

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012524.D
 Acq On : 03 Sep 2019 03:15
 Operator : SY/VA
 Sample : K4544-11
 Misc : 3.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(0)

Quant Time: Sep 03 07:46:05 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	262275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133809	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	159164	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.88	113	126743	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.32	98	531539	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	165854	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

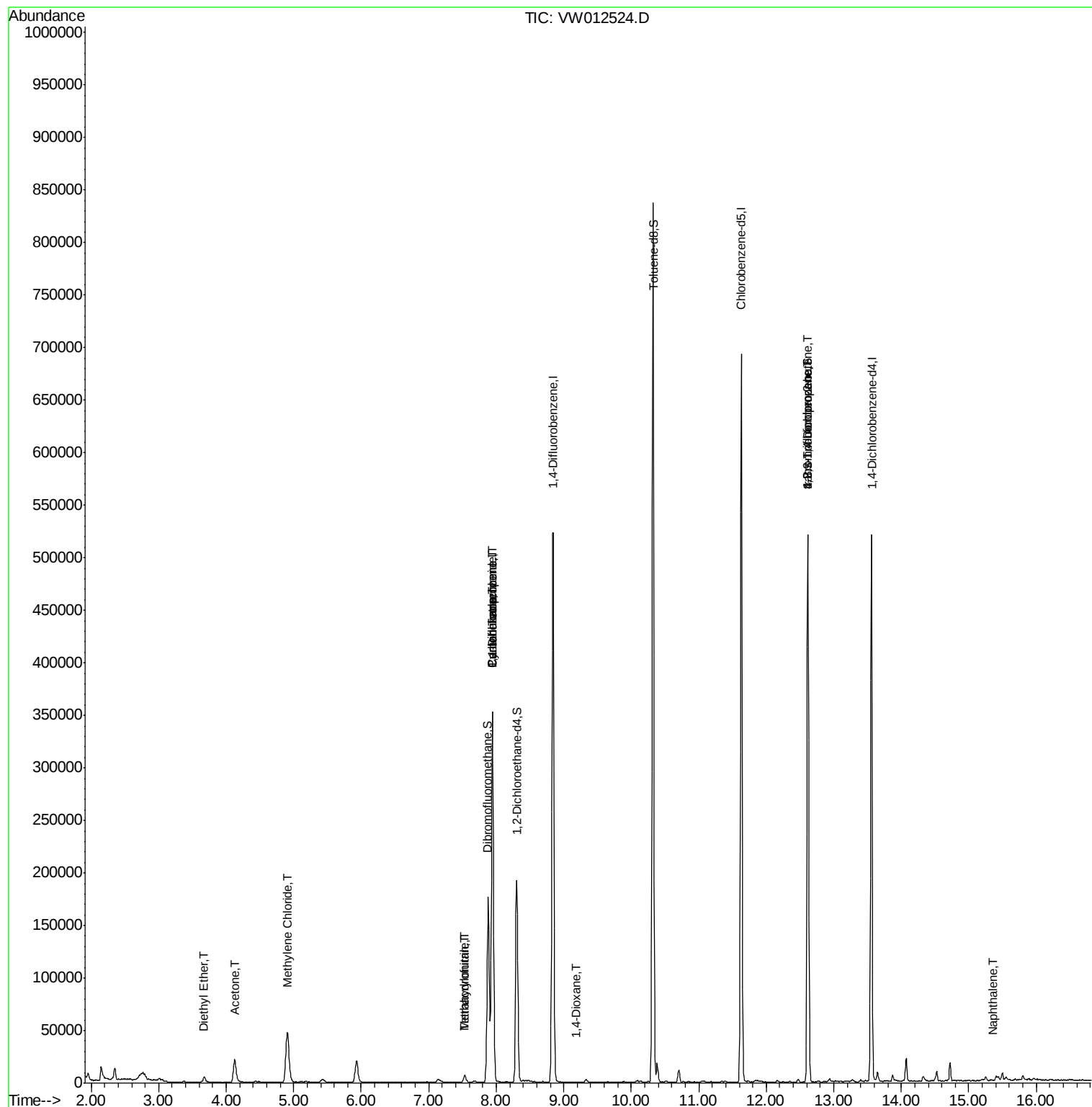
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2622	1.796	ug/l	74
16) Acetone	4.12	43	42906	53.836	ug/l	99
20) Methylene Chloride	4.90	84	35277	11.709	ug/l	96
29) Tetrahydrofuran	7.53	42	5496	8.459	ug/l	95
31) Cyclohexane	7.94	56	6198	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21354	4.845	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25902	6.791	ug/l #	17
41) Methacrylonitrile	7.52	41	3733	2.630	ug/l #	53
49) 1,4-Dioxane	9.19	88	27	1.224	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	87543	67.175	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87543	147.284	ug/l #	6
95) Naphthalene	15.36	128	459	4.404	ug/l #	69

