

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012532.D
 Acq On : 03 Sep 2019 06:41
 Operator : SY/VA
 Sample : K4544-20
 Misc : 5.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-E1-(0)

Quant Time: Sep 03 07:48:00 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	242025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89128	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	146754	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.88	113	119507	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.32	98	463329	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.62	95	122468	36.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.82%	

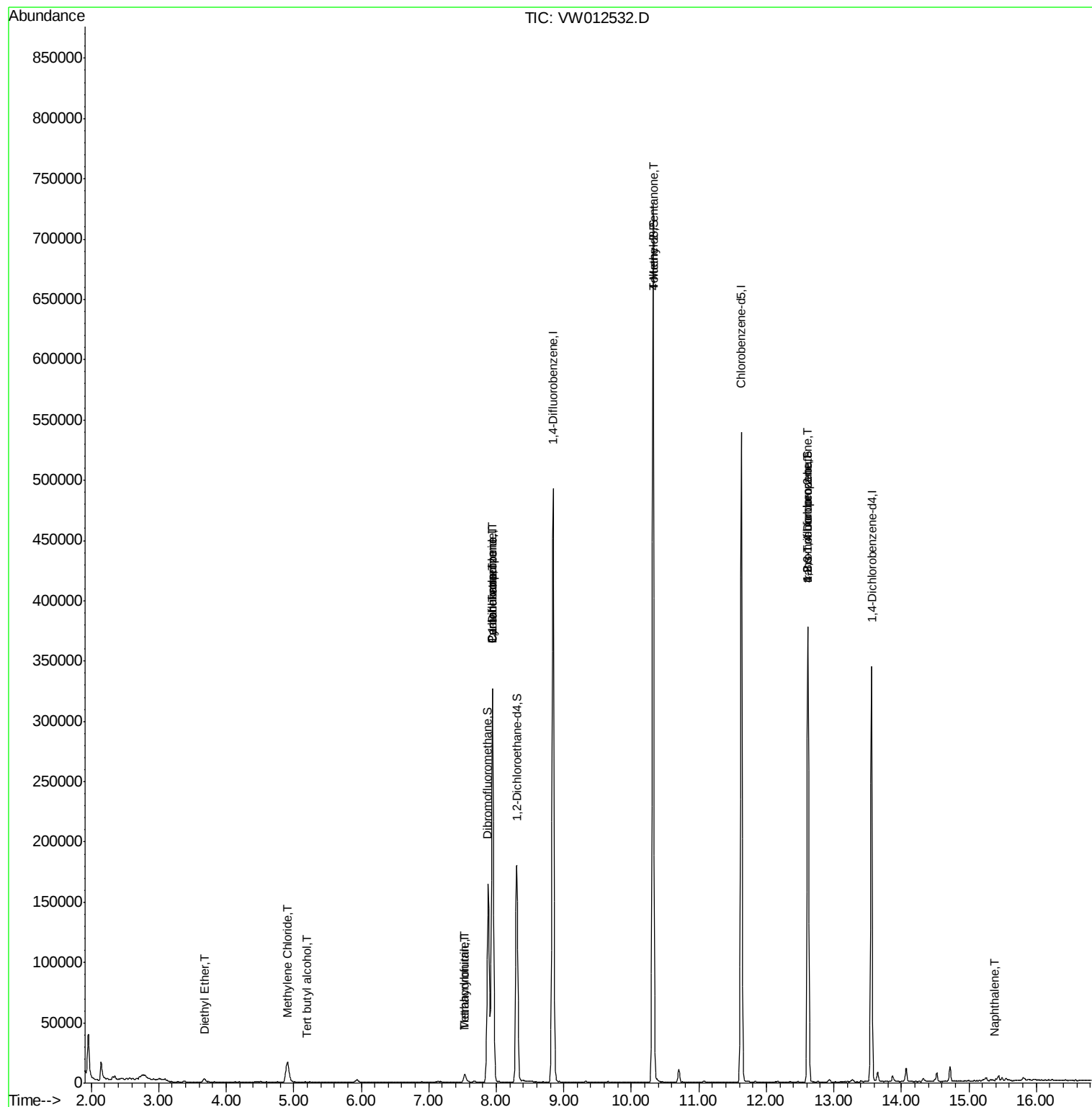
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1468	1.090	ug/l	76
11) Tert butyl alcohol	5.19	59	230	1.328	ug/l #	71
20) Methylene Chloride	4.90	84	12473	4.486	ug/l	94
29) Tetrahydrofuran	7.54	42	6117	10.202	ug/l	96
31) Cyclohexane	7.95	56	6156	1.188	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	19710	4.904	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23499	6.755	ug/l #	16
41) Methacrylonitrile	7.53	41	3805	2.939	ug/l #	51
51) 4-Methyl-2-Pentanone	10.32	43	2591	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65731	75.723	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65731	166.026	ug/l #	6
95) Naphthalene	15.37	128	252	4.390	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
Data File : VW012532.D
Acq On : 03 Sep 2019 06:41
Operator : SY/VA
Sample : K4544-20
Misc : 5.62G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T16-17-E1-(0)

Quant Time: Sep 03 07:48:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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# 991

Delta R.T. -0.00 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

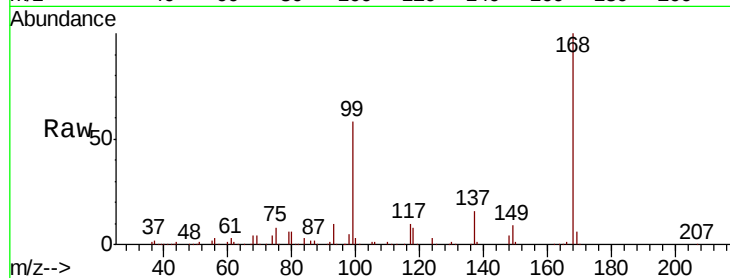
T16-17-E1-(0)

Tgt Ion:168 Resp: 242025

Ion Ratio Lower Upper

168 100

99 58.5 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

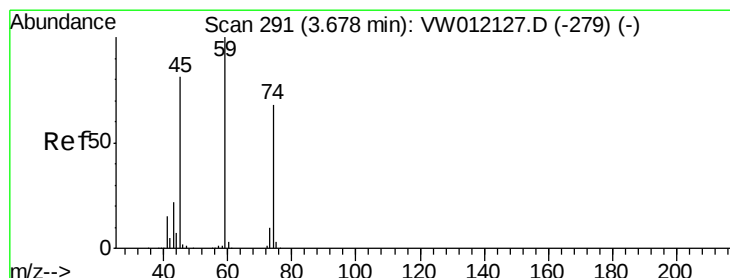
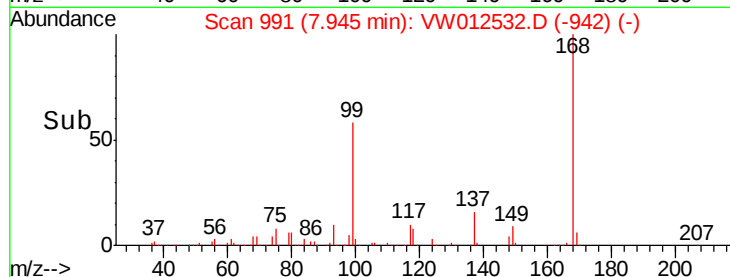
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.090 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012532.D

