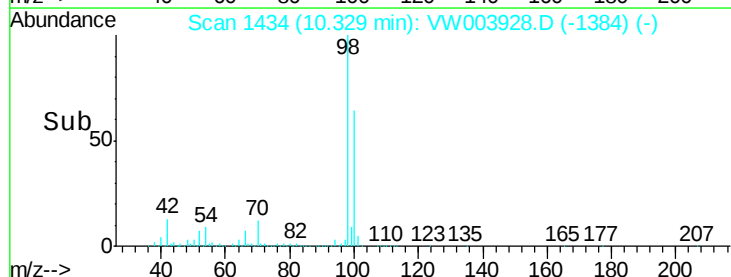
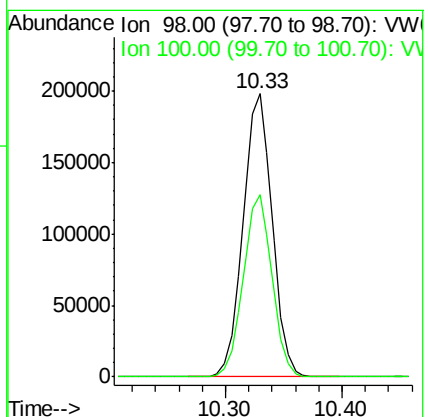
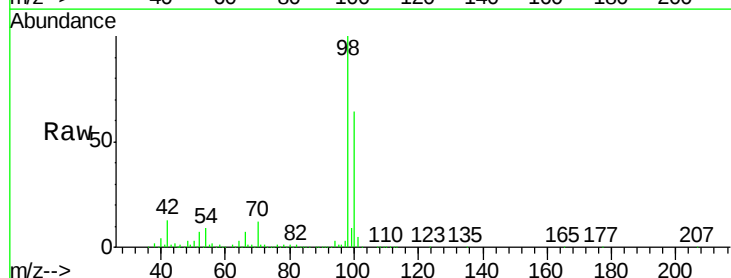
Instrument :
MSVOA_W
ClientSampled :

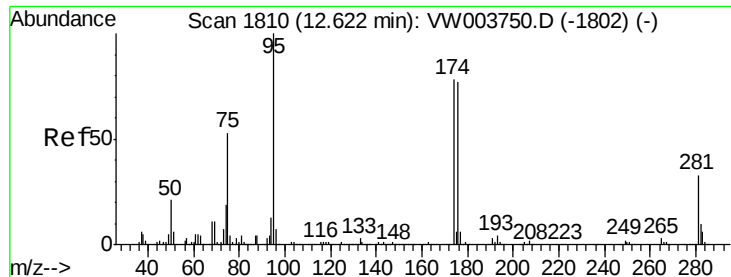
Tot Ion:117 Resp: 18074
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.165 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Tgt Ion: 98 Resp: 345333
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2

