

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012506.D
 Acq On : 02 Sep 2019 18:19
 Operator : SY/VA
 Sample : K4529-04RE
 Misc : 4.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T1-(1.9)

Quant Time: Sep 03 07:41:10 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

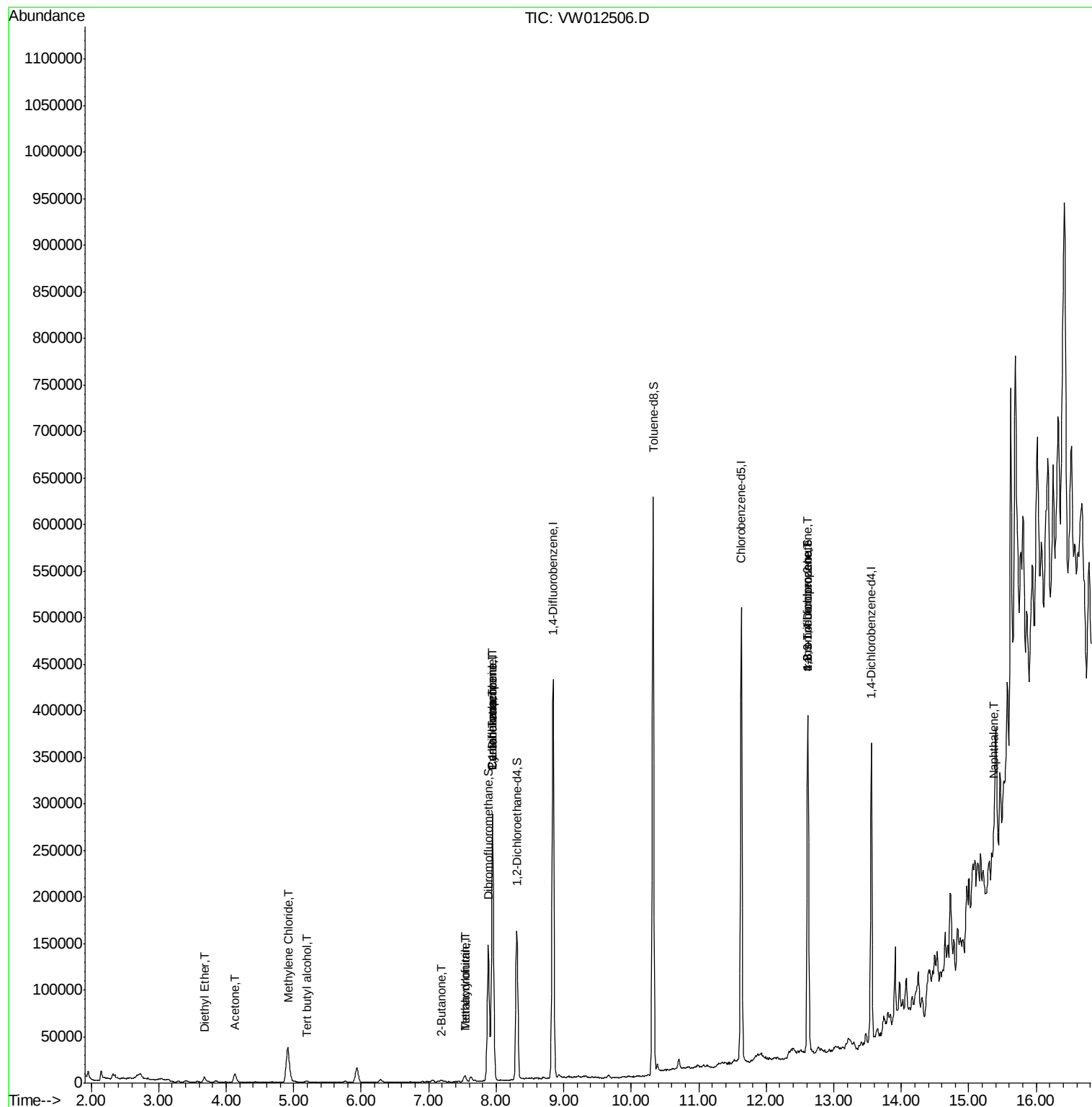
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	81216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128739	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	101943	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
50) Toluene-d8	10.32	98	397566	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.62	95	115283	39.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.18%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2839	2.424	ug/l	93
11) Tert butyl alcohol	5.19	59	2162	14.359	ug/l	97
16) Acetone	4.13	43	17484	27.338	ug/l	97
20) Methylene Chloride	4.91	84	28900	11.953	ug/l	96
25) 2-Butanone	7.19	43	1745	2.008	ug/l #	74
29) Tetrahydrofuran	7.53	42	5346	10.253	ug/l	99
31) Cyclohexane	7.95	56	5135	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17007	4.822	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21395	7.009	ug/l #	17
41) Methacrylonitrile	7.54	41	3530	3.108	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	60498	76.484	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60498	167.695	ug/l #	6
95) Naphthalene	15.37	128	289	4.407	ug/l #	79

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

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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: VW012506.D

Acq: 02 Sep 2019 18:19

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MSVOA_W

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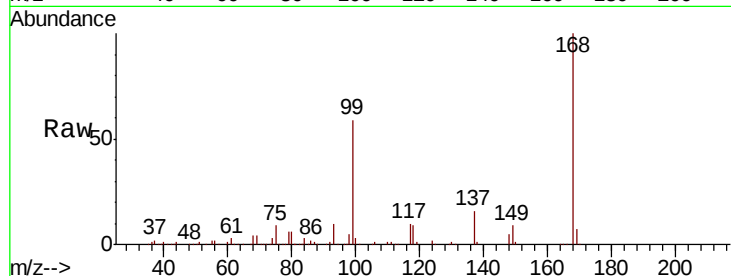
T9-12-13-T1-(1.9)

Tgt Ion:168 Resp: 210464

Ion Ratio Lower Upper

168 100

99 59.4 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

100000

80000

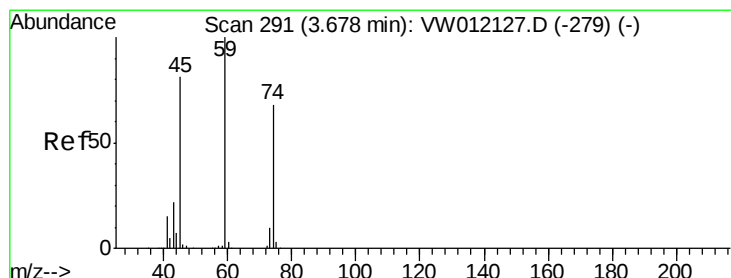
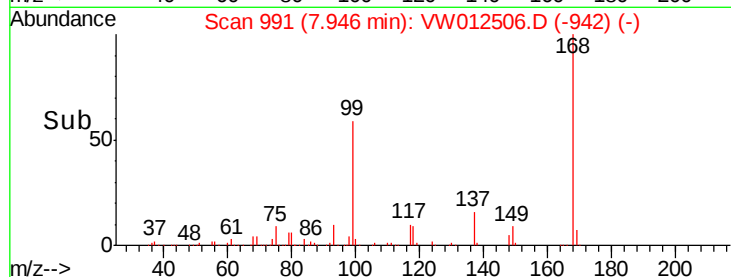
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.424 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012506.D

