

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012139.D
 Acq On : 23 Aug 2019 18:07
 Operator : SY/VA
 Sample : K4474-01
 Misc : 3.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F1-(0)

Quant Time: Aug 26 07:29:26 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	220646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107688	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	144819	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	7.88	113	115203	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.32	98	450644	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	134574	42.47	ug/l	0.00
Spiked Amount			Recovery	=	84.94%	

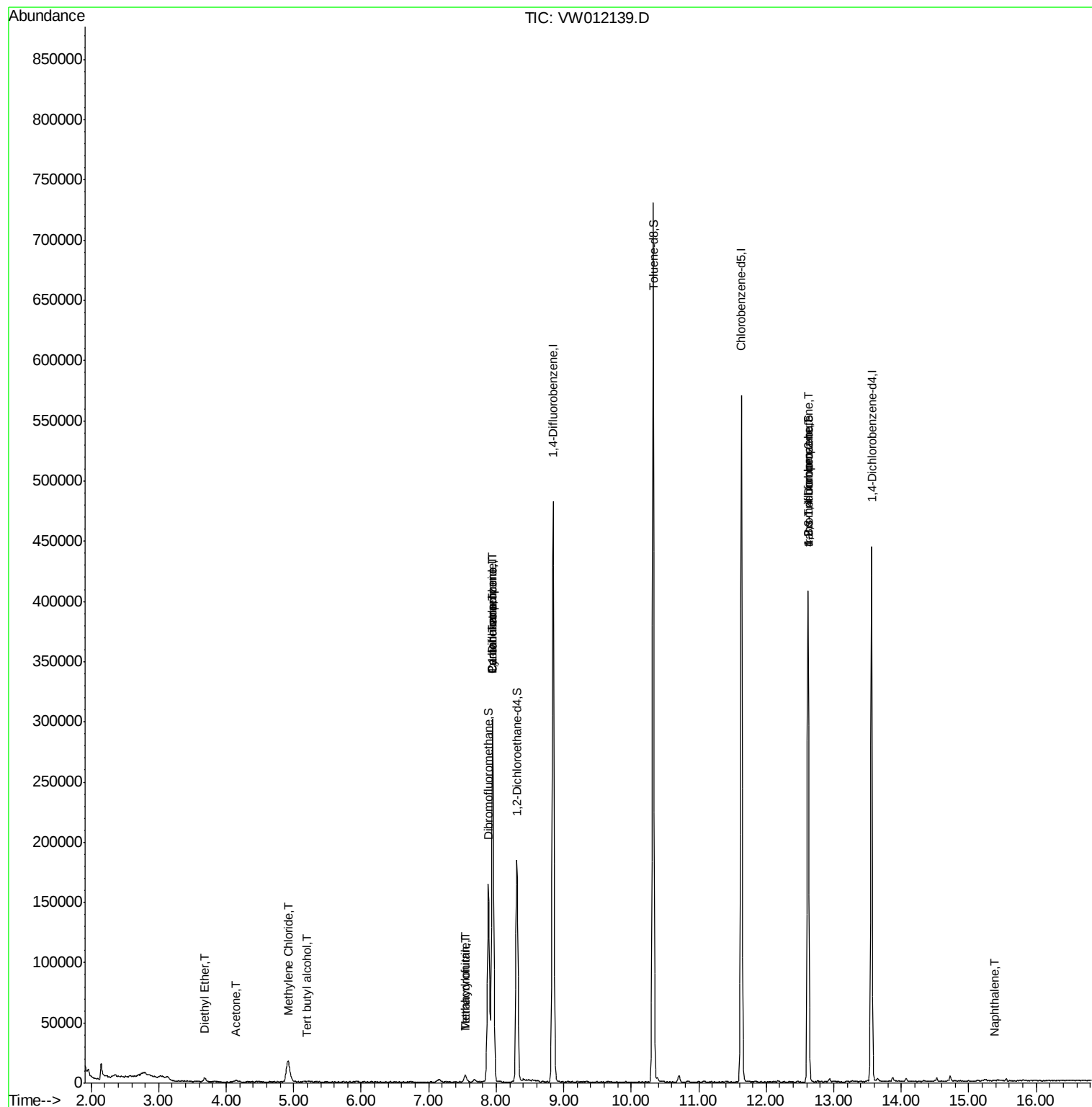
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1622	1.321	ug/l	61
11) Tert butyl alcohol	5.19	59	293	1.856	ug/l #	71
16) Acetone	4.15	43	3039	4.533	ug/l	91
20) Methylene Chloride	4.92	84	14225	5.612	ug/l	93
29) Tetrahydrofuran	7.54	42	5442	9.956	ug/l	98
31) Cyclohexane	7.95	56	5670	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18435	4.803	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22444	6.756	ug/l #	17
41) Methacrylonitrile	7.54	41	3153	2.551	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	71268	67.952	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71268	148.987	ug/l #	6
95) Naphthalene	15.37	128	489	4.431	ug/l #	69

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

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Quant Title : SW846 8260
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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: VW012139.D

Acq: 23 Aug 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

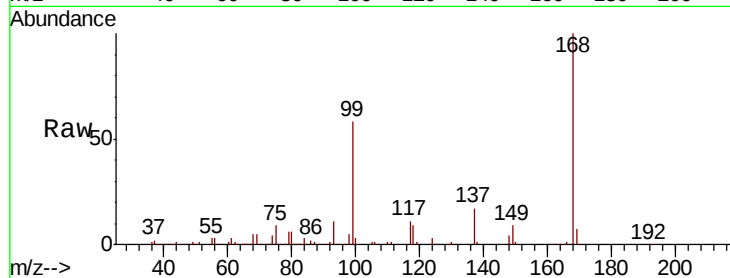
T1-2-F1-(0)

Tgt Ion:168 Resp: 220646

Ion Ratio Lower Upper

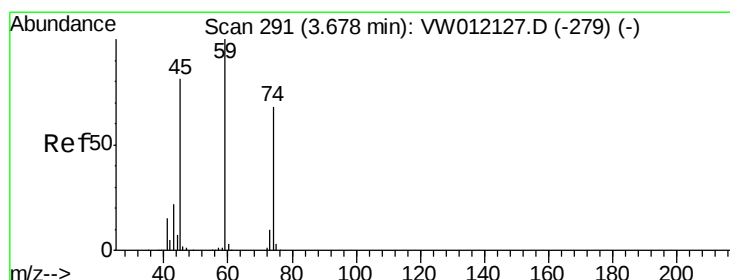
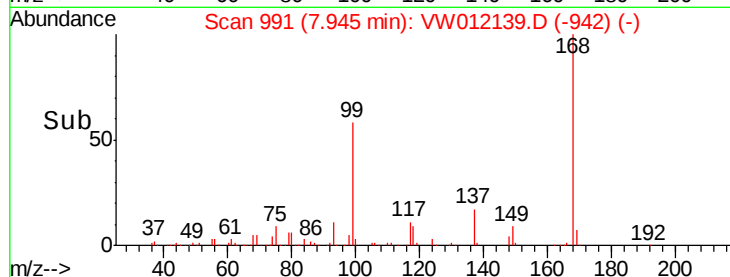
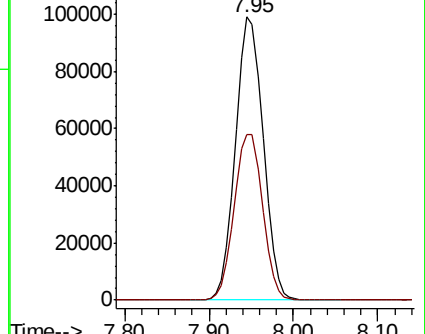
168 100