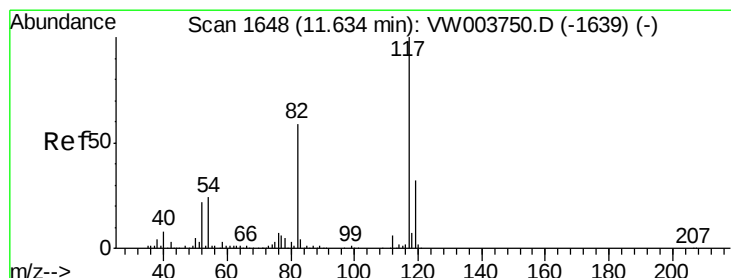
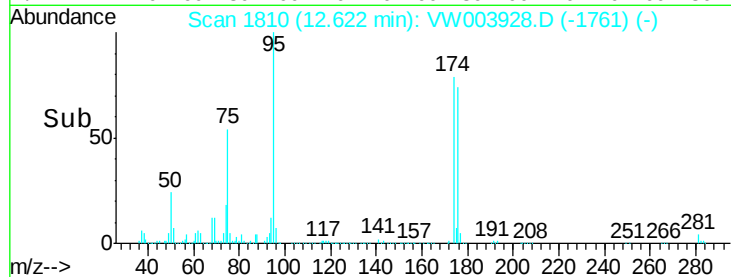
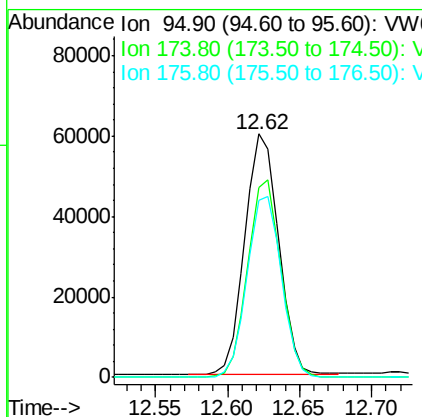
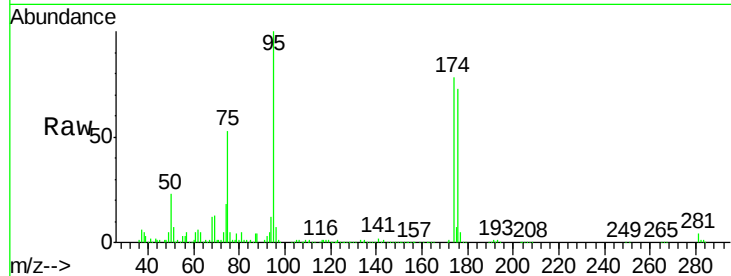




#62
4-Bromofluorobenzene
Concen: 34.386 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

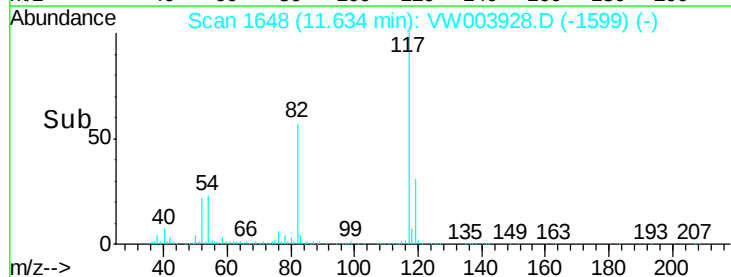
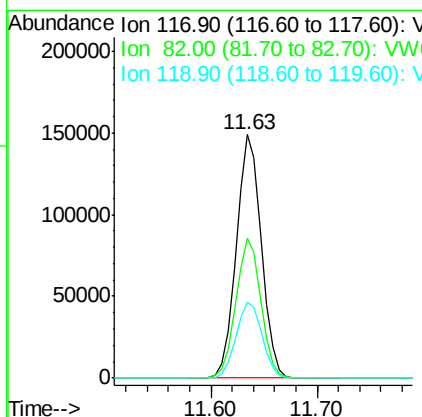
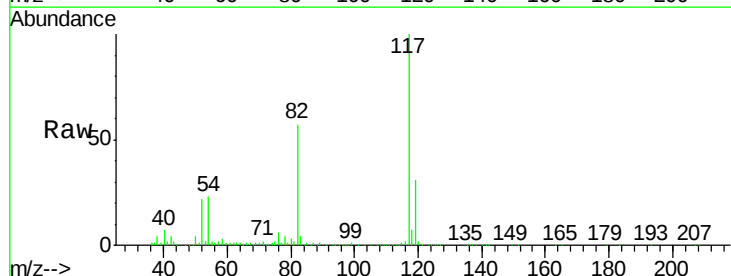
Instrument :
MSVOA_W
ClientSampleId :

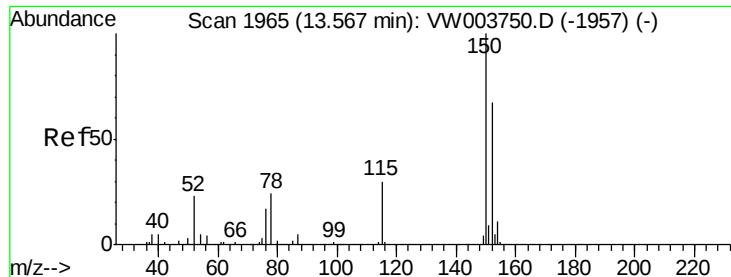
Tot Ion: 95 Resp: 97281
Ion Ratio Lower Upper
95 100
174 80.4 0.0 163.4
176 75.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Tgt Ion: 117 Resp: 245022
Ion Ratio Lower Upper
117 100
82 57.2 46.9 70.3
119 31.1 25.5 38.3