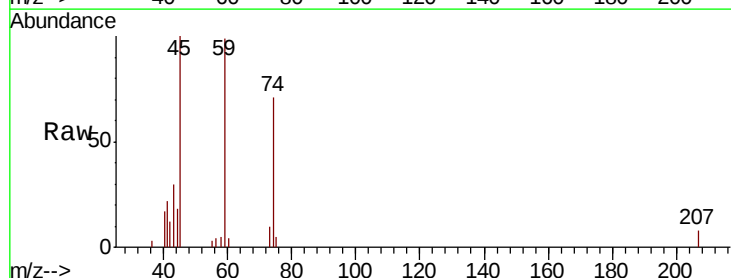
Acq: 02 Sep 2019 18:19

Tgt Ion: 74 Resp: 2839

Ion Ratio Lower Upper

74 100

45 126.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

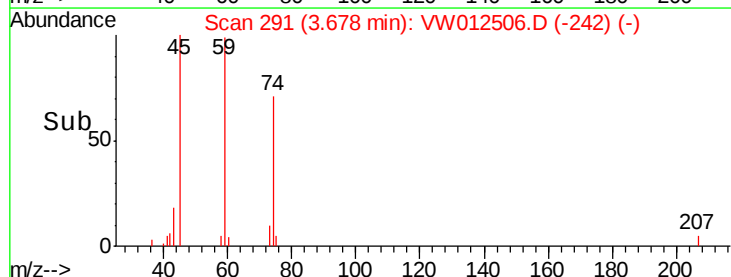
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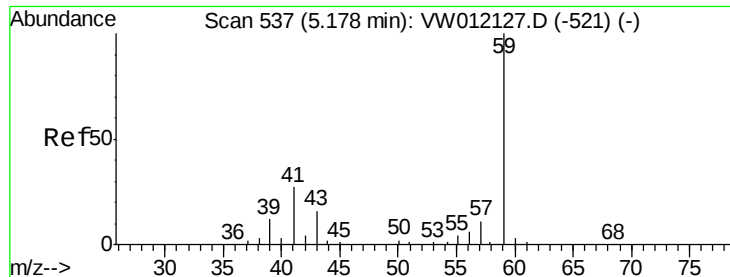
1000

500

0

Time-->

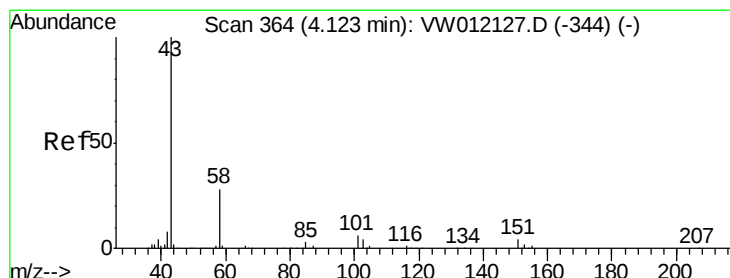
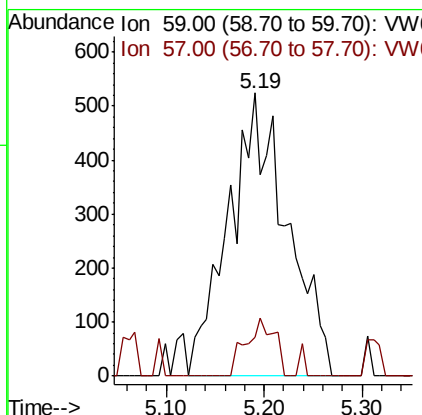
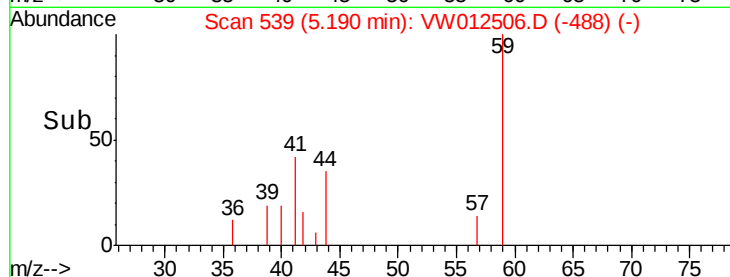
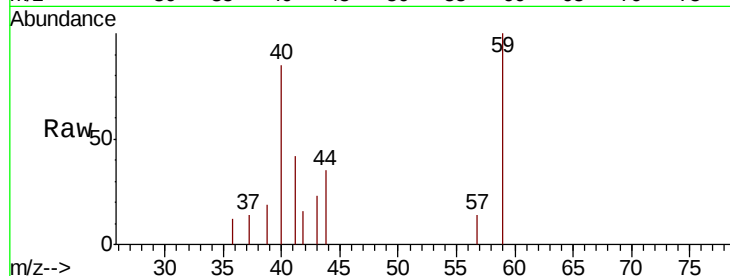




#11
Tert butyl alcohol
Concen: 14.359 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

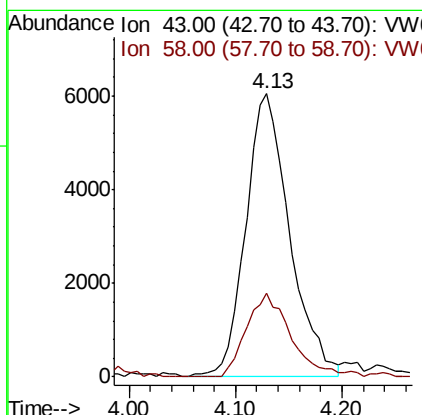
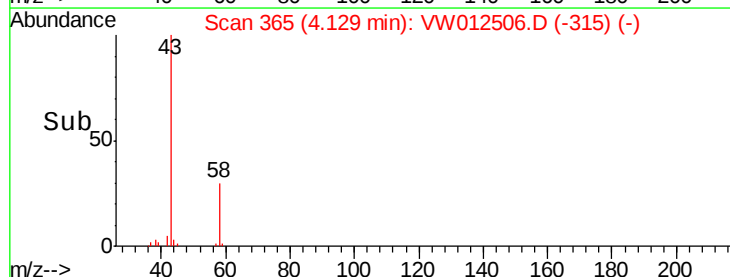
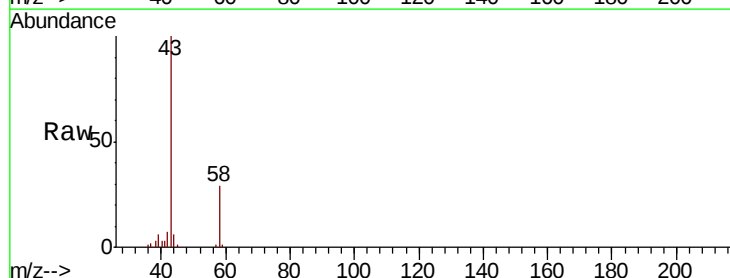
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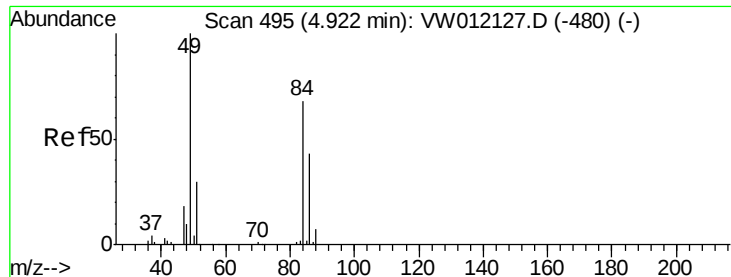
Tgt Ion: 59 Resp: 2162
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.4



#16
Acetone
Concen: 27.338 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Tgt Ion: 43 Resp: 17484
Ion Ratio Lower Upper
43 100
58 29.4 22.4 33.6