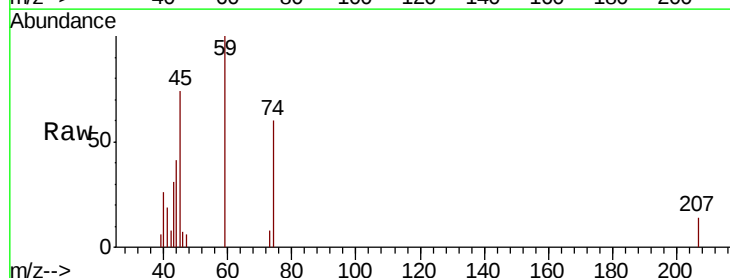
Acq: 03 Sep 2019 06:41

Tgt Ion: 74 Resp: 1468

Ion Ratio Lower Upper

74 100

45 144.4 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

800

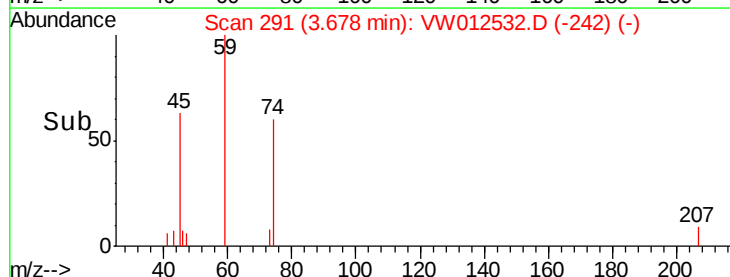
600

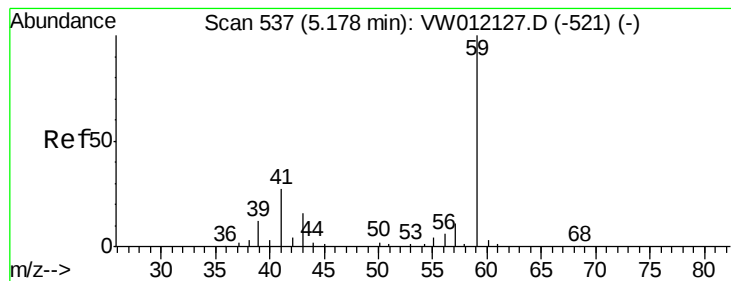
400

200

0

Time-->



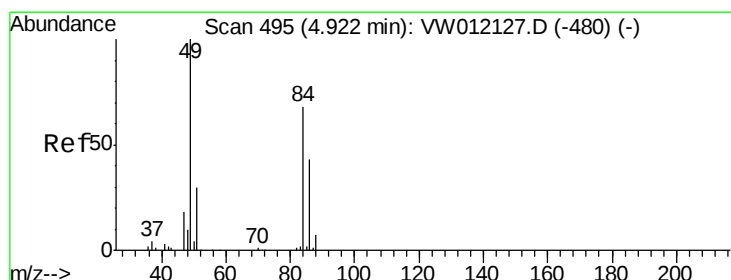
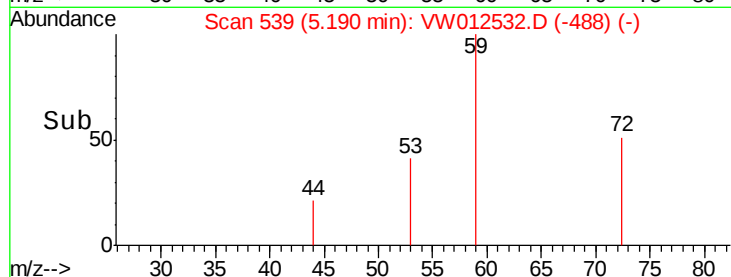
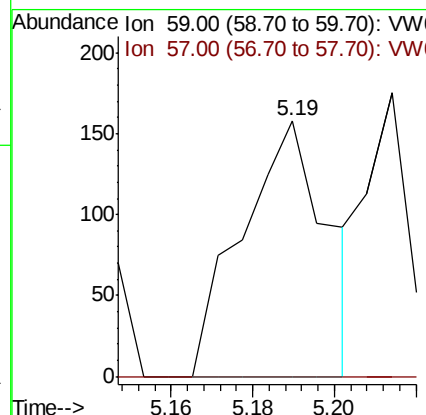
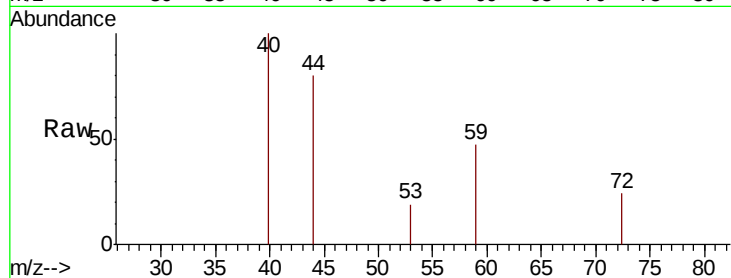


#11

Tert butyl alcohol
 Concen: 1.328 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-E1-(0)

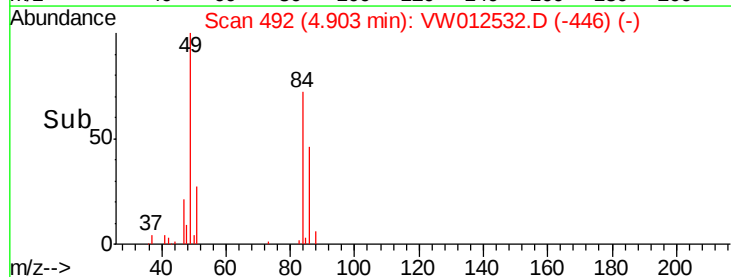
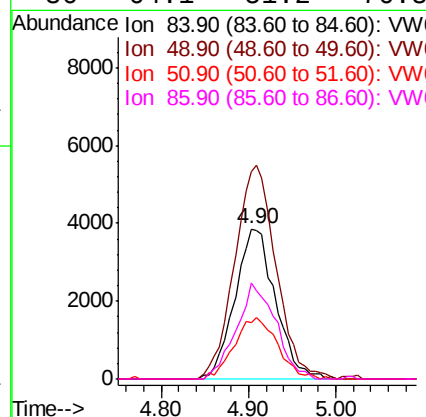
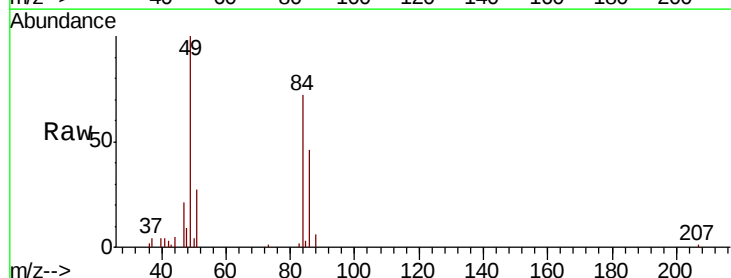
Tgt Ion: 59 Resp: 230
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

