

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012453.D
 Acq On : 01 Sep 2019 17:22
 Operator : SY/VA
 Sample : K4516-04RE
 Misc : 5.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(2.5)RE

Quant Time: Sep 02 07:19:55 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

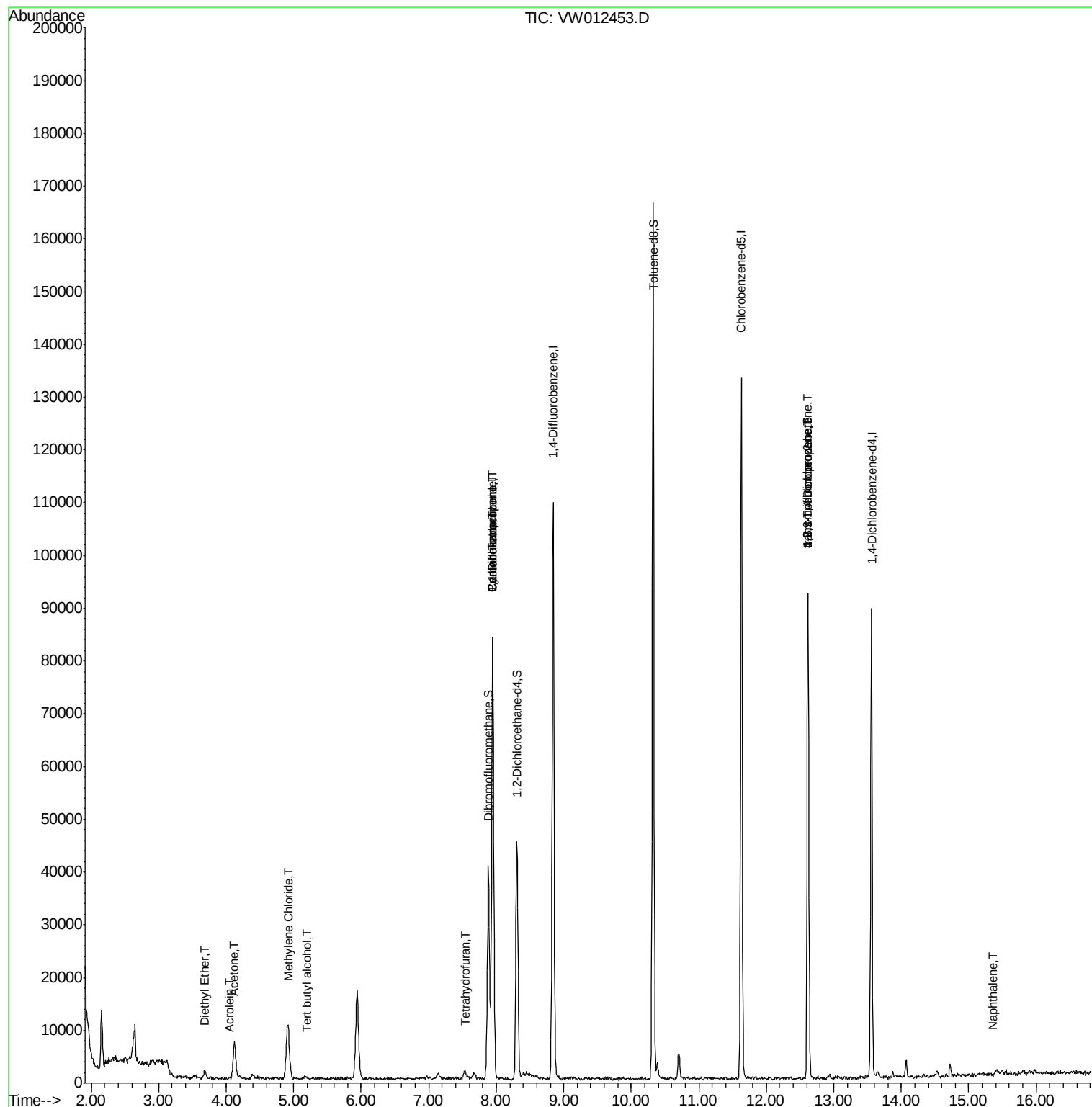
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	84324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36363	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
35) Dibromofluoromethane	7.88	113	27618	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
50) Toluene-d8	10.32	98	103458	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	28593	39.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.50%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	673	2.074	ug/l	87
11) Tert butyl alcohol	5.18	59	125	2.996	ug/l #	87
13) Acrolein	4.05	56	48	1.222	ug/l	83
16) Acetone	4.12	43	13267	74.865	ug/l	93
20) Methylene Chloride	4.92	84	7352	10.974	ug/l	87
29) Tetrahydrofuran	7.54	42	1299	8.991	ug/l #	75
31) Cyclohexane	7.95	56	1705	1.365	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5456	6.261	ug/l #	52
38) Carbon Tetrachloride	7.95	117	6176	8.189	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	15873	73.870	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15873	161.962	ug/l #	6
95) Naphthalene	15.36	128	38	4.363	ug/l #	69

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

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T1-S-B3-(2.5)RE

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Quant Title : SW846 8260
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# 992

Delta R.T. 0.01 min

Lab File: VW012453.D

Acq: 01 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

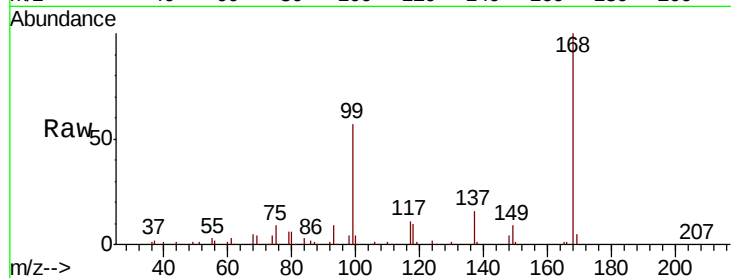
T1-S-B3-(2.5)RE

Tgt Ion:168 Resp: 58318

Ion Ratio Lower Upper

168 100

99 57.2 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

30000

25000

20000

15000

10000

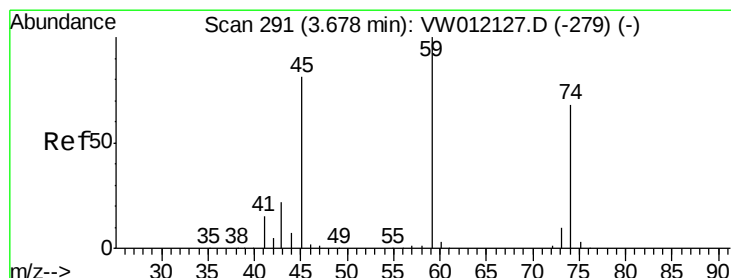
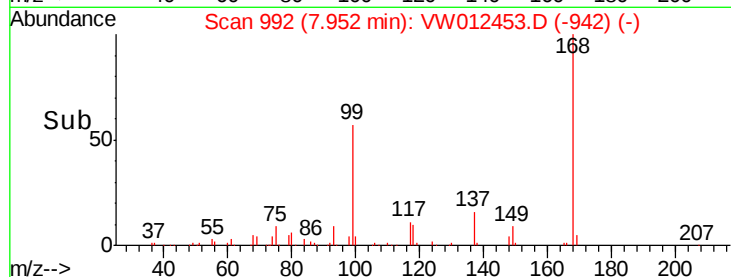
5000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.074 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012453.D