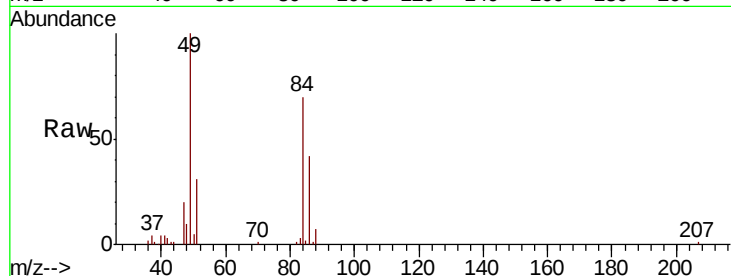




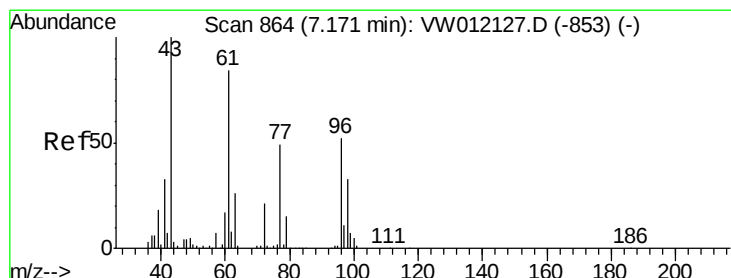
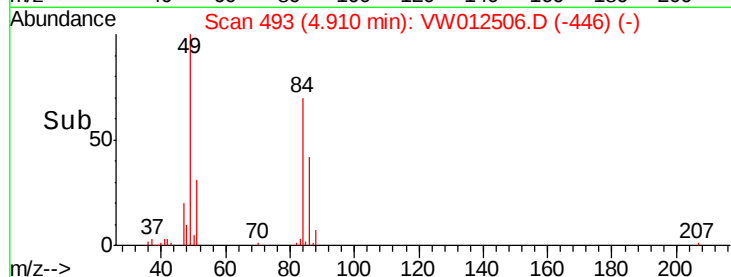
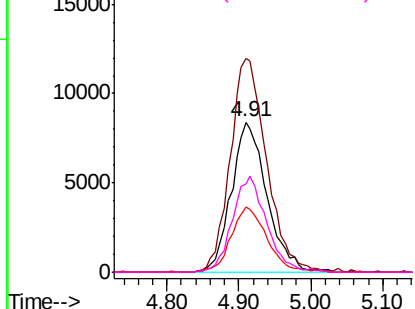
#20
Methylene Chloride
Concen: 11.953 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T1-(1.9)

Tgt Ion:	84	Resp:	28900
Ion	Ratio	Lower	Upper
84	100		
49	142.2	117.8	176.8
51	43.5	35.6	53.4
86	59.0	51.2	76.8

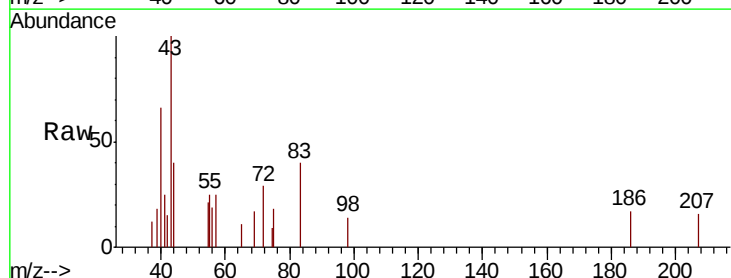


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

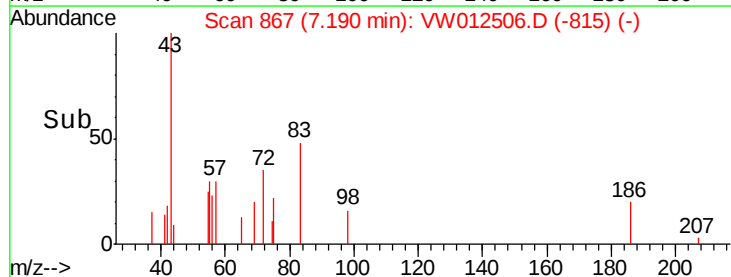
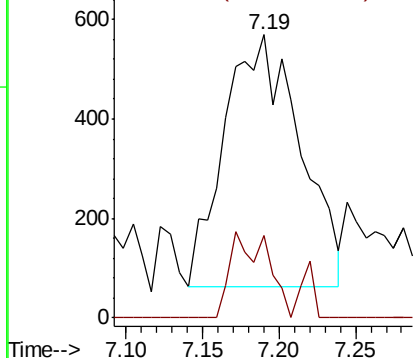


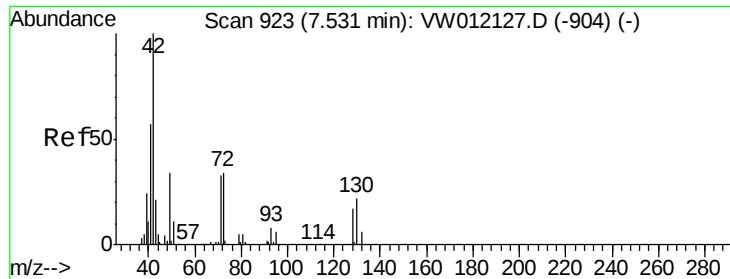
#25
2-Butanone
Concen: 2.008 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Tgt Ion:	43	Resp:	1745
Ion	Ratio	Lower	Upper
43	100		
72	32.9	16.6	24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

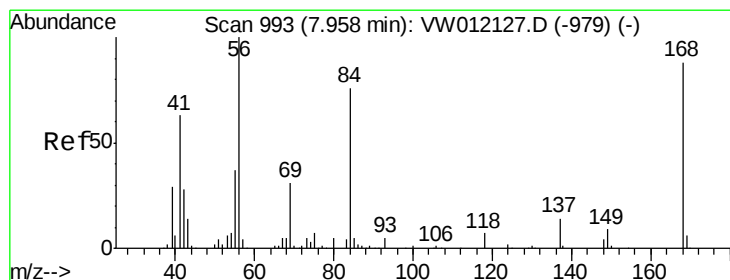
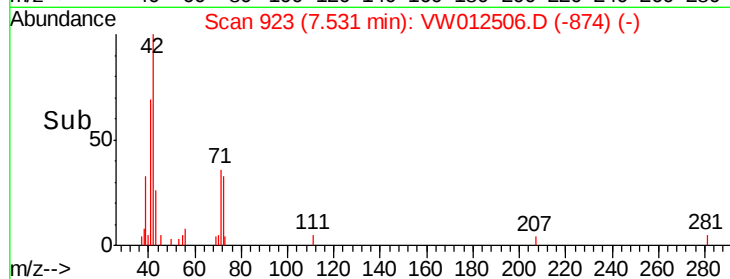
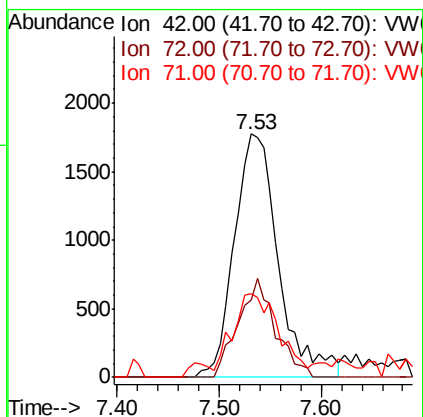
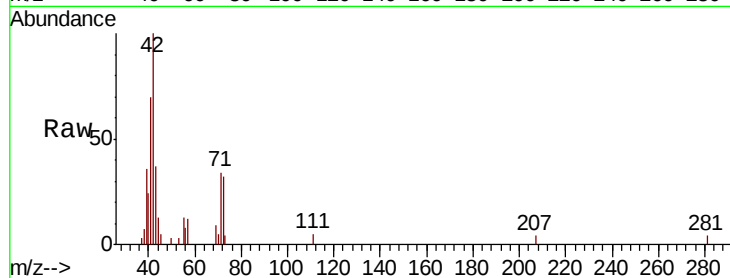