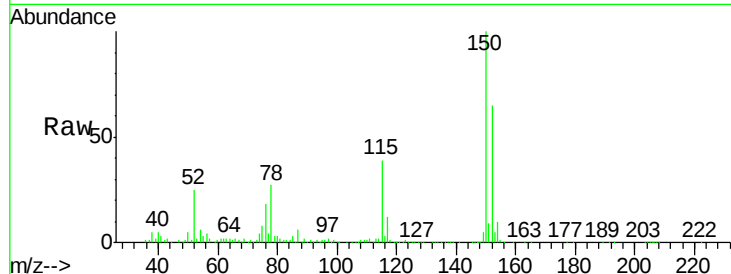


#72

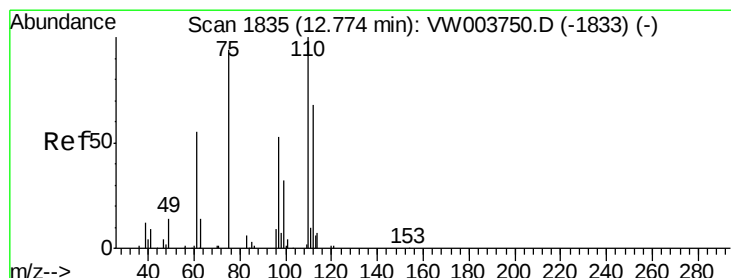
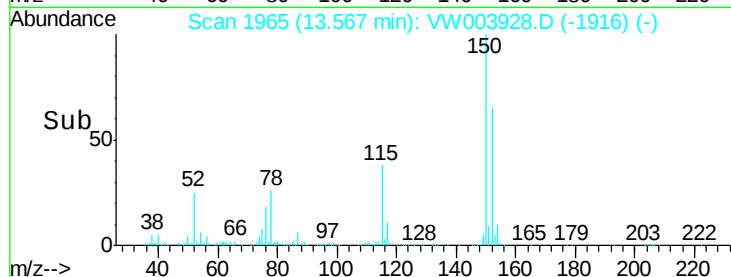
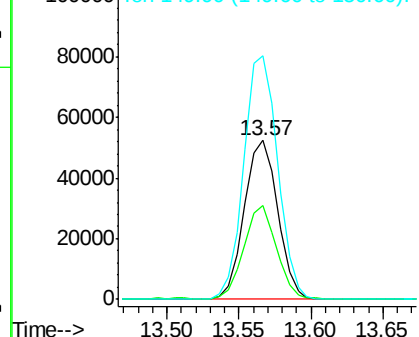
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 84231
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.8
150 155.8 0.0 342.4



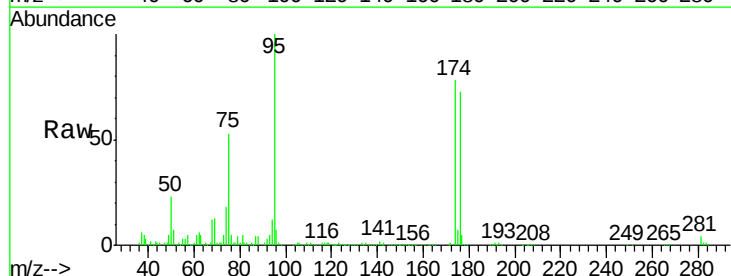
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