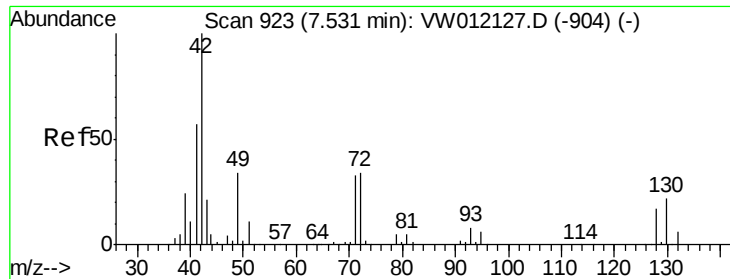


#20

Methylene Chloride
 Concen: 4.486 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

Tgt Ion: 84 Resp: 12473
 Ion Ratio Lower Upper
 84 100
 49 138.4 117.8 176.8
 51 37.4 35.6 53.4
 86 64.1 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.202 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

T16-17-E1-(0)

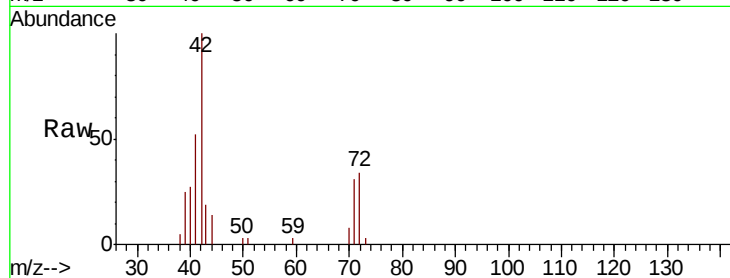
Tgt Ion: 42 Resp: 6117

Ion Ratio Lower Upper

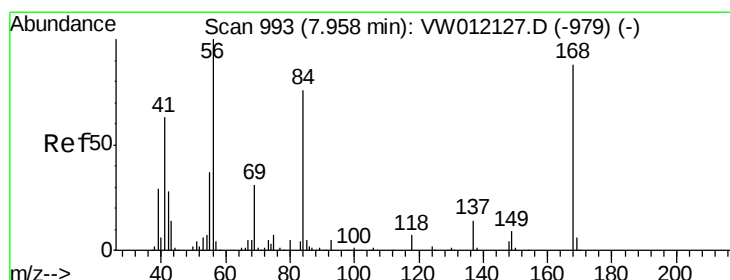
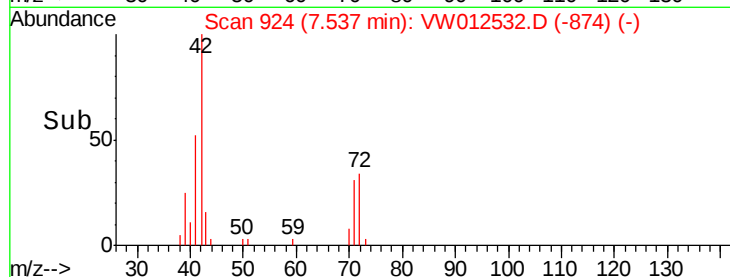
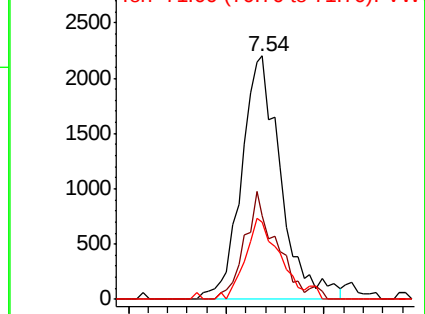
42 100

72 36.9 27.3 40.9

71 30.2 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: 1.188 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

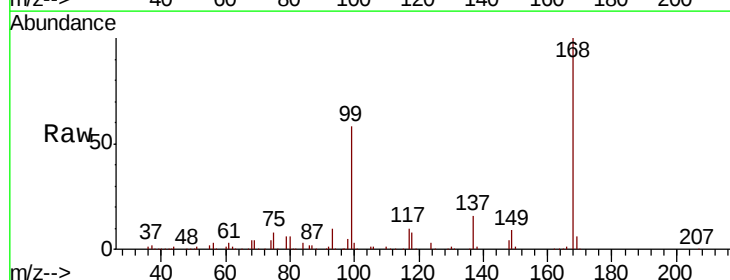
Tgt Ion: 56 Resp: 6156

Ion Ratio Lower Upper

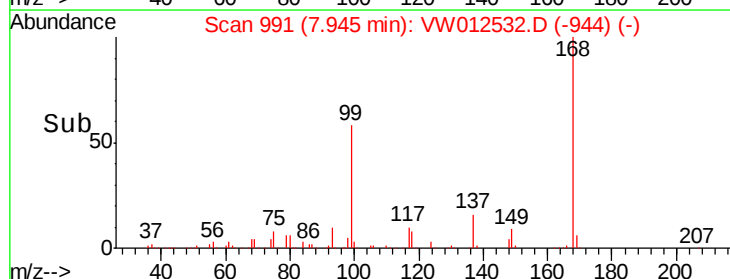
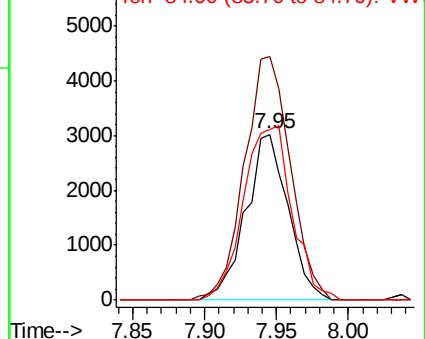
56 100