#29
Tetrahydrofuran
Concen: 10.253 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

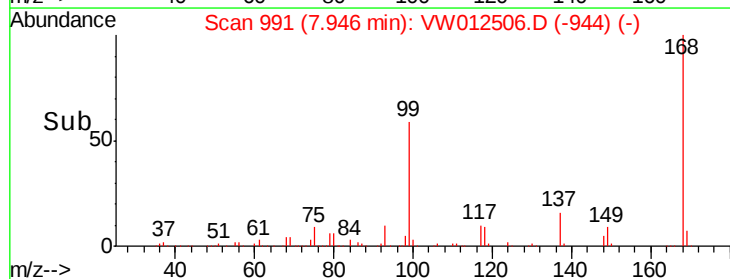
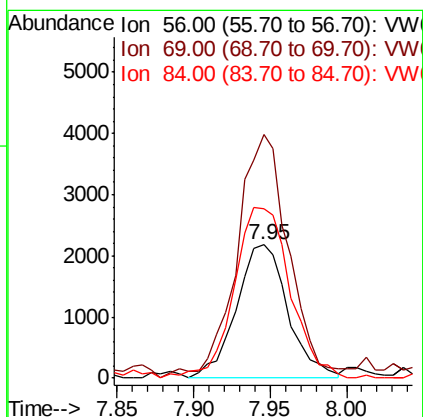
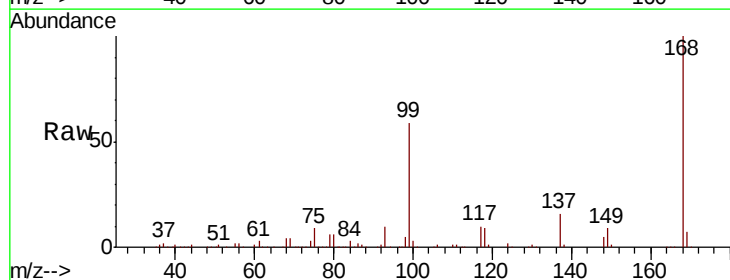
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ClientSampleId :
T9-12-13-T1-(1.9)

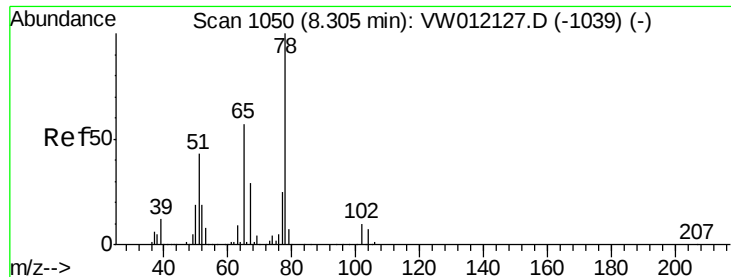
Tgt Ion: 42 Resp: 5346
Ion Ratio Lower Upper
42 100
72 34.1 27.3 40.9
71 33.2 25.5 38.3



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 178.0 24.9 37.3#
84 123.3 60.6 90.8#

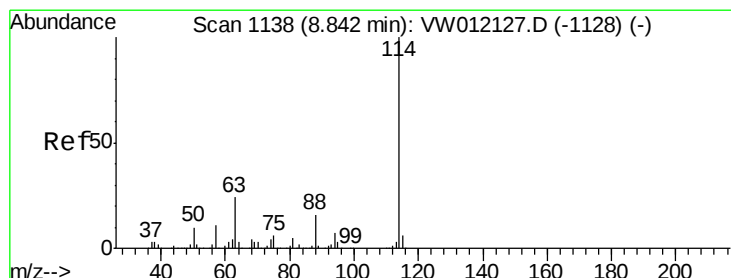
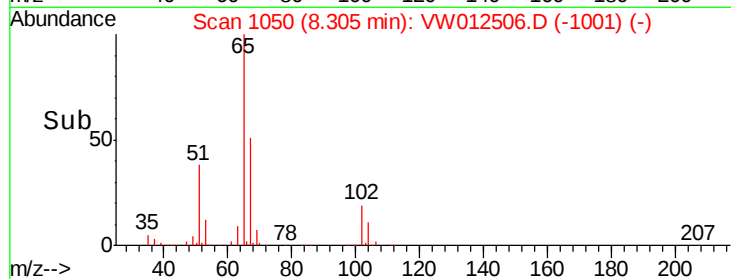
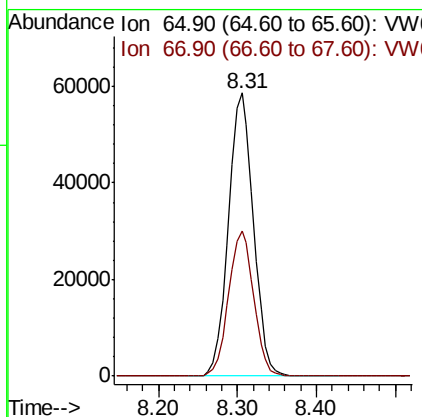
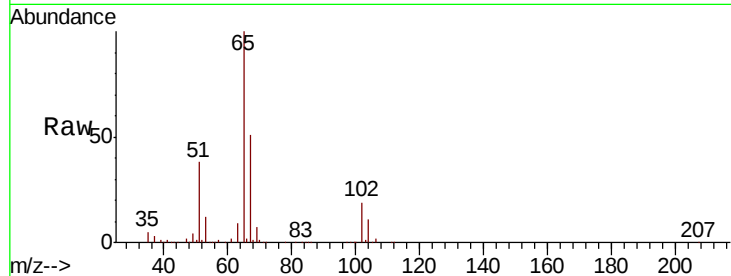




#33
 1,2-Dichloroethane-d4
 Concen: 51.456 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012506.D
 Acq: 02 Sep 2019 18:19