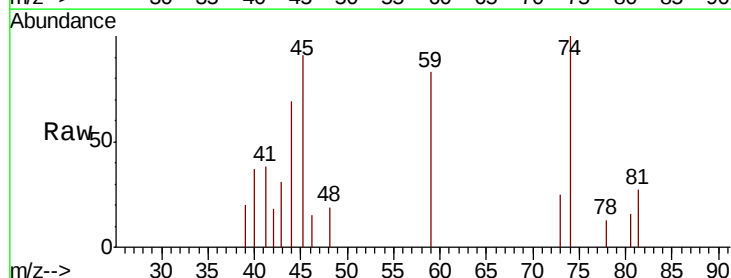
Acq: 01 Sep 2019 17:22

Tgt Ion: 74 Resp: 673

Ion Ratio Lower Upper

74 100

45 132.8 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

400

300

200

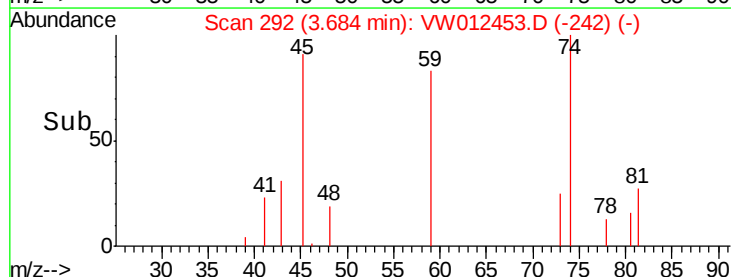
100

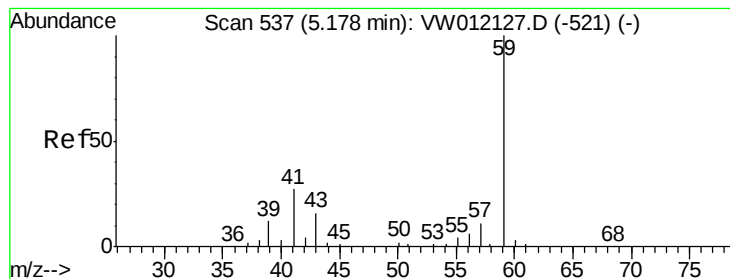
0

3.65

3.70

Time-->



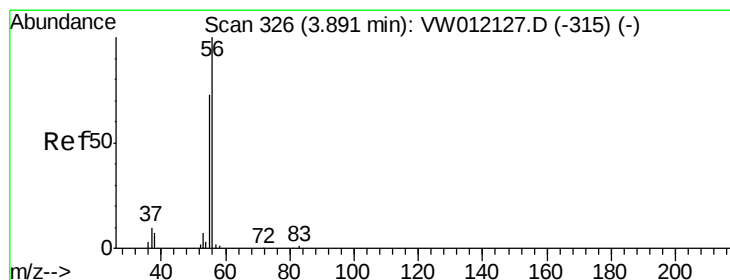
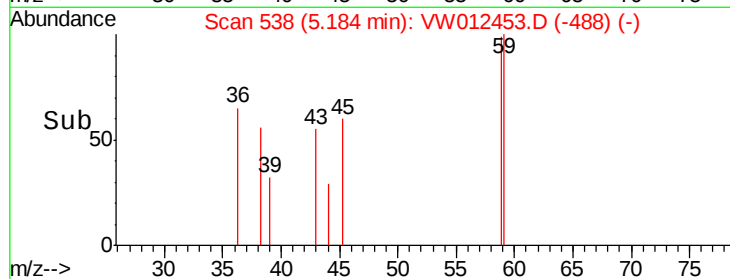
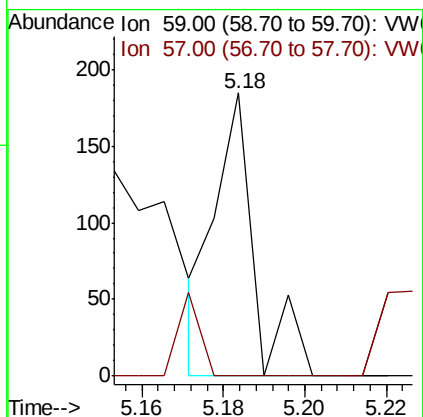
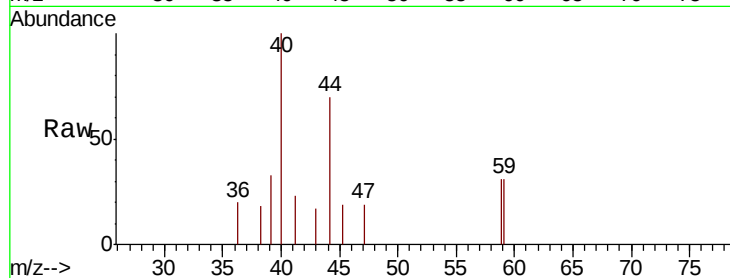


#11

Tert butyl alcohol
 Concen: 2.996 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(2.5)RE

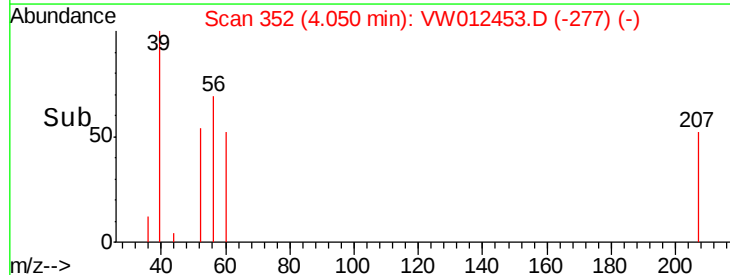
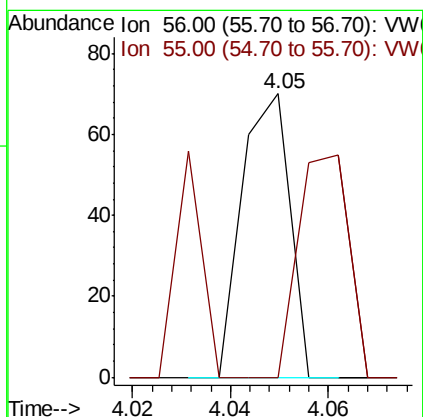
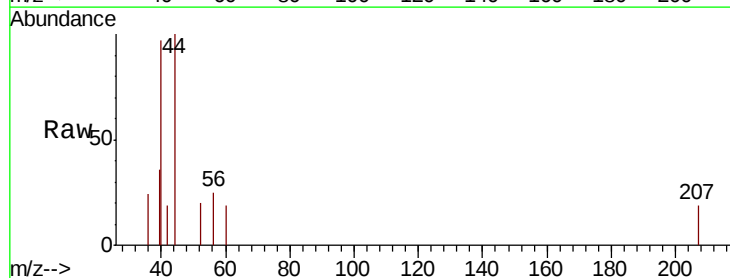
Tgt Ion: 59 Resp: 125
 Ion Ratio Lower Upper
 59 100
 57 16.0 9.0 13.4#