99 58.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.321 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012139.D

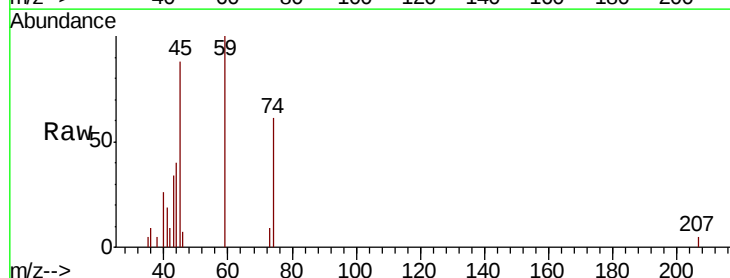
Acq: 23 Aug 2019 18:07

Tgt Ion: 74 Resp: 1622

Ion Ratio Lower Upper

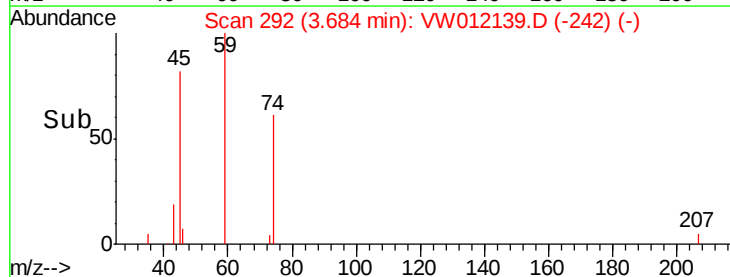
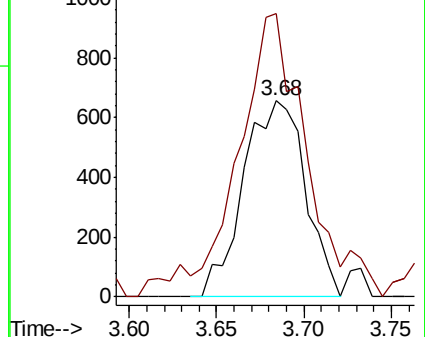
74 100

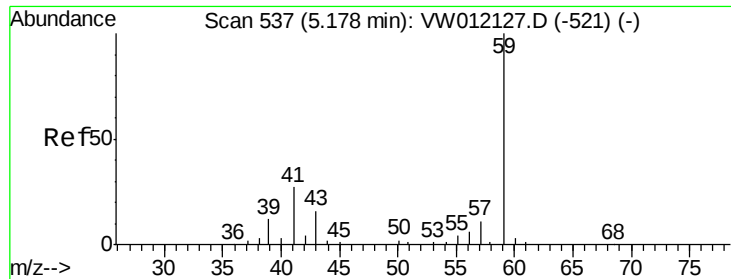
45 161.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

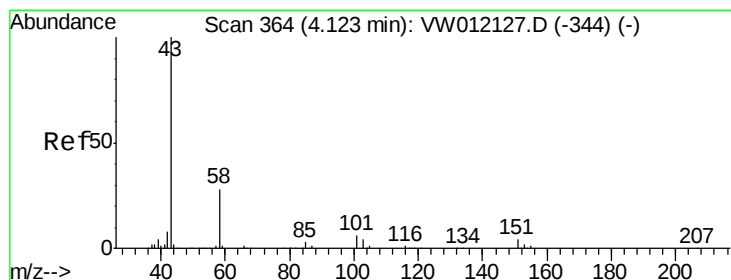
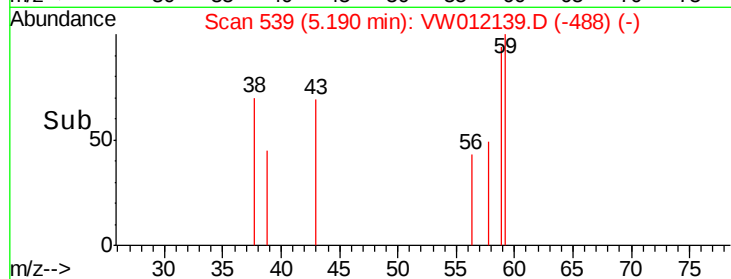
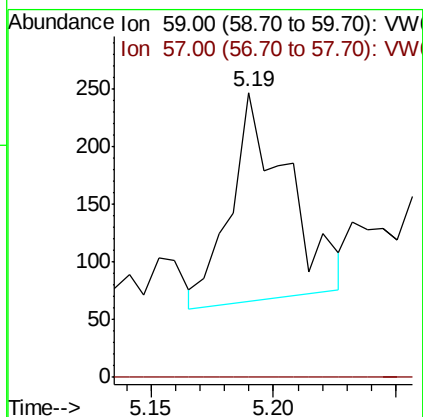
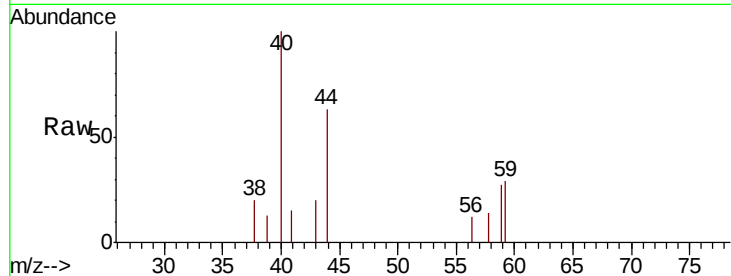




#11
Tert butyl alcohol
Concen: 1.856 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

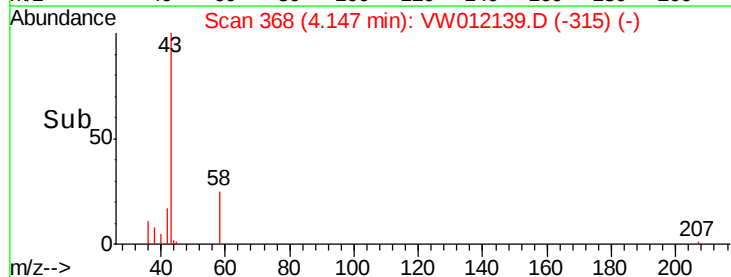
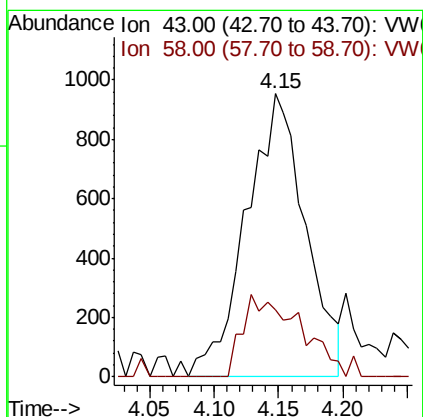
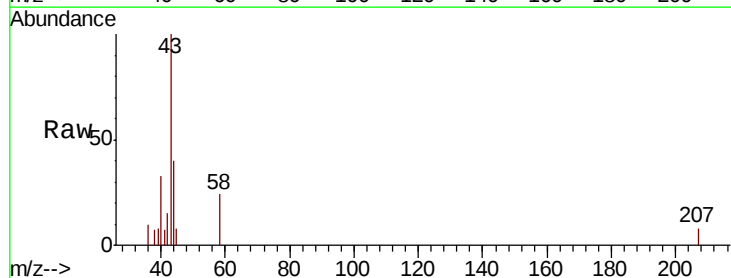
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(0)