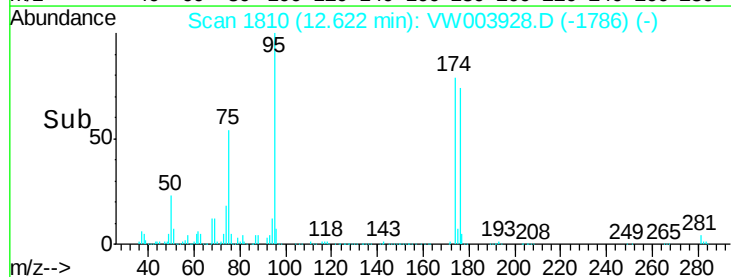
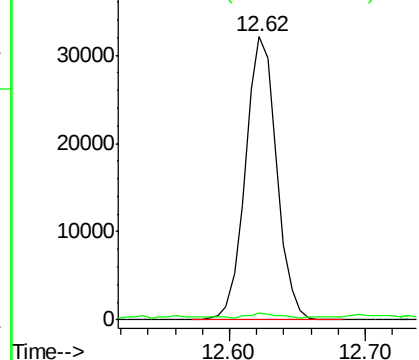
#76

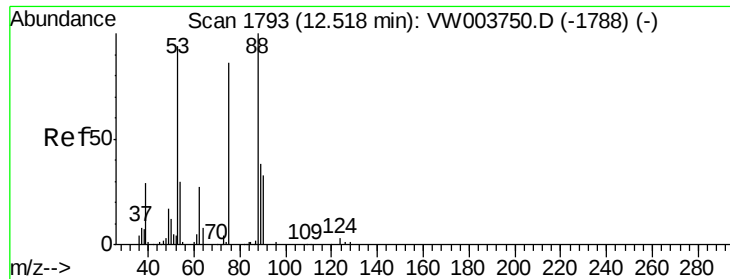
1,2,3-Trichloropropane
Concen: 62.036 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Tgt Ion: 75 Resp: 51312
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



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

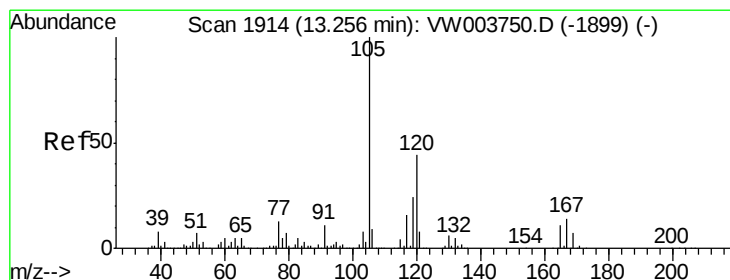
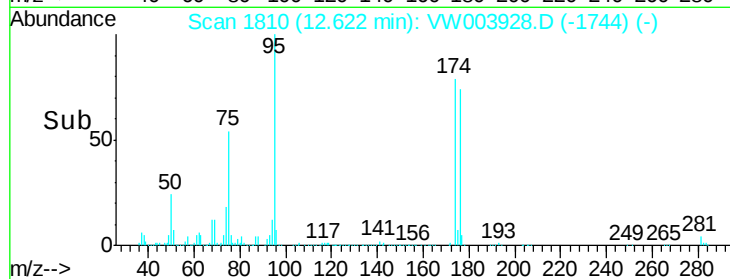
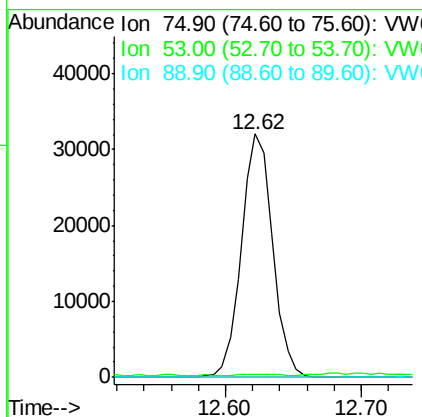
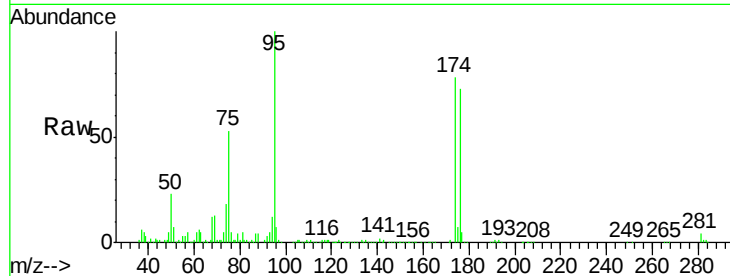




