

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012474.D
 Acq On : 02 Sep 2019 03:41
 Operator : SY/VA
 Sample : K4527-19
 Misc : 5.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Sep 02 07:25:39 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	229864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	148996	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.88	113	115328	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.32	98	456741	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	142466	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

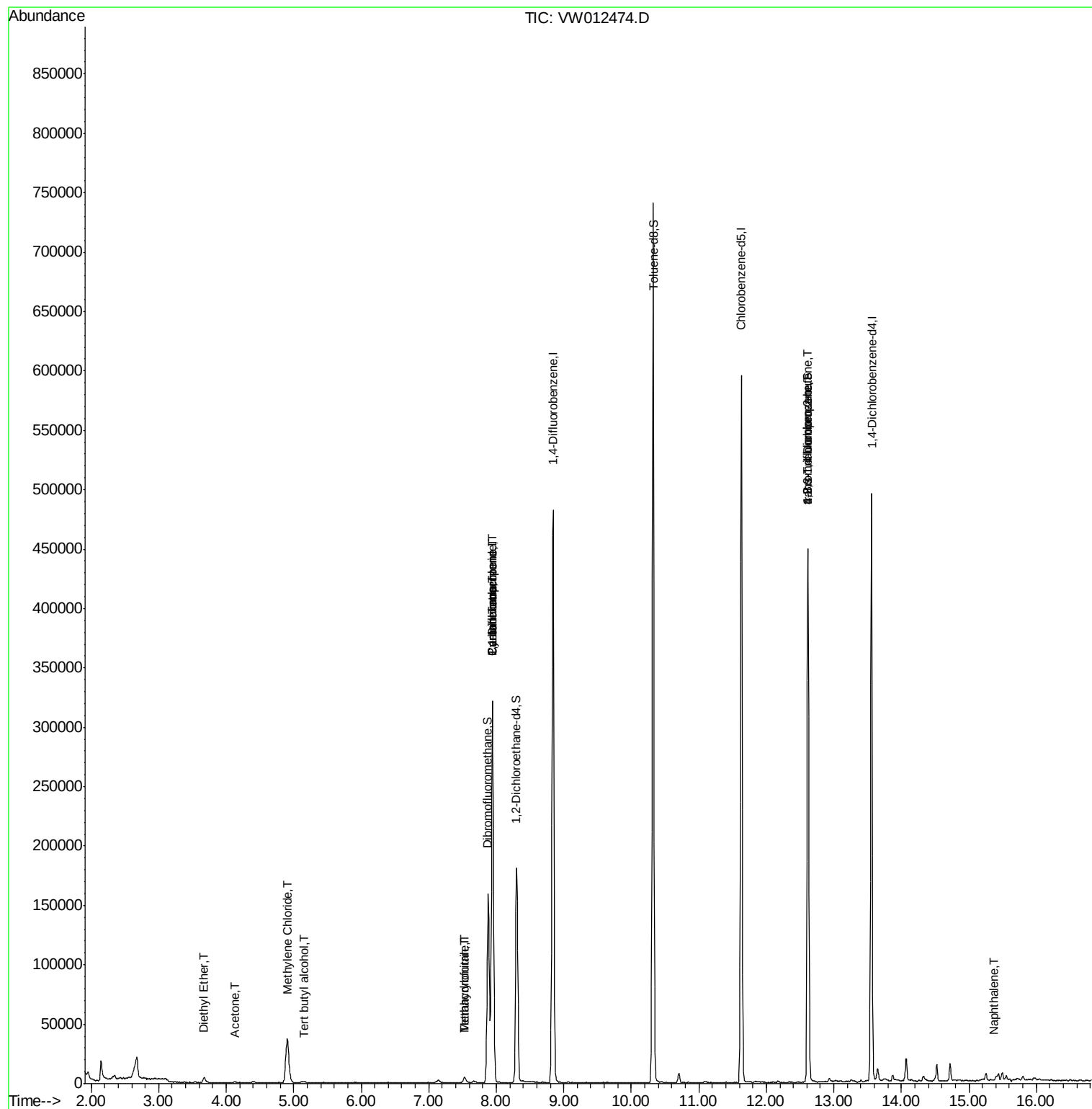
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2219	1.735	ug/l	93
11) Tert butyl alcohol	5.15	59	933	5.674	ug/l #	82
16) Acetone	4.13	43	1027	1.470	ug/l	91
20) Methylene Chloride	4.90	84	26182	9.915	ug/l	98
29) Tetrahydrofuran	7.52	42	3573	6.274	ug/l #	88
31) Cyclohexane	7.95	56	5638	1.146	ug/l #	14
36) 1,1-Dichloropropene	7.94	75	19712	5.066	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23603	7.009	ug/l #	16
41) Methacrylonitrile	7.53	41	2626	2.096	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	78226	65.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78226	142.919	ug/l #	6
95) Naphthalene	15.37	128	171	4.355	ug/l #	78

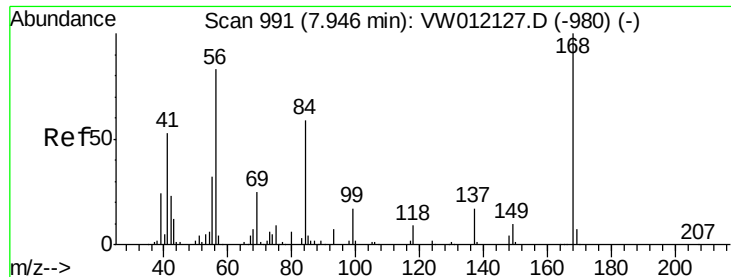
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012474.D

Acq: 02 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

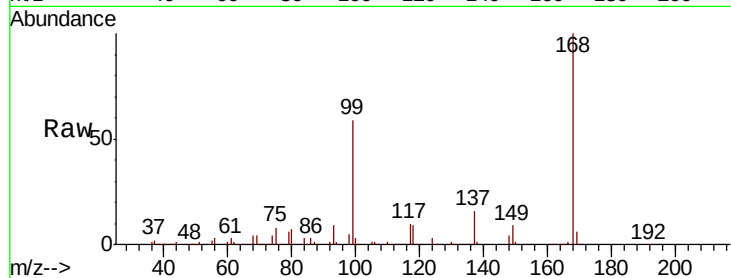
T9-12-13-P-(1.9)

Tgt Ion:168 Resp: 229864

Ion Ratio Lower Upper

168 100

99 59.3 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

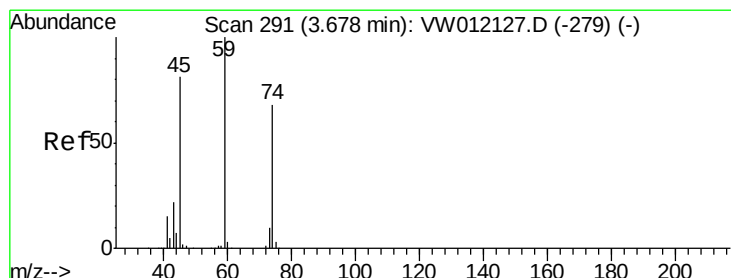
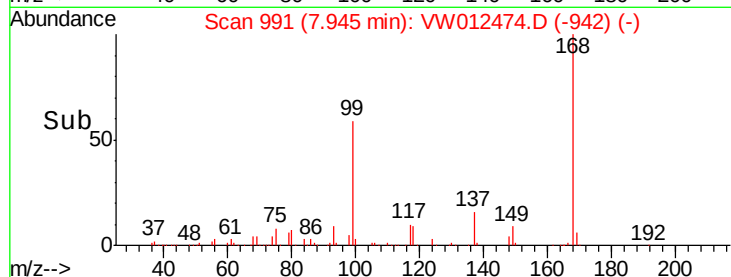
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.735 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012474.D