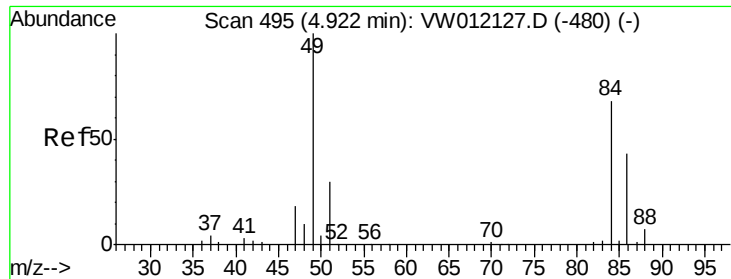
Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 4.533 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 23.5 22.4 33.6

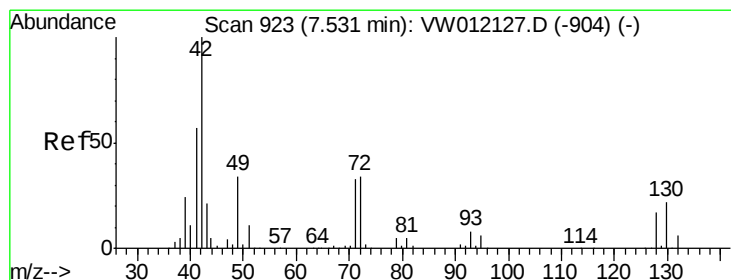
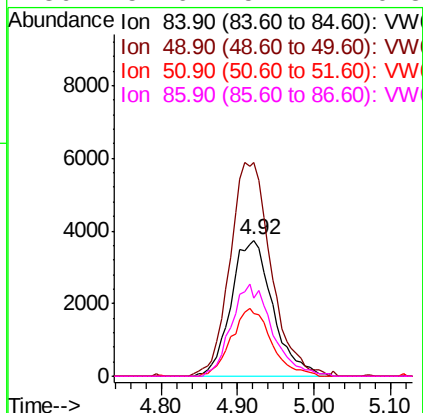
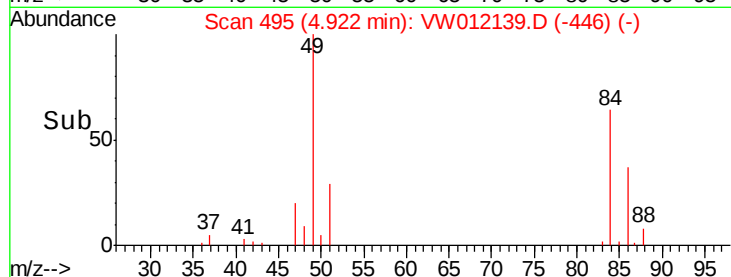
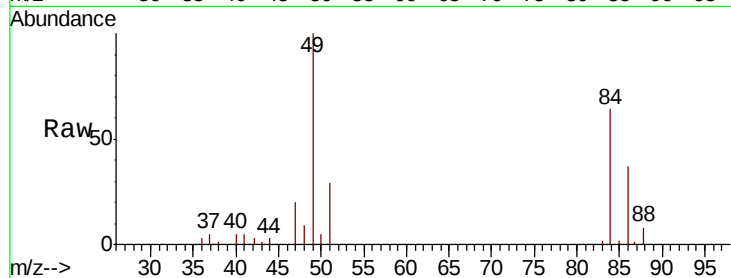




#20
Methylene Chloride
Concen: 5.612 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

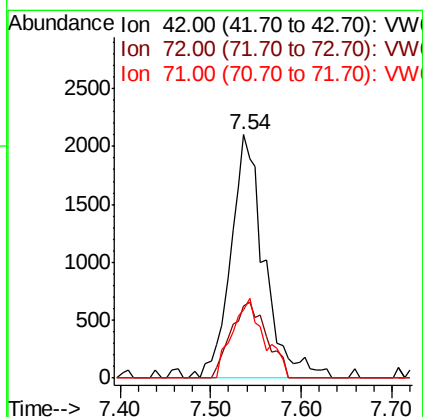
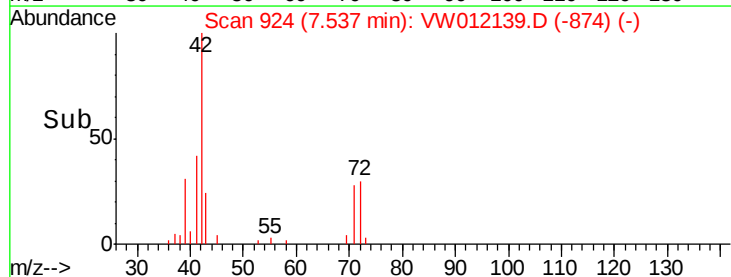
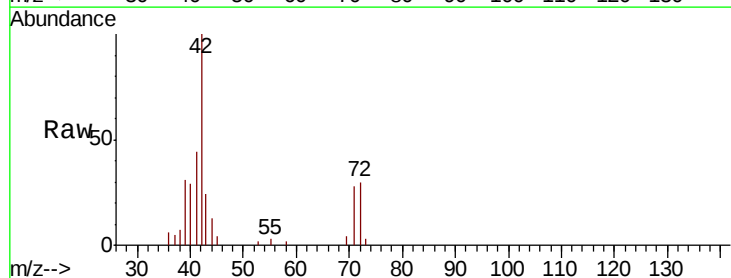
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(0)

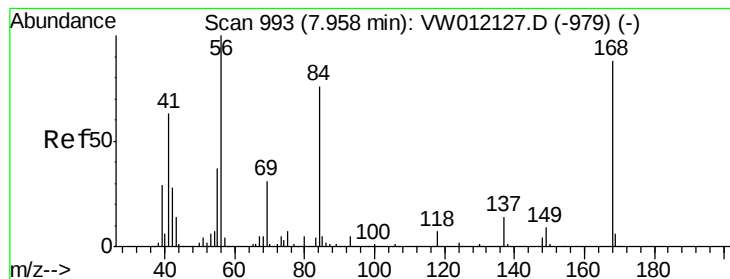
Tgt Ion: 84 Resp: 14225
Ion Ratio Lower Upper
84 100
49 156.8 117.8 176.8
51 46.0 35.6 53.4
86 57.6 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.956 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