#81
trans-1,4-Dichloro-2-butene
Concen: 151.754 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

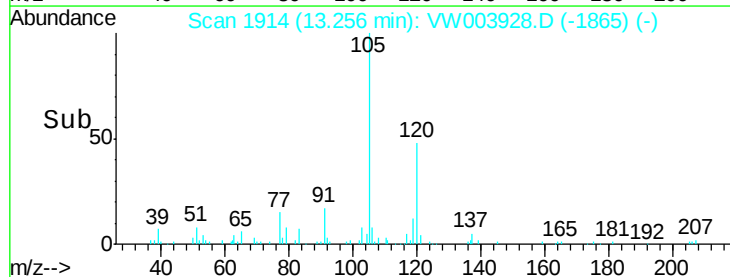
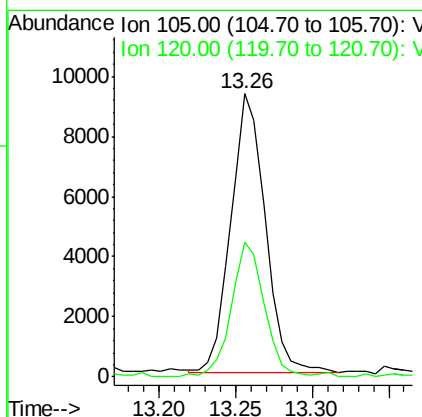
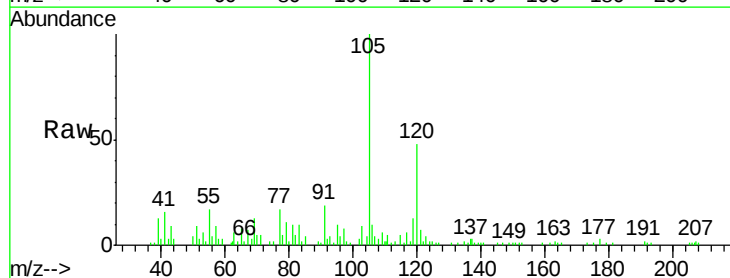
Instrument :
MSVOA_W
ClientSampleId :

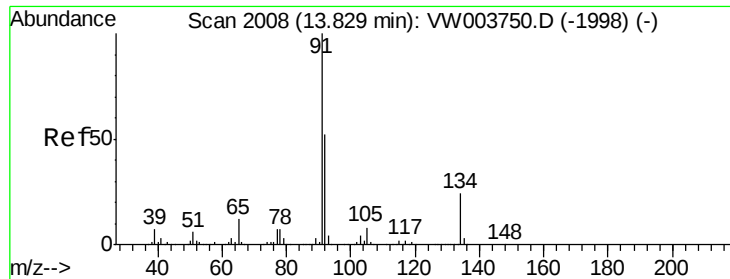
Tot Ion: 75 Resp: 51312
Ion Ratio Lower Upper
75 100
53 0.0 85.0 127.6#
89 0.1 36.3 54.5#



#84
1,2,4-Trimethylbenzene
Concen: 2.830 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003928.D
Acq: 13 Jul 2018 21:03

Tgt Ion: 105 Resp: 14455
Ion Ratio Lower Upper
105 100
120 47.2 22.0 66.0





#89

n-Butylbenzene

Concen: 6.736 ug/l

RT: 13.76 min Scan# 1997

Delta R.T. -0.07 min

Lab File: VW003928.D

Acq: 13 Jul 2018 21:03

Instrument :

MSVOA_W

ClientSampled :