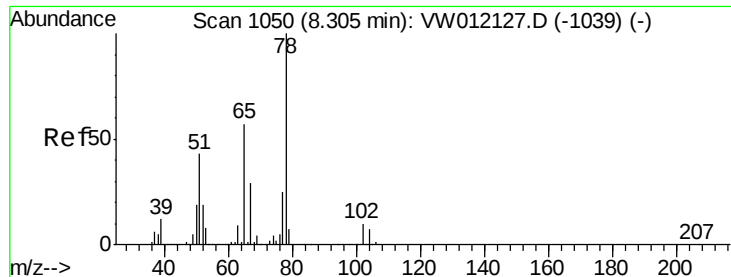
69 146.8 24.9 37.3#

84 103.2 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

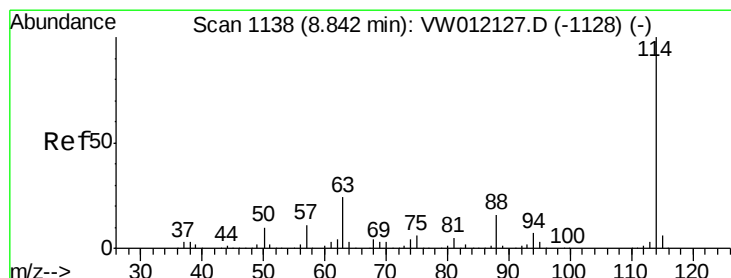
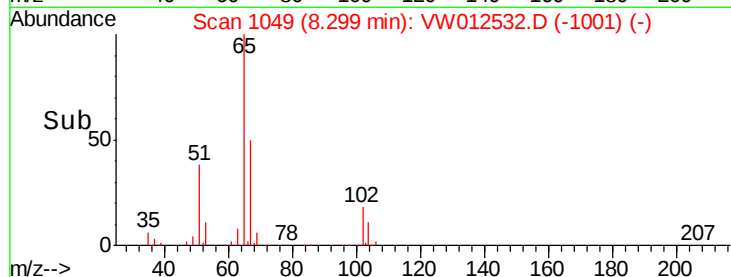
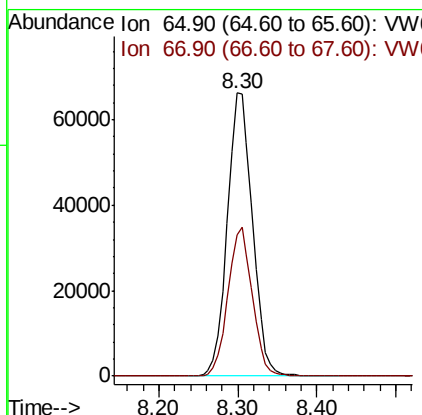
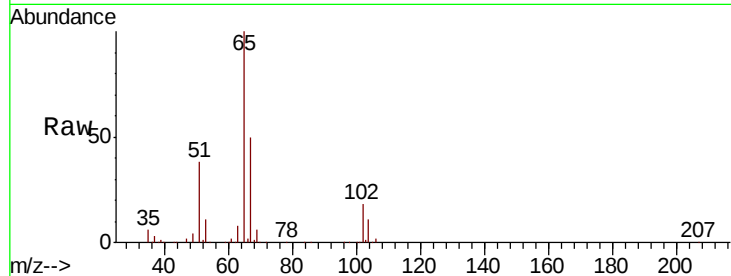




#33
 1,2-Dichloroethane-d4
 Concen: 51.008 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

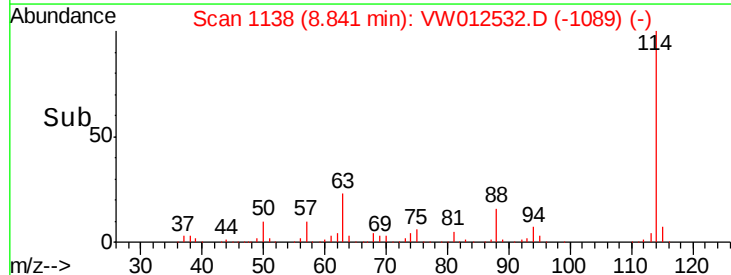
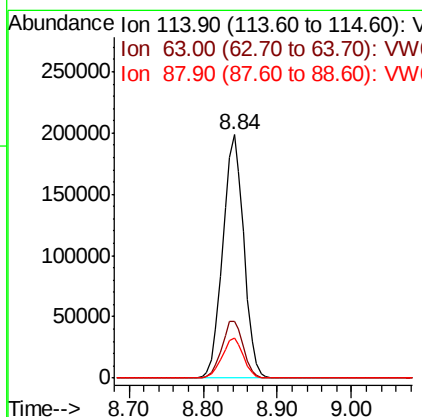
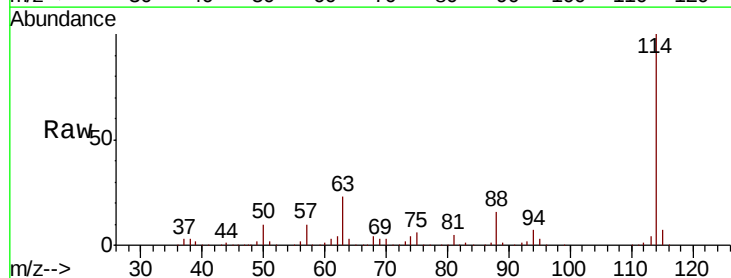
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-E1-(0)

Tgt Ion: 65 Resp: 146754
 Ion Ratio Lower Upper
 65 100
 67 51.0 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: VW012532.D
 Acq: 03 Sep 2019 06:41

Tgt Ion: 114 Resp: 388948
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.3 0.0 32.2

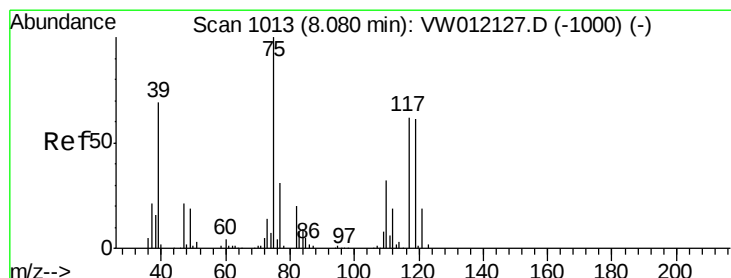
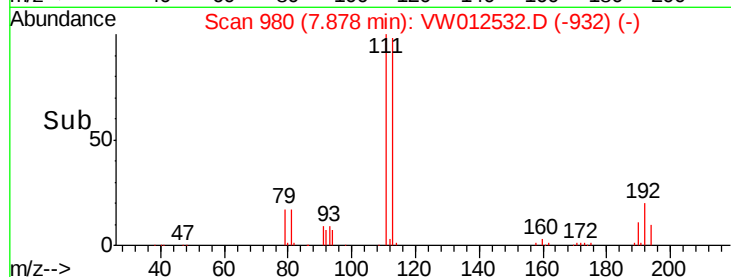
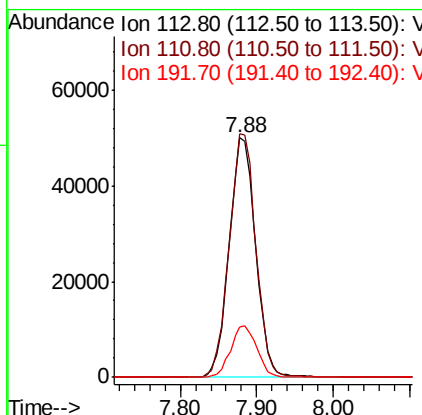
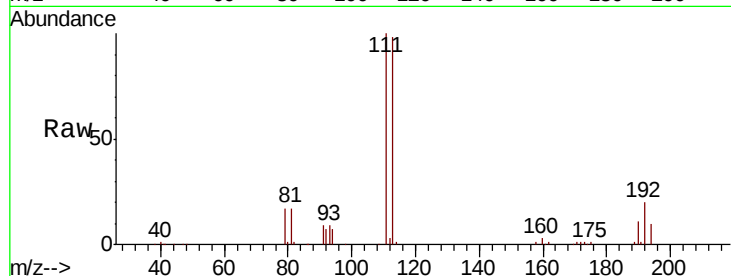