Tgt Ion: 42 Resp: 5442
Ion Ratio Lower Upper
42 100
72 33.1 27.3 40.9
71 31.1 25.5 38.3





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012139.D

Acq: 23 Aug 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F1-(0)

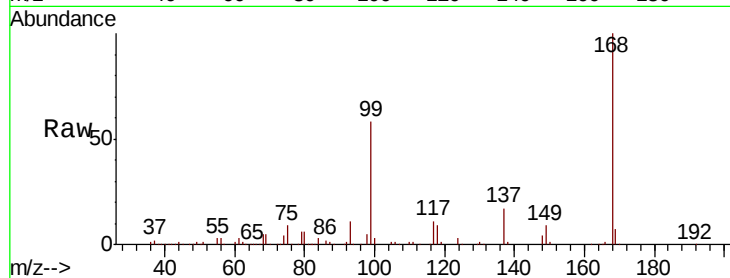
Tgt Ion: 56 Resp: 5670

Ion Ratio Lower Upper

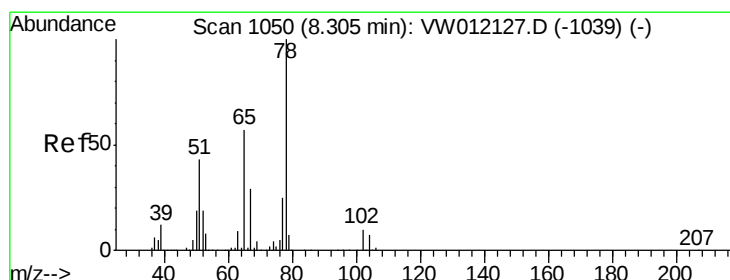
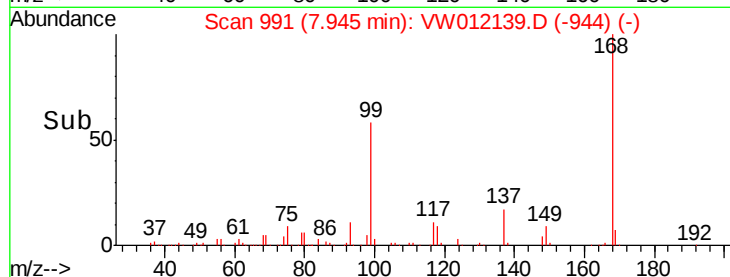
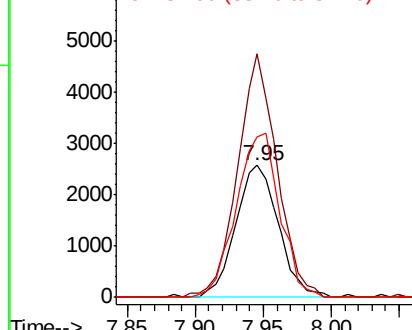
56 100

69 184.2 24.9 37.3#

84 121.4 60.6 90.8#



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: 55.212 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012139.D

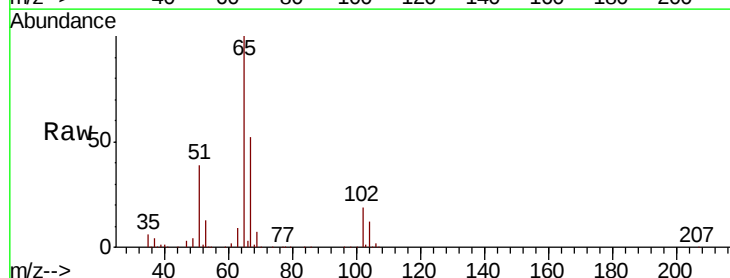
Acq: 23 Aug 2019 18:07

Tgt Ion: 65 Resp: 144819

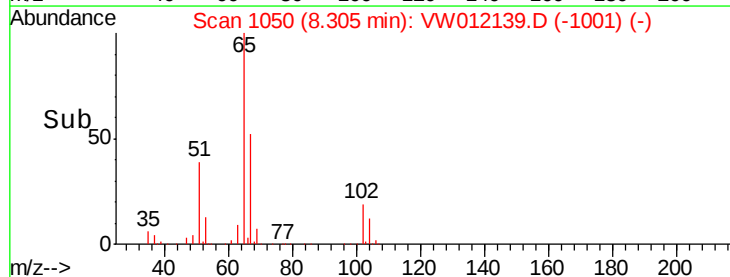
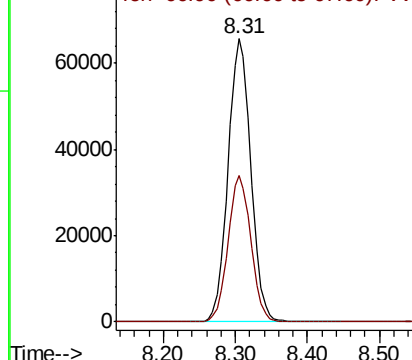
Ion Ratio Lower Upper

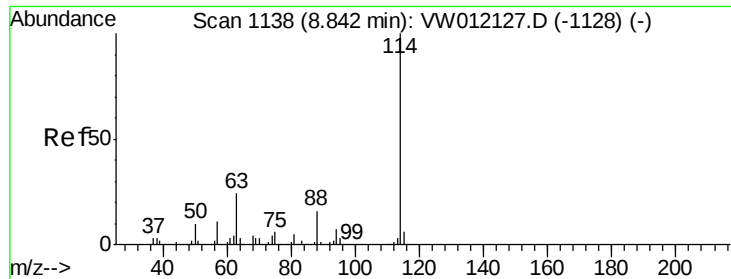
65 100

67 51.6 0.0 102.6



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

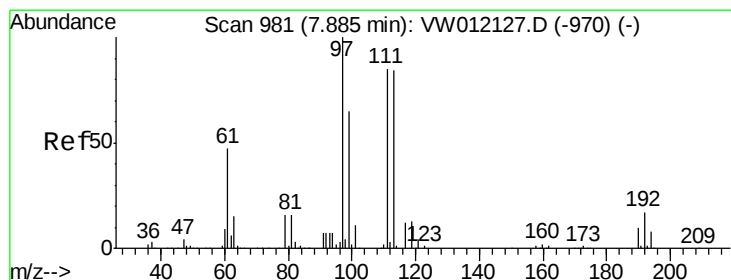
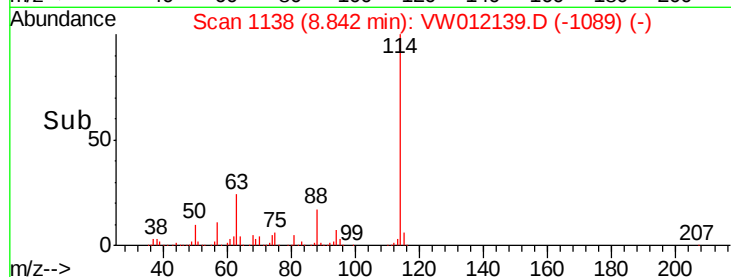
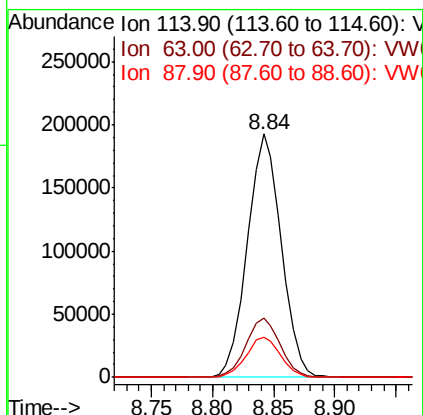
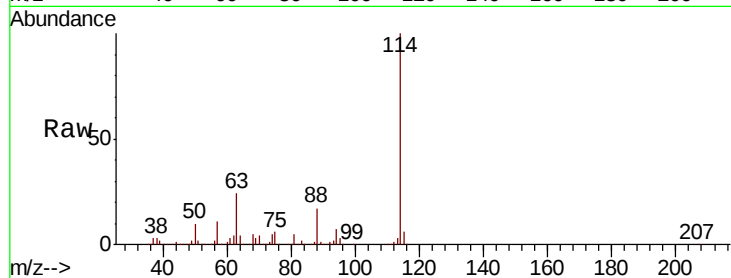




