

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012312.D
 Acq On : 29 Aug 2019 19:04
 Operator : SY/VA
 Sample : K4472-10RE
 Misc : 5.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1-(2.5)

Quant Time: Aug 30 06:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102663	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	134486	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
35) Dibromofluoromethane	7.88	113	109328	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.32	98	452212	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	143482	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

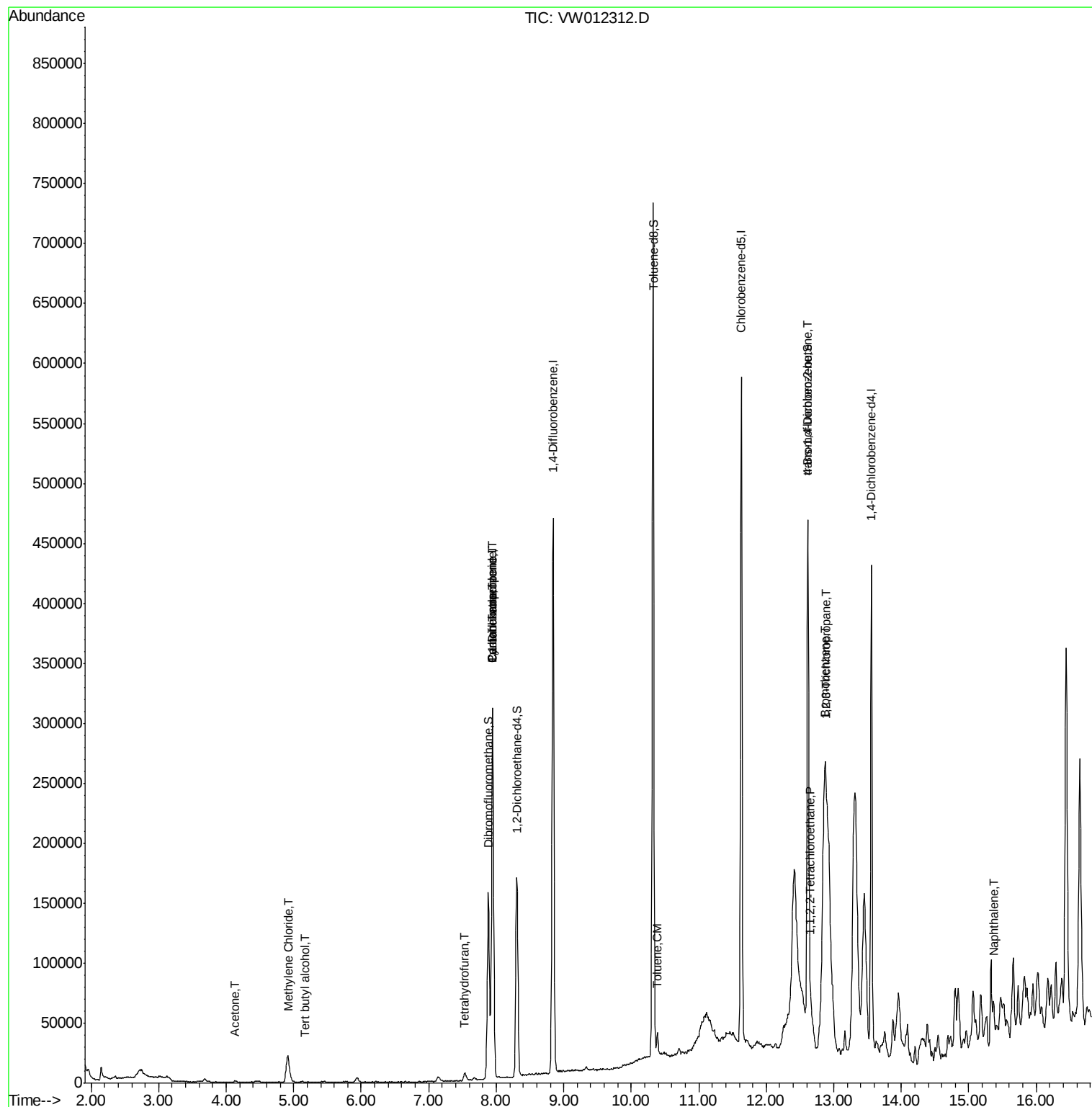
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	274	1.708	ug/l #	71
16) Acetone	4.14	43	1872	2.748	ug/l	96
20) Methylene Chloride	4.92	84	16899	6.561	ug/l	94
29) Tetrahydrofuran	7.53	42	5487	9.879	ug/l	99
31) Cyclohexane	7.95	56	5616	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19262	5.073	ug/l #	53
38) Carbon Tetrachloride	7.95	117	22696	6.907	ug/l #	16
52) Toluene	10.38	92	7441	1.195	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.65	83	14236	10.094	ug/l #	27
76) 1,2,3-Trichloropropane	12.88	75	14688	14.690	ug/l #	100
77) Bromobenzene	12.88	156	361886	217.450	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	71006	155.704	ug/l #	6
95) Naphthalene	15.36	128	28452	11.033	ug/l	99

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

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

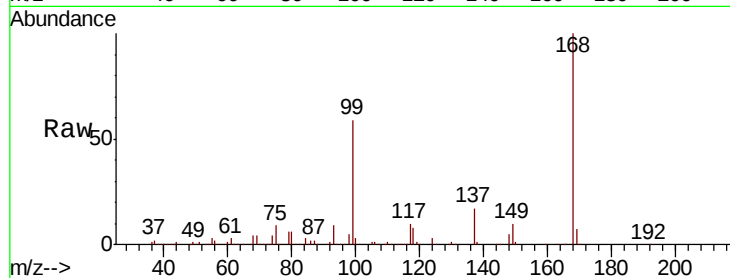
T2-S1-(2.5)

Tgt Ion:168 Resp: 224203

Ion Ratio Lower Upper

168 100

99 58.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

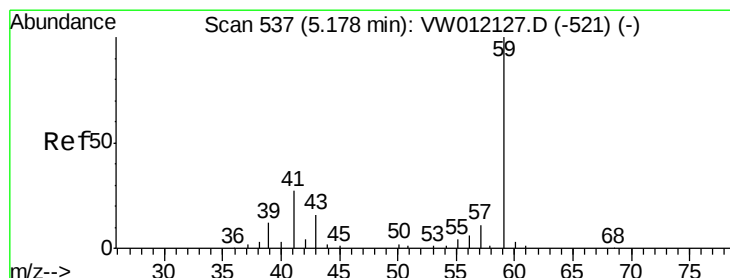
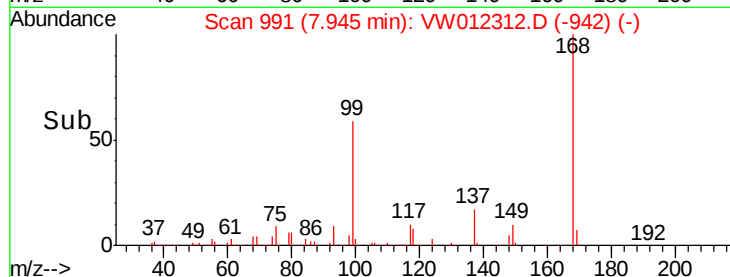
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.708 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012312.D