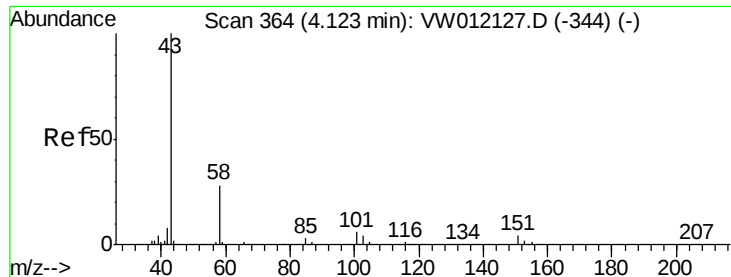


#13

Acrolein
 Concen: 1.222 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. 0.16 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Tgt Ion: 56 Resp: 48
 Ion Ratio Lower Upper
 56 100
 55 83.3 55.8 83.8





#16

Acetone

Concen: 74.865 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012453.D

Acq: 01 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

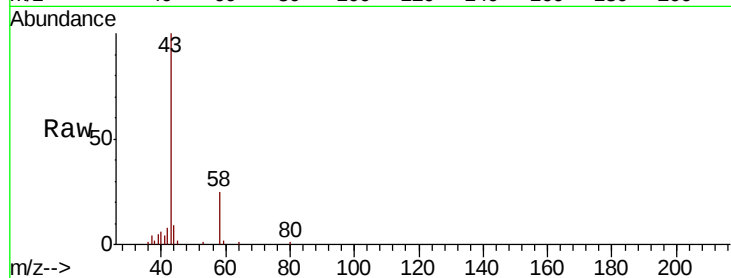
T1-S-B3-(2.5)RE

Tgt Ion: 43 Resp: 13267

Ion Ratio Lower Upper

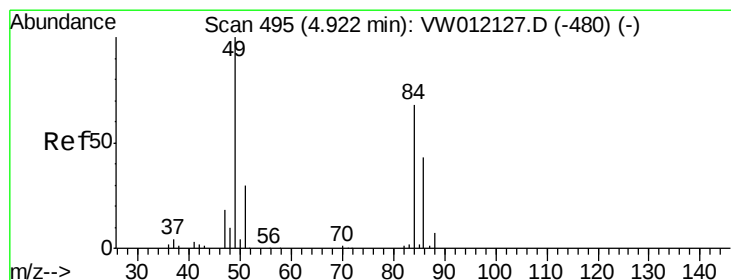
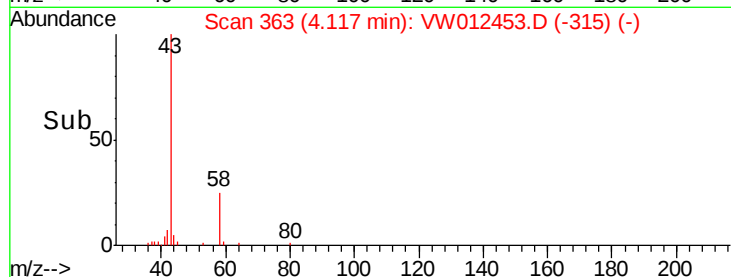
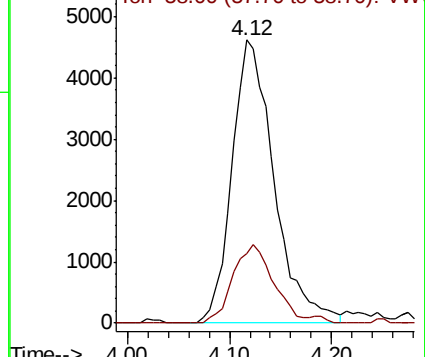
43 100

58 24.5 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: 10.974 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012453.D

Acq: 01 Sep 2019 17:22

Tgt Ion: 84 Resp: 7352

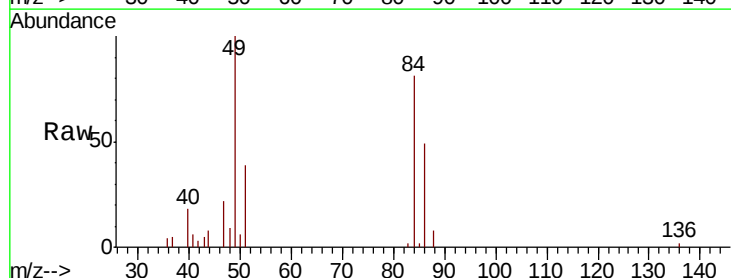
Ion Ratio Lower Upper

84 100

49 122.9 117.8 176.8

51 47.6 35.6 53.4

86 60.0 51.2 76.8

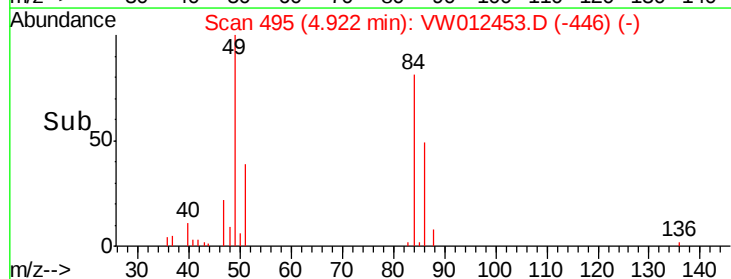
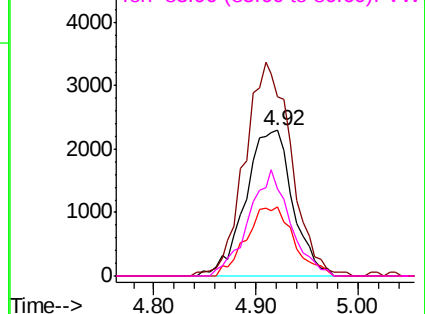


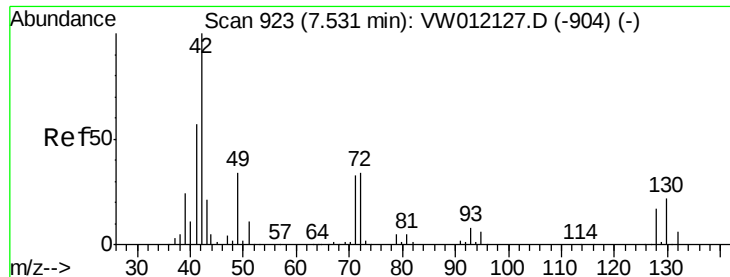
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 8.991 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012453.D