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012139.D
 Acq: 23 Aug 2019 18:07

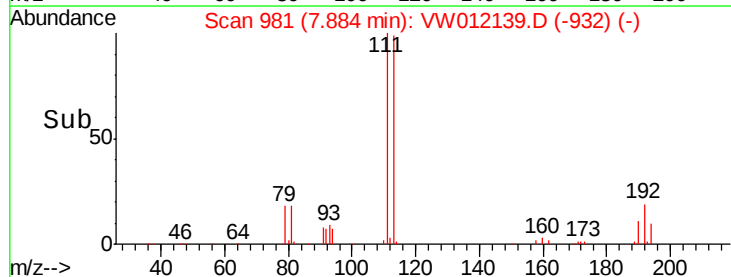
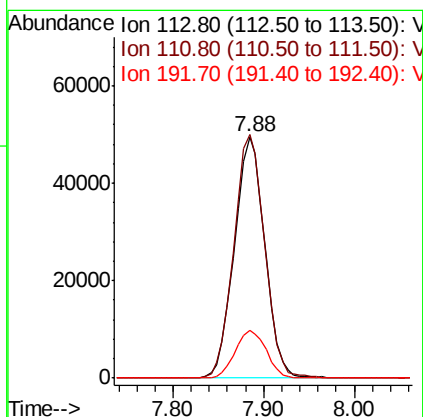
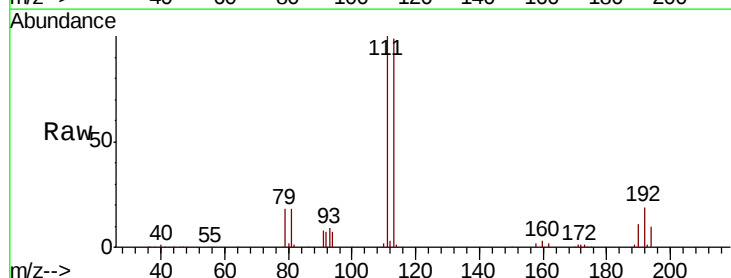
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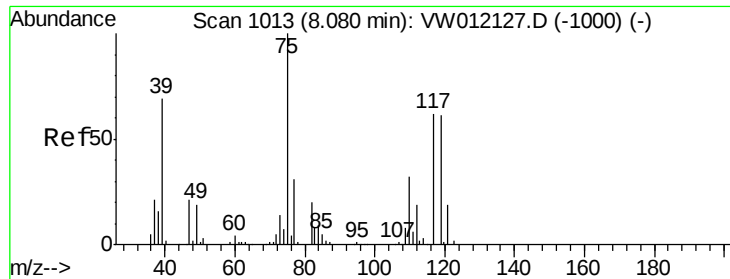
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	48.6
88	16.5	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.965 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012139.D
 Acq: 23 Aug 2019 18:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.1	16.2	24.2

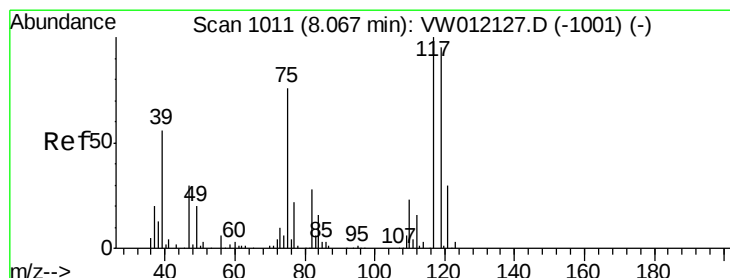
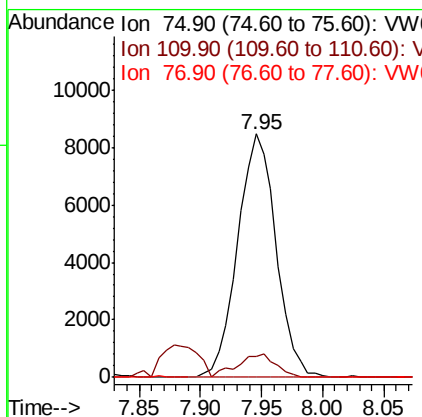
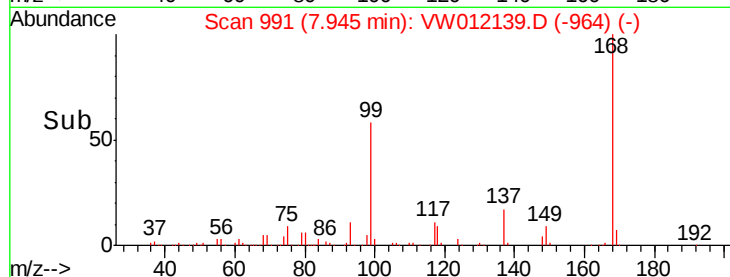
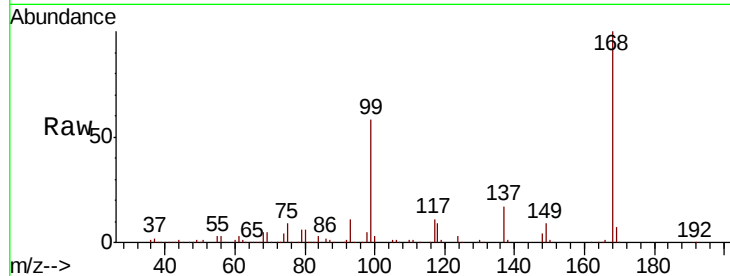




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012139.D
 Acq: 23 Aug 2019 18:07