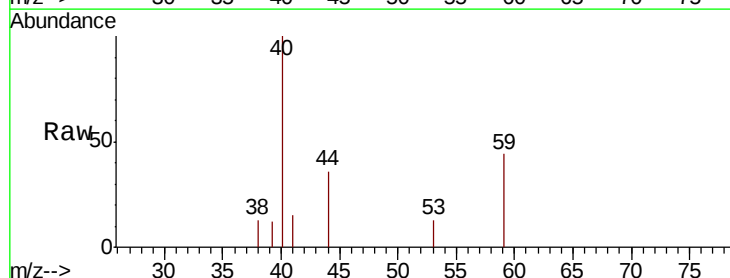
Acq: 29 Aug 2019 19:04

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

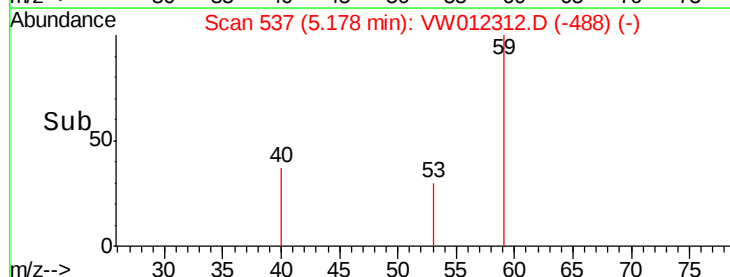
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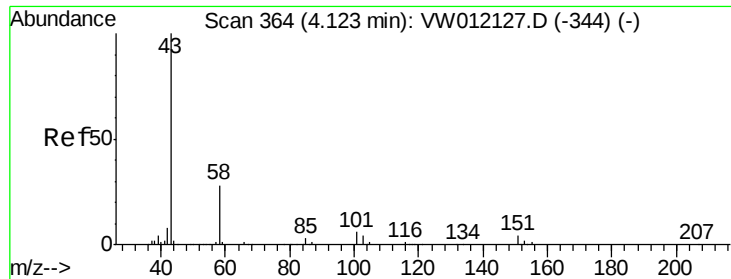
200

100

0

Time-->





#16

Acetone

Concen: 2.748 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

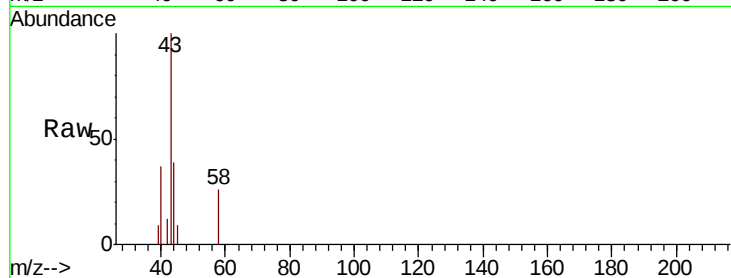
T2-S1-(2.5)

Tgt Ion: 43 Resp: 1872

Ion Ratio Lower Upper

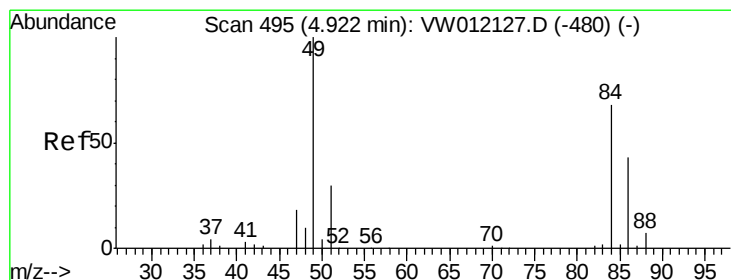
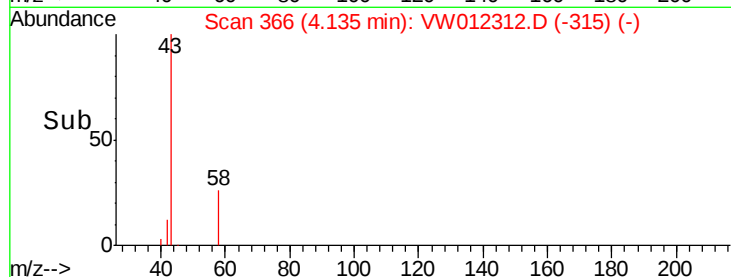
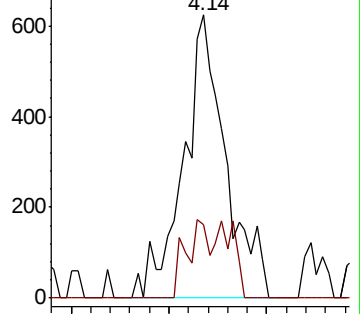
43 100

58 26.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.561 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Tgt Ion: 84 Resp: 16899

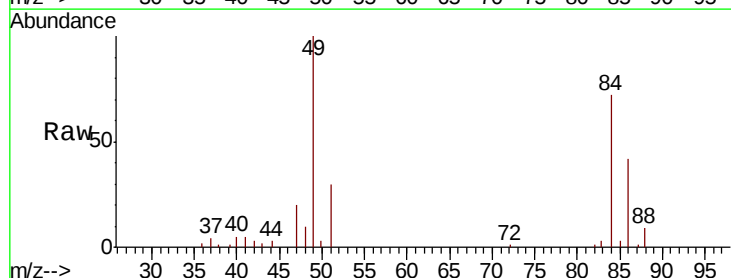
Ion Ratio Lower Upper

84 100

49 139.6 117.8 176.8

51 42.2 35.6 53.4

86 59.3 51.2 76.8

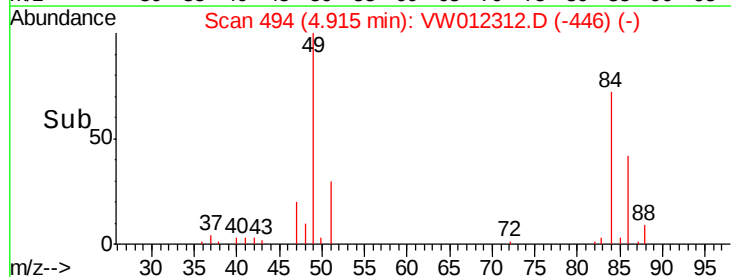
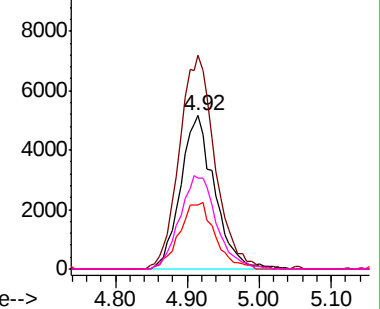


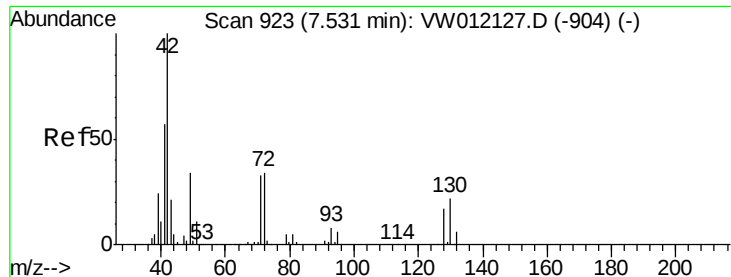
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

