

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012475.D
 Acq On : 02 Sep 2019 04:07
 Operator : SY/VA
 Sample : K4528-01
 Misc : 3.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q2-(0)

Quant Time: Sep 02 07:25:50 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	216901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102962	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	142401	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	7.88	113	111114	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.32	98	433371	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.62	95	129016	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

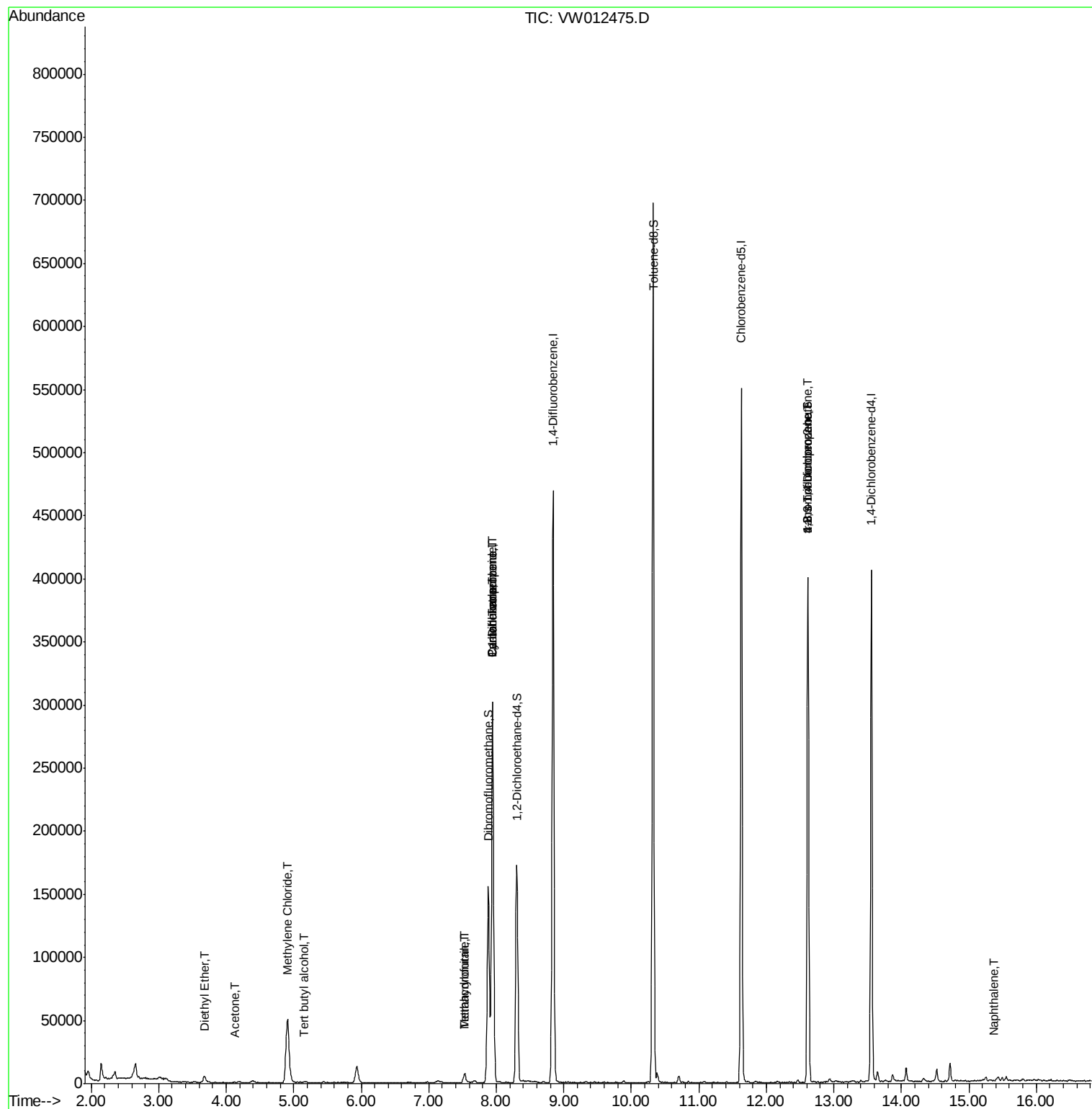
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2613	2.165	ug/l	89
11) Tert butyl alcohol	5.16	59	1221	7.869	ug/l #	82
16) Acetone	4.13	43	1379	2.092	ug/l	90
20) Methylene Chloride	4.91	84	36501	14.649	ug/l	98
29) Tetrahydrofuran	7.53	42	6264	11.657	ug/l	99
31) Cyclohexane	7.95	56	5921	1.275	ug/l #	5
36) 1,1-Dichloropropene	7.94	75	19079	5.186	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22348	7.018	ug/l #	16
41) Methacrylonitrile	7.53	41	3966	3.347	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	69457	69.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69457	151.865	ug/l #	6
95) Naphthalene	15.37	128	184	4.364	ug/l #	69

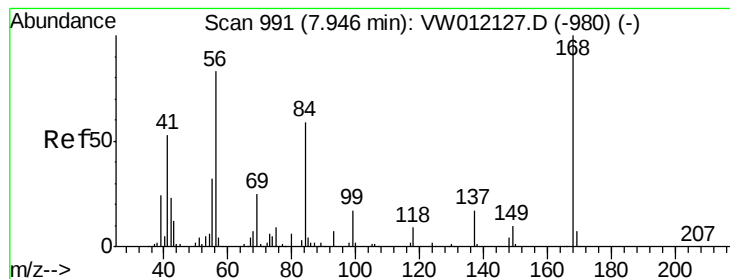
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012475.D

Acq: 02 Sep 2019 04:07

Instrument :

MSVOA_W

ClientSampleId :

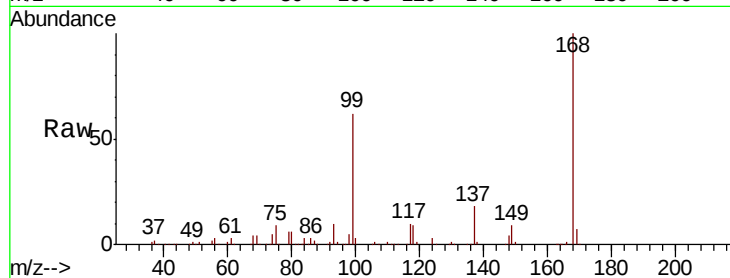
T9-12-13-Q2-(0)