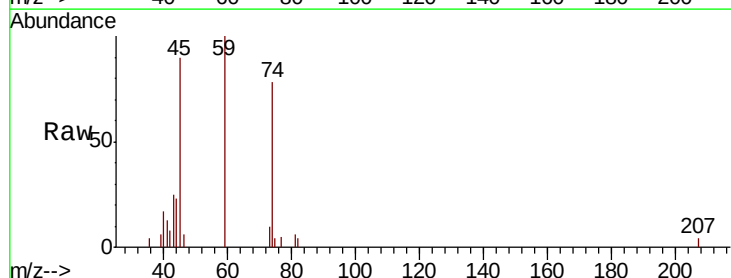
Acq: 02 Sep 2019 03:41

Tgt Ion: 74 Resp: 2219

Ion Ratio Lower Upper

74 100

45 126.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

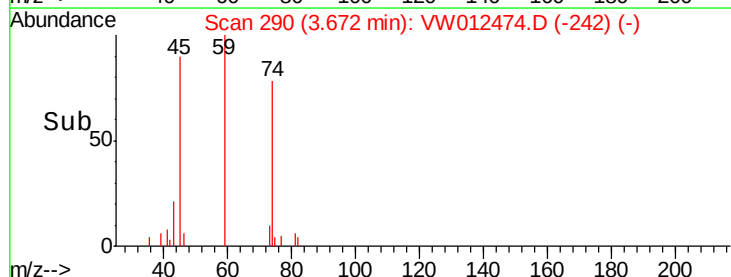
1500

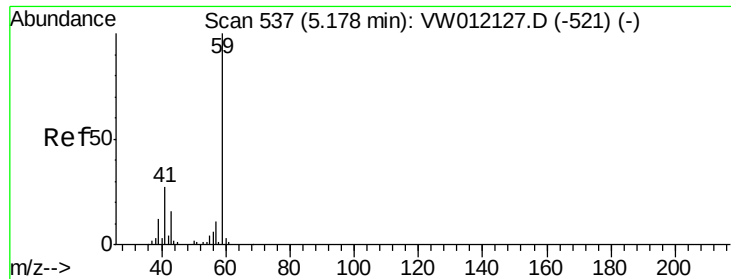
1000

500

0

Time-->

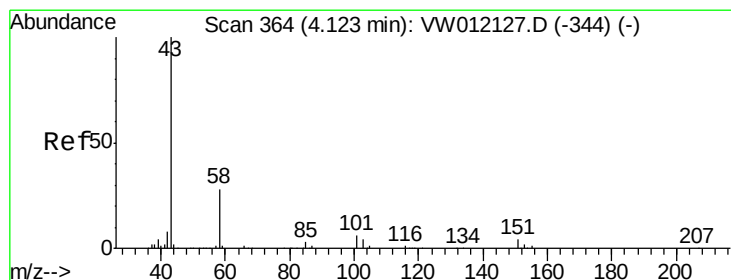
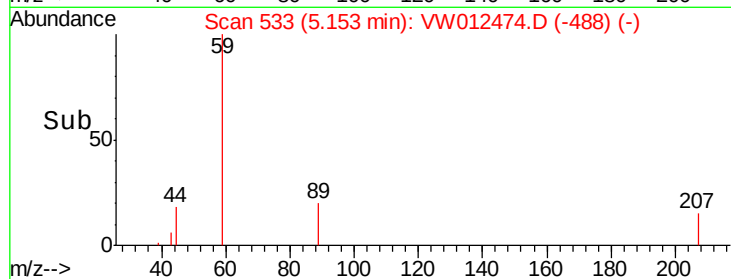
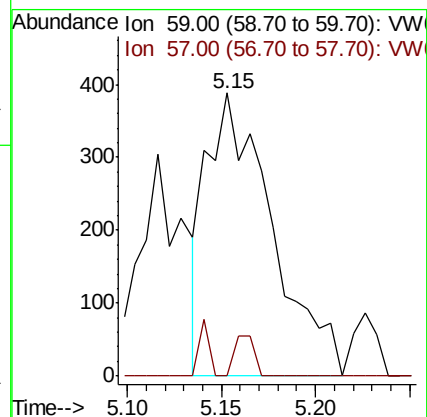
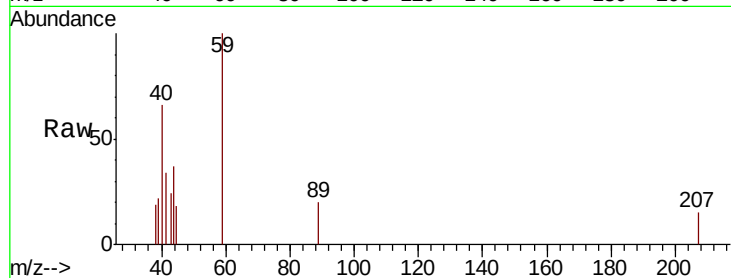




#11
Tert butyl alcohol
Concen: 5.674 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

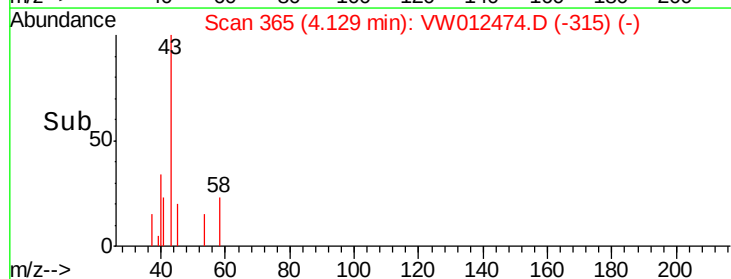
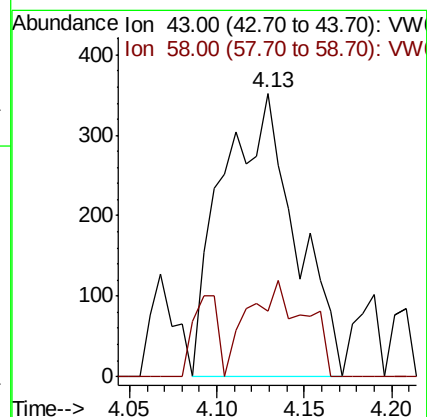
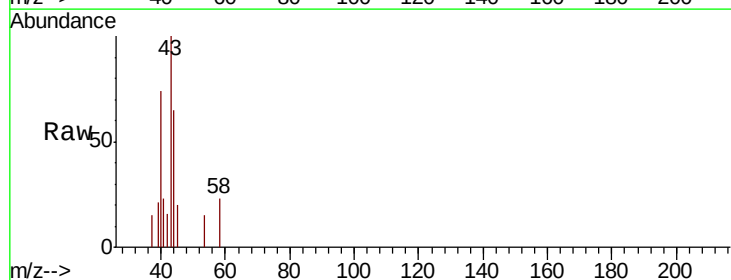
Instrument :
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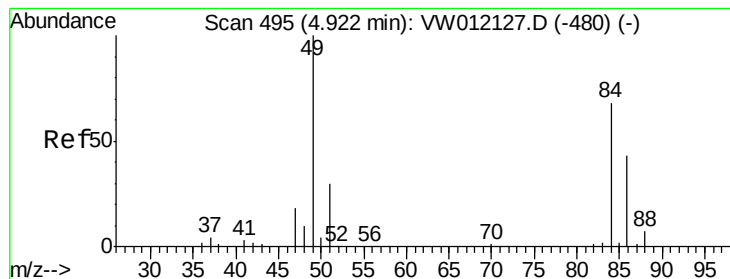
Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
57 4.3 9.0 13.4#