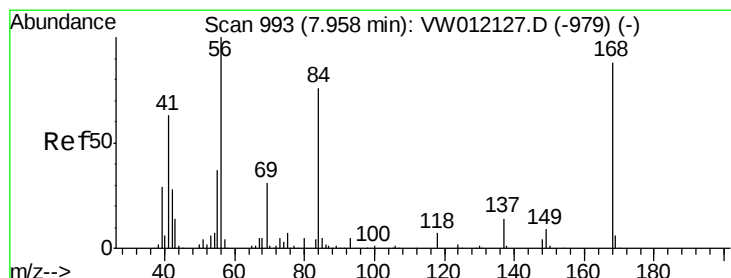
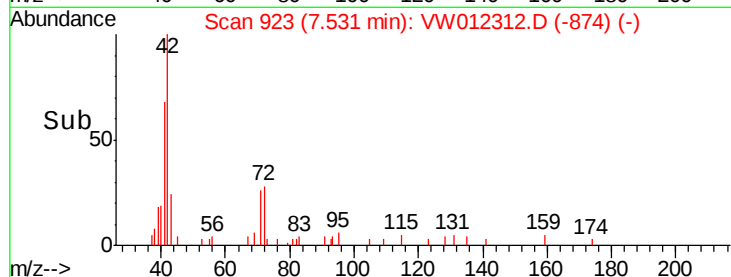
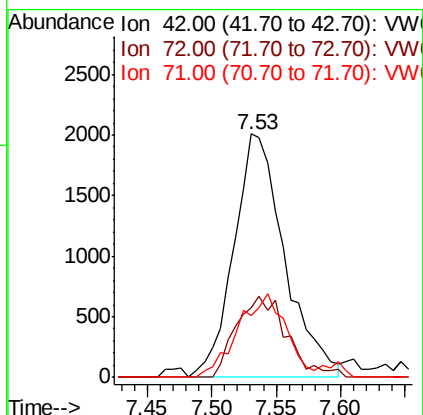
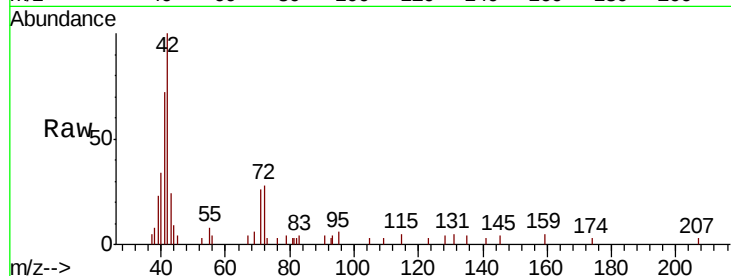




#29
Tetrahydrofuran
Concen: 9.879 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

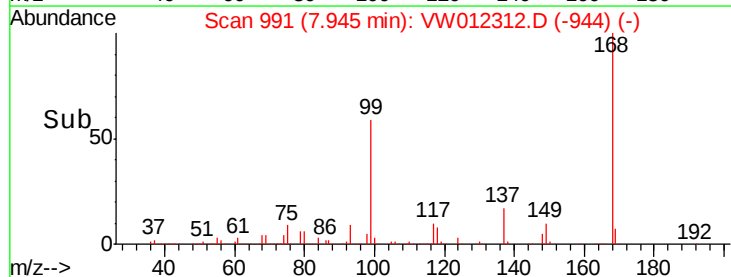
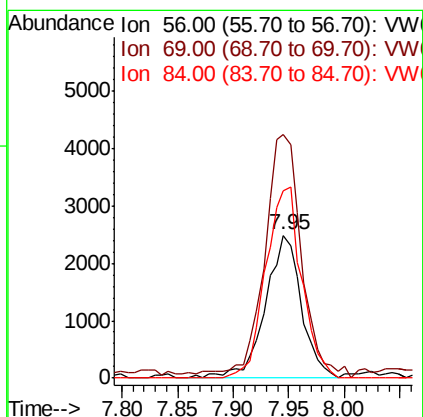
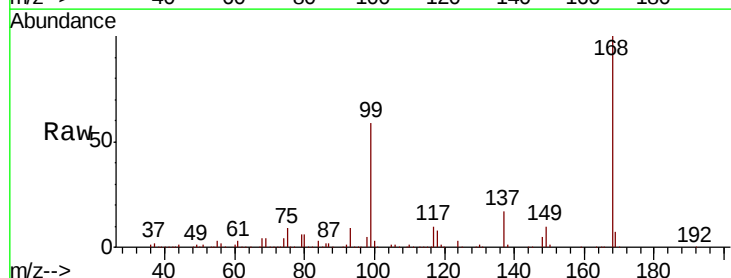
Instrument :
MSVOA_W
ClientSampled :
T2-S1-(2.5)

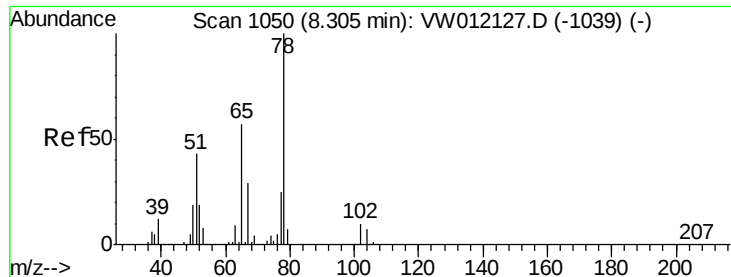
Tgt Ion: 42 Resp: 5487
Ion Ratio Lower Upper
42 100
72 33.4 27.3 40.9
71 32.7 25.5 38.3



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

Tgt Ion: 56 Resp: 5616
Ion Ratio Lower Upper
56 100
69 166.7 24.9 37.3#
84 131.5 60.6 90.8#

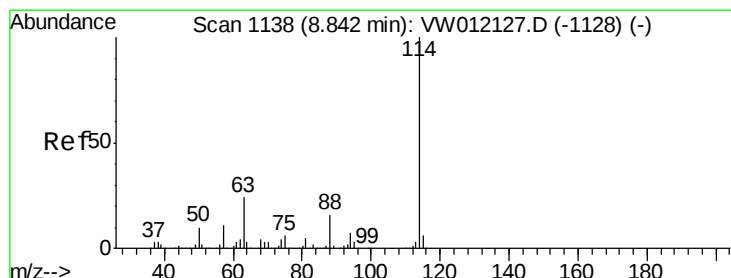
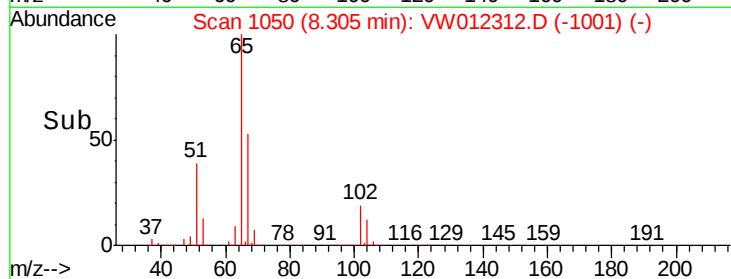
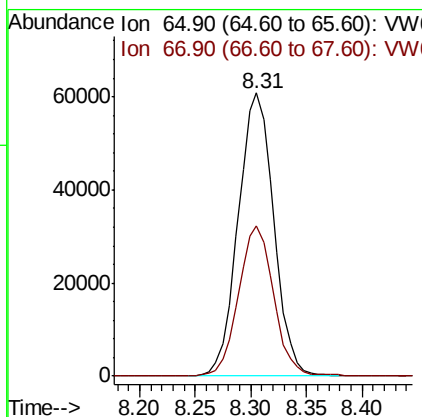
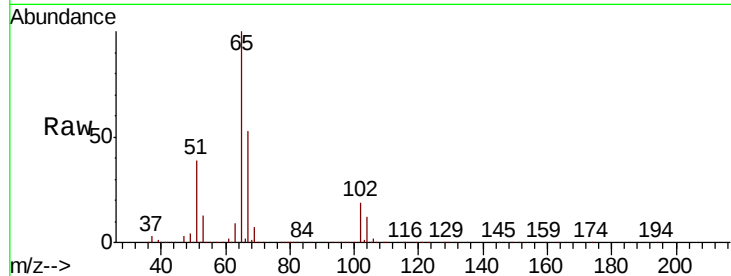