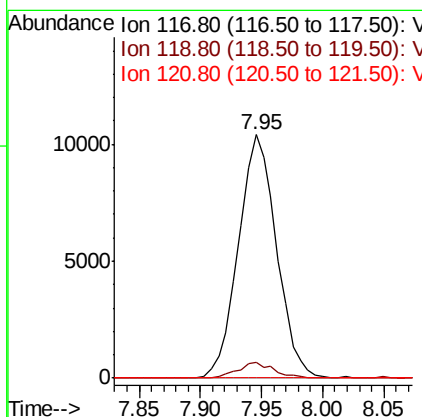
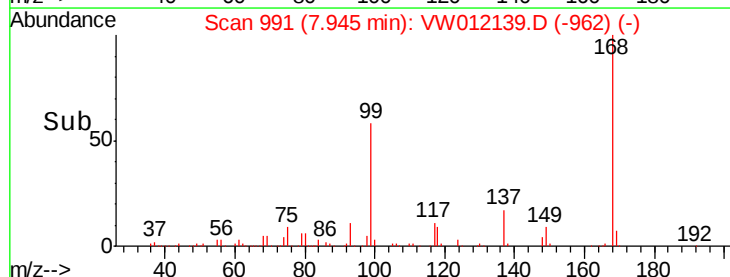
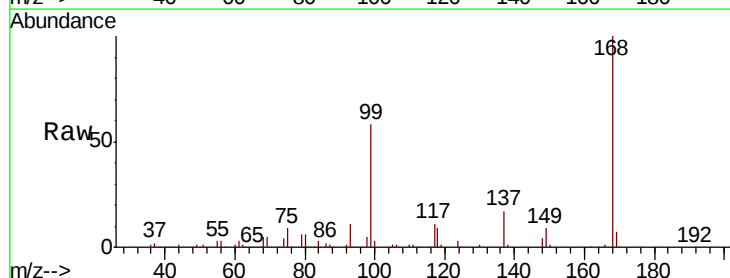
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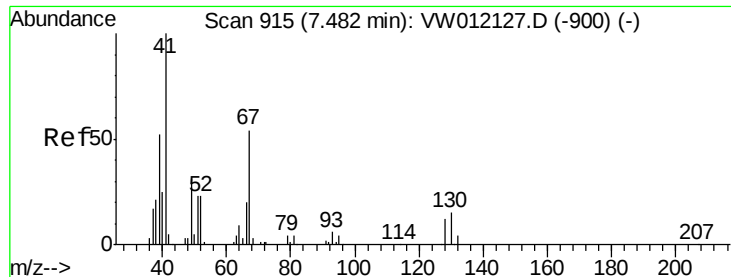
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.756 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012139.D
 Acq: 23 Aug 2019 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.2	114.2#
121	0.0	23.8	35.8#

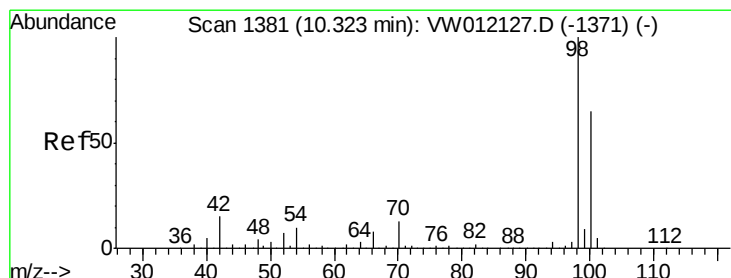
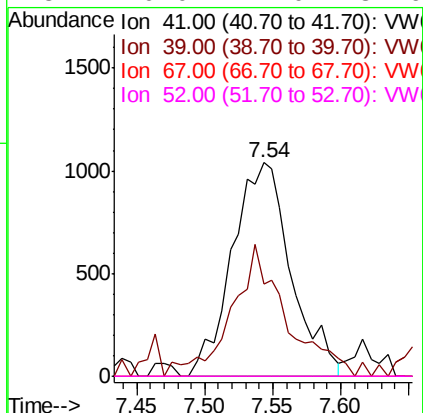
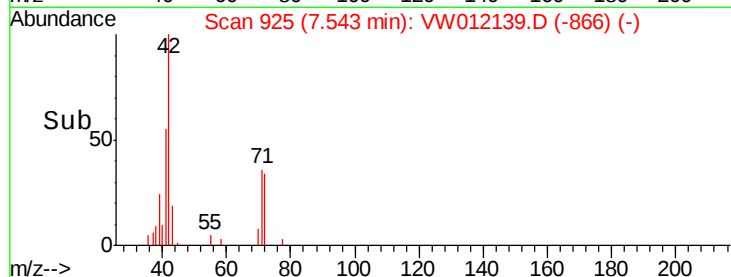
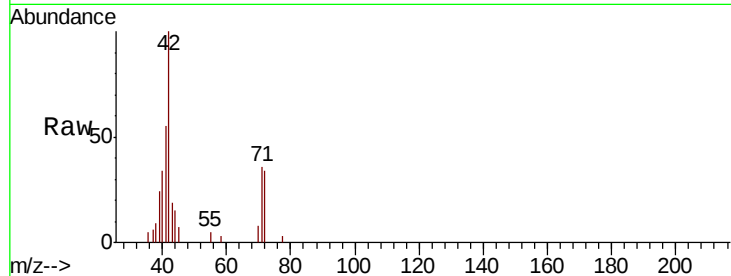




#41
Methacrylonitrile
Concen: 2.551 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

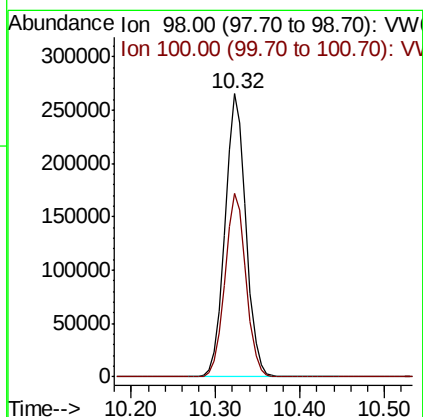
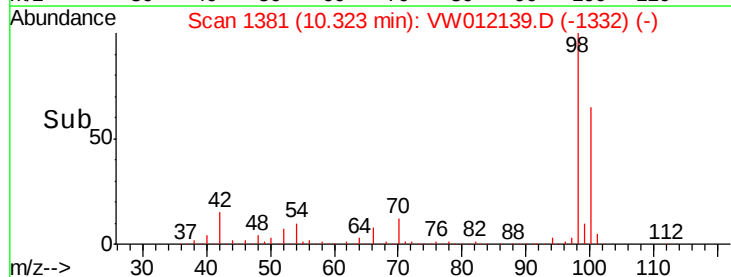
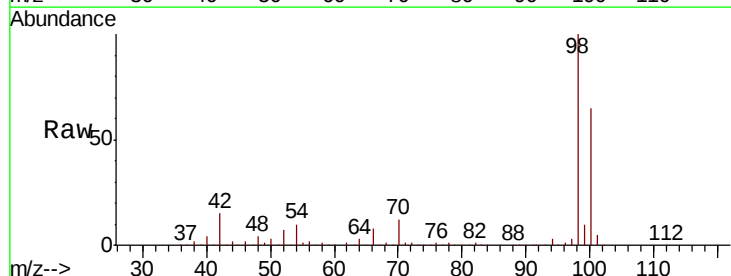
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(0)