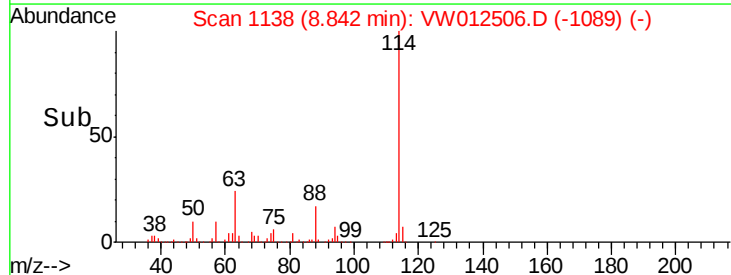
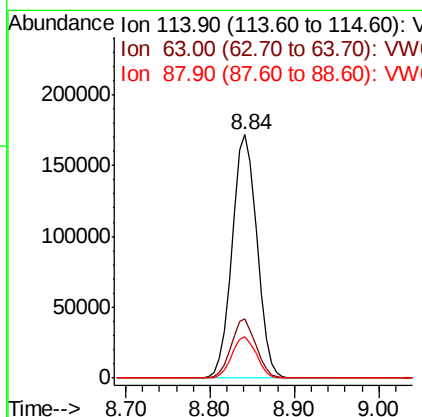
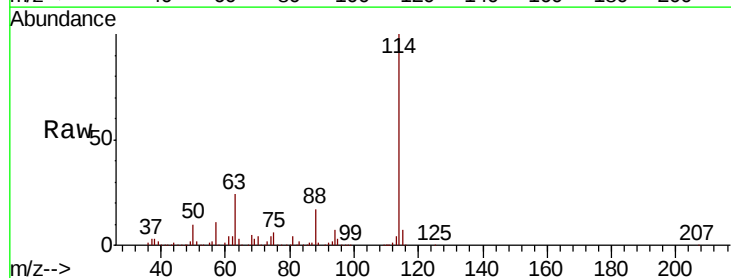
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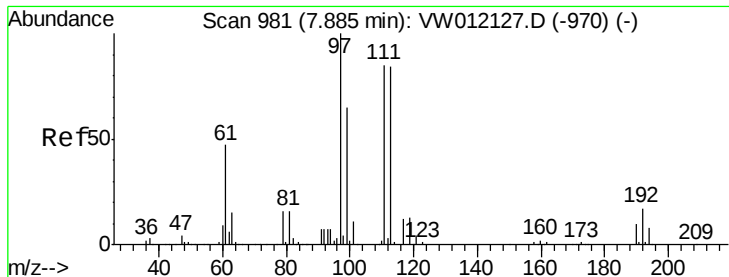
Tgt Ion: 65 Resp: 128739
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012506.D
 Acq: 02 Sep 2019 18:19

Tgt Ion: 114 Resp: 341278
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 17.2 0.0 32.2

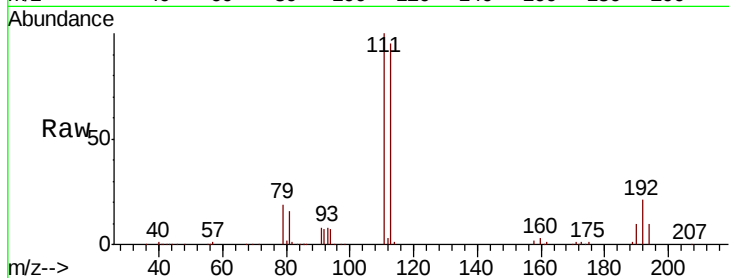




#35
 Dibromofluoromethane
 Concen: 50.043 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012506.D
 Acq: 02 Sep 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T1-(1.9)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	21.2	16.2	24.2

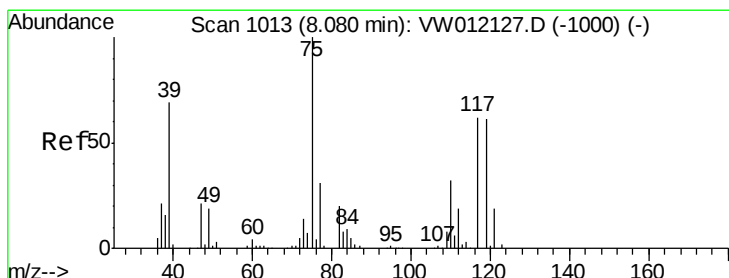
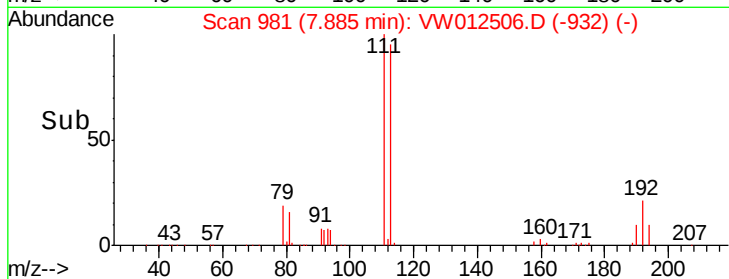
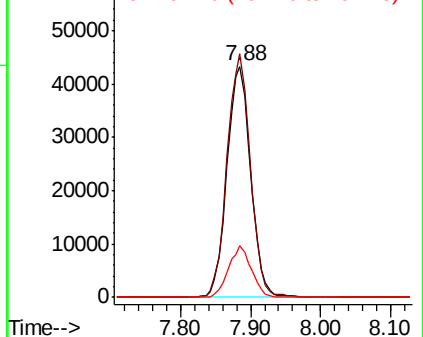


Abundance

Ion 112.80 (112.50 to 113.50): V

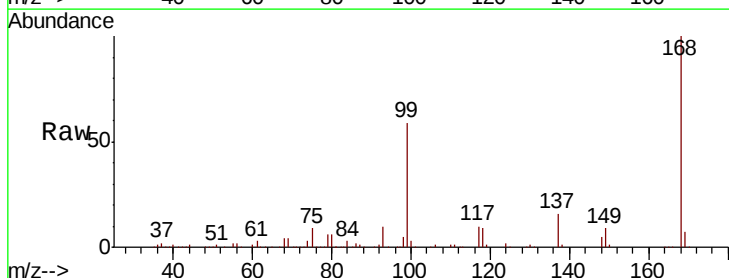
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012506.D
 Acq: 02 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.2	24.6	36.8#

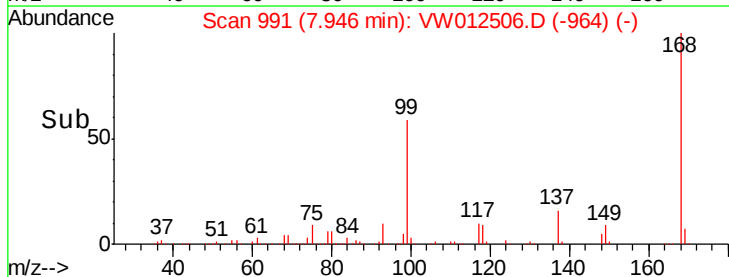
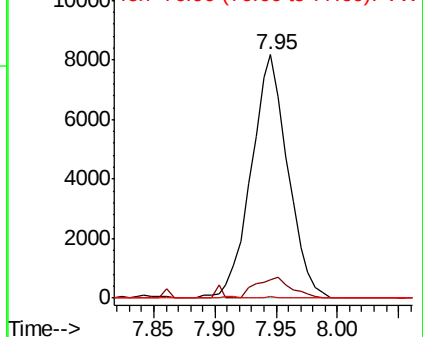


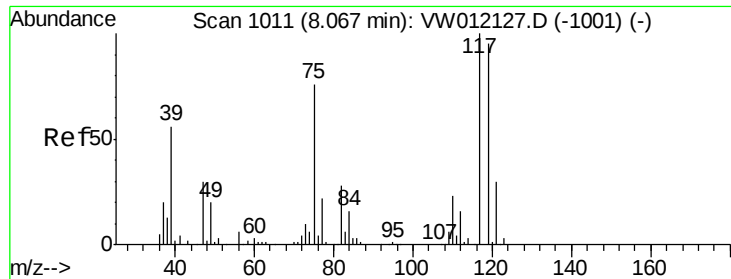
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