#33
 1,2-Dichloroethane-d4
 Concen: 50.460 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012312.D
 Acq: 29 Aug 2019 19:04

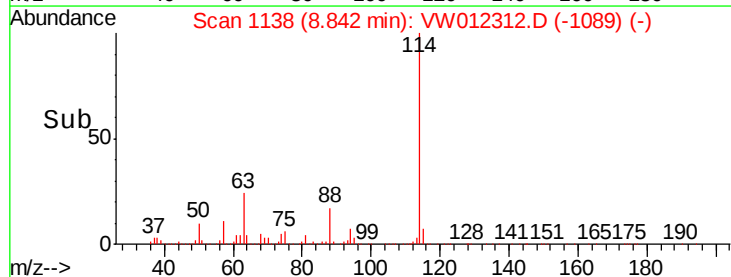
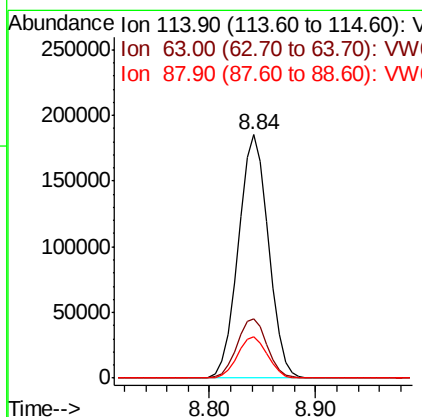
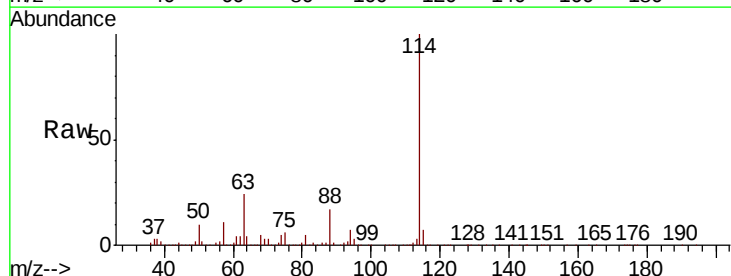
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1-(2.5)

Tgt Ion: 65 Resp: 134486
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012312.D
 Acq: 29 Aug 2019 19:04

Tgt Ion: 114 Resp: 367396
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.7 0.0 32.2

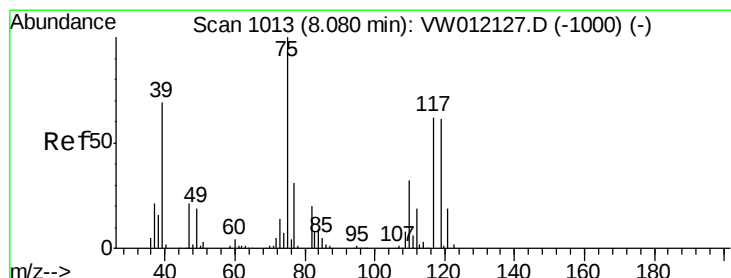
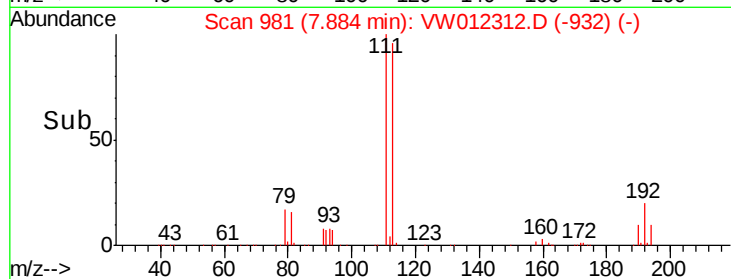
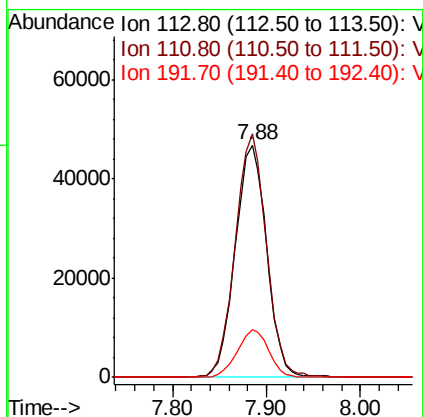
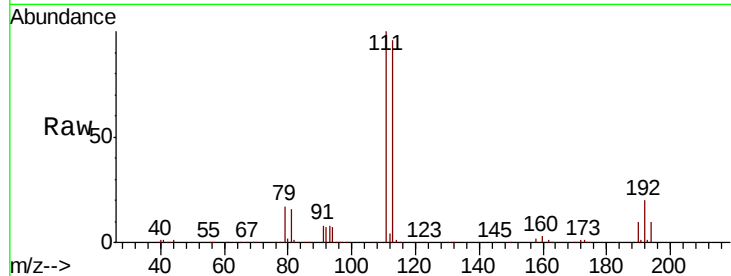




#35
 Dibromofluoromethane
 Concen: 49.853 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012312.D
 Acq: 29 Aug 2019 19:04

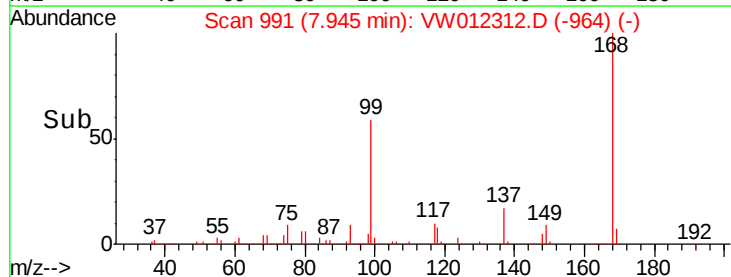
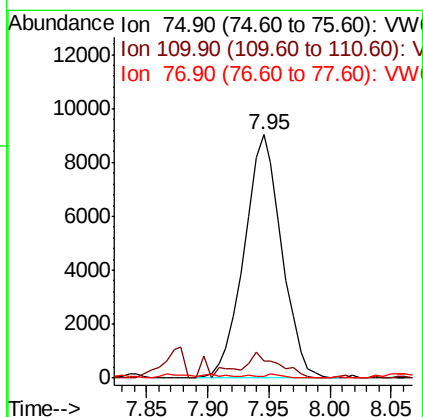
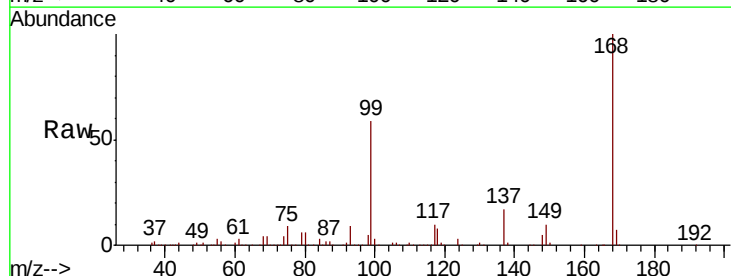
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1-(2.5)