#16
Acetone
Concen: 1.470 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 23.0 22.4 33.6





#20

Methylene Chloride

Concen: 9.915 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012474.D

Acq: 02 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-P-(1.9)

Tgt Ion: 84 Resp: 26182

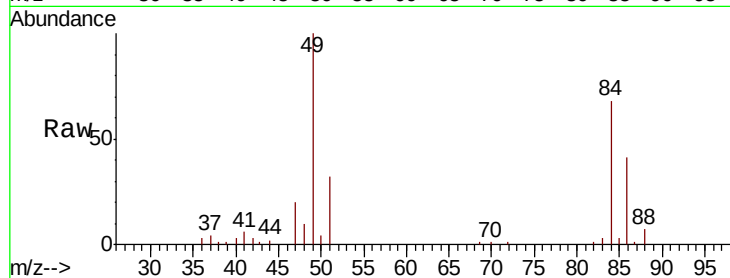
Ion Ratio Lower Upper

84 100

49 146.8 117.8 176.8

51 46.7 35.6 53.4

86 60.2 51.2 76.8

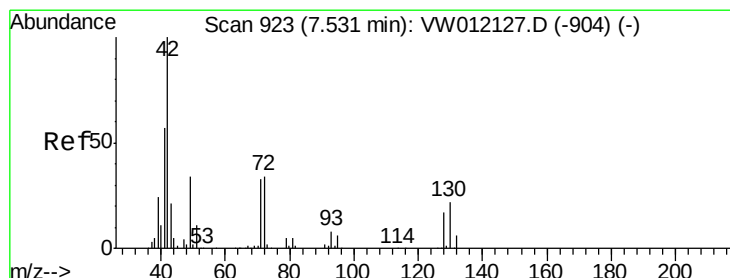
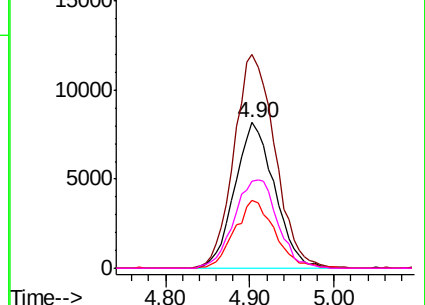
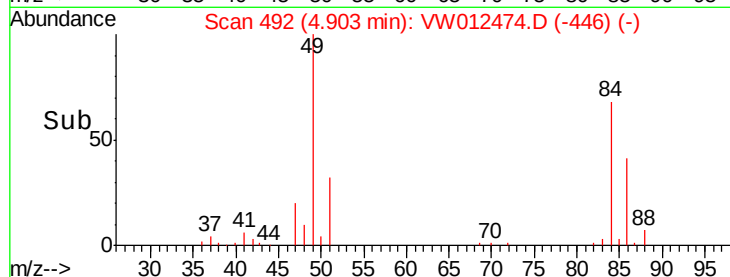


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 6.274 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012474.D

Acq: 02 Sep 2019 03:41

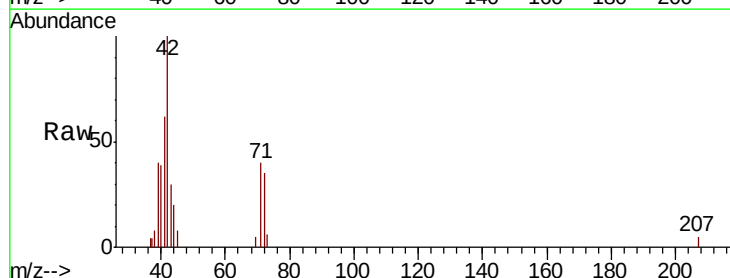
Tgt Ion: 42 Resp: 3573

Ion Ratio Lower Upper

42 100

72 40.7 27.3 40.9

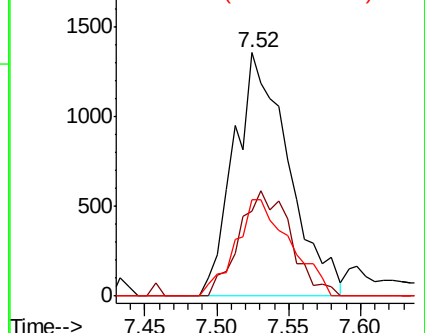
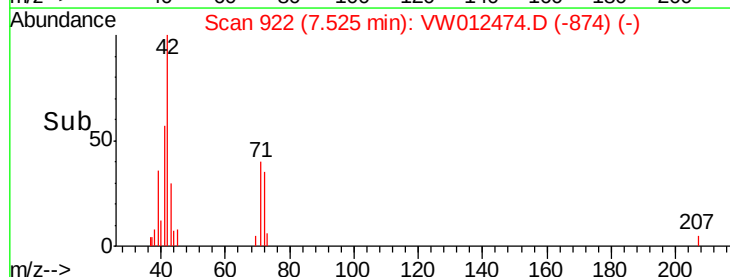
71 39.4 25.5 38.3#

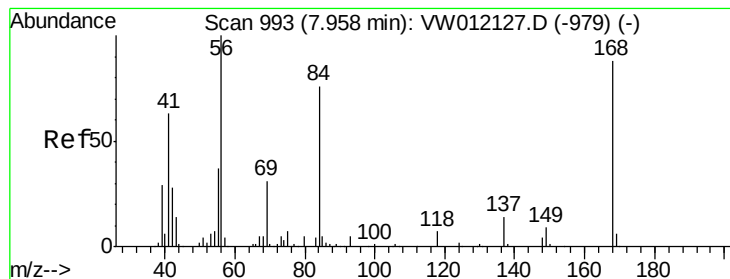


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012474.D

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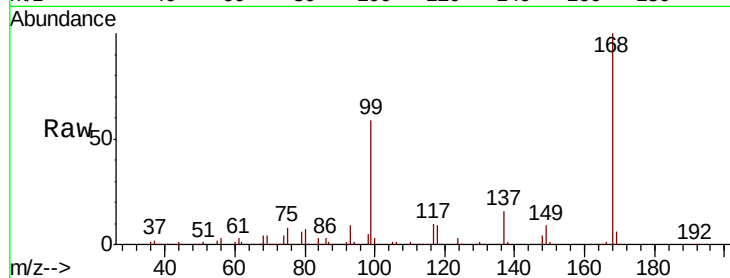
Tgt Ion: 56 Resp: 5638