Tgt Ion:168 Resp: 216901

Ion Ratio Lower Upper

168 100

99 61.8 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

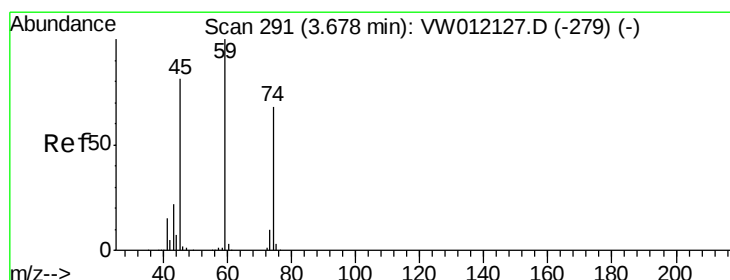
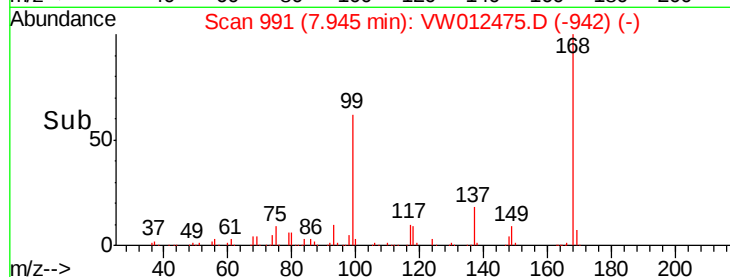
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.165 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012475.D

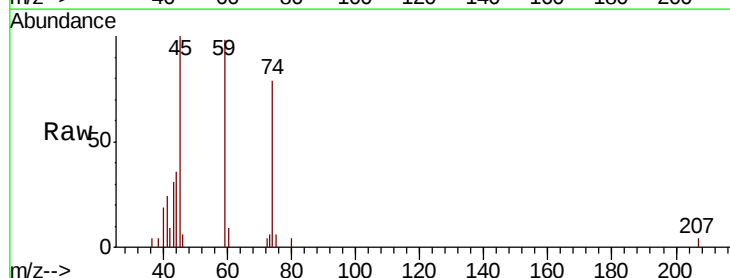
Acq: 02 Sep 2019 04:07

Tgt Ion: 74 Resp: 2613

Ion Ratio Lower Upper

74 100

45 130.3 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

1500

1000

500

0

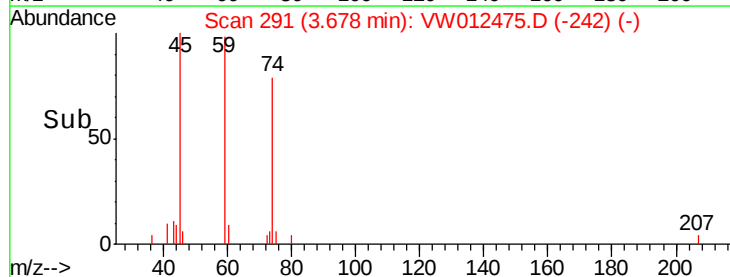
3.60

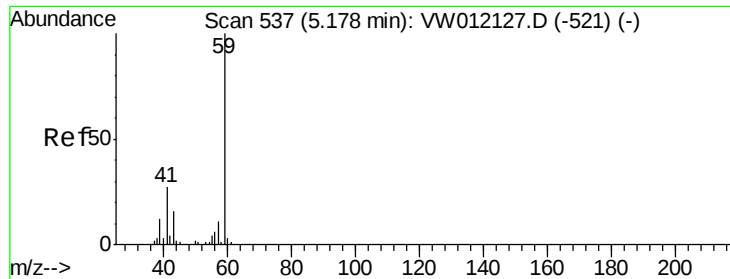
3.65

3.70

3.75

Time-->

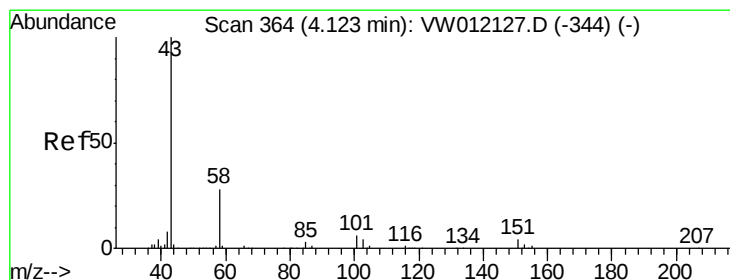
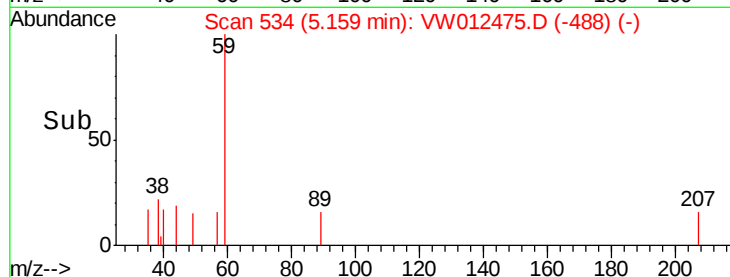
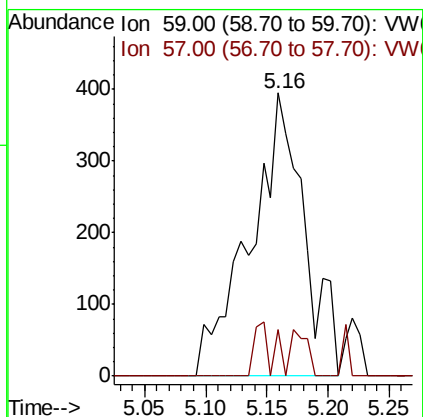
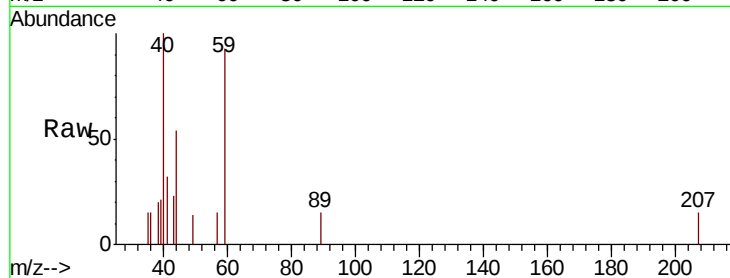




#11
Tert butyl alcohol
Concen: 7.869 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