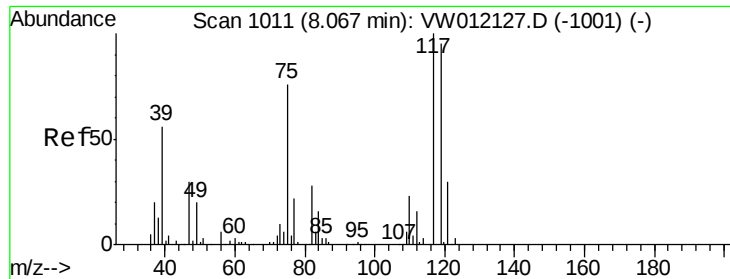
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.6	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012312.D
 Acq: 29 Aug 2019 19:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.6	46.8#
77	0.6	24.6	36.8#

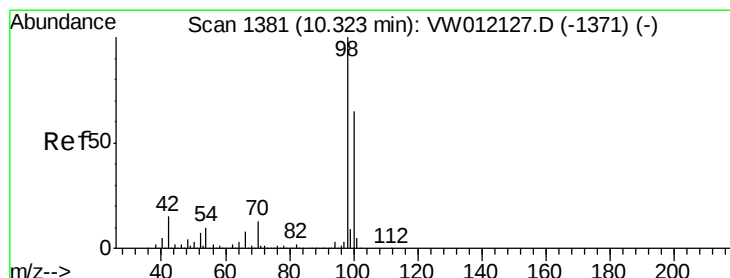
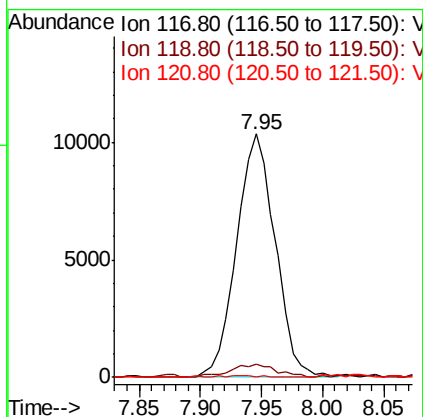
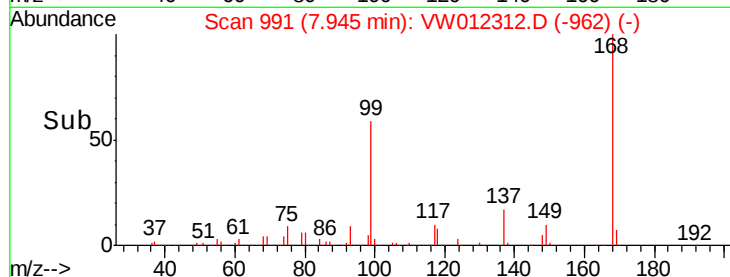
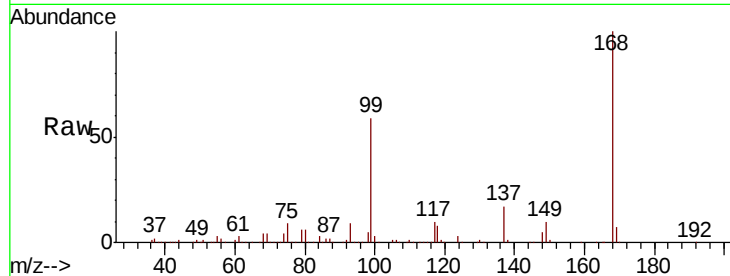




#38
Carbon Tetrachloride
Concen: 6.907 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

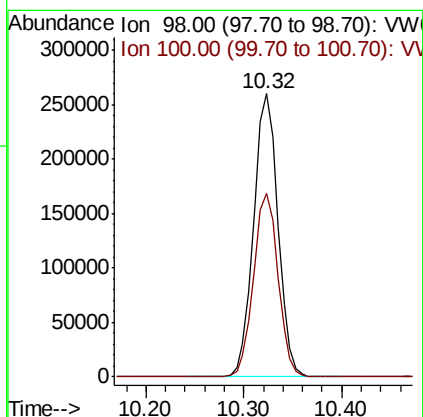
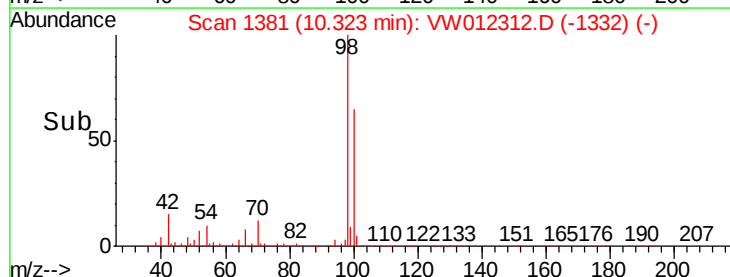
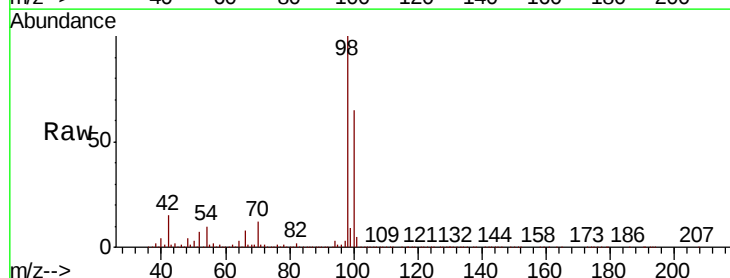
Instrument :
MSVOA_W
ClientSampled :
T2-S1-(2.5)

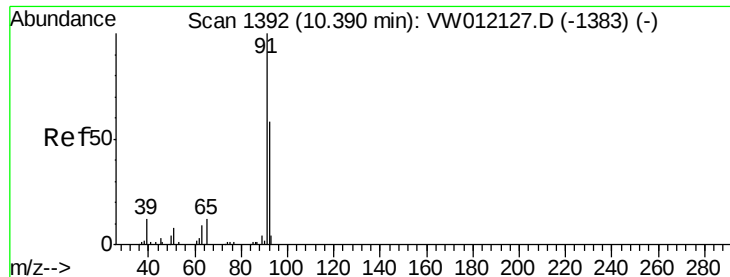
Tgt Ion:117 Resp: 22696
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 50.856 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

Tgt Ion: 98 Resp: 452212
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#52