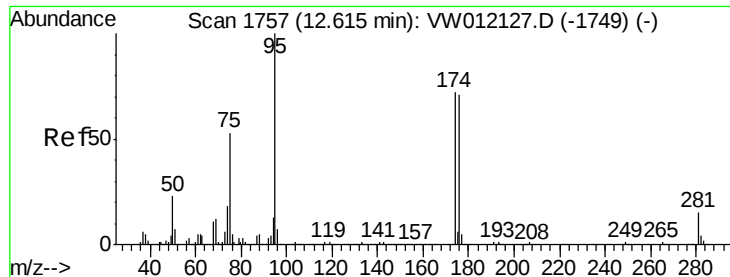
Tgt Ion: 41 Resp: 3153
Ion Ratio Lower Upper
41 100
39 55.5 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 50.133 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

Tgt Ion: 98 Resp: 450644
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 42.471 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012139.D

Acq: 23 Aug 2019 18:07

Instrument :

MSVOA_W

ClientSampled :

T1-2-F1-(0)

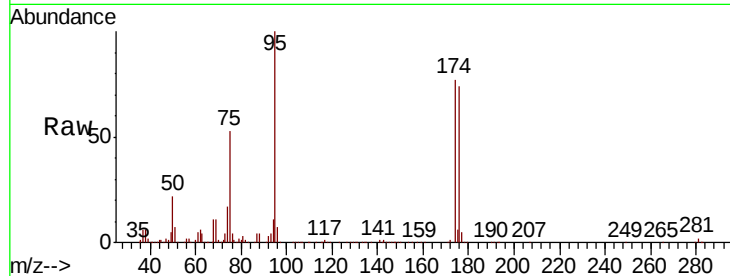
Tgt Ion: 95 Resp: 134574

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.8

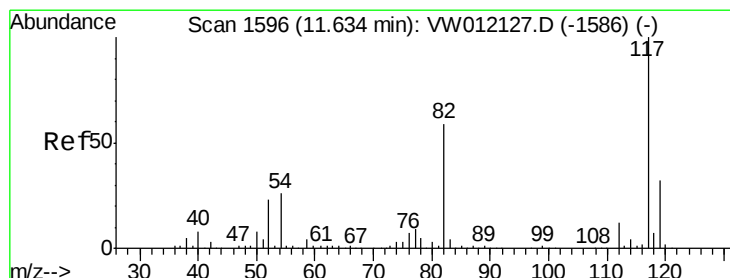
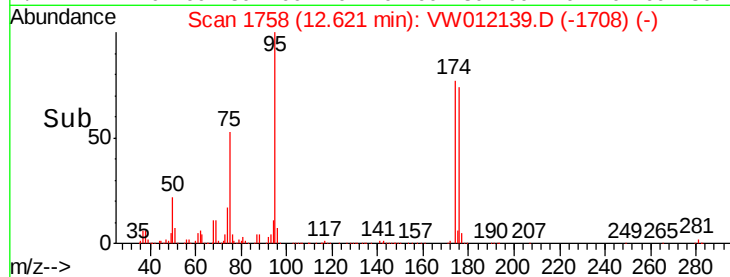
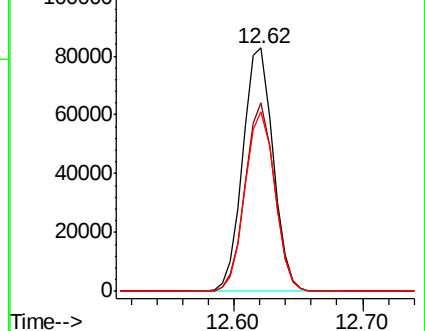
176 72.9 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012139.D

Acq: 23 Aug 2019 18:07

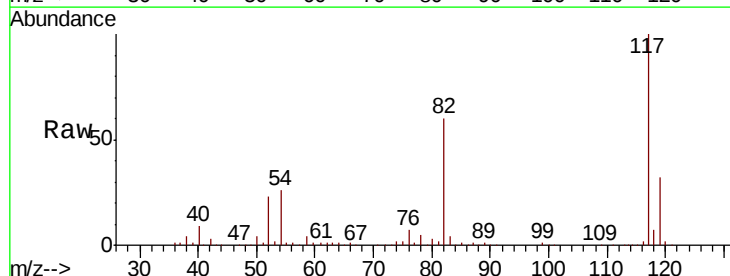
Tgt Ion: 117 Resp: 296735

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

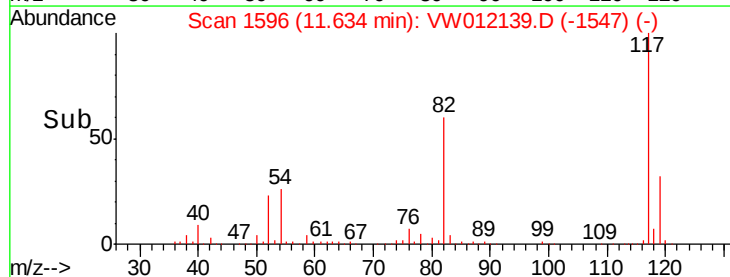
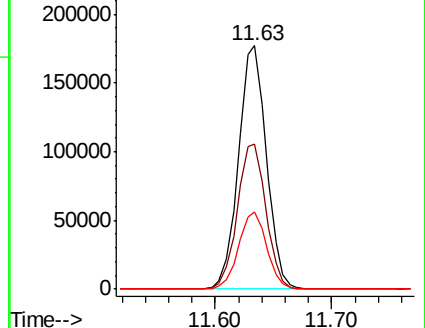
119 31.9 25.4 38.2

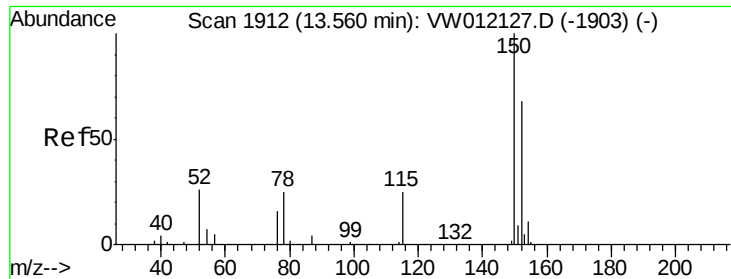


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012139.D

Acq: 23 Aug 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F1-(0)