#35
 Dibromofluoromethane
 Concen: 51.475 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

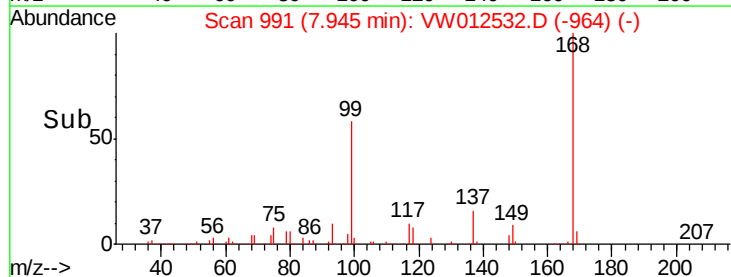
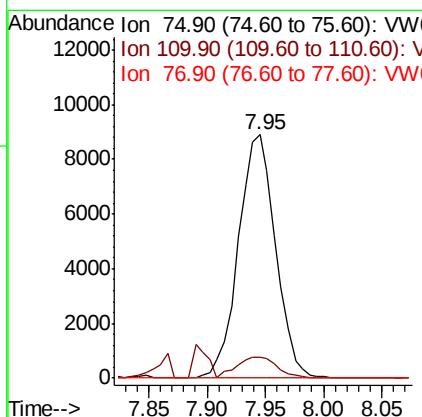
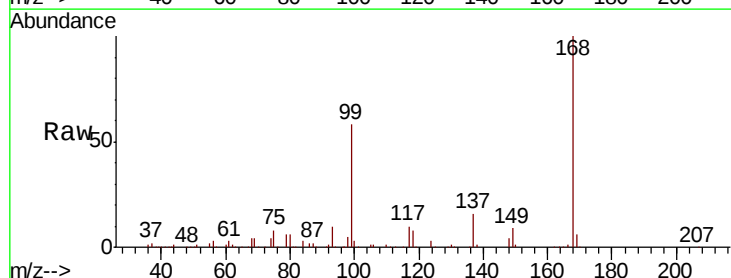
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-E1-(0)

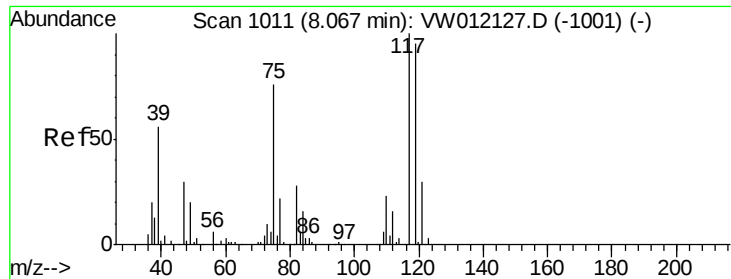
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	21.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

T16-17-E1-(0)

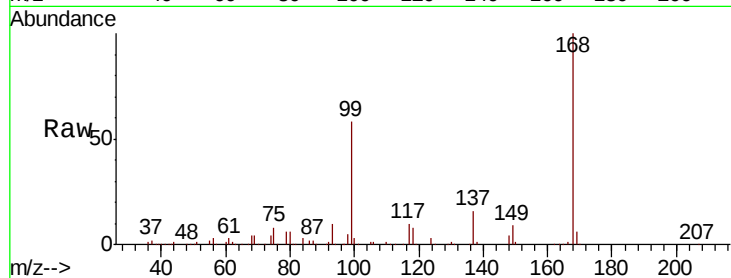
Tgt Ion:117 Resp: 23499

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

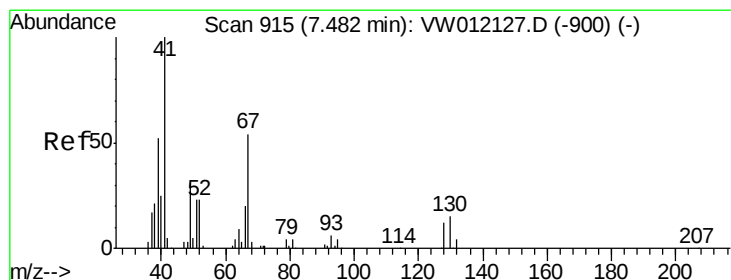
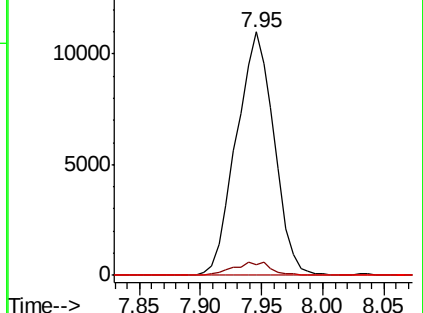
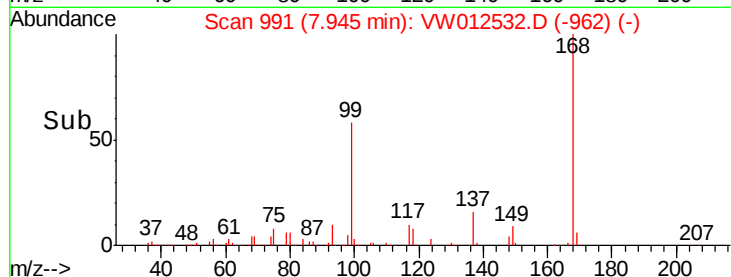
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.939 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Tgt Ion: 41 Resp: 3805

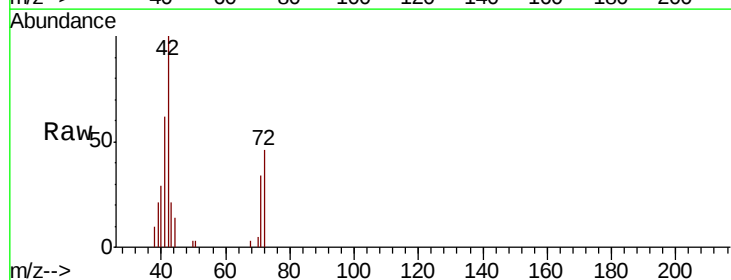
Ion Ratio Lower Upper

41 100

39 44.3 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

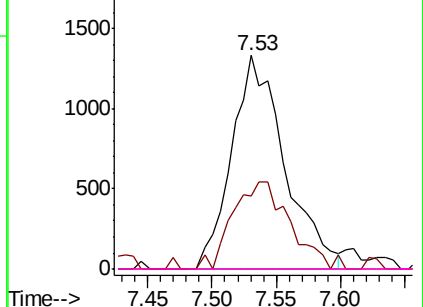
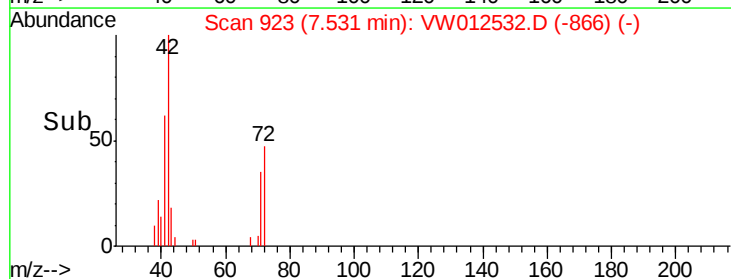