Acq: 01 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)RE

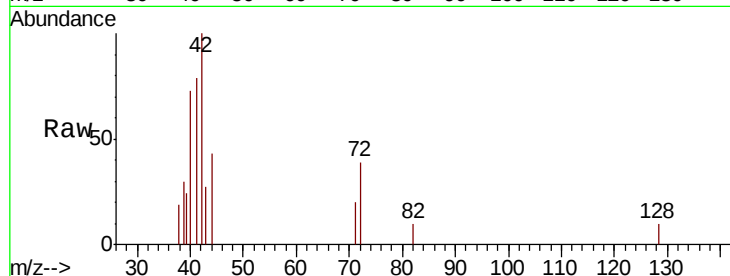
Tgt Ion: 42 Resp: 1299

Ion Ratio Lower Upper

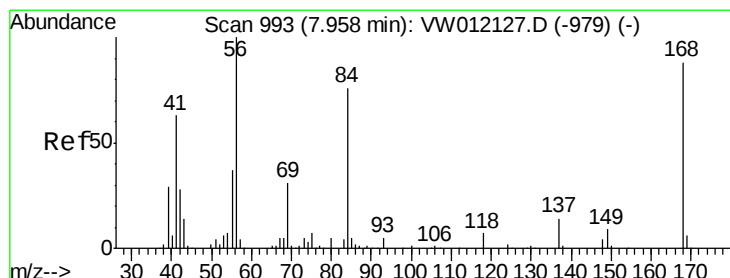
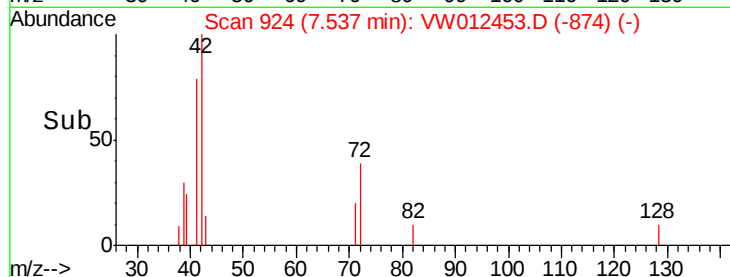
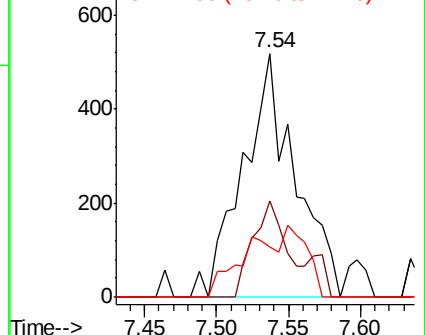
42 100

72 24.2 27.3 40.9#

71 13.5 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: 1.365 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012453.D

Acq: 01 Sep 2019 17:22

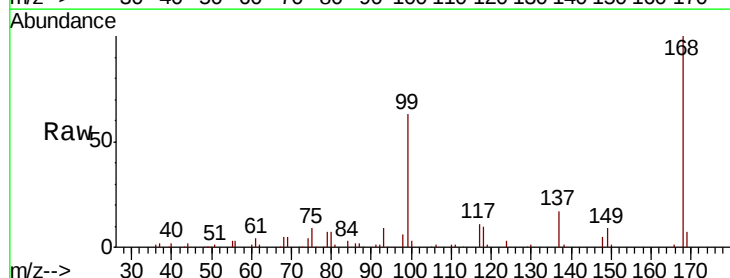
Tgt Ion: 56 Resp: 1705

Ion Ratio Lower Upper

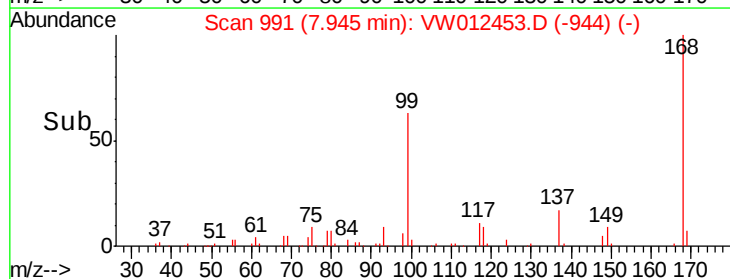
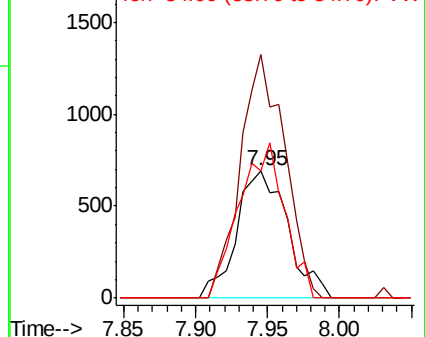
56 100

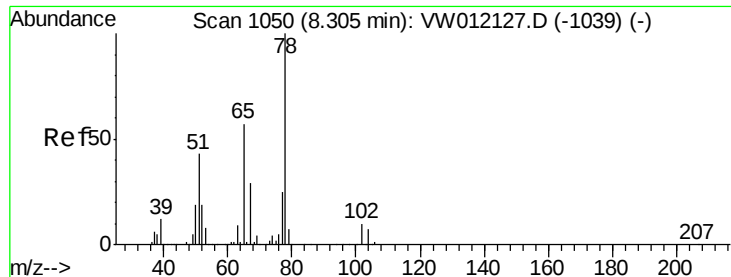
69 191.1 24.9 37.3#

84 99.6 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

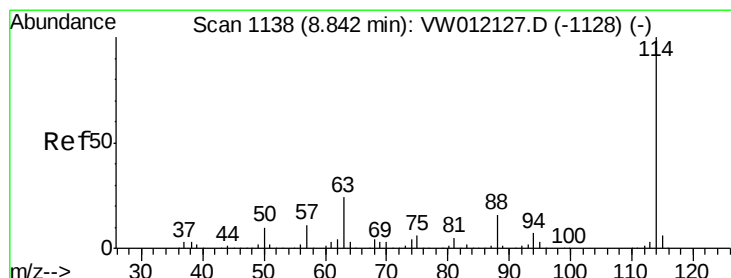
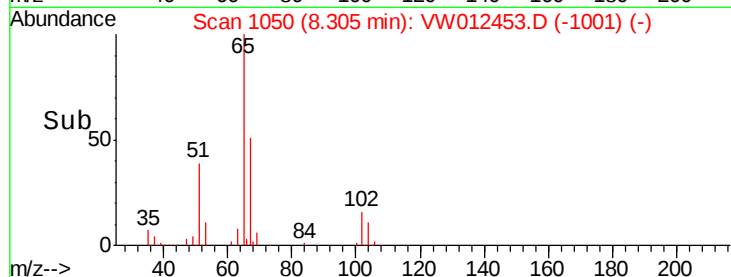
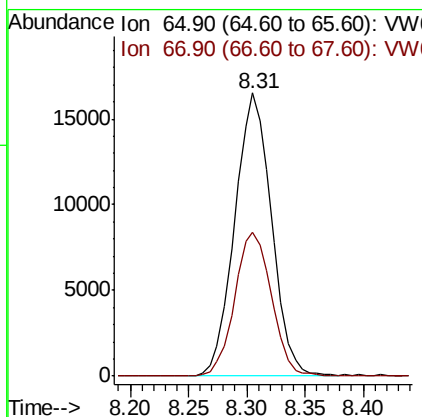
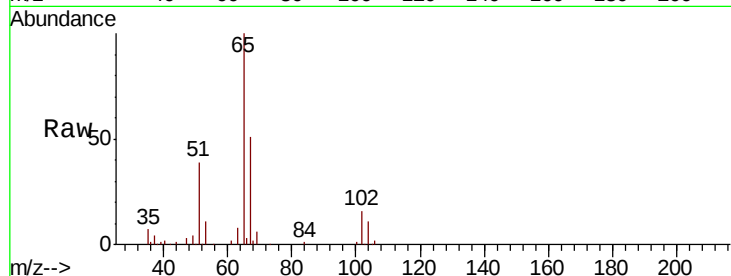