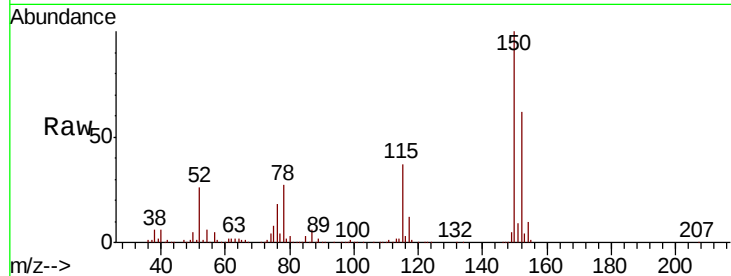
Tgt Ion:152 Resp: 107688

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

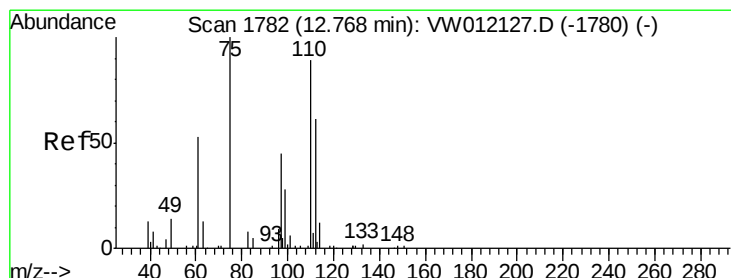
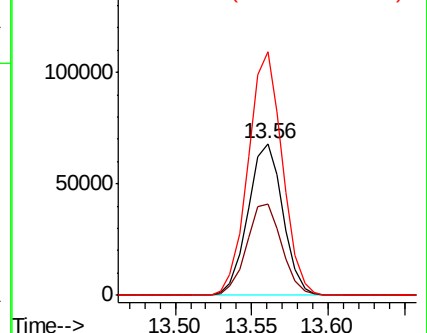
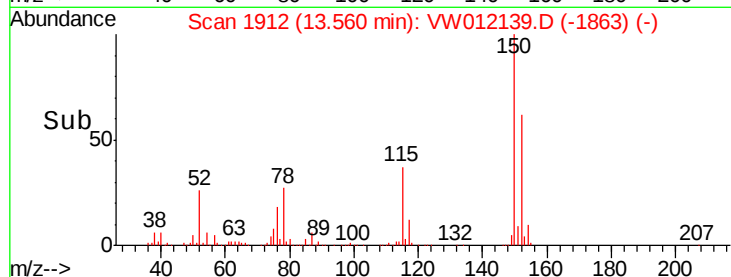
150 157.6 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 67.952 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012139.D

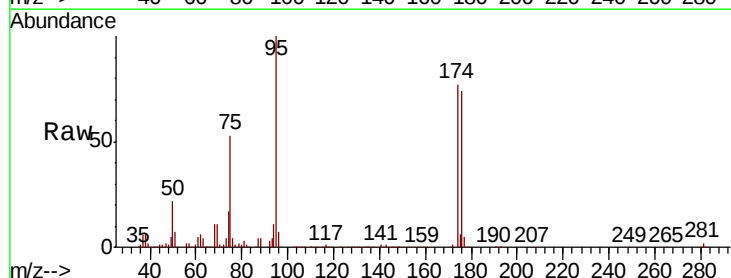
Acq: 23 Aug 2019 18:07

Tgt Ion: 75 Resp: 71268

Ion Ratio Lower Upper

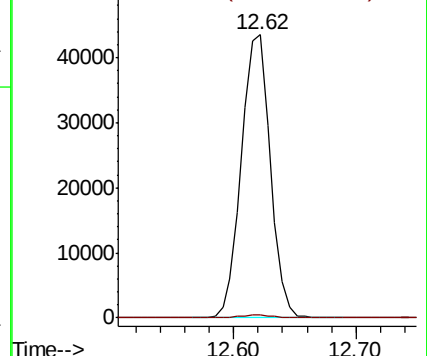
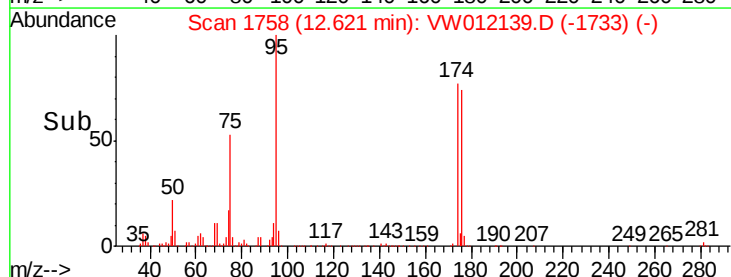
75 100

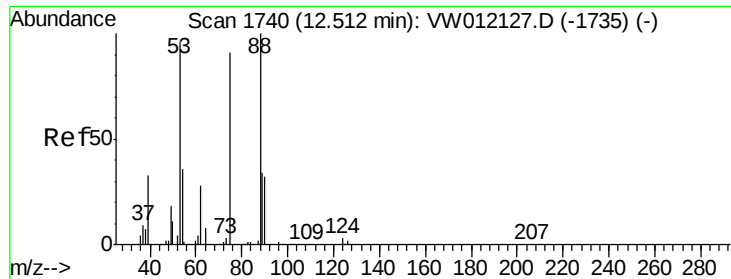
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

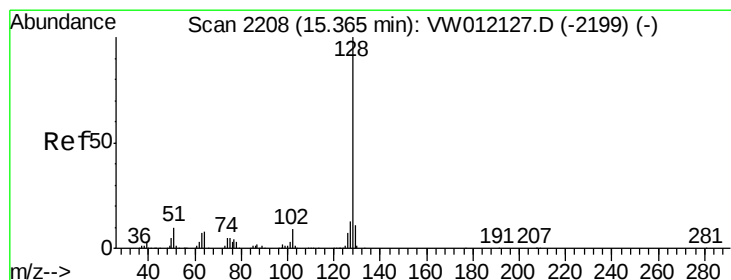
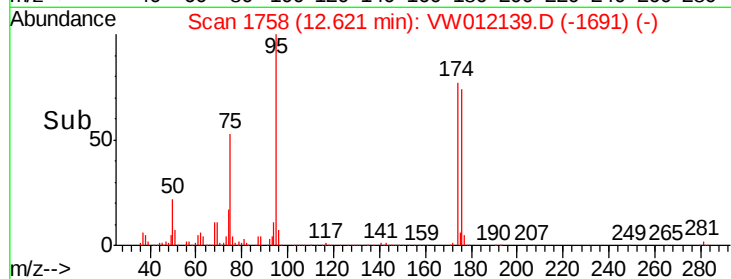
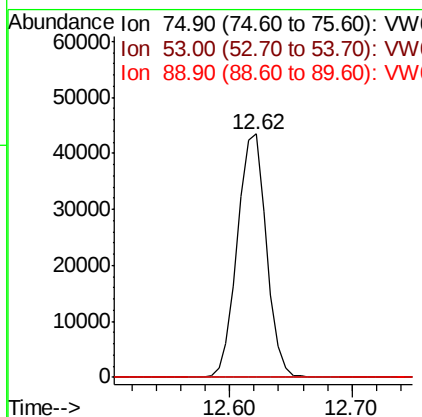
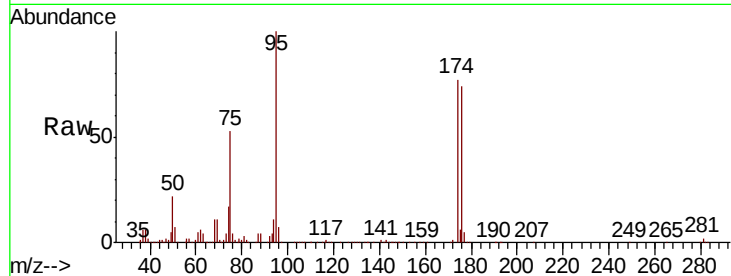




#81
trans-1,4-Dichloro-2-butene
Concen: 148.987 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F1-(0)

Tgt Ion: 75 Resp: 71268
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.431 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012139.D
Acq: 23 Aug 2019 18:07

Tgt Ion: 128 Resp: 489
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