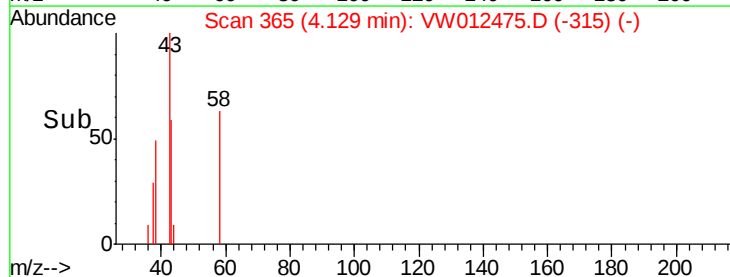
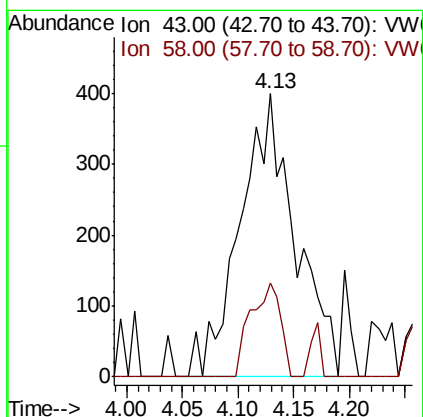
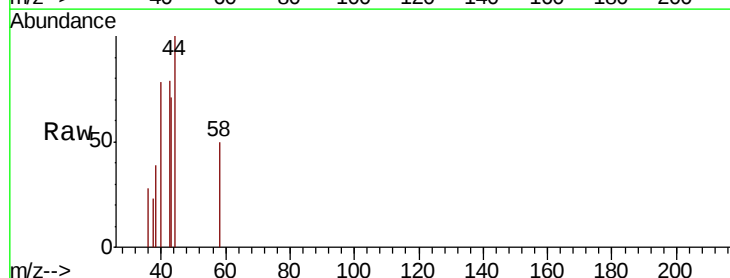
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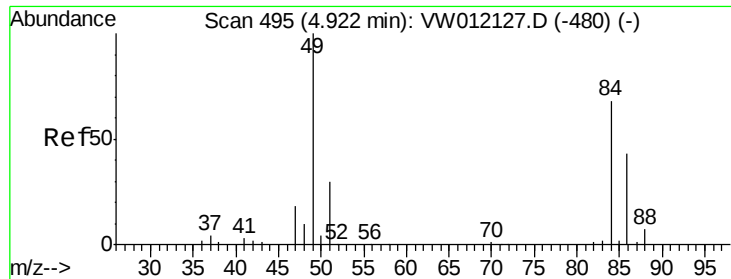
Tgt Ion: 59 Resp: 1221
Ion Ratio Lower Upper
59 100
57 4.3 9.0 13.4#



#16
Acetone
Concen: 2.092 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 33.3 22.4 33.6

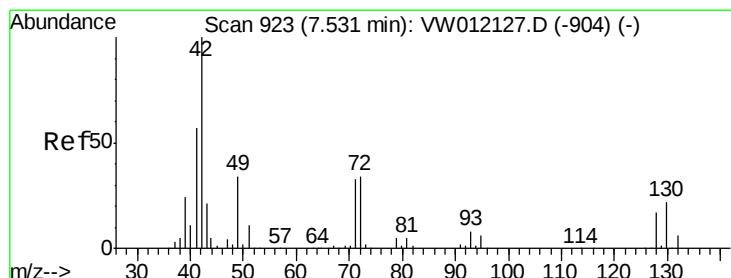
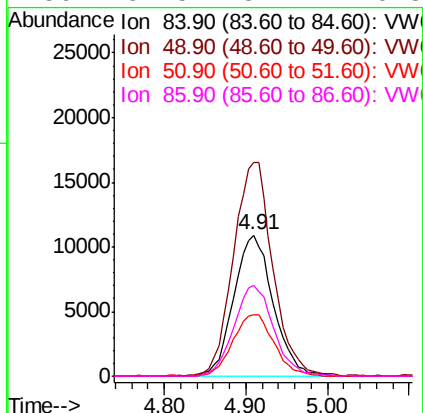
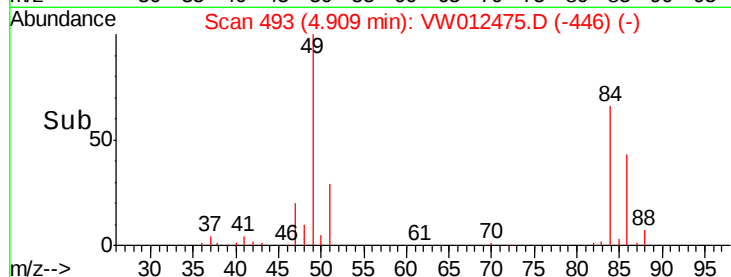
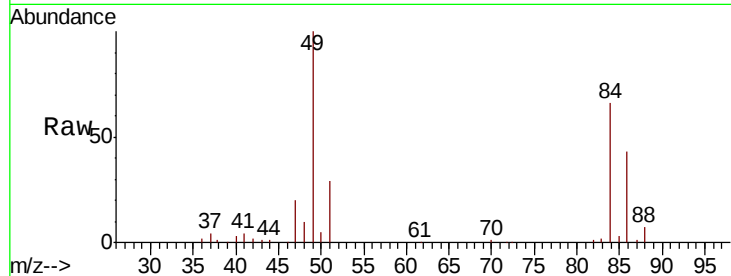




#20
Methylene Chloride
Concen: 14.649 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

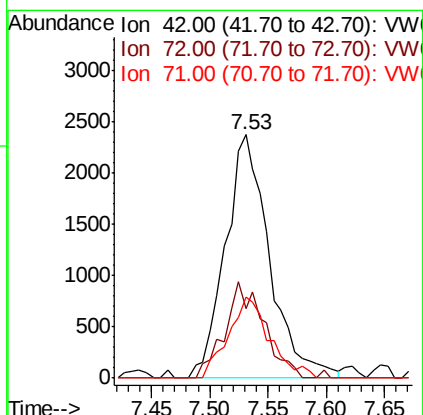
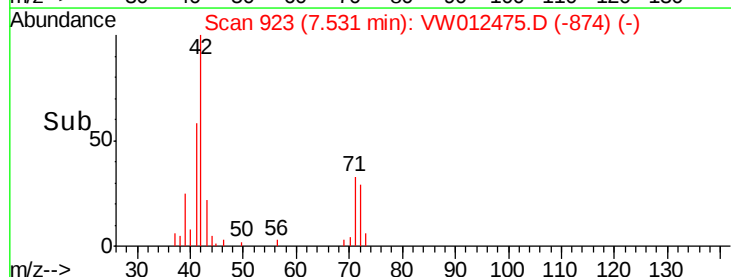
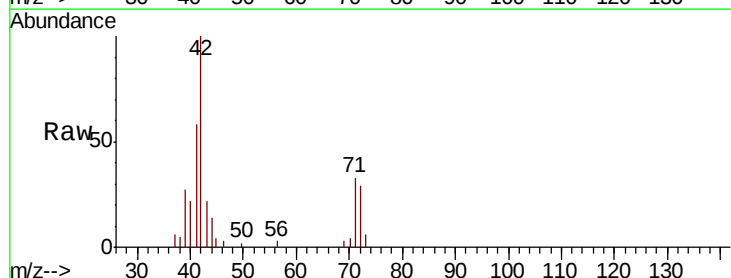
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(0)

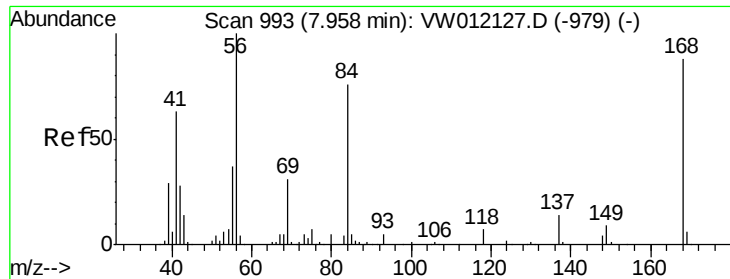
Tgt Ion: 84 Resp: 36501
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.8
51 43.8 35.6 53.4
86 64.5 51.2 76.8



#29
Tetrahydrofuran
Concen: 11.657 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Tgt Ion: 42 Resp: 6264
Ion Ratio Lower Upper
42 100
72 34.9 27.3 40.9
71 31.2 25.5 38.3