Toluene

Concen: 1.195 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

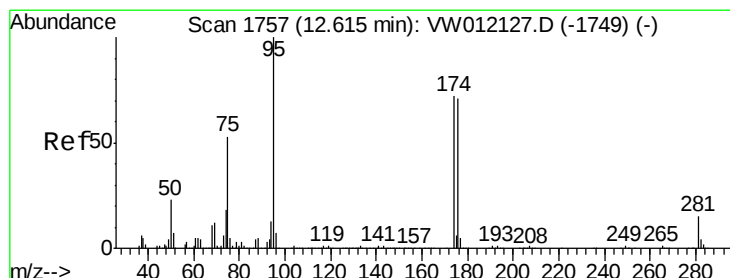
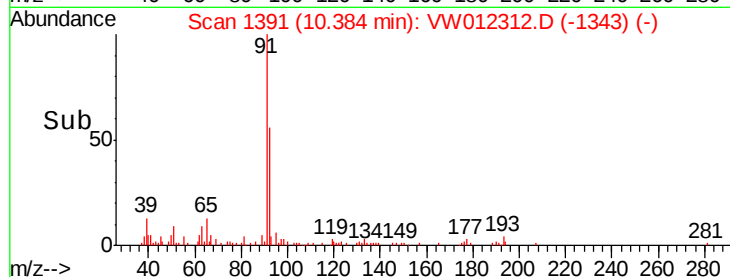
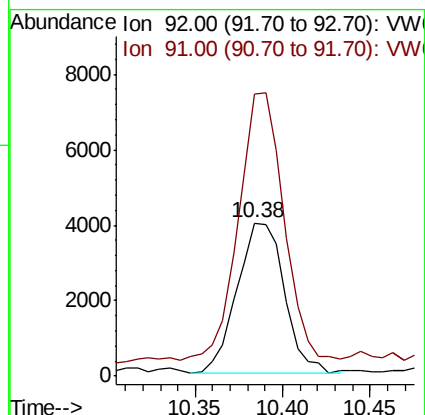
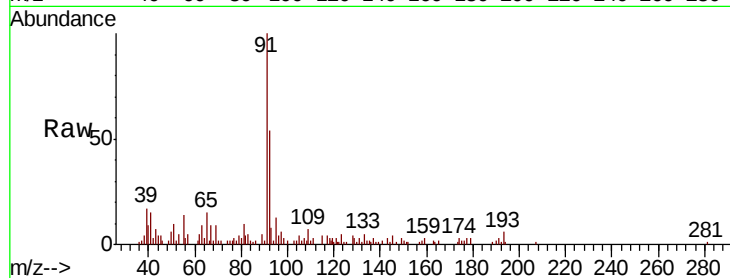
T2-S1-(2.5)

Tgt Ion: 92 Resp: 7441

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 45.776 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

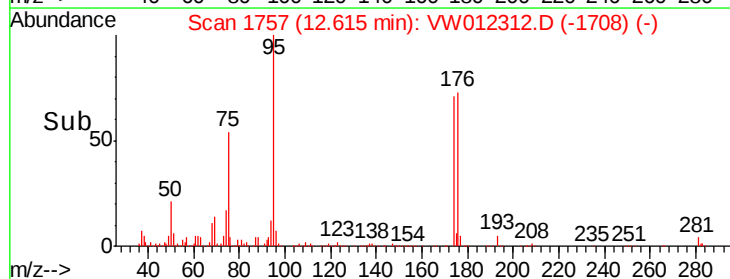
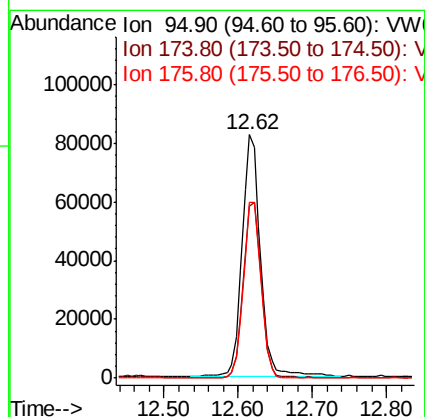
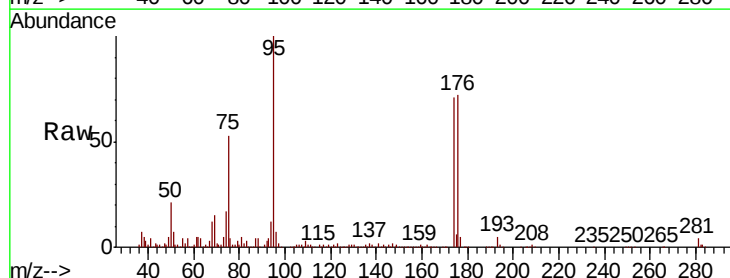
Tgt Ion: 95 Resp: 143482

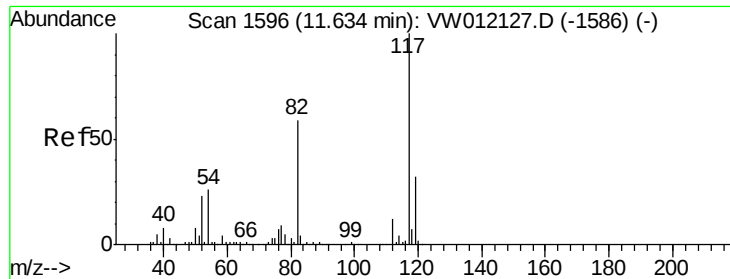
Ion Ratio Lower Upper

95 100

174 70.5 0.0 150.8

176 69.3 0.0 148.6

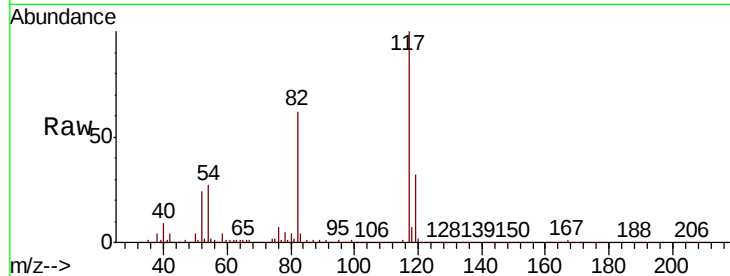




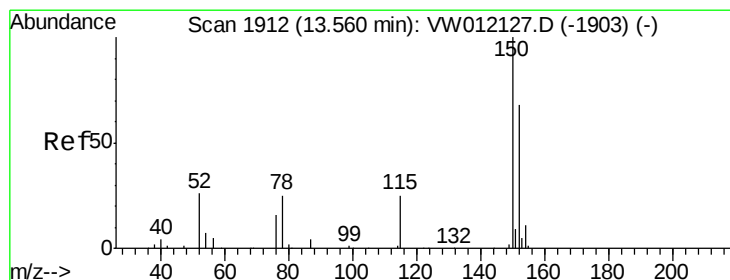
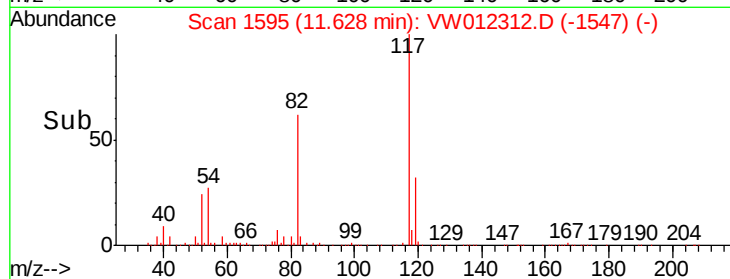
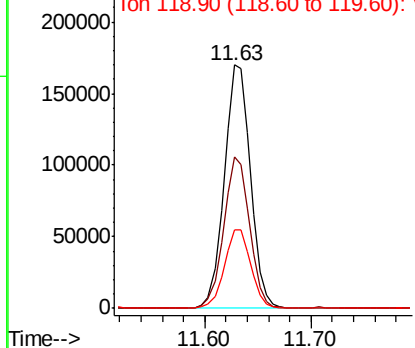
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