#33
 1,2-Dichloroethane-d4
 Concen: 52.452 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

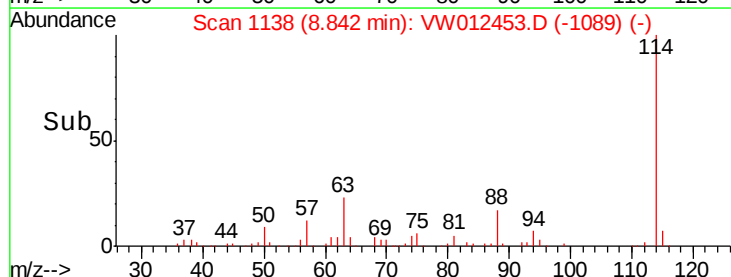
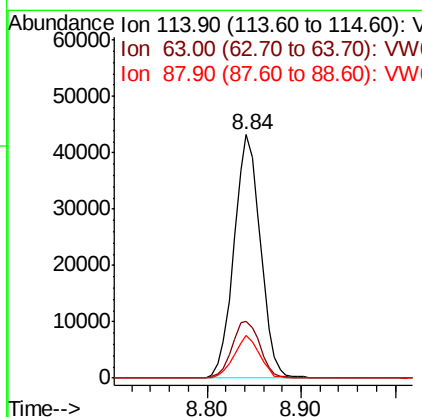
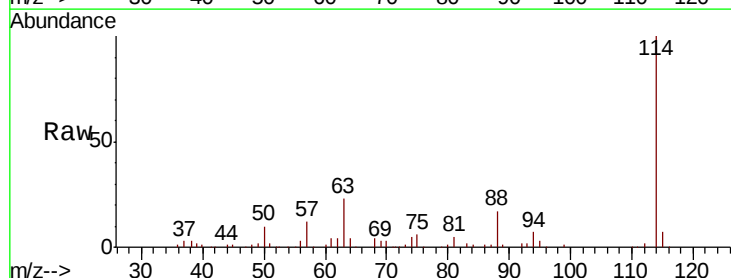
Instrument :
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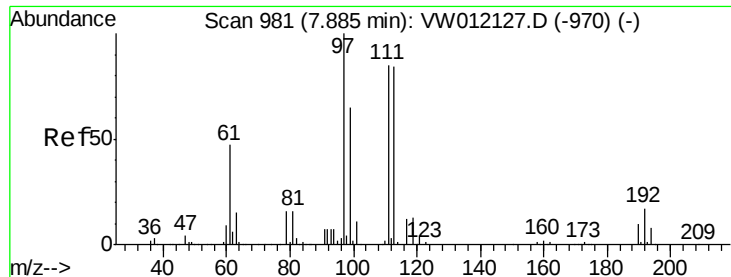
Tgt Ion: 65 Resp: 36363
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Tgt Ion: 114 Resp: 84324
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 17.4 0.0 32.2

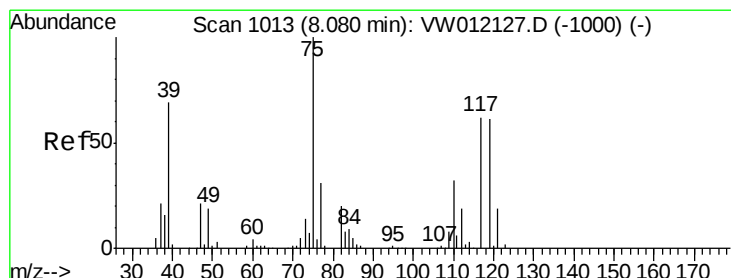
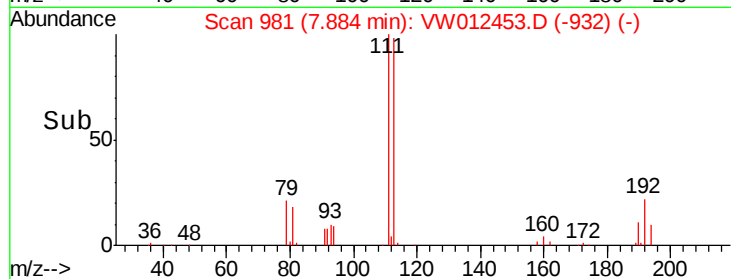
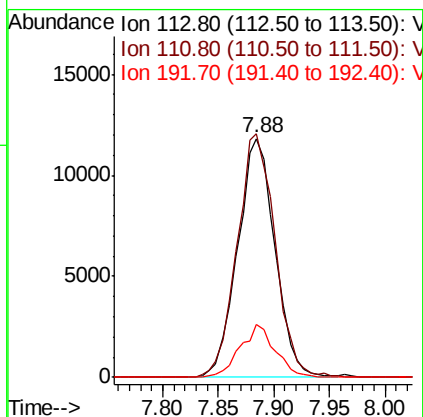
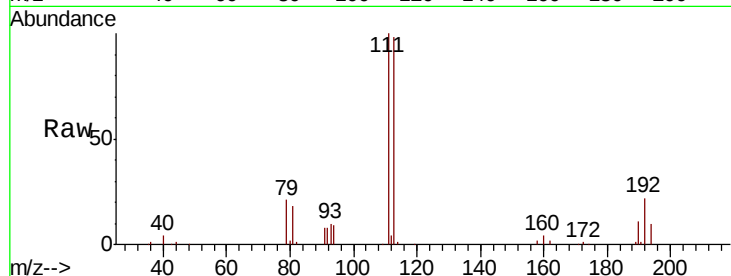




#35
 Dibromofluoromethane
 Concen: 54.870 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