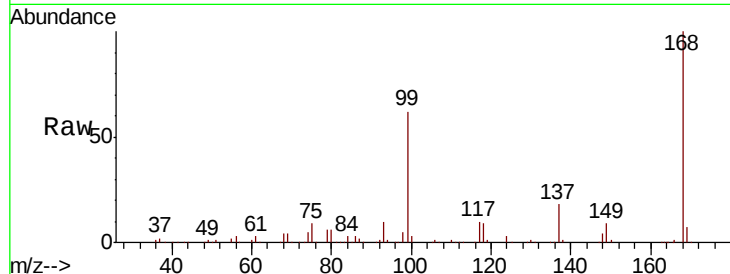




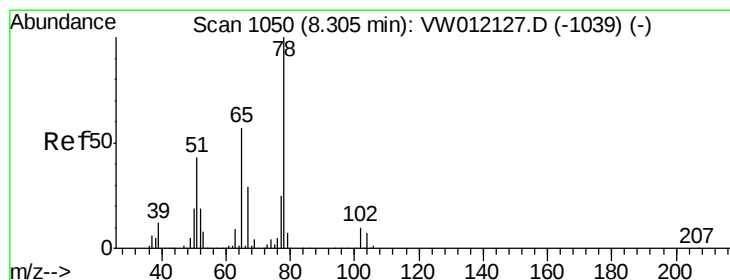
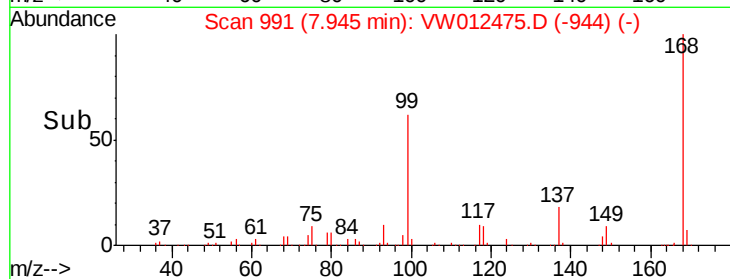
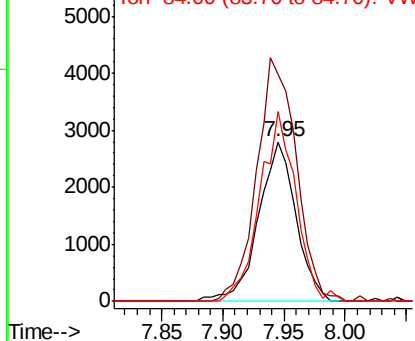
#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(0)

Tgt Ion: 56 Resp: 5921
Ion Ratio Lower Upper
56 100
69 142.7 24.9 37.3#
84 119.5 60.6 90.8#

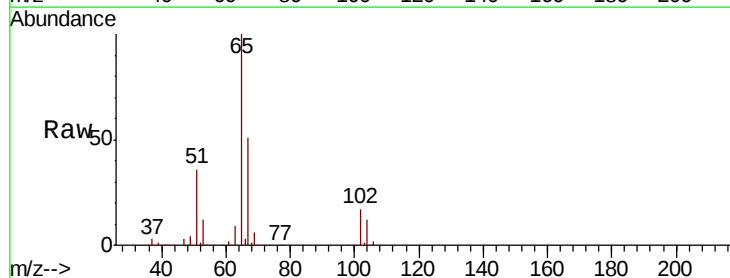


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

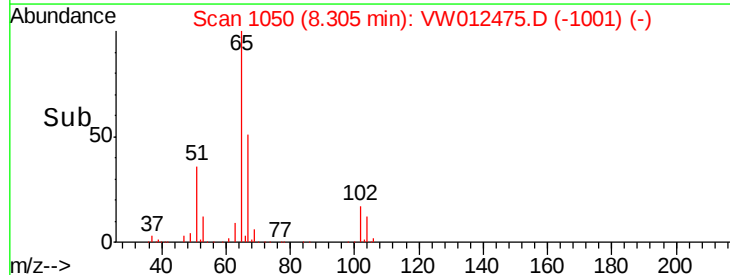
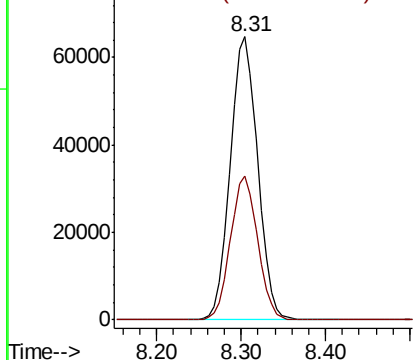


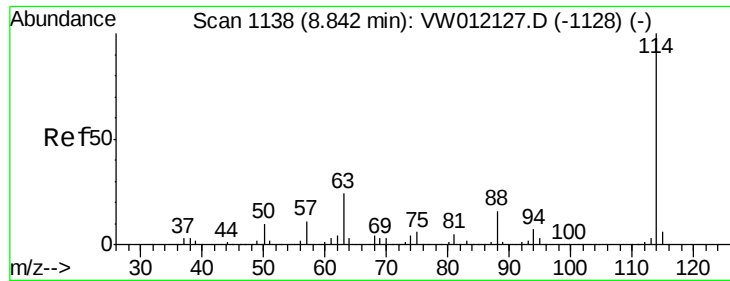
#33
1,2-Dichloroethane-d4
Concen: 55.228 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Tgt Ion: 65 Resp: 142401
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6



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

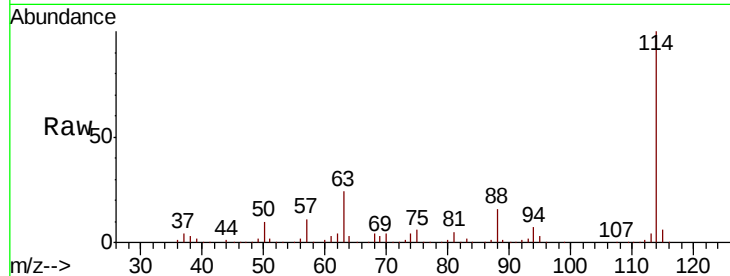




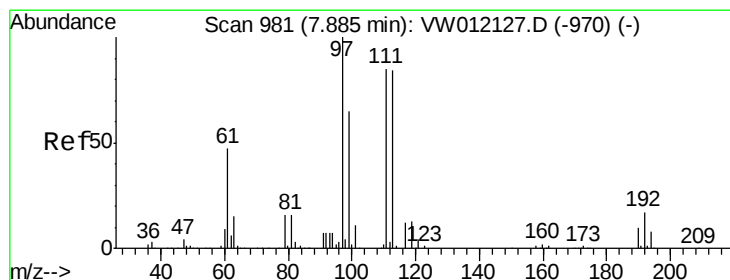
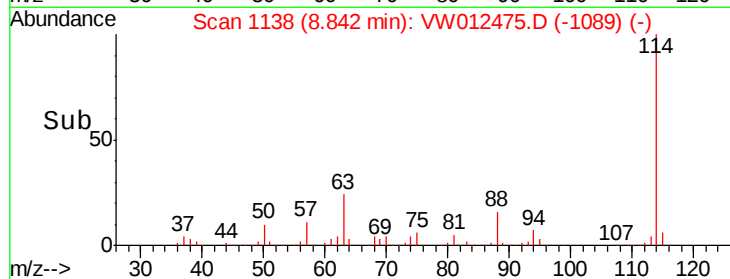
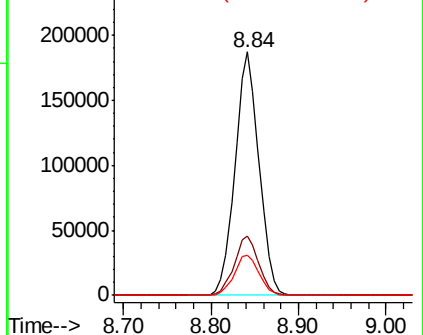
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012475.D
 Acq: 02 Sep 2019 04:07