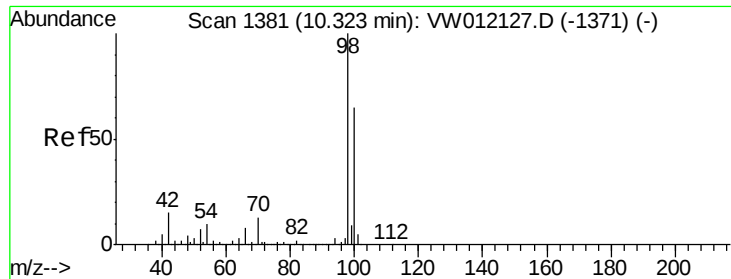
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 49.219 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

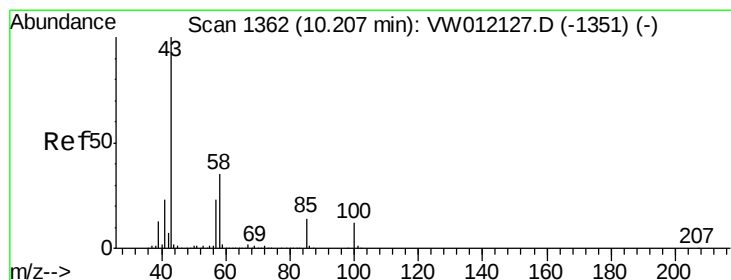
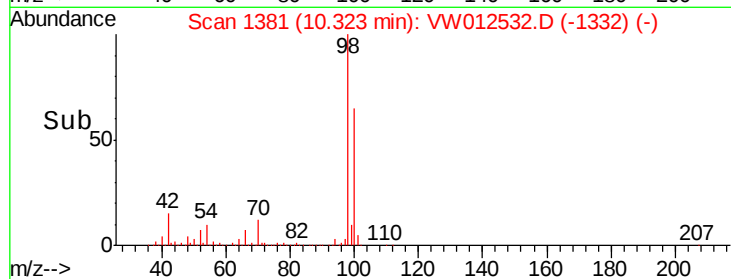
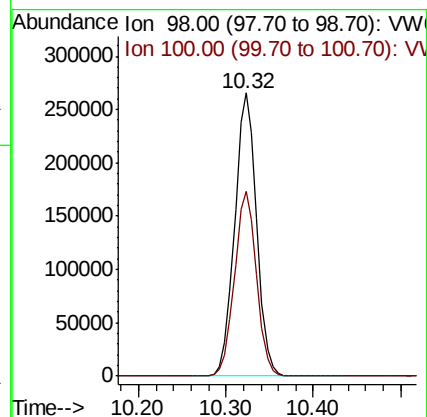
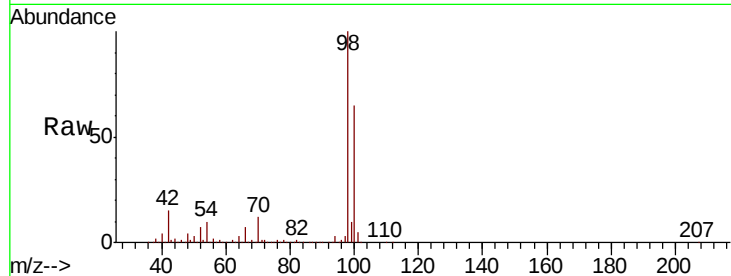
T16-17-E1-(0)

Tgt Ion: 98 Resp: 463329

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.249 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012532.D

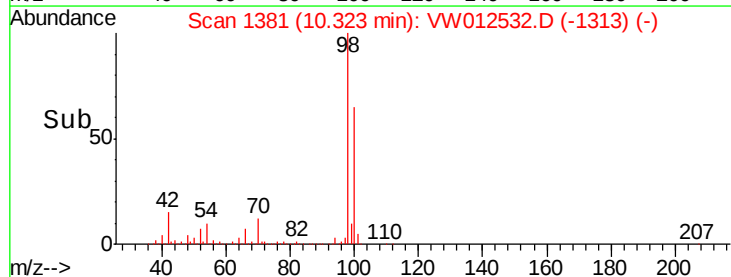
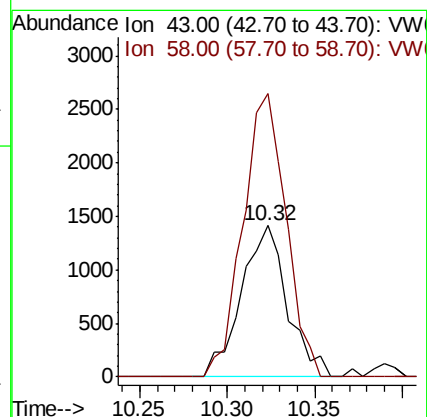
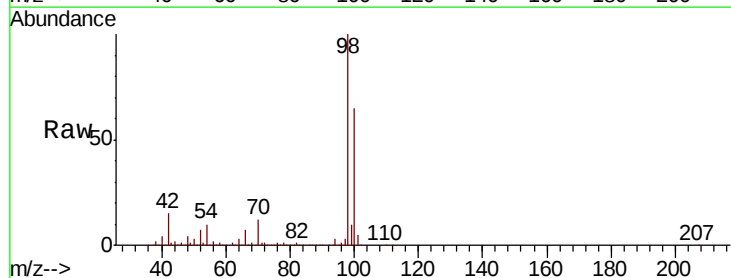
Acq: 03 Sep 2019 06:41