Instrument :
MSVOA_W
ClientSampleId :
T2-S1-(2.5)

Tgt Ion:117 Resp: 290477
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.1 25.4 38.2

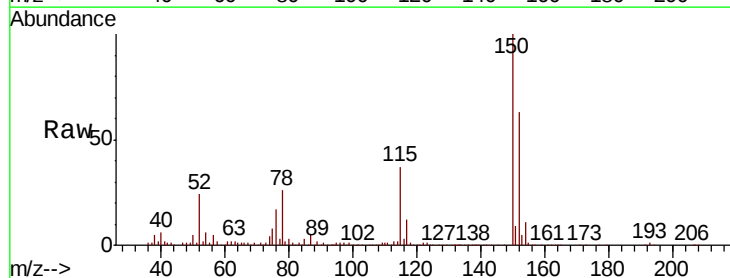


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

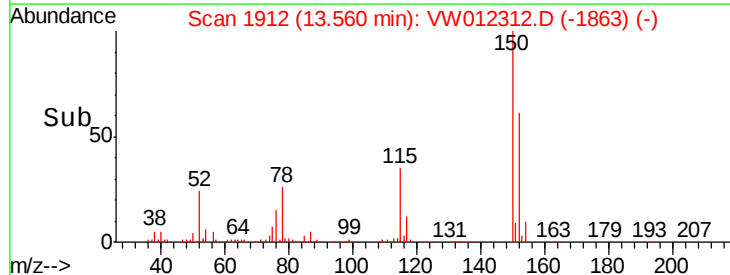
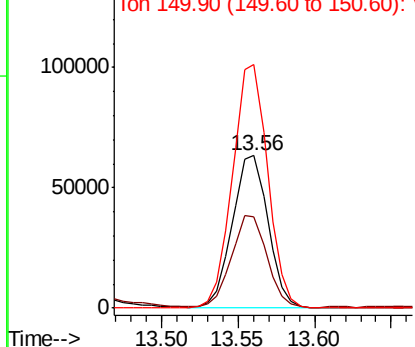


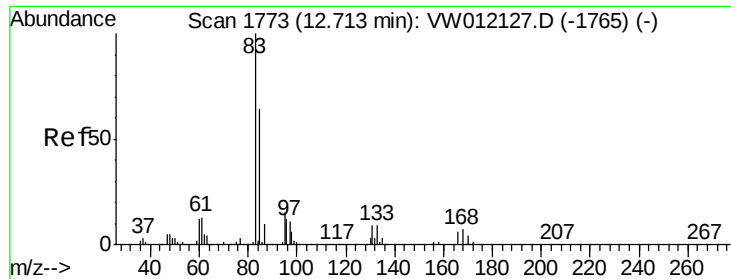
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012312.D
Acq: 29 Aug 2019 19:04

Tgt Ion:152 Resp: 102663
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 156.9 0.0 345.8



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





#75

1,1,2,2-Tetrachloroethane

Concen: 10.094 ug/l

RT: 12.65 min Scan# 1763

Delta R.T. -0.06 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

T2-S1-(2.5)

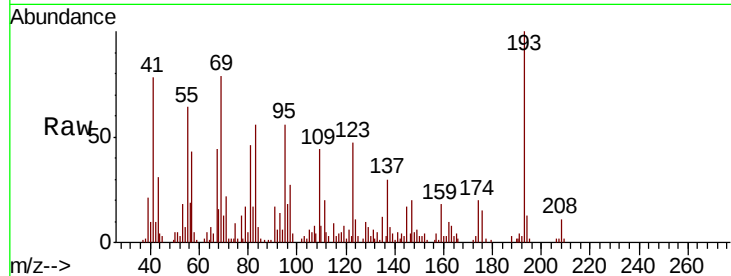
Tgt Ion: 83 Resp: 14236

Ion Ratio Lower Upper

83 100

131 3.4 4.9 14.7#

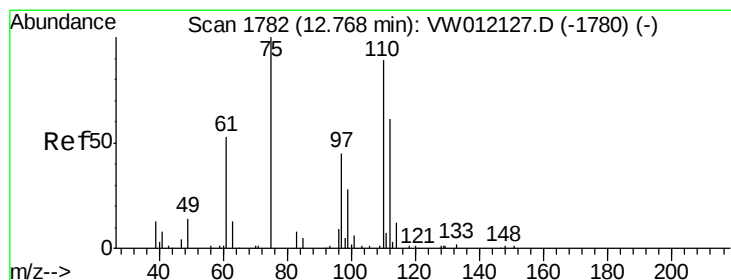
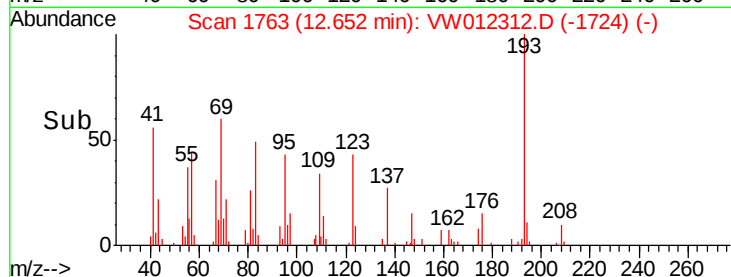
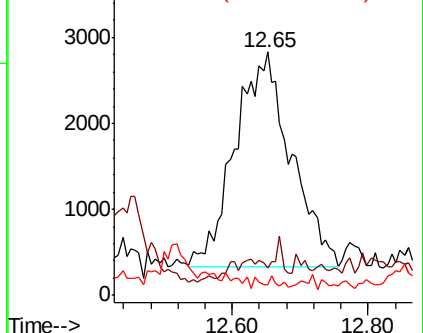
85 0.4 31.9 95.7#



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: 14.690 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.12 min

Lab File: VW012312.D

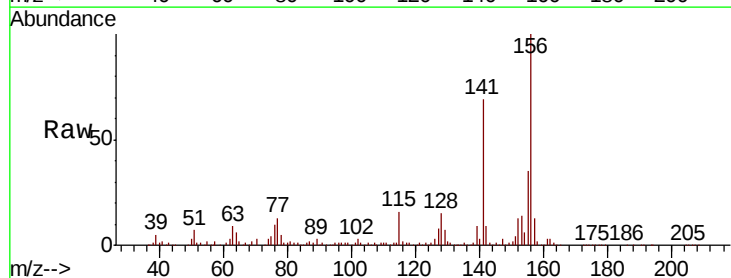
Acq: 29 Aug 2019 19:04

Tgt Ion: 75 Resp: 14688

Ion Ratio Lower Upper

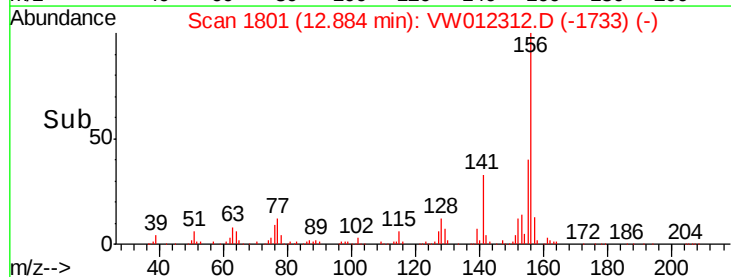
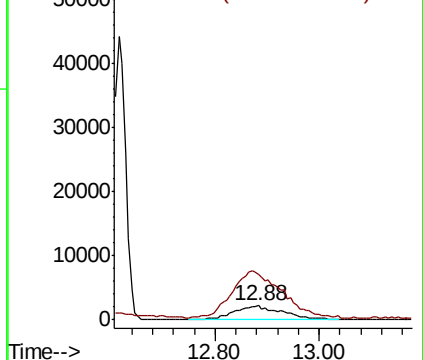
75 100