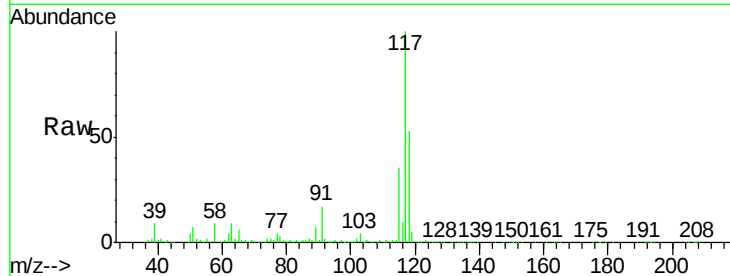
Tot Ion: 91 Resp: 35120

Ion Ratio Lower Upper

91 100

92 10.8 26.1 78.3#

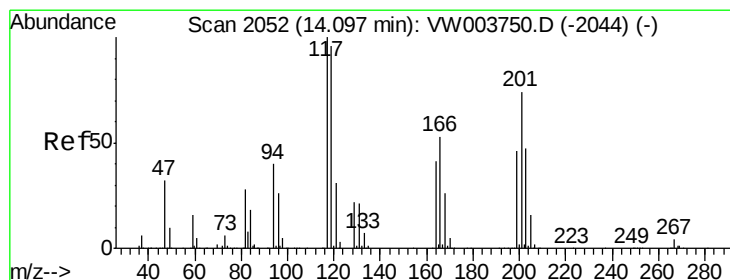
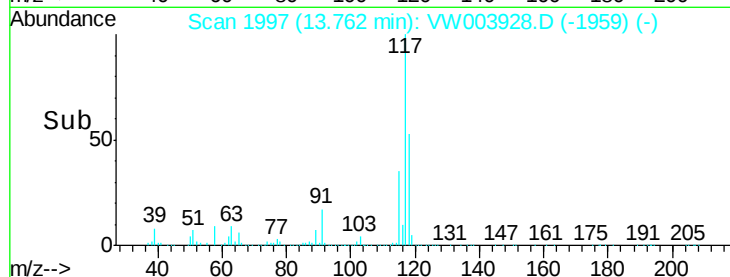
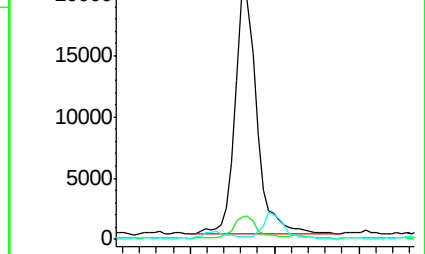
134 0.0 12.4 37.4#



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): VW



#90

Hexachloroethane

Concen: 1.600 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW003928.D

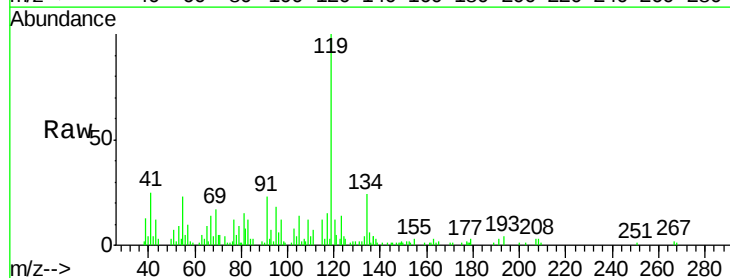
Acq: 13 Jul 2018 21:03

Tgt Ion: 117 Resp: 1634

Ion Ratio Lower Upper

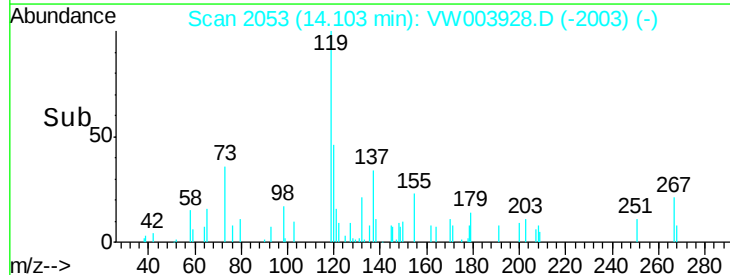
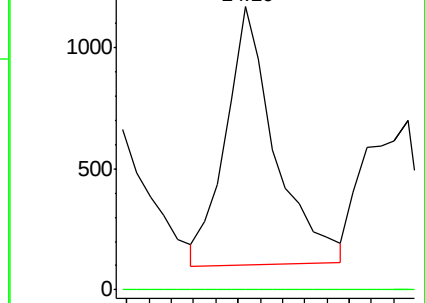
117 100