Tgt Ion: 43 Resp: 2591

Ion Ratio Lower Upper

43 100

58 174.5 28.2 42.2#

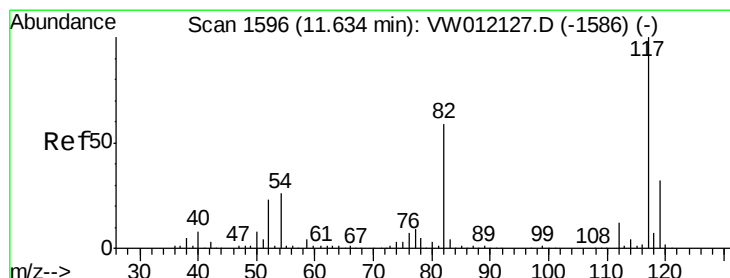
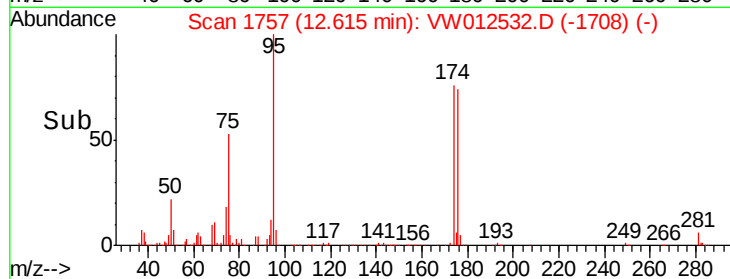
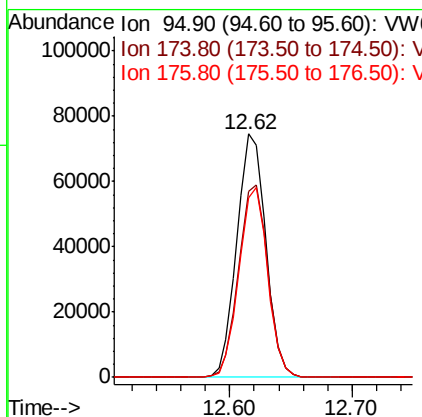
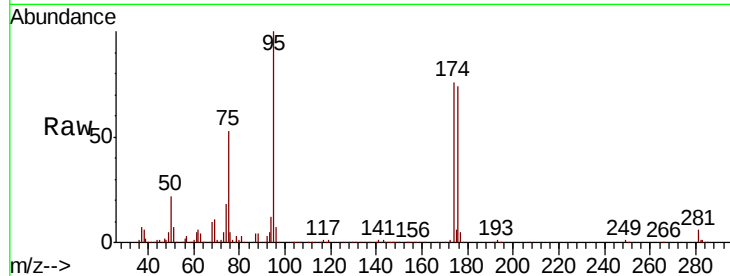




#62
4-Bromofluorobenzene
Concen: 36.907 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012532.D
Acq: 03 Sep 2019 06:41

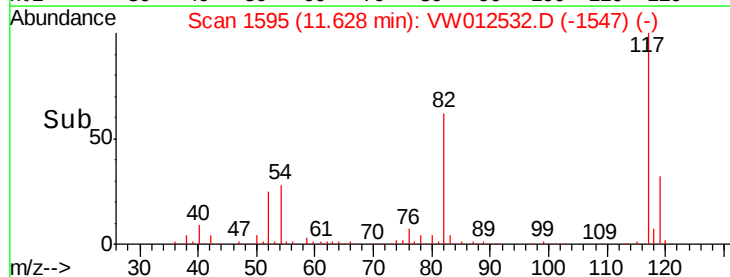
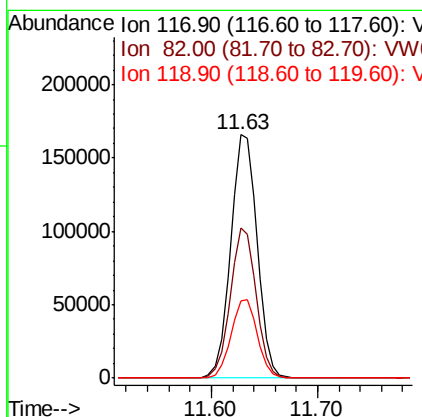
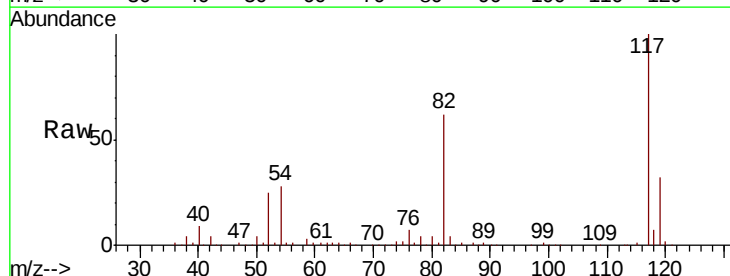
Instrument :
MSVOA_W
ClientSampleId :
T16-17-E1-(0)

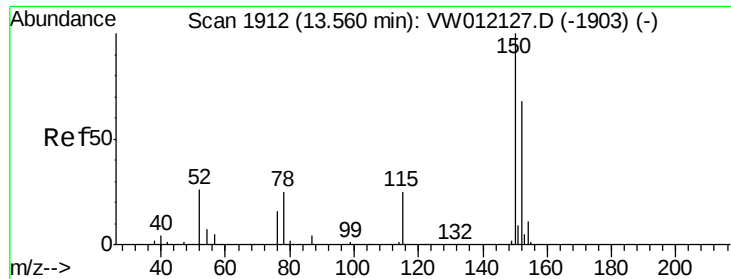
Tgt Ion	Resp	Lower	Upper
95	122468		
174	80.1	0.0	150.8
176	77.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012532.D
Acq: 03 Sep 2019 06:41

Tgt Ion	Resp	Lower	Upper
117	289660		
82	61.9	47.4	71.2
119	31.7	25.4	38.2

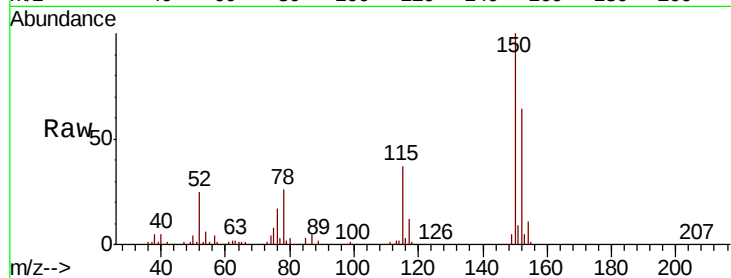




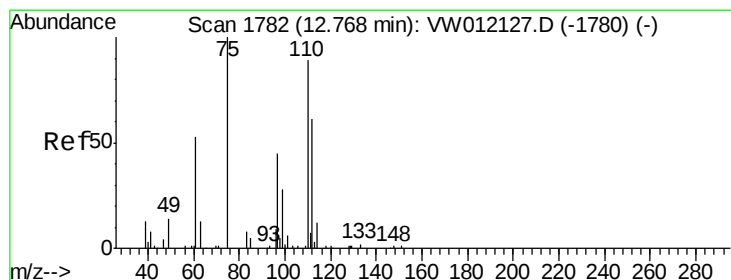
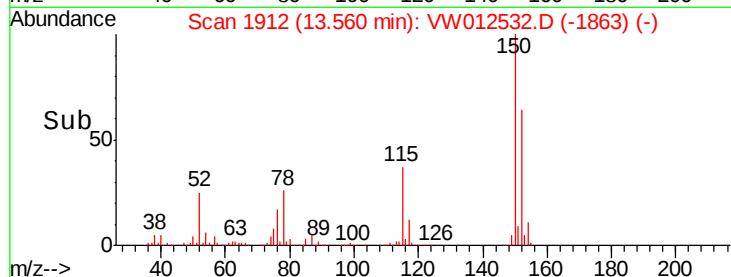
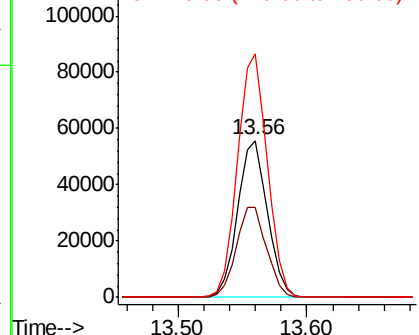
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-E1-(0)