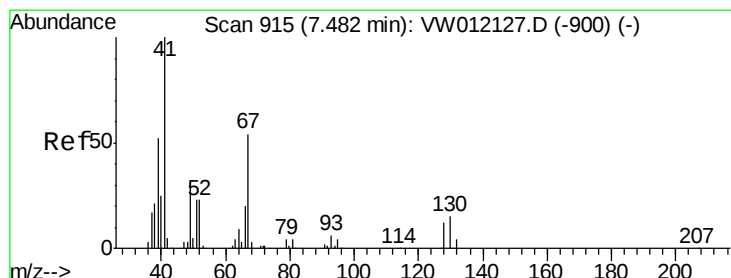
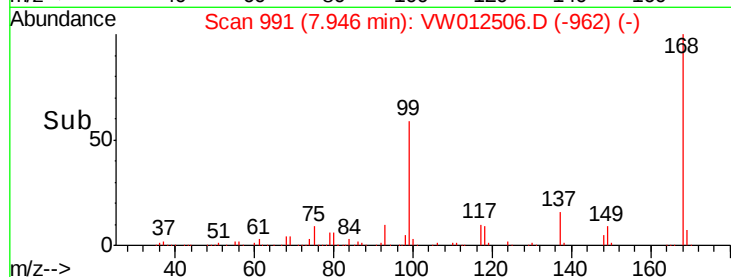
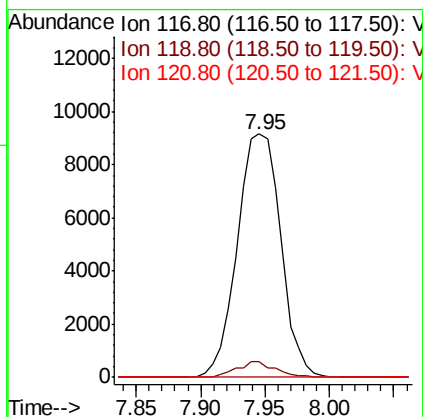
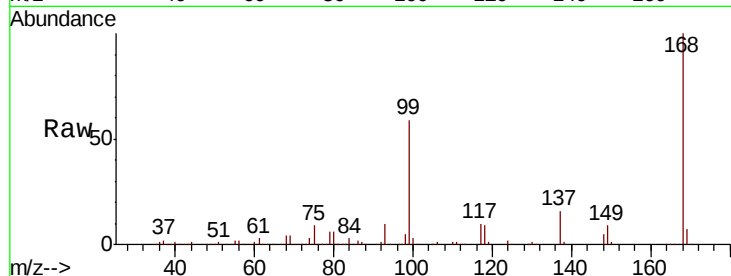




#38
Carbon Tetrachloride
Concen: 7.009 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

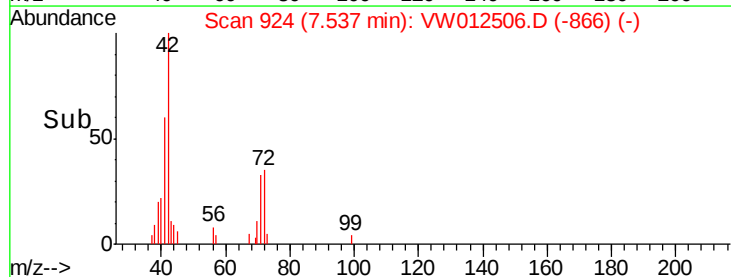
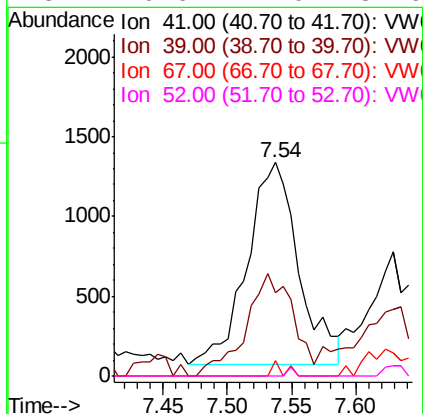
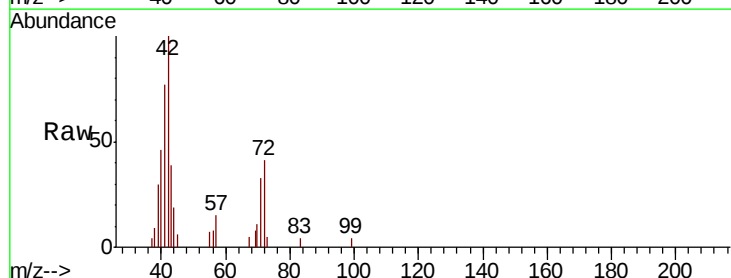
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T9-12-13-T1-(1.9)

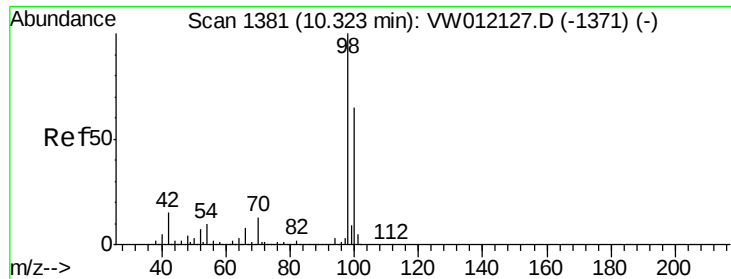
Tgt Ion: 117 Resp: 21395
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 3.108 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Tgt Ion: 41 Resp: 3530
Ion Ratio Lower Upper
41 100
39 46.3 45.8 68.8
67 1.6 46.2 69.4#
52 0.6 21.0 31.6#





#50

Toluene-d8

Concen: 48.132 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012506.D

Acq: 02 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

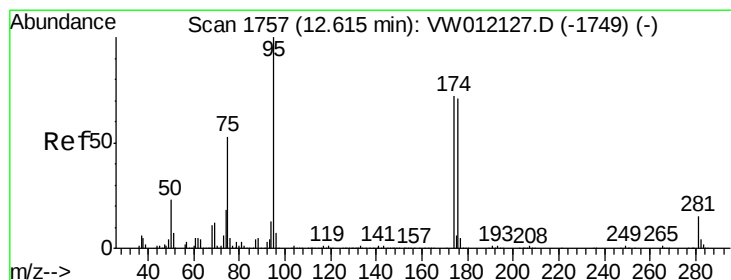
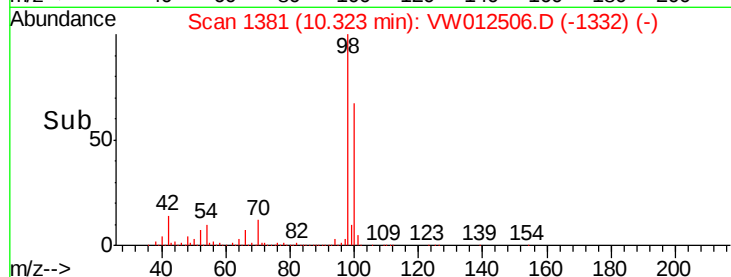
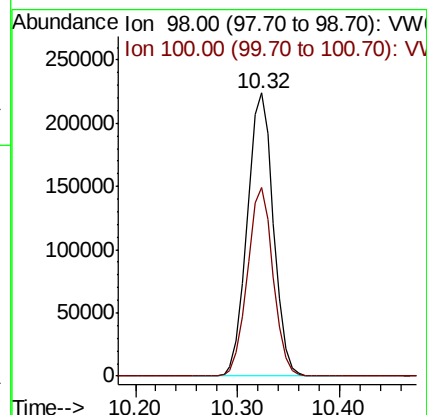
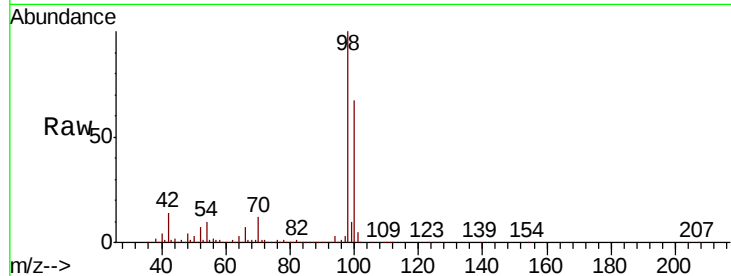
T9-12-13-T1-(1.9)