Instrument :
 MSVOA_W
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Tgt Ion:114 Resp: 356007
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.3 0.0 32.2

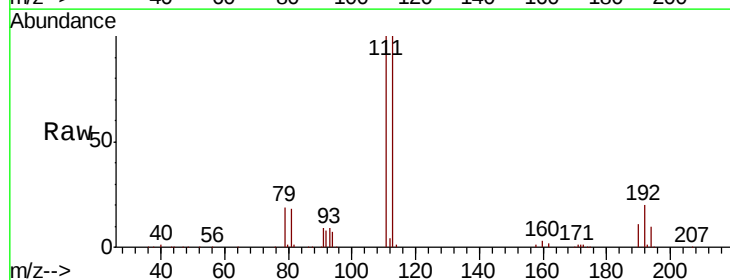


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

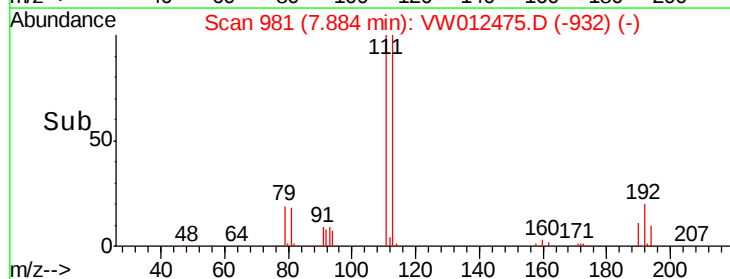
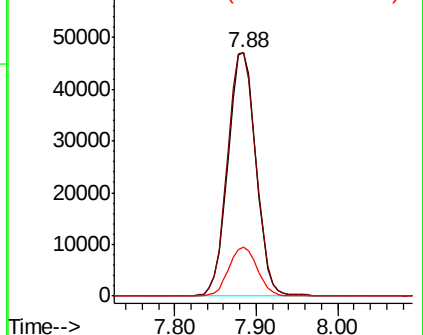


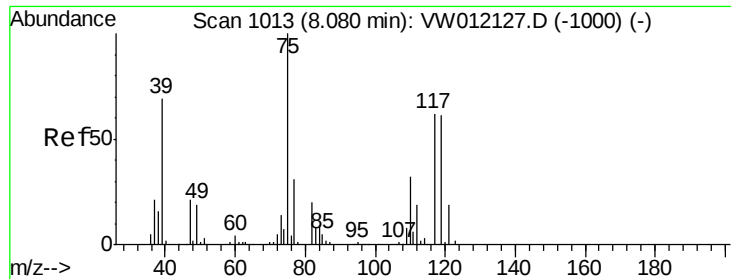
#35
 Dibromofluoromethane
 Concen: 52.289 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012475.D
 Acq: 02 Sep 2019 04:07

Tgt Ion:113 Resp: 111114
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 20.5 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

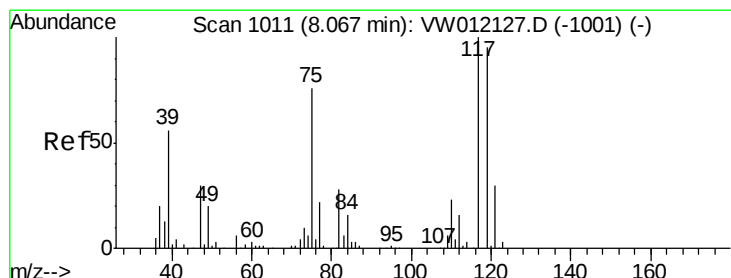
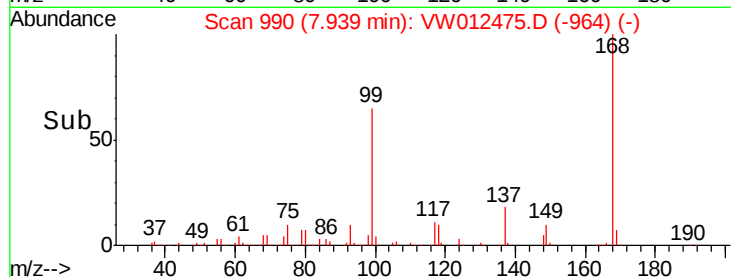
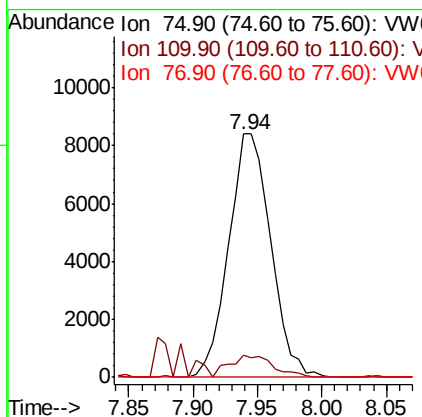
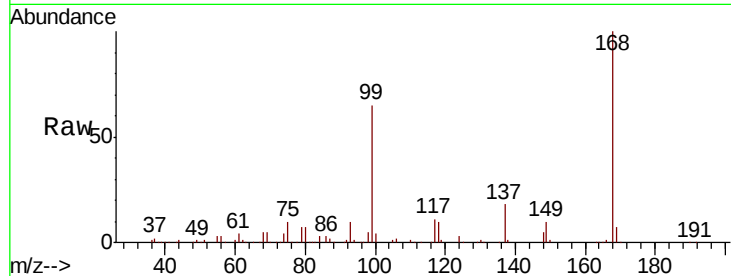




#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012475.D
 Acq: 02 Sep 2019 04:07