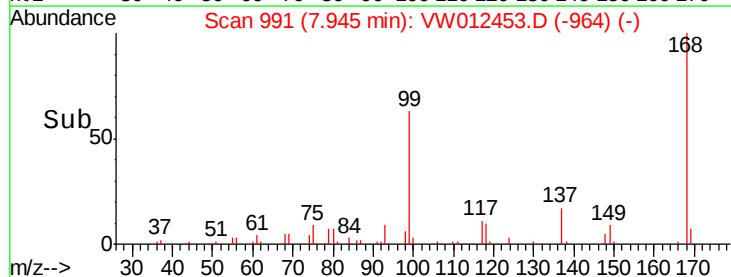
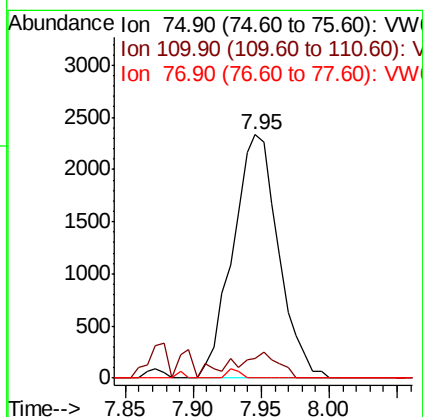
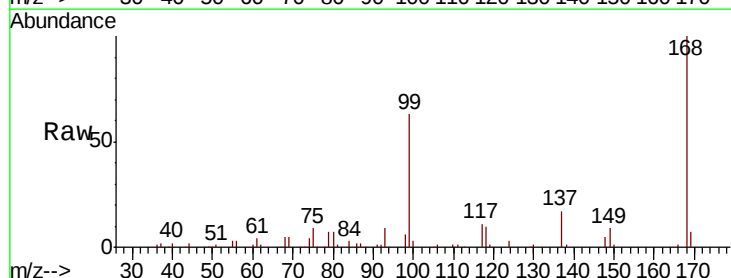
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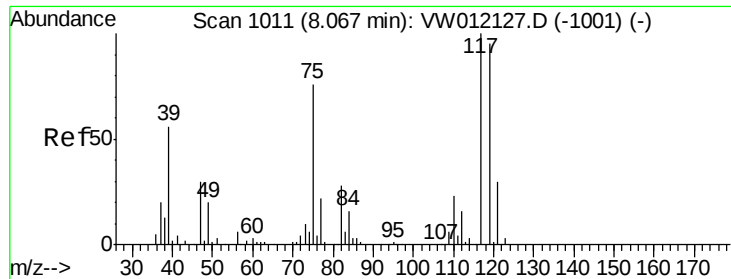
Tgt Ion:113 Resp: 27618
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 6.261 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Tgt Ion: 75 Resp: 5456
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.6 46.8#
 77 0.0 24.6 36.8#

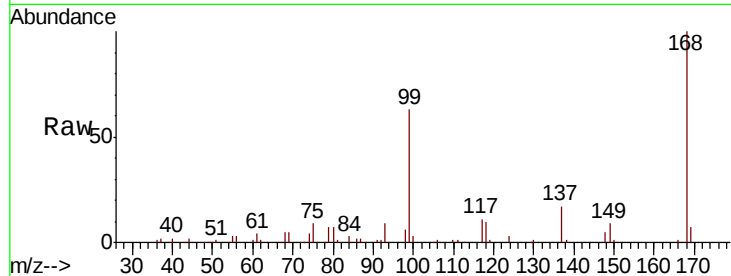




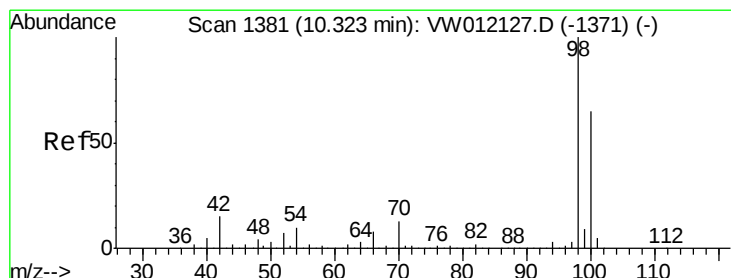
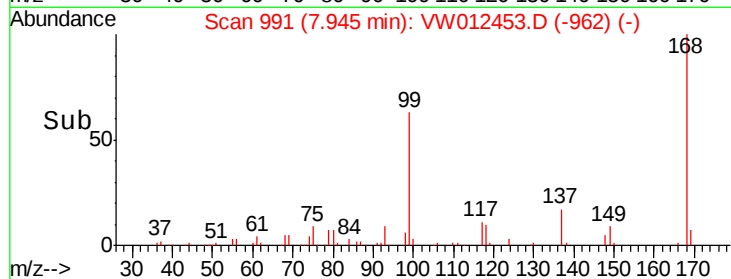
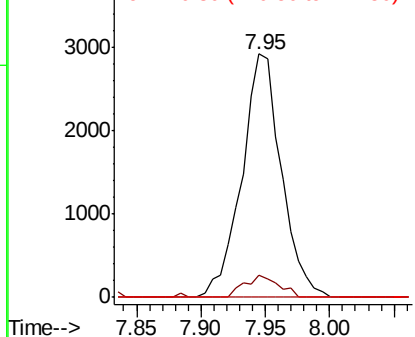
#38
Carbon Tetrachloride
Concen: 8.189 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012453.D
Acq: 01 Sep 2019 17:22

Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)RE

Tgt Ion: 117 Resp: 6176
Ion Ratio Lower Upper
117 100
119 9.3 76.2 114.2#
121 0.0 23.8 35.8#

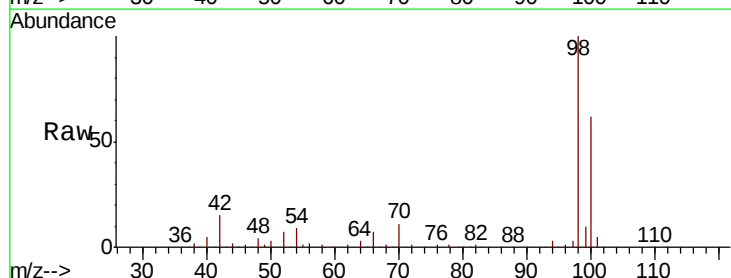


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

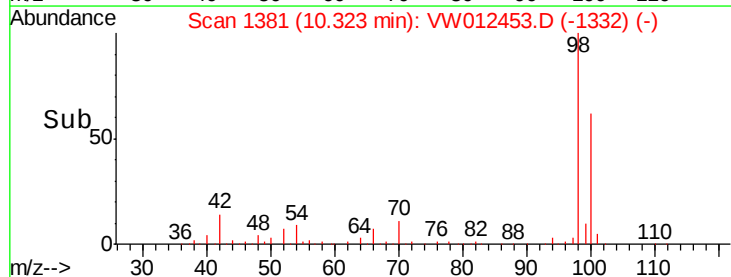
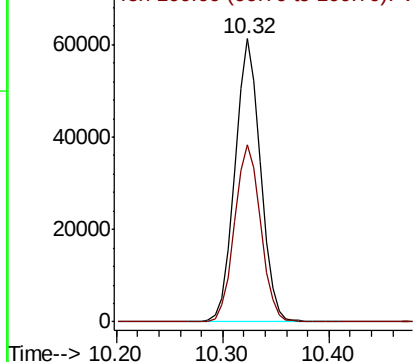


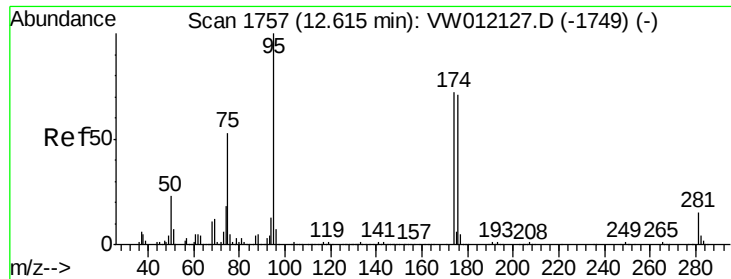
#50
Toluene-d8
Concen: 50.693 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012453.D
Acq: 01 Sep 2019 17:22