Ion Ratio Lower Upper

56 100

69 145.5 24.9 37.3#

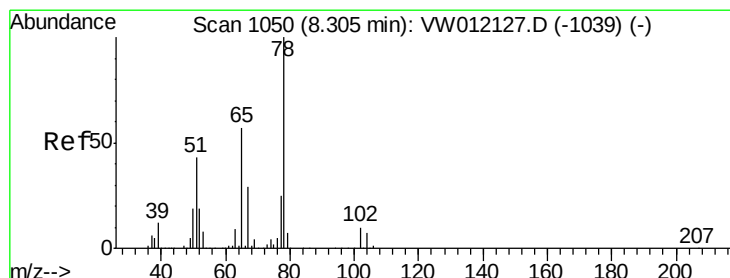
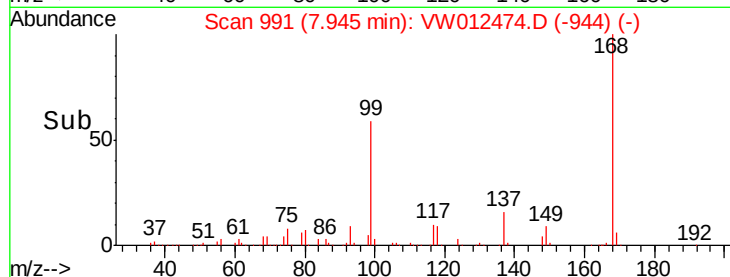
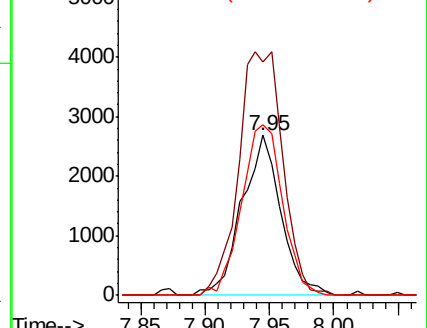
84 106.8 60.6 90.8#



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: 54.527 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012474.D

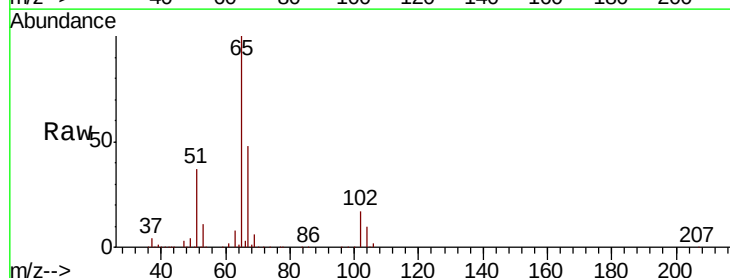
Acq: 02 Sep 2019 03:41

Tgt Ion: 65 Resp: 148996

Ion Ratio Lower Upper

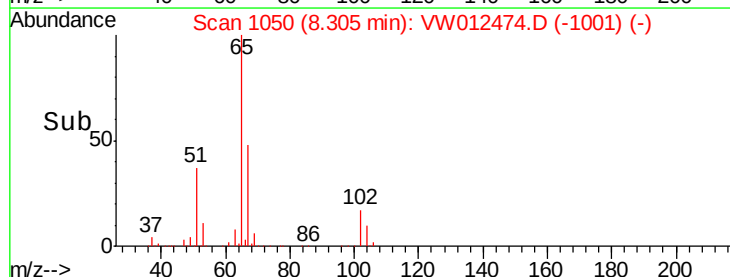
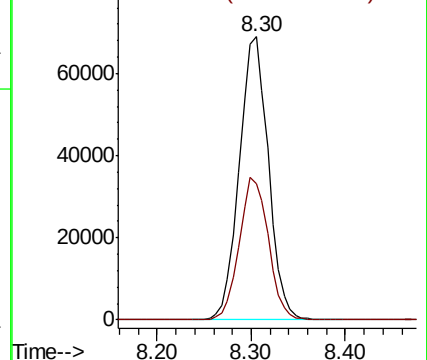
65 100

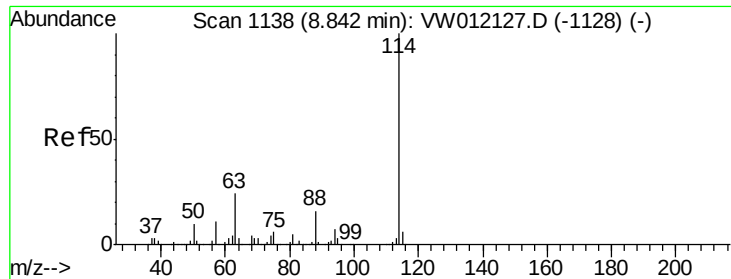
67 50.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

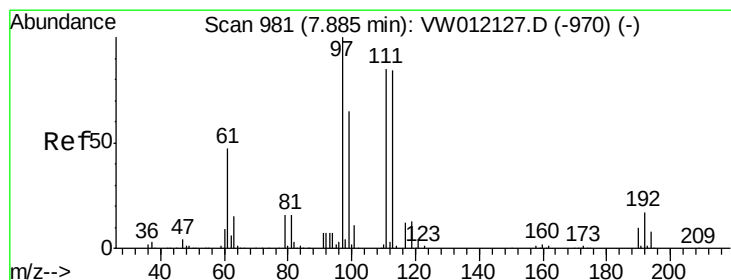
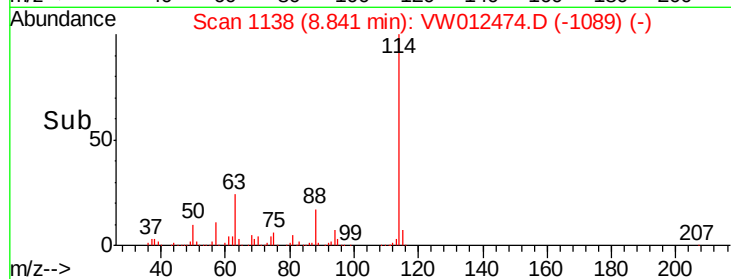
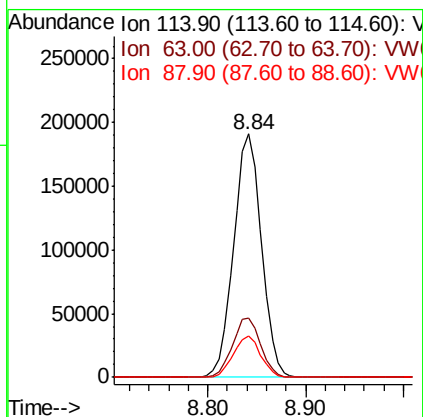
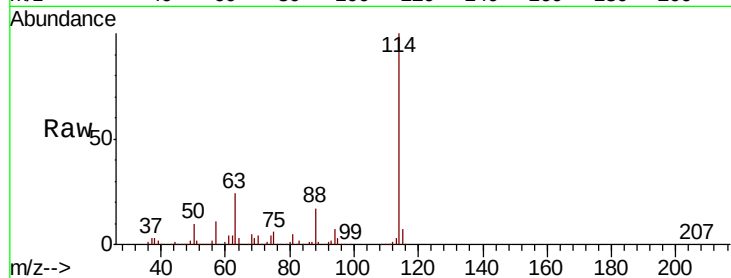