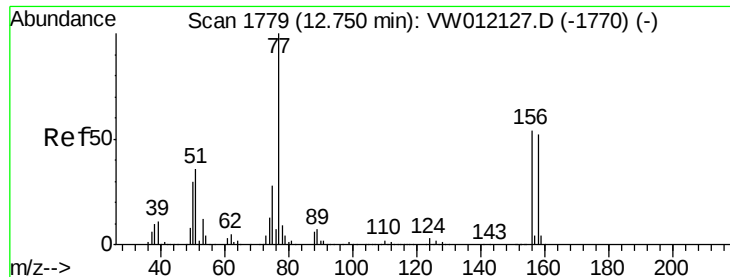
77 326.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 217.450 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

T2-S1-(2.5)

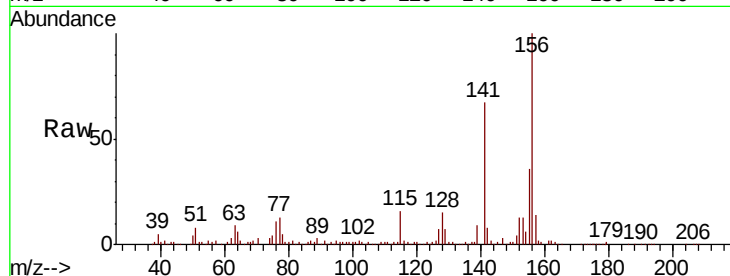
Tgt Ion:156 Resp: 361886

Ion Ratio Lower Upper

156 100

77 13.1 107.3 321.8#

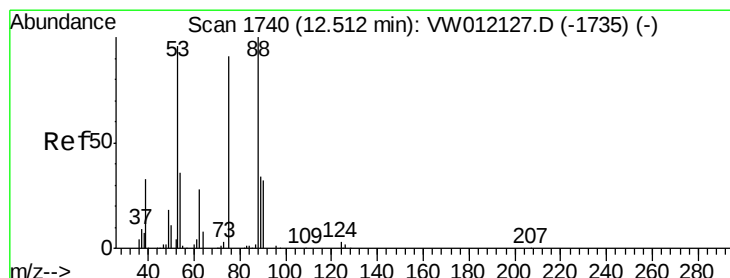
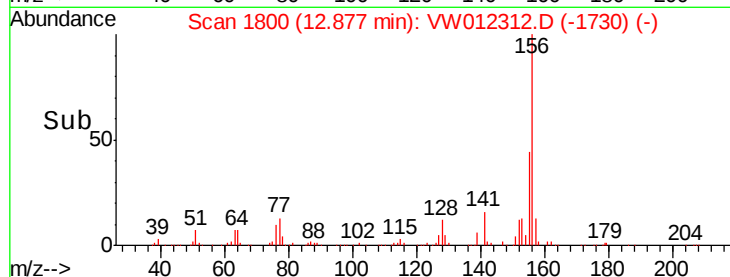
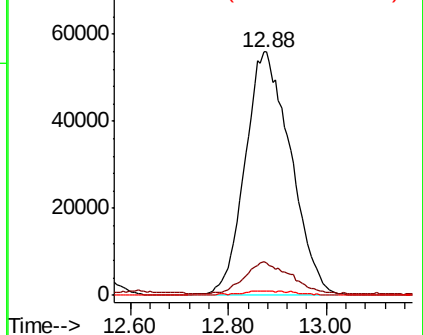
158 0.8 49.0 147.0#



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: 155.704 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

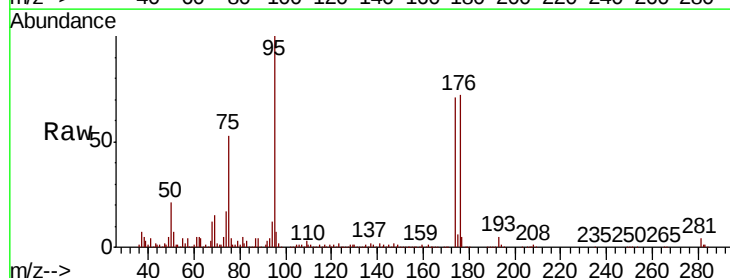
Tgt Ion: 75 Resp: 71006

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

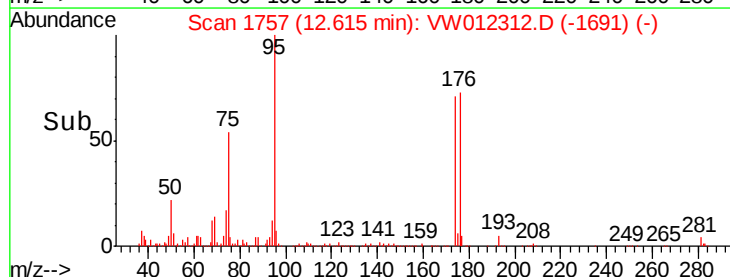
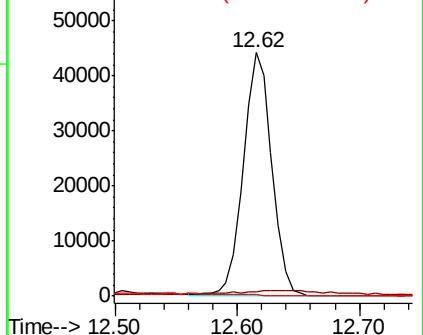
89 0.7 34.5 51.7#

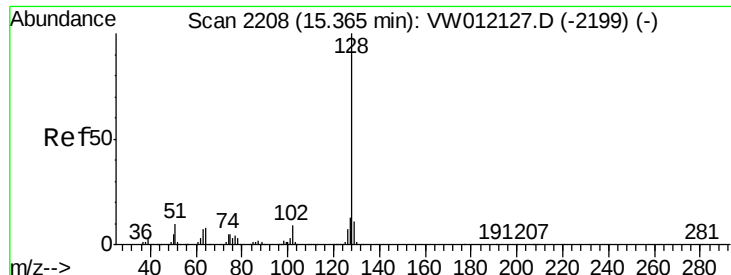


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 11.033 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012312.D

Acq: 29 Aug 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

T2-S1-(2.5)

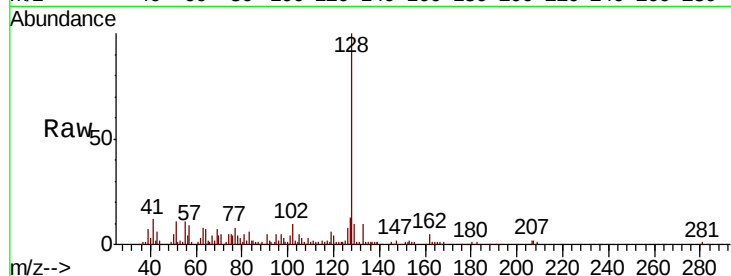
Tgt Ion:128 Resp: 28452

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 10.3 8.7 13.1



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