Tgt Ion: 98 Resp: 103458
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

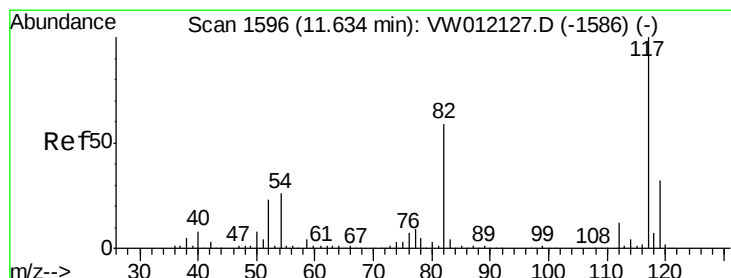
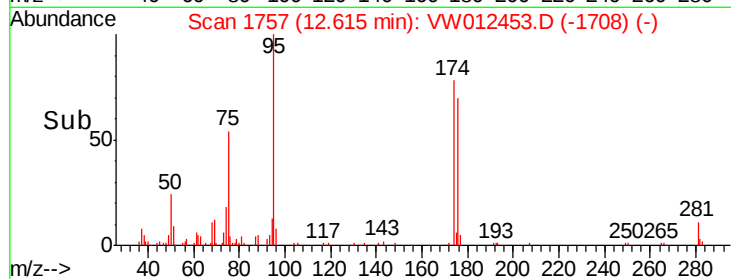
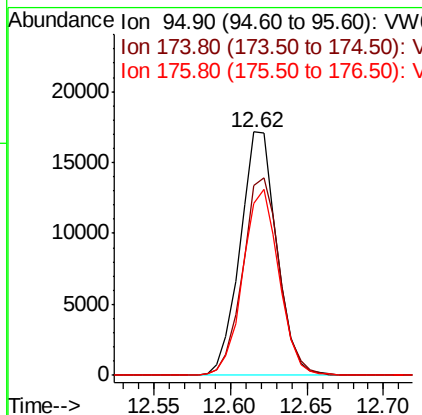
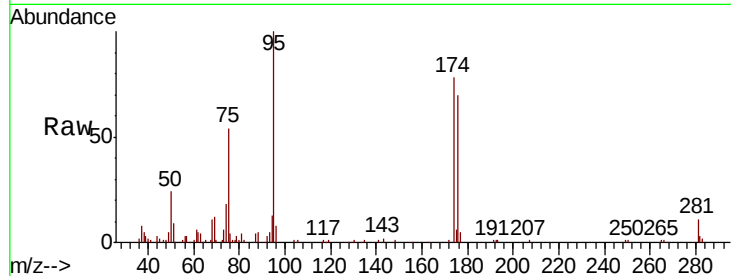




#62
4-Bromofluorobenzene
Concen: 39.745 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012453.D
Acq: 01 Sep 2019 17:22

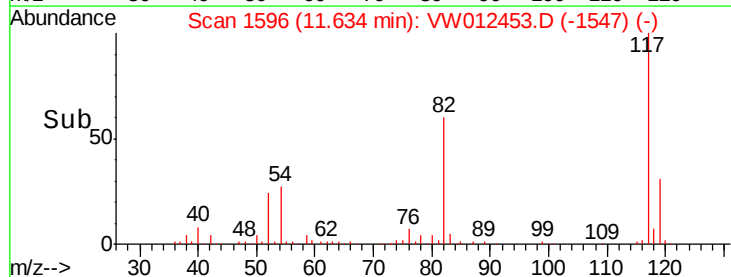
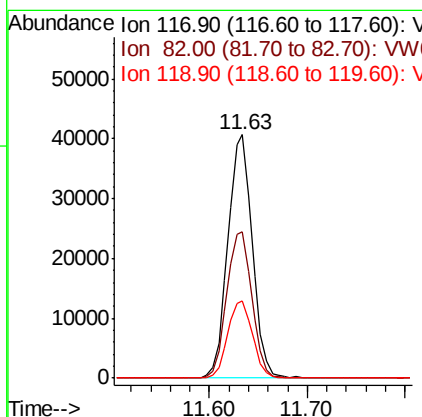
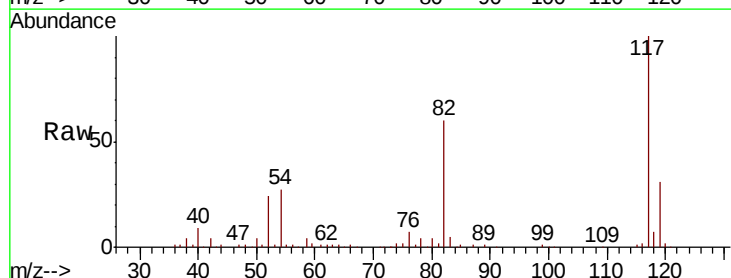
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)RE

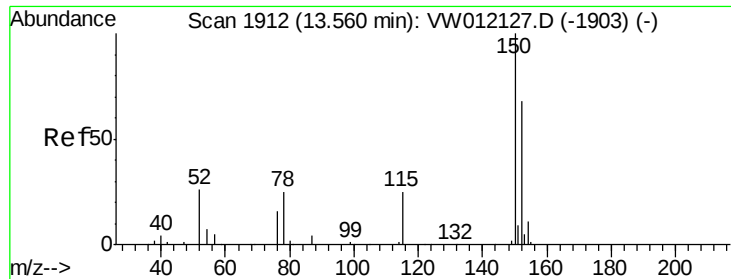
Tgt Ion: 95 Resp: 28593
Ion Ratio Lower Upper
95 100
174 81.3 0.0 150.8
176 75.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012453.D
Acq: 01 Sep 2019 17:22

Tgt Ion: 117 Resp: 70443
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 31.5 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: VW012453.D