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

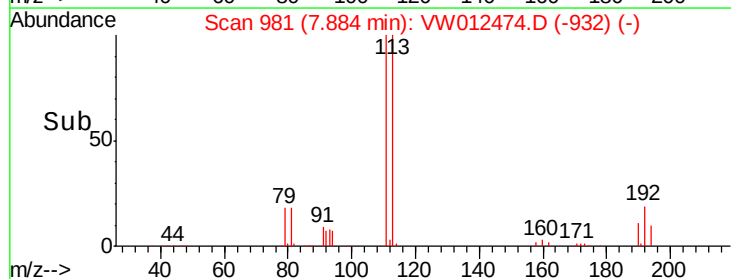
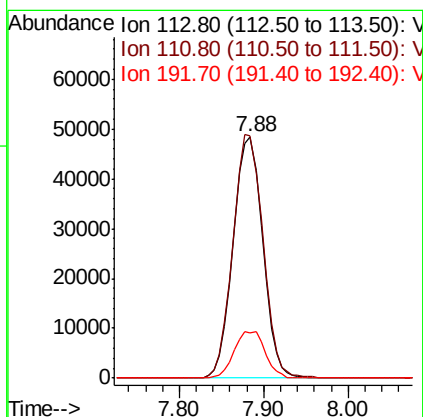
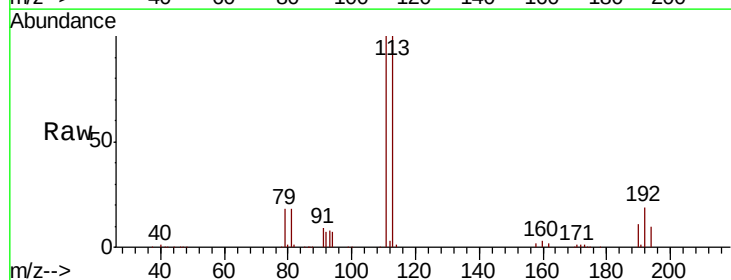
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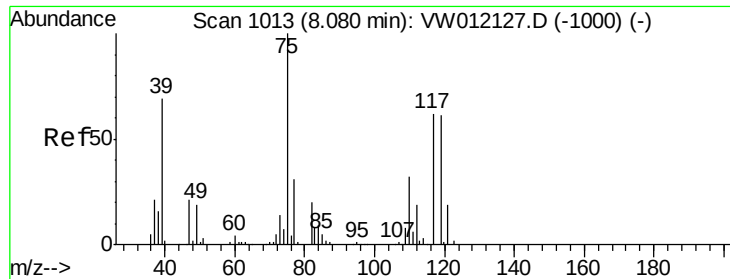
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	48.6
88	17.1	0.0	32.2



#35
Dibromofluoromethane
Concen: 51.314 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.3	16.2	24.2

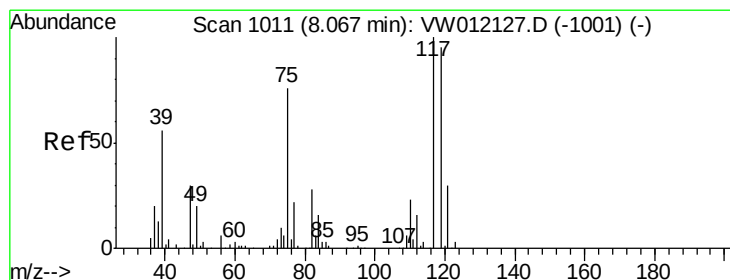
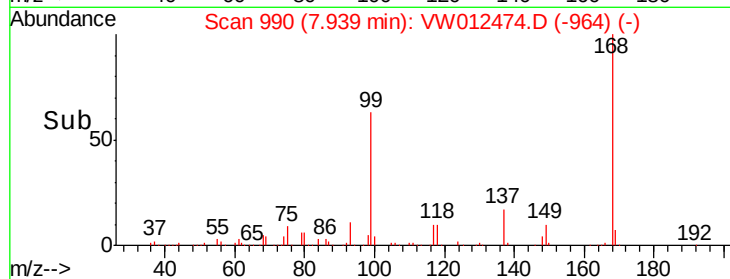
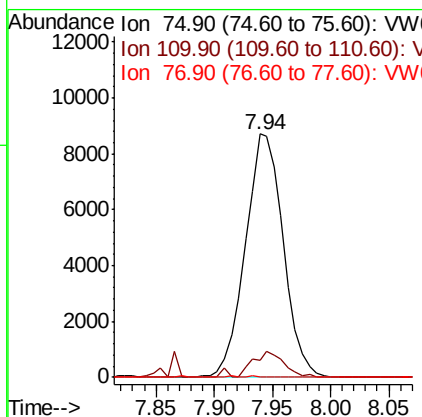
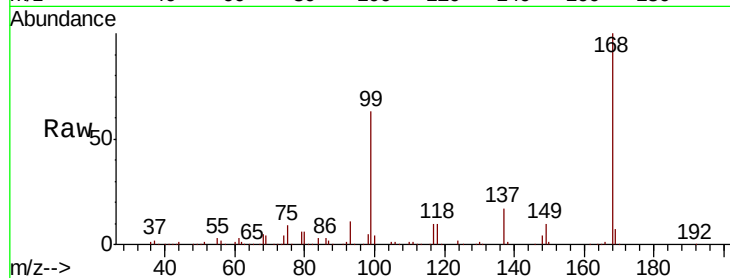




#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012474.D
 Acq: 02 Sep 2019 03:41