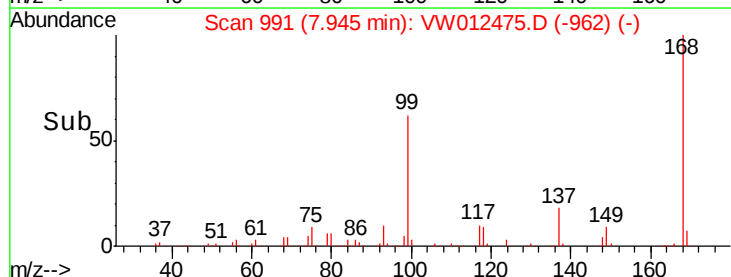
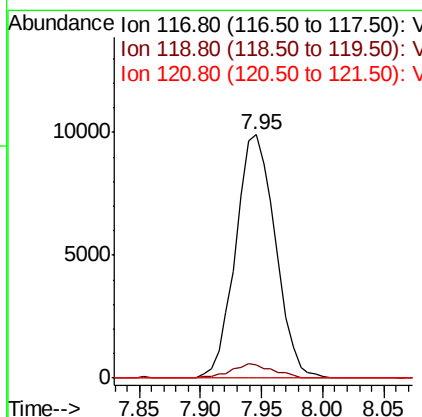
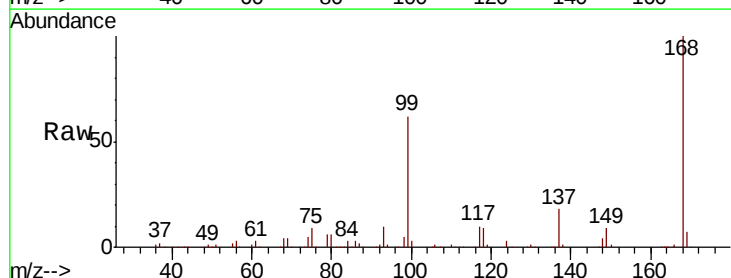
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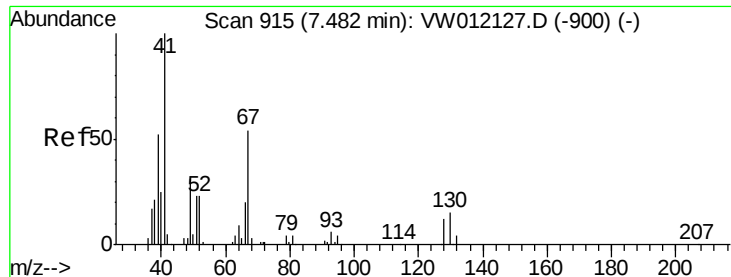
Tgt Ion: 75 Resp: 19079
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.018 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012475.D
 Acq: 02 Sep 2019 04:07

Tgt Ion: 117 Resp: 22348
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#

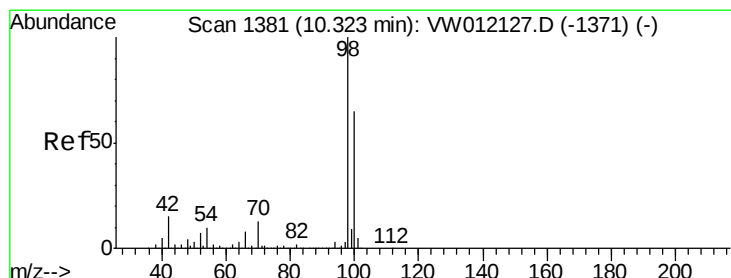
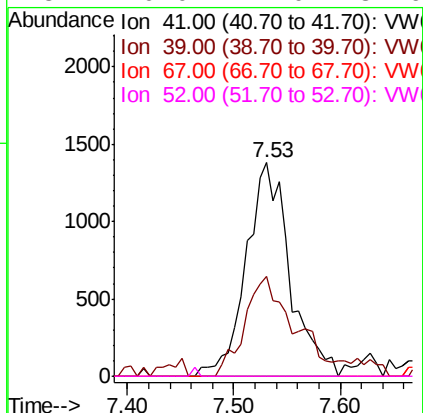
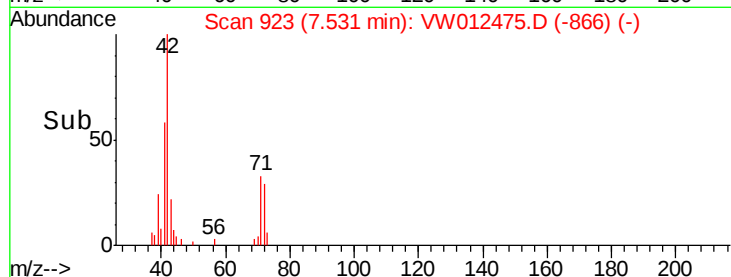
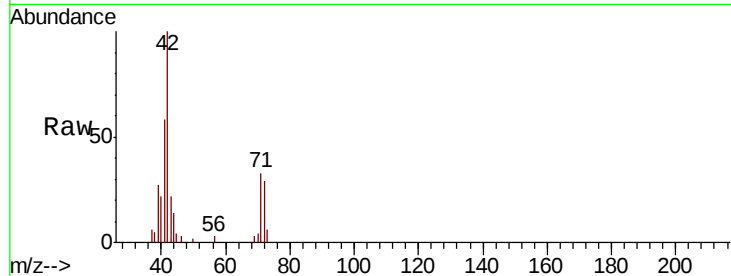




#41
Methacrylonitrile
Concen: 3.347 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

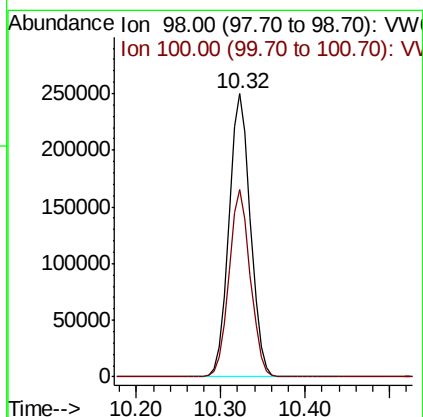
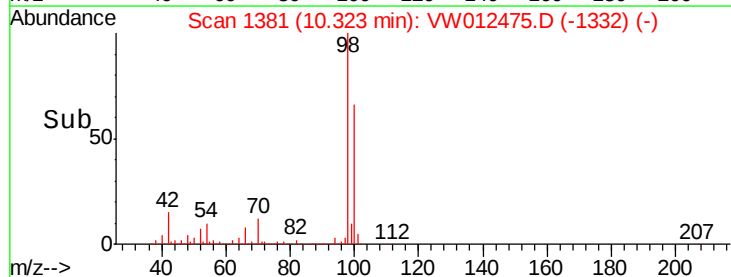
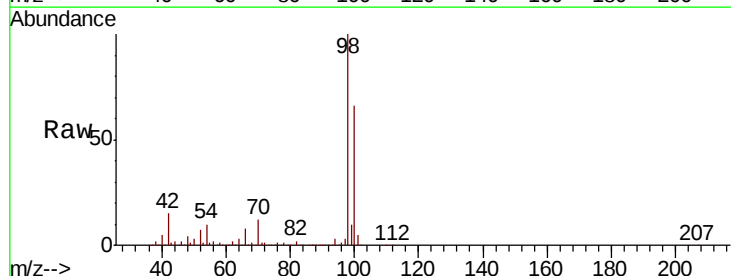
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T9-12-13-Q2-(0)