Acq: 01 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)RE

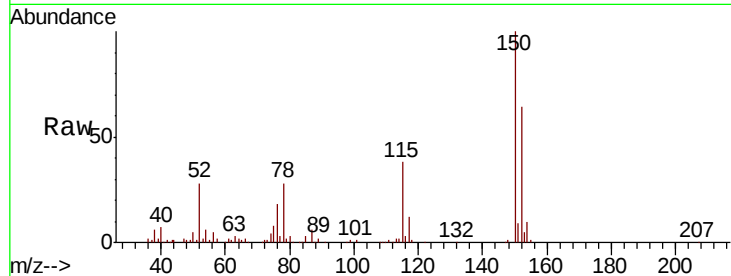
Tgt Ion:152 Resp: 22063

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

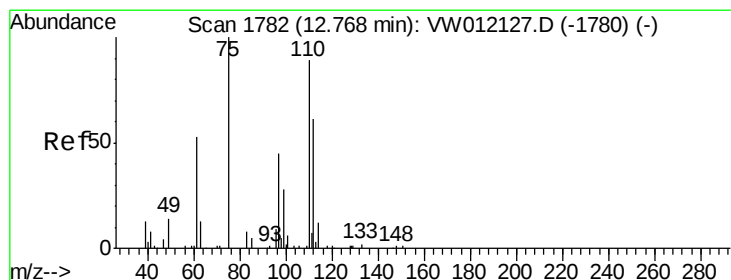
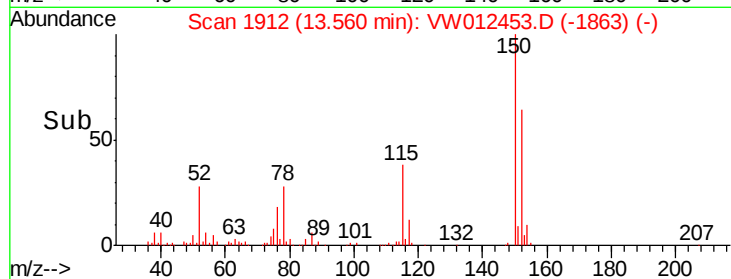
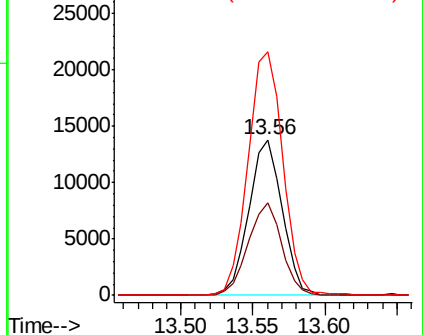
150 163.1 0.0 345.8



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: 73.870 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012453.D

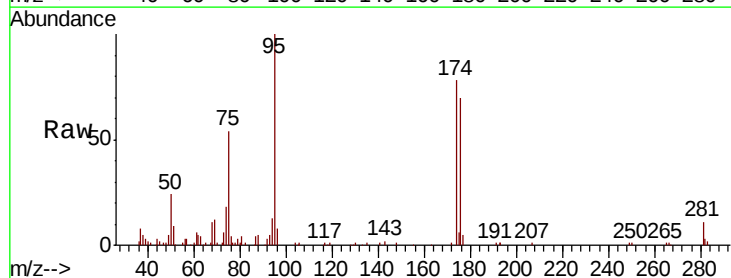
Acq: 01 Sep 2019 17:22

Tgt Ion: 75 Resp: 15873

Ion Ratio Lower Upper

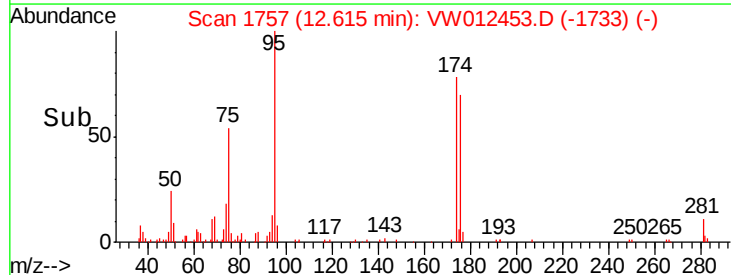
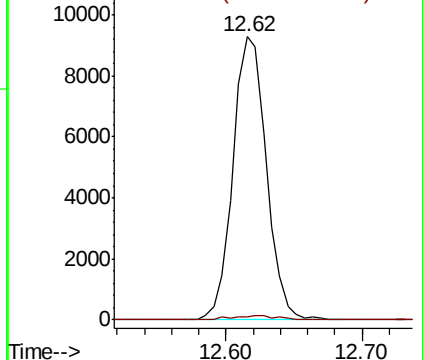
75 100

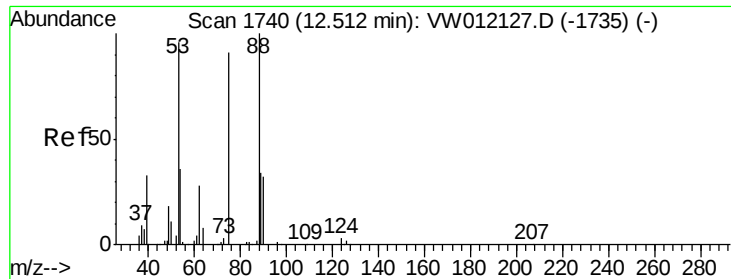
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

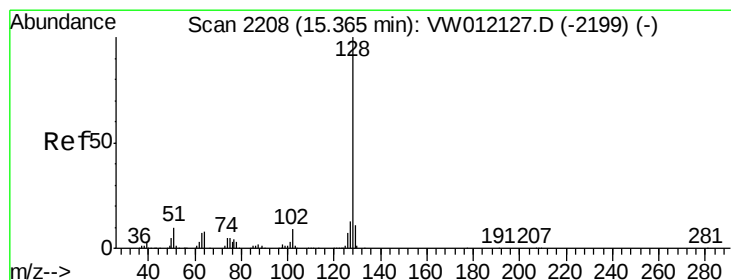
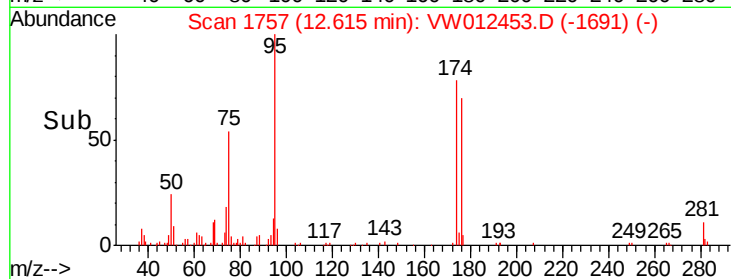
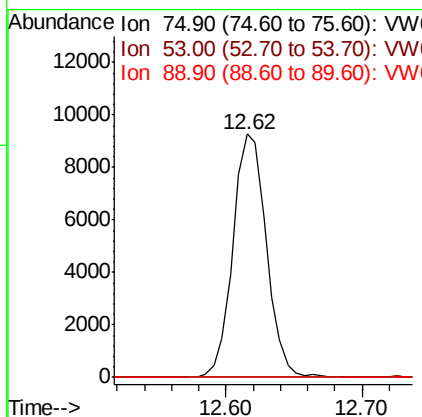
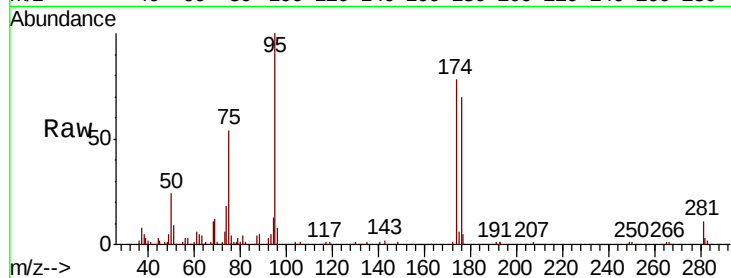




#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.962 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(2.5)RE

Tgt Ion: 75 Resp: 15873
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.363 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW012453.D
 Acq: 01 Sep 2019 17:22

Tgt Ion: 128 Resp: 38
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