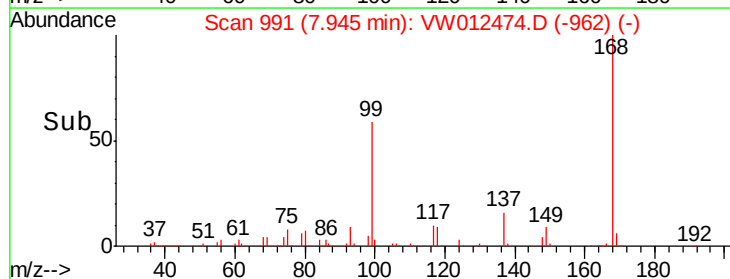
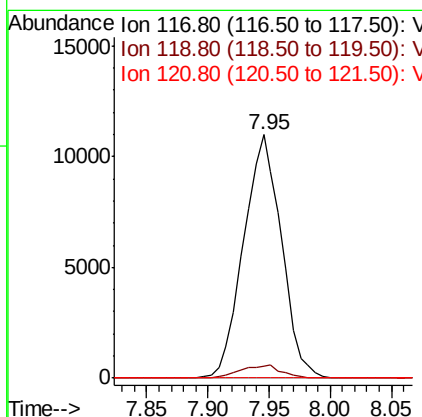
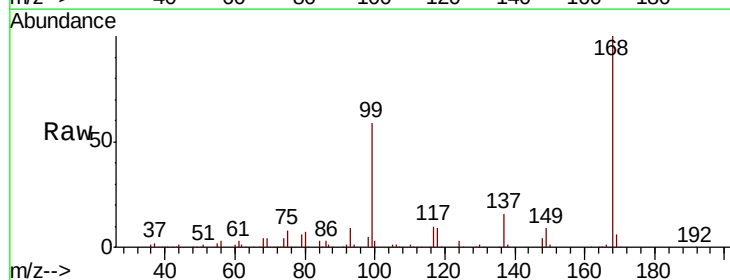
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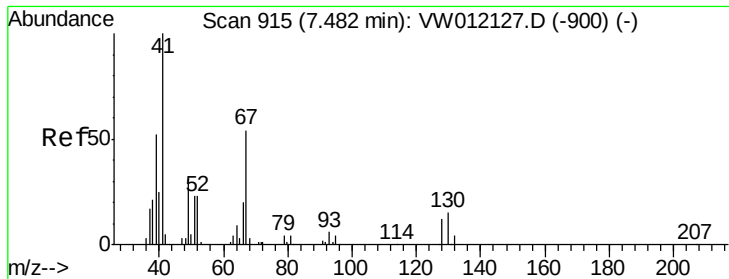
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.009 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012474.D
 Acq: 02 Sep 2019 03:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	23.8	35.8#

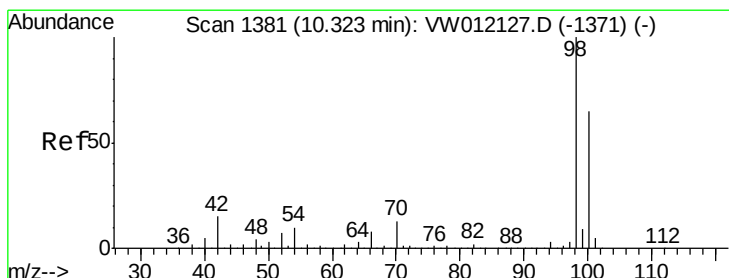
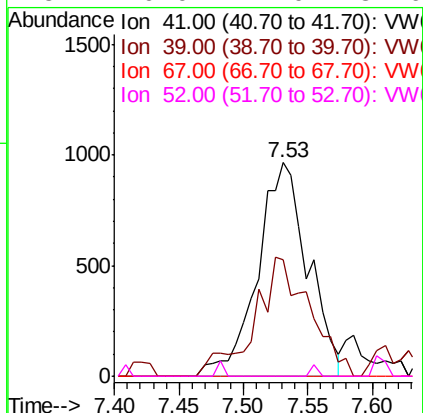
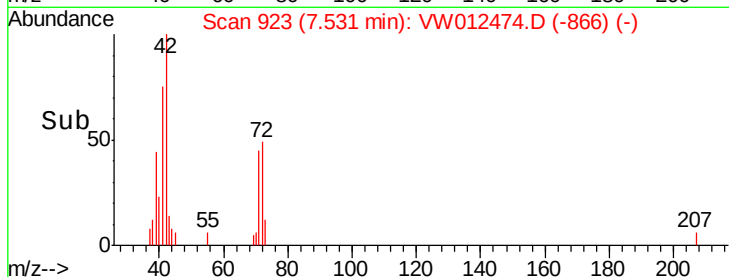
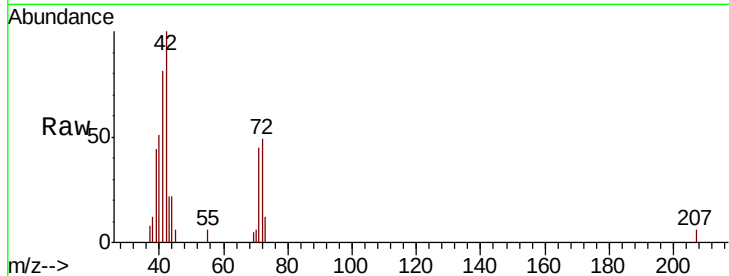




#41
Methacrylonitrile
Concen: 2.096 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

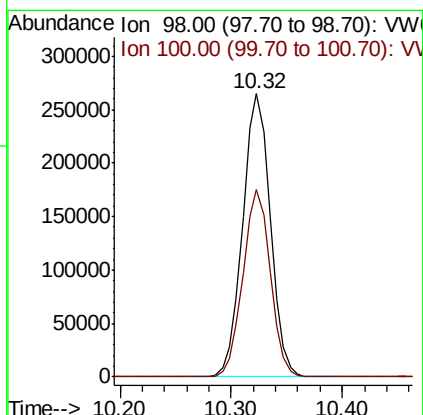
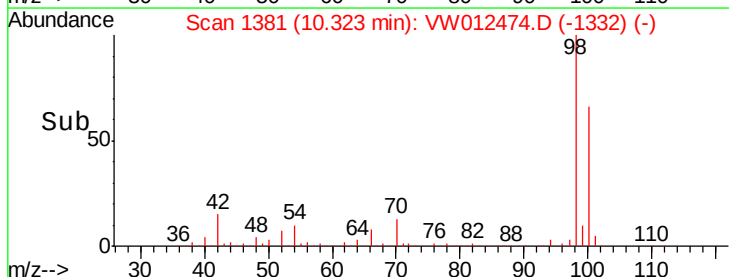
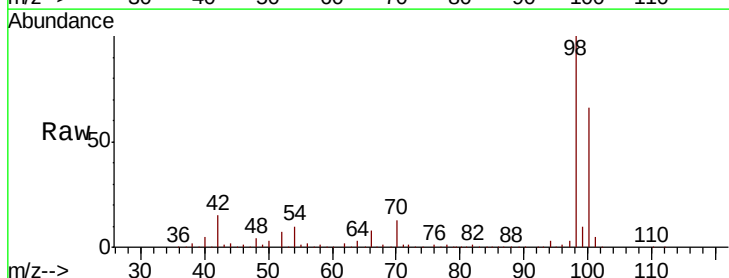
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-P-(1.9)

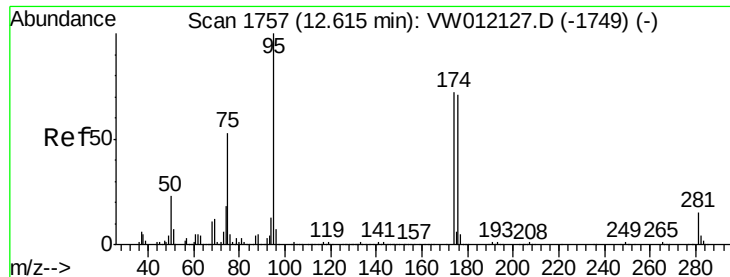
Tgt Ion:	41	Resp:	2626
Ion	Ratio	Lower	Upper
41	100		
39	60.7	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 50.120 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