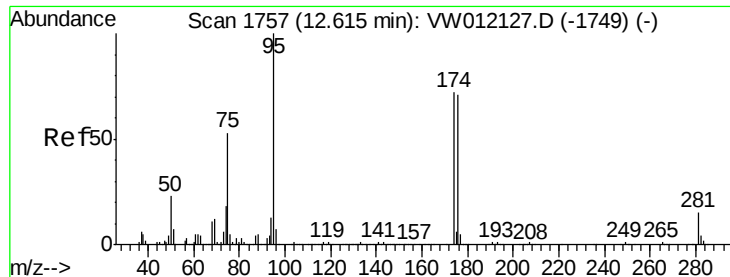
Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.2	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 50.297 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 42.478 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012475.D

Acq: 02 Sep 2019 04:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(0)

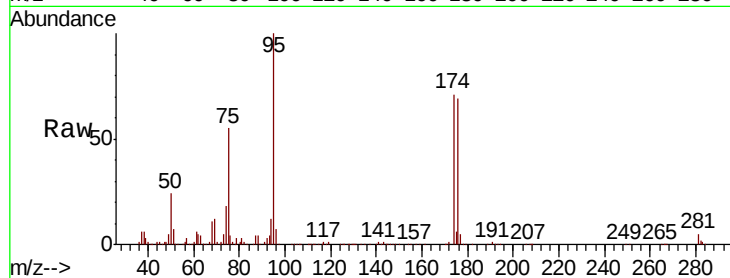
Tgt Ion: 95 Resp: 129016

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

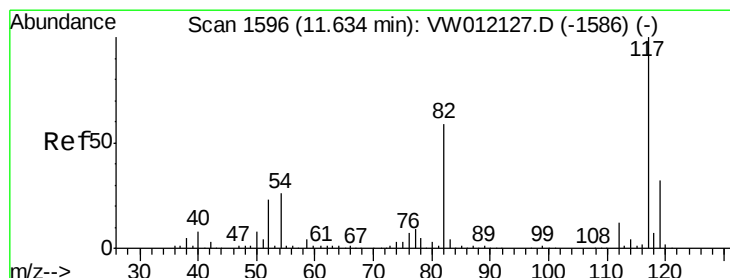
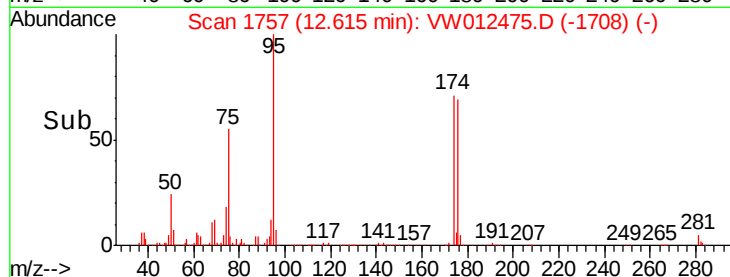
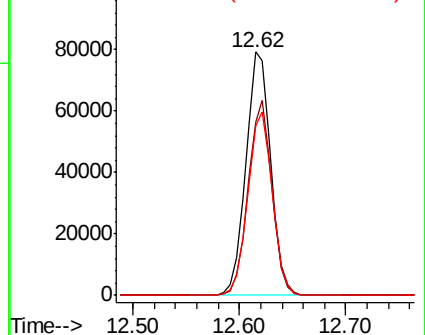
176 74.7 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012475.D

Acq: 02 Sep 2019 04:07

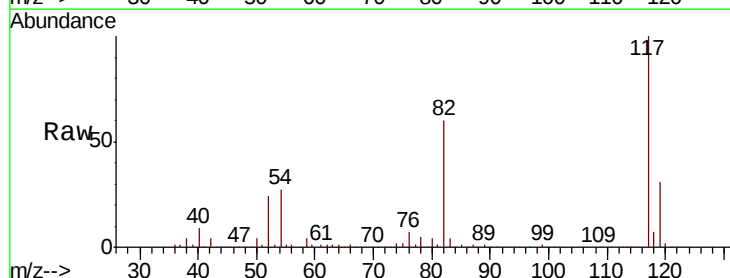
Tgt Ion: 117 Resp: 285637

Ion Ratio Lower Upper

117 100

82 60.4 47.4 71.2

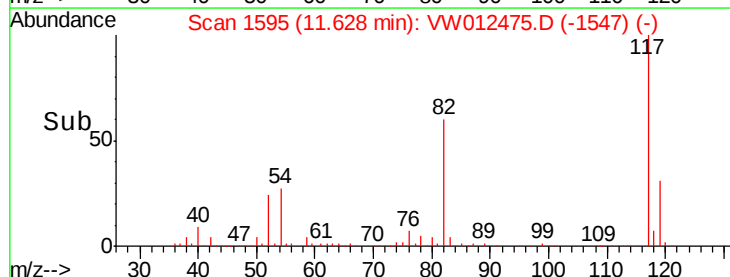
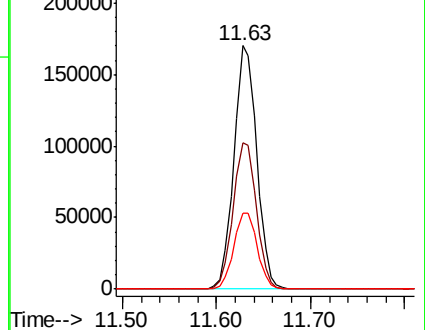
119 31.3 25.4 38.2

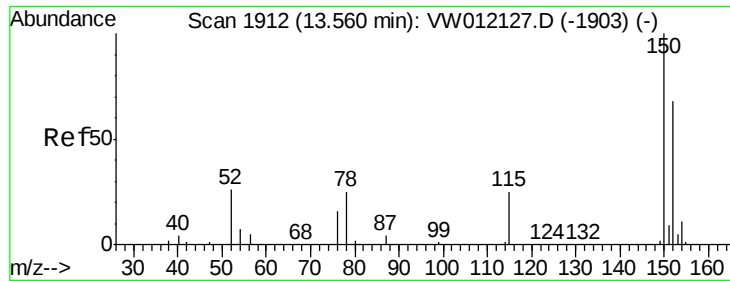


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012475.D

Acq: 02 Sep 2019 04:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(0)