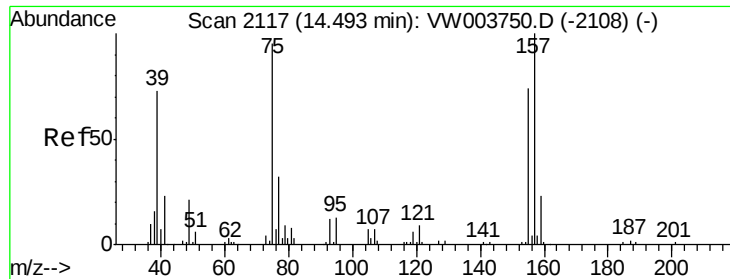
201 0.0 39.2 117.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

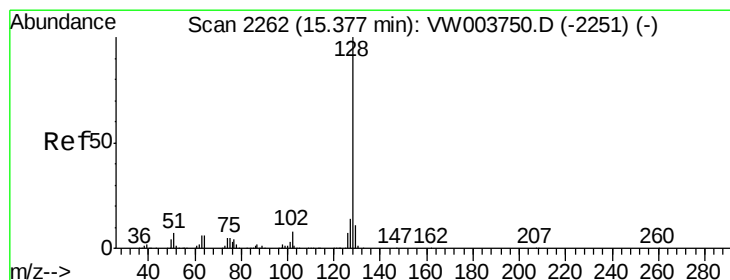
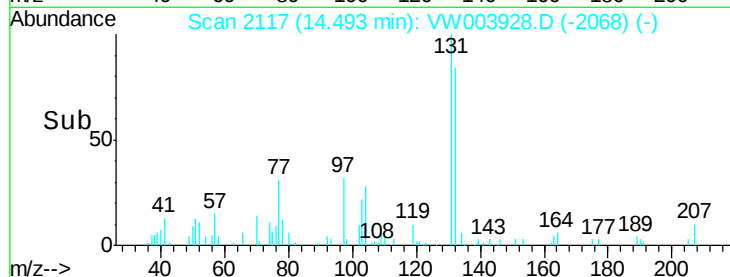
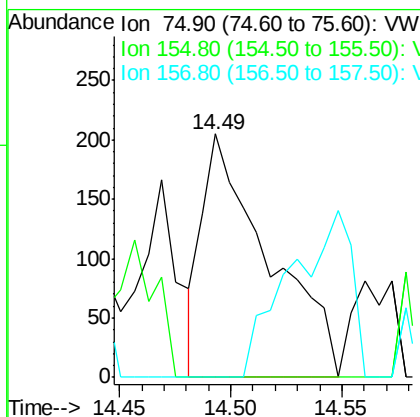
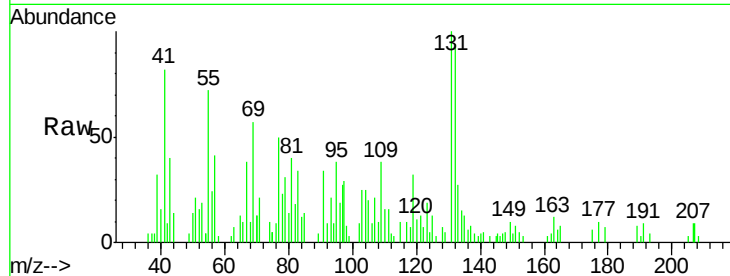




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.113 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003928.D
 Acq: 13 Jul 2018 21:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 423
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 50.7 152.1#



#95
 Naphthalene
 Concen: 394.419 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW003928.D
 Acq: 13 Jul 2018 21:03

Tgt Ion: 128 Resp: 1232215
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.8 16.2
 129 10.9 8.6 13.0