Tgt Ion:	98	Resp:	456741
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6

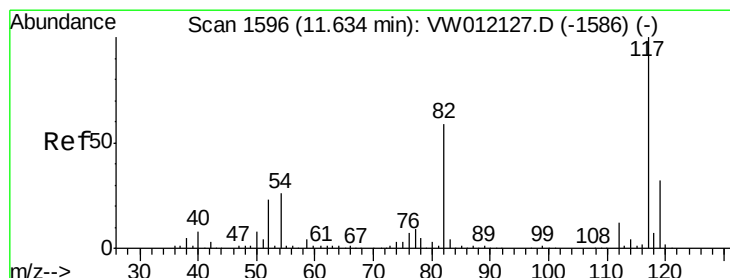
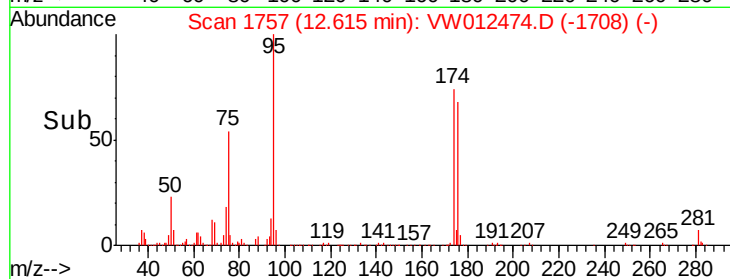
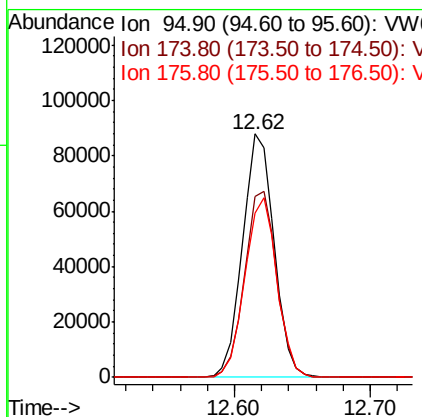
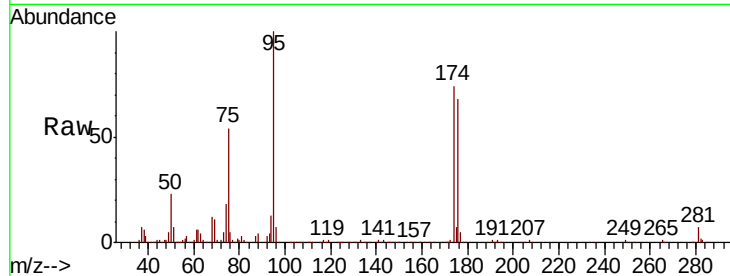




#62
4-Bromofluorobenzene
Concen: 44.350 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

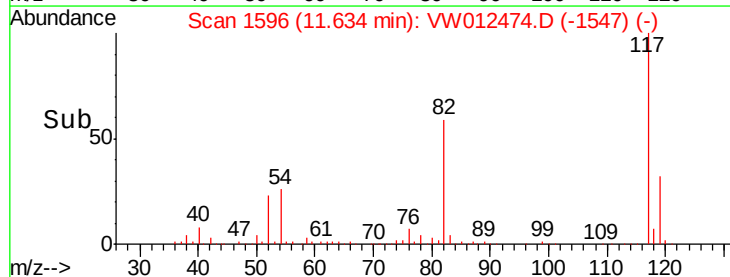
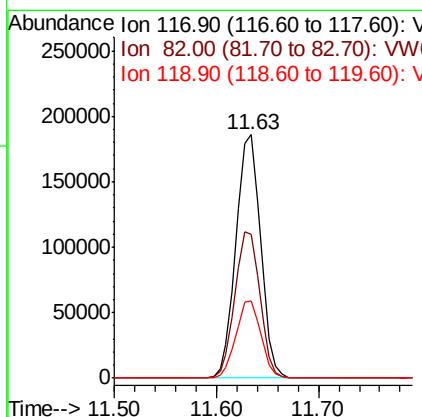
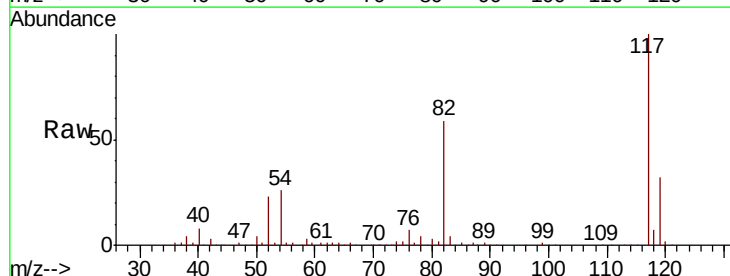
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-P-(1.9)

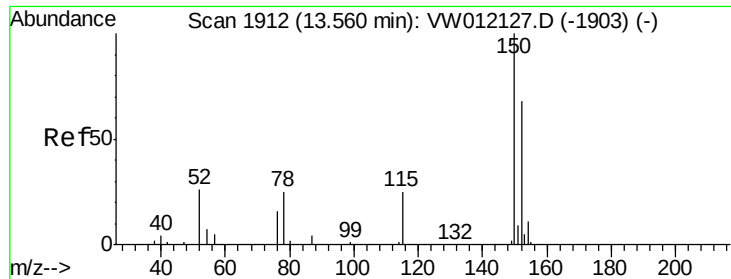
Tgt Ion	Resp	Lower	Upper
95	142466		
174	78.2	0.0	150.8
176	75.2	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

Tgt Ion	Resp	Lower	Upper
117	310864		
82	59.2	47.4	71.2
119	31.7	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012474.D

Acq: 02 Sep 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-P-(1.9)