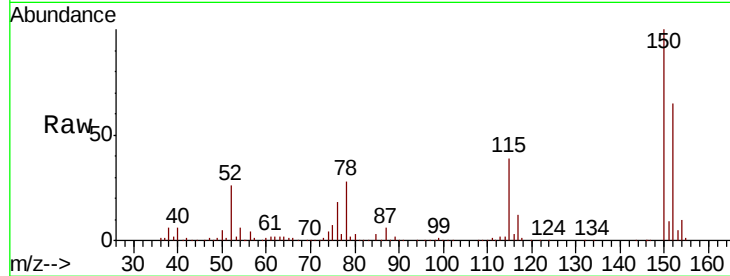
Tgt Ion:152 Resp: 102962

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

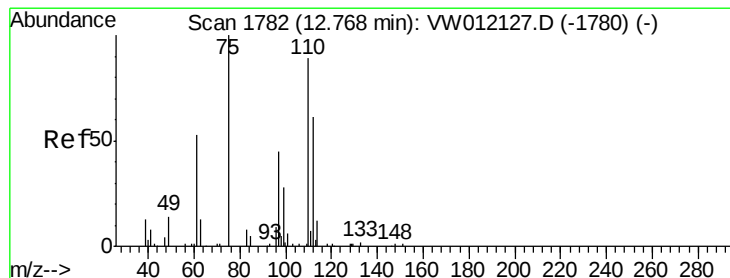
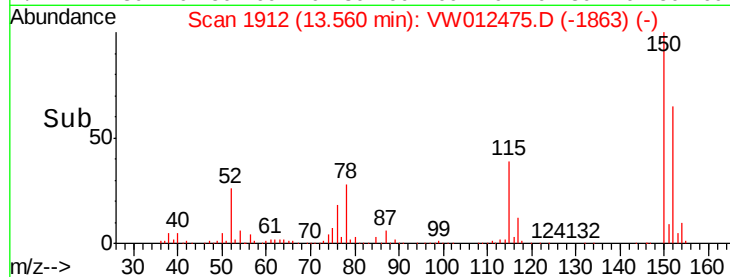
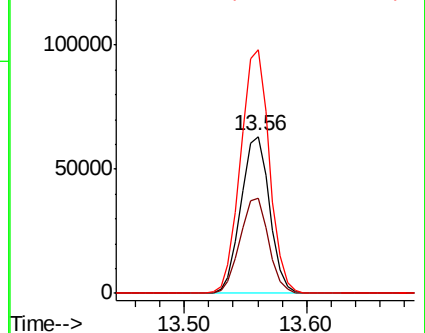
150 155.1 0.0 345.8



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: 69.265 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012475.D

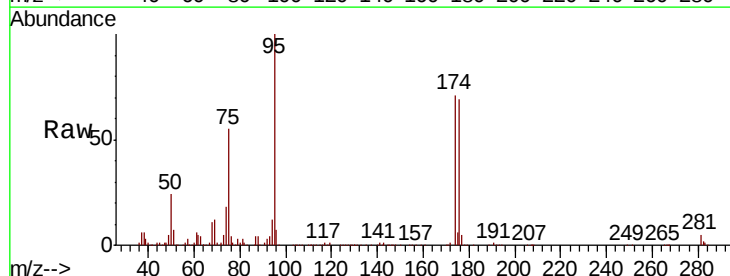
Acq: 02 Sep 2019 04:07

Tgt Ion: 75 Resp: 69457

Ion Ratio Lower Upper

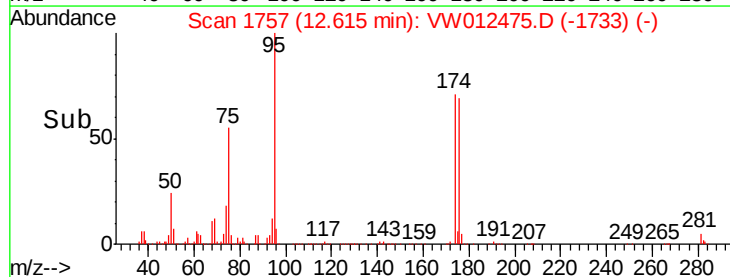
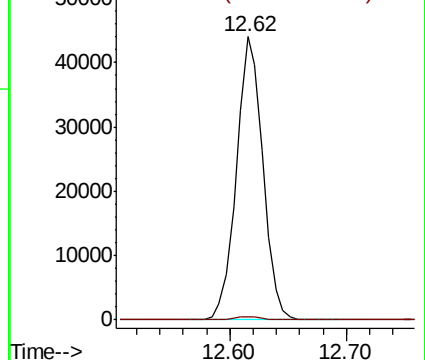
75 100

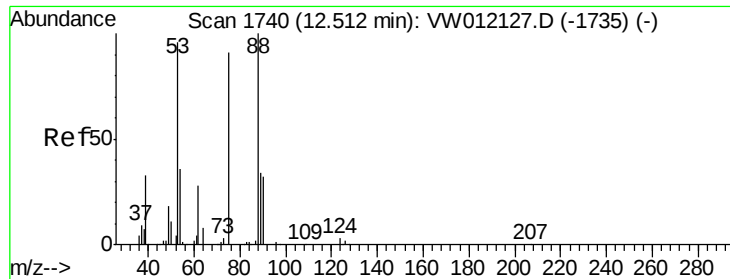
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

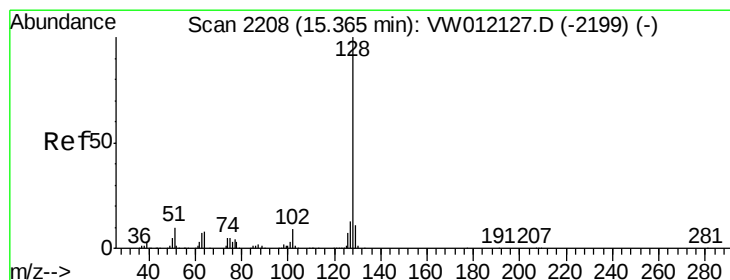
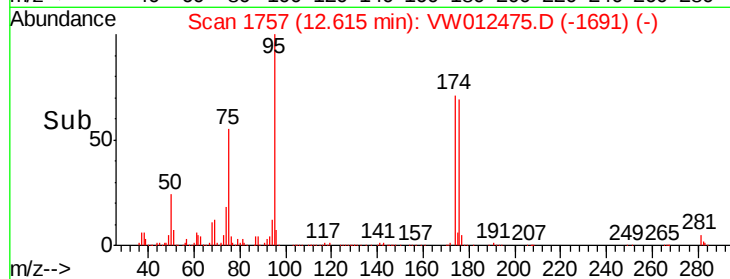
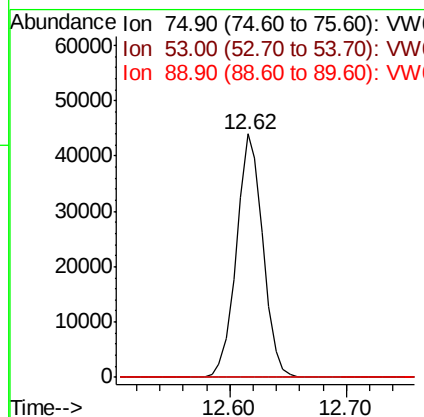
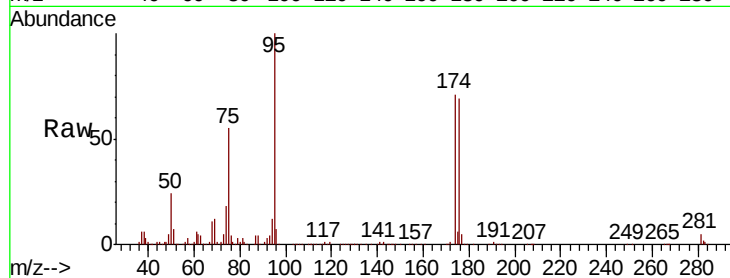




#81
trans-1,4-Dichloro-2-butene
Concen: 151.865 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(0)

Tgt Ion: 75 Resp: 69457
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.364 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012475.D
Acq: 02 Sep 2019 04:07

Tgt Ion: 128 Resp: 184
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