Tgt Ion: 152 Resp: 89128
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.1 90.3
 150 156.3 0.0 345.8

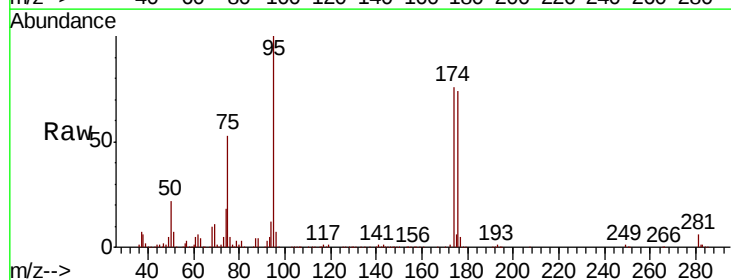


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

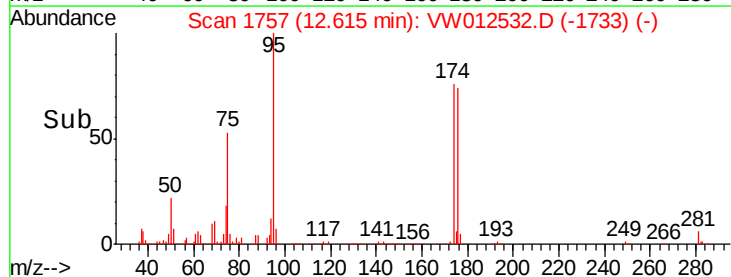
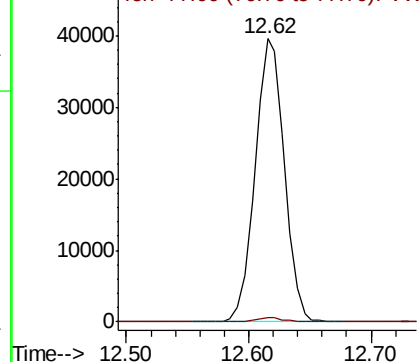


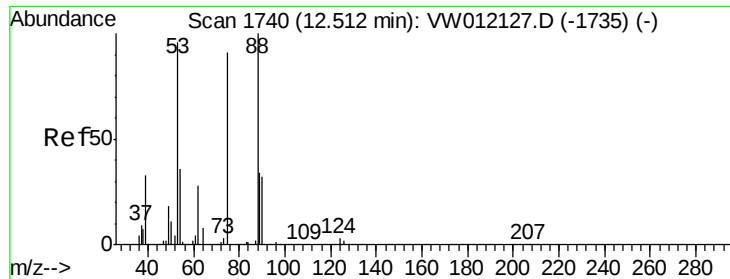
#76
 1,2,3-Trichloropropane
 Concen: 75.723 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012532.D
 Acq: 03 Sep 2019 06:41

Tgt Ion: 75 Resp: 65731
 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: 166.026 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

T16-17-E1-(0)

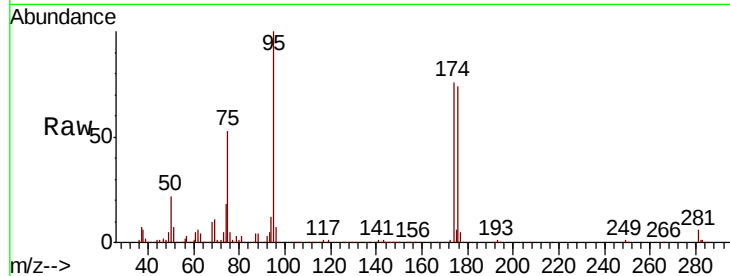
Tgt Ion: 75 Resp: 65731

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

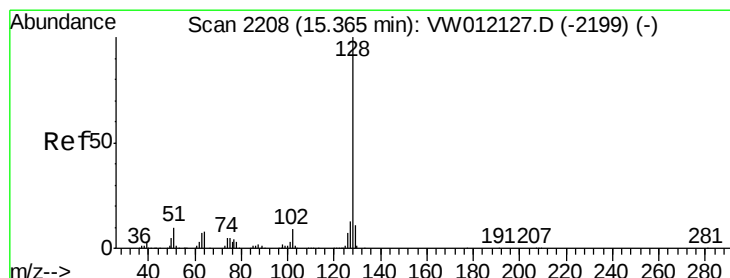
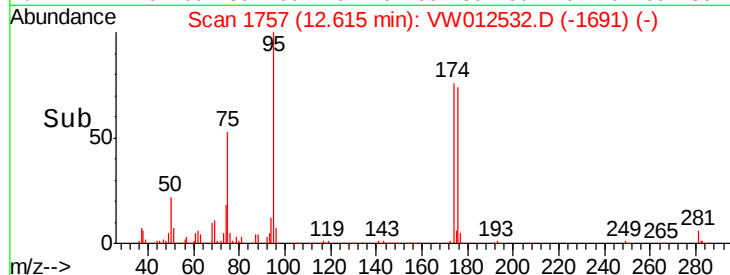
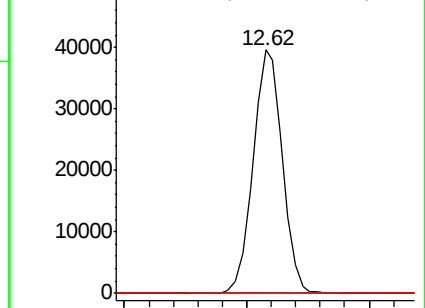
89 0.0 34.5 51.7#



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: 4.390 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012532.D

Acq: 03 Sep 2019 06:41

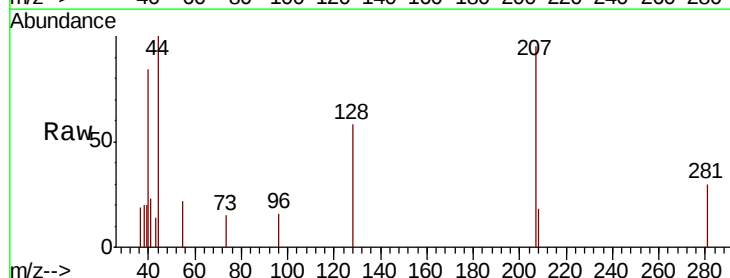
Tgt Ion: 128 Resp: 252

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