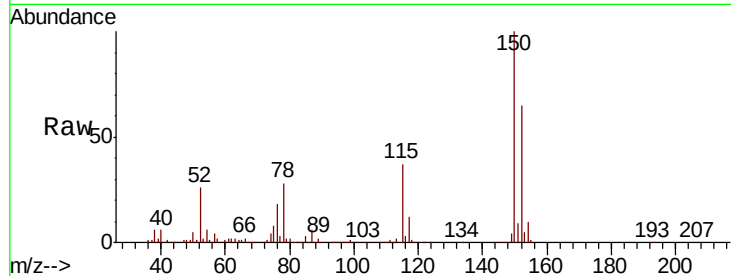
Tgt Ion:152 Resp: 123220

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

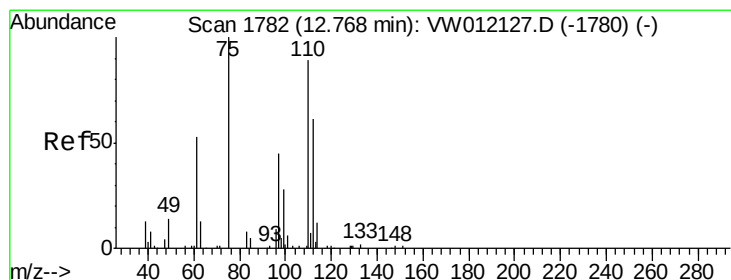
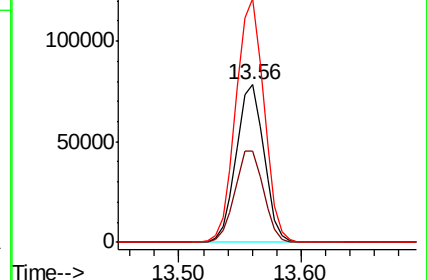
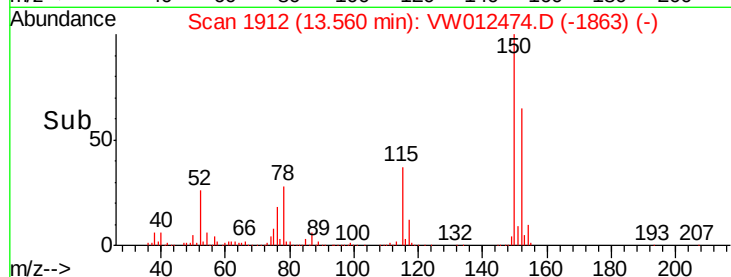
150 155.9 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 65.184 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012474.D

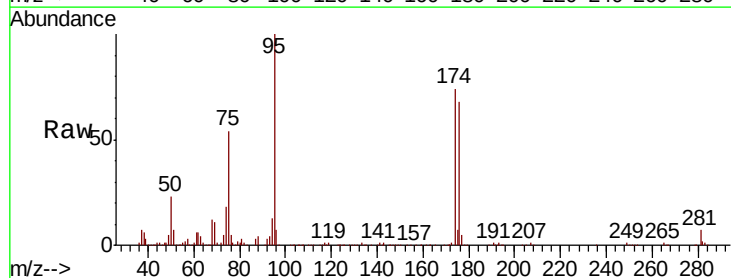
Acq: 02 Sep 2019 03:41

Tgt Ion: 75 Resp: 78226

Ion Ratio Lower Upper

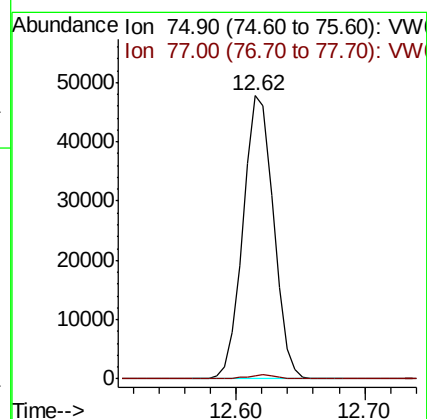
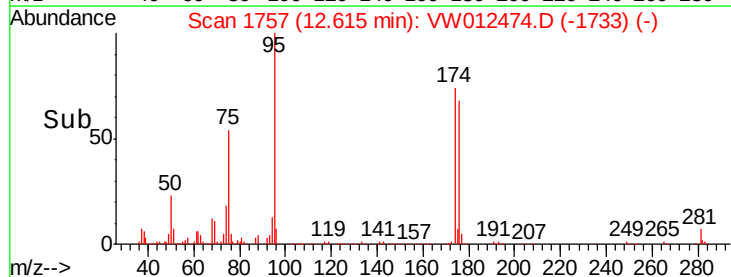
75 100

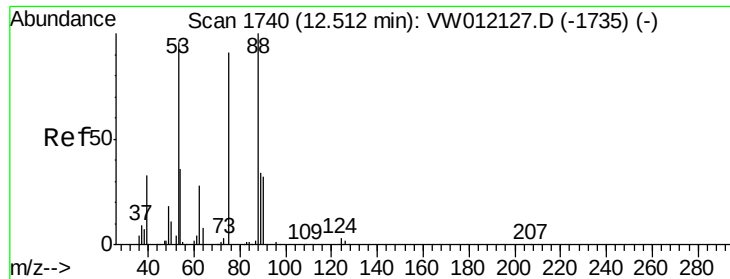
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

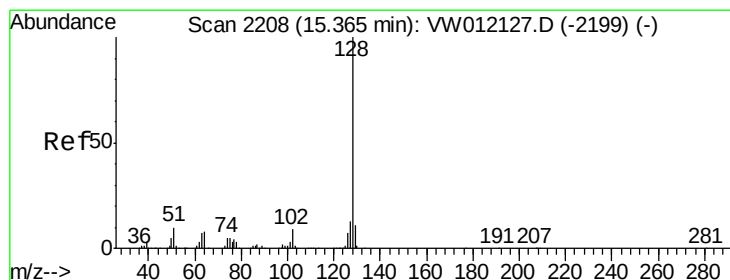
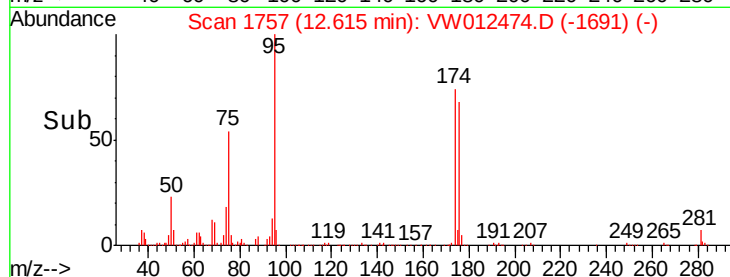
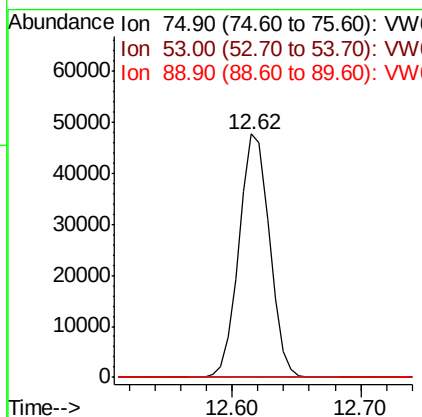
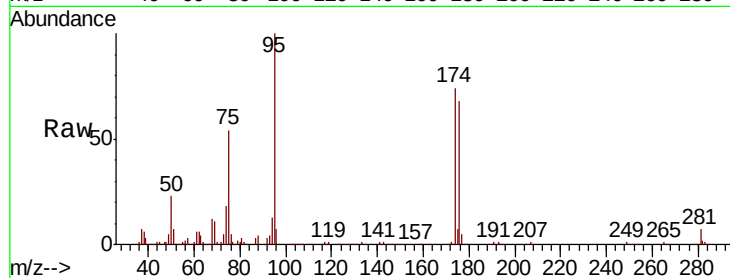




#81
trans-1,4-Dichloro-2-butene
Concen: 142.919 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

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

Tgt Ion: 75 Resp: 78226
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.355 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012474.D
Acq: 02 Sep 2019 03:41

Tgt Ion: 128 Resp: 171
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 14.0 8.7 13.1#