Tgt Ion: 98 Resp: 397566

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 39.595 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012506.D

Acq: 02 Sep 2019 18:19

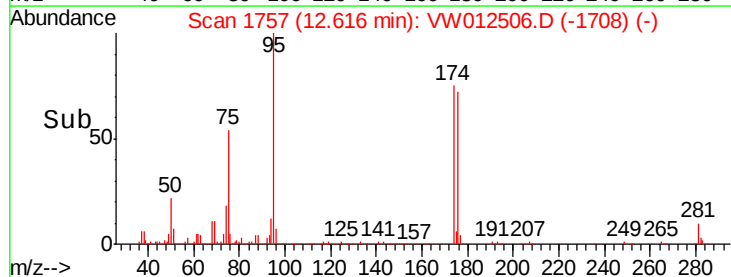
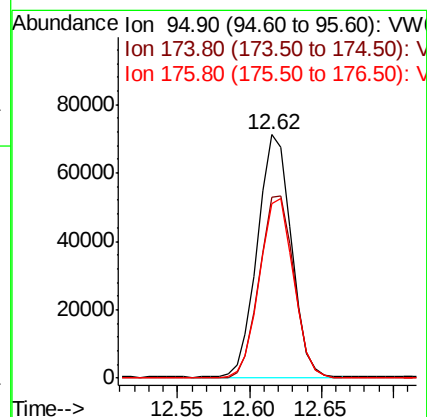
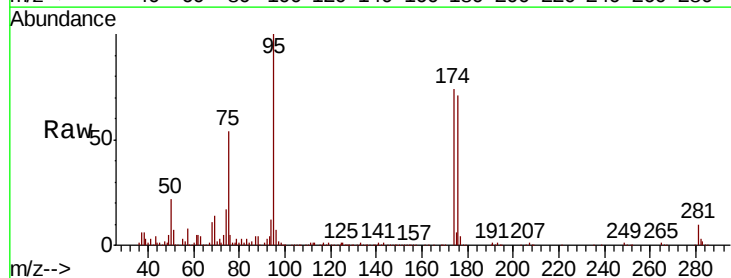
Tgt Ion: 95 Resp: 115283

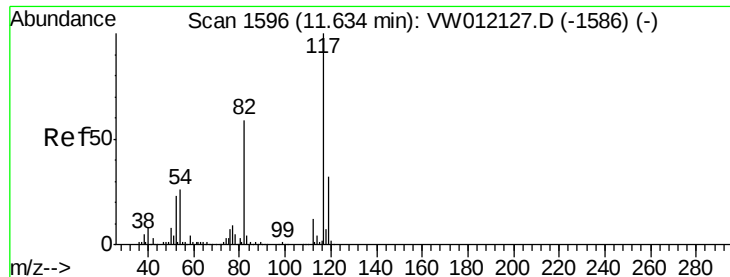
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.8

176 74.7 0.0 148.6

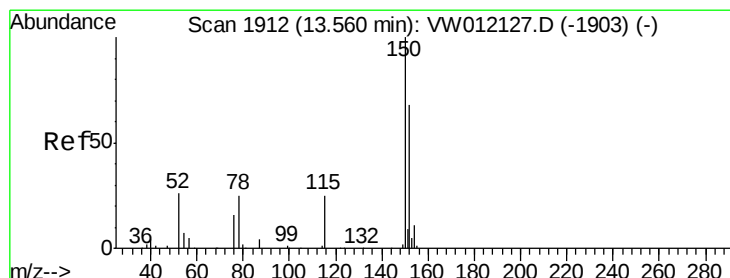
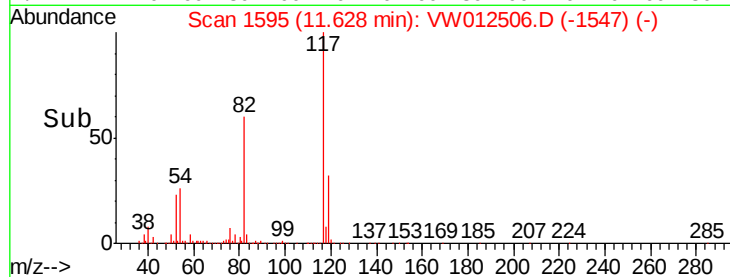
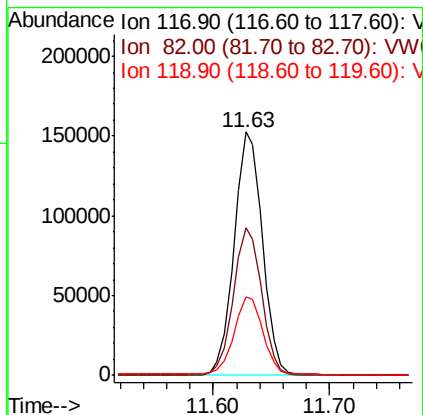
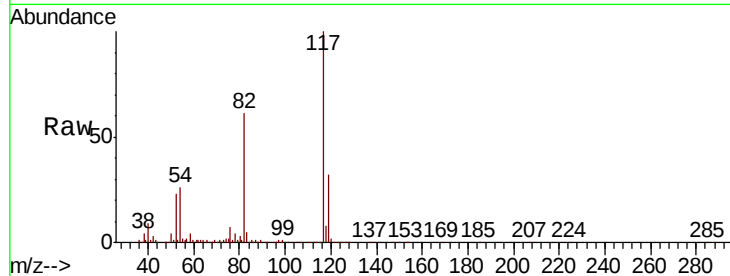




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

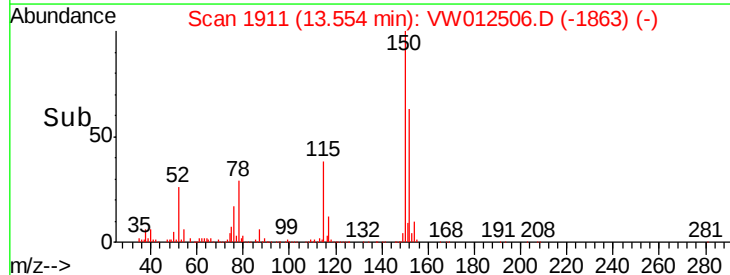
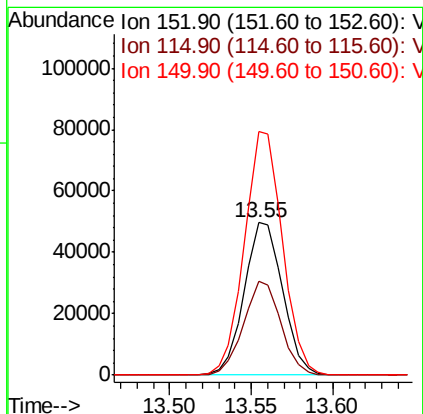
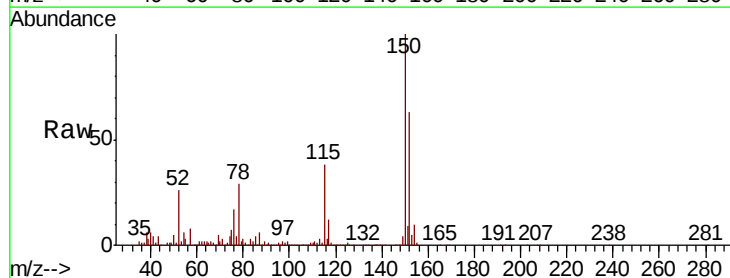
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T1-(1.9)

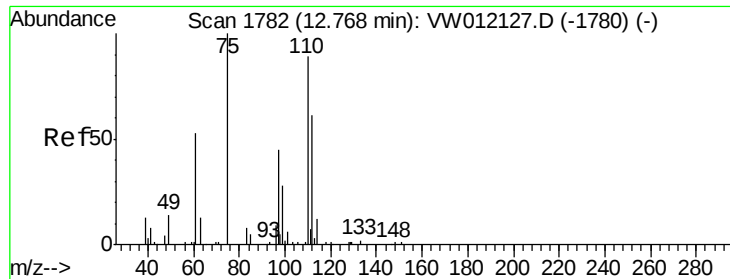
Tgt Ion:117 Resp: 257902
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Tgt Ion:152 Resp: 81216
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 158.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 76.484 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012506.D

Acq: 02 Sep 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

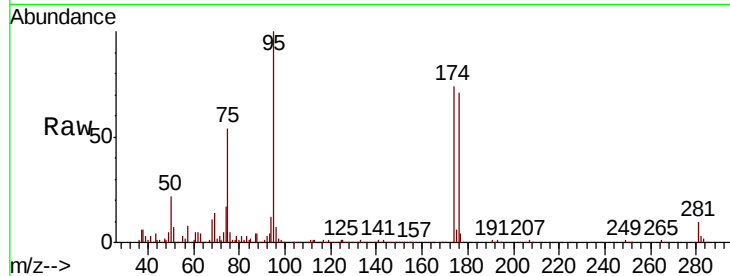
T9-12-13-T1-(1.9)

Tgt Ion: 75 Resp: 60498

Ion Ratio Lower Upper

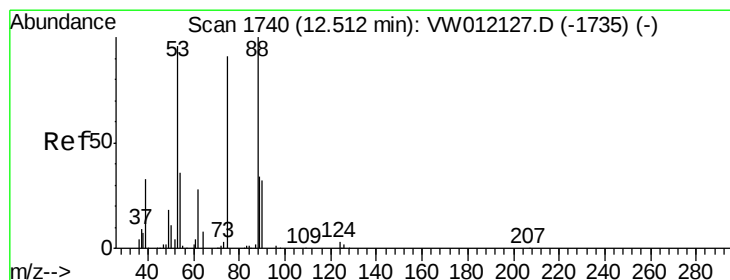
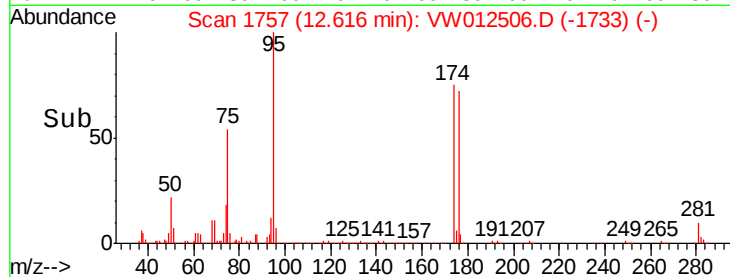
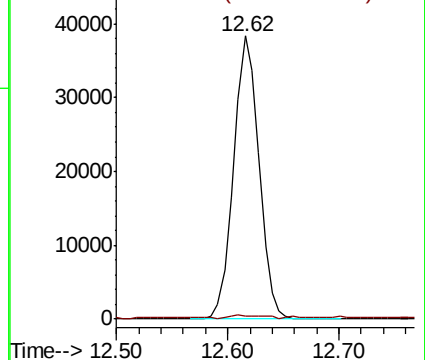
75 100

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: 167.695 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012506.D

Acq: 02 Sep 2019 18:19

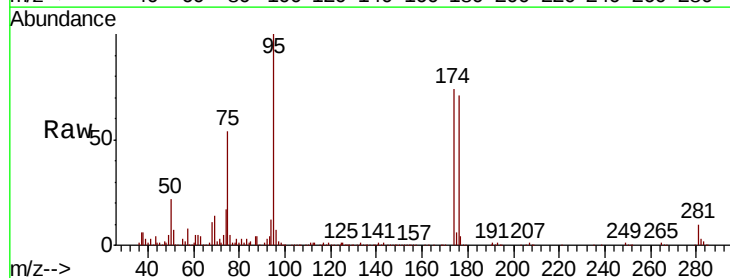
Tgt Ion: 75 Resp: 60498

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

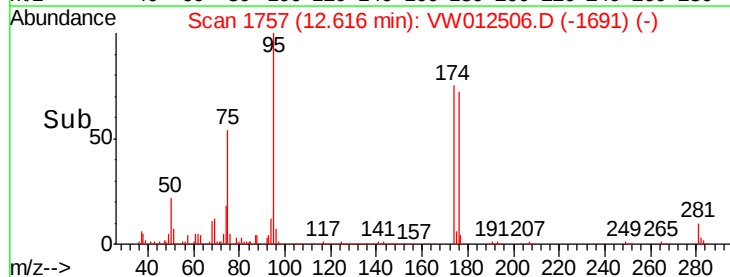
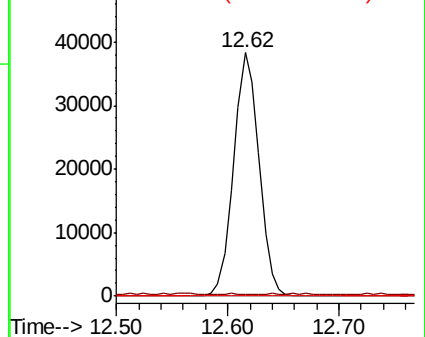
89 0.1 34.5 51.7#

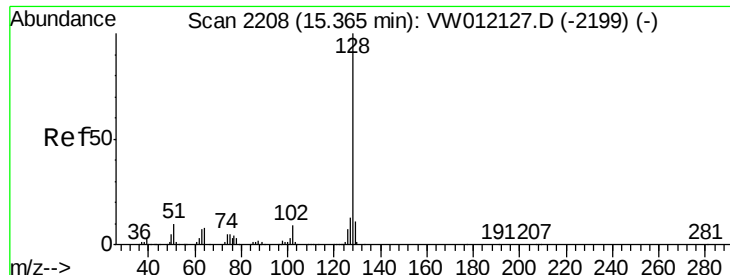


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

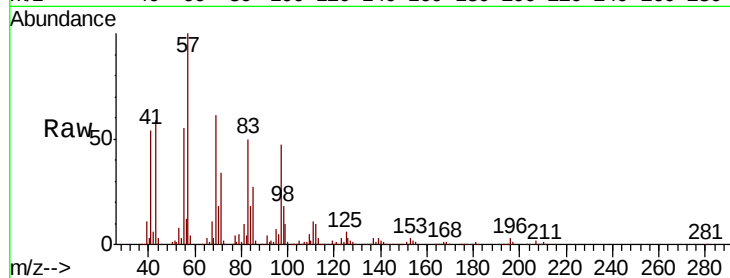




#95
Naphthalene
Concen: 4.407 ug/l
RT: 15.37 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012506.D
Acq: 02 Sep 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T1-(1.9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1
129	8.7	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