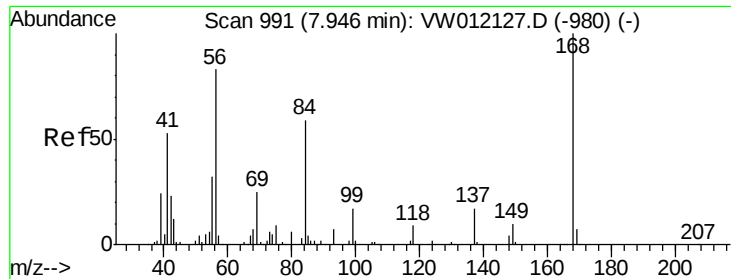
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
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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: VW012524.D

Acq: 03 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

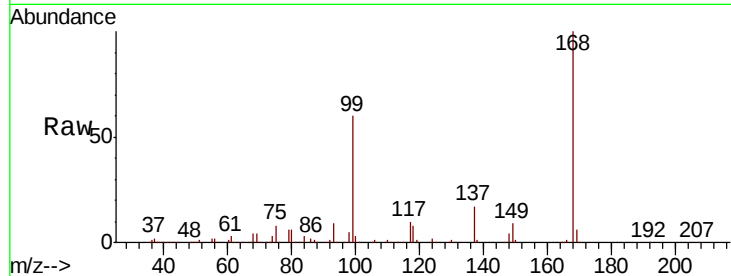
T16-17-C1-(0)

Tgt Ion:168 Resp: 262275

Ion Ratio Lower Upper

168 100

99 59.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

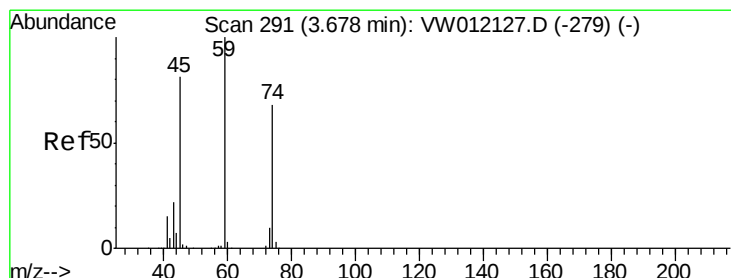
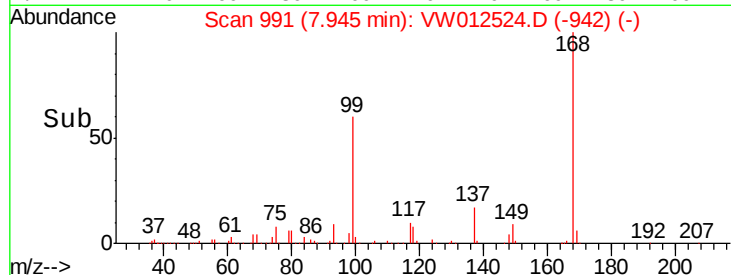
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.796 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012524.D

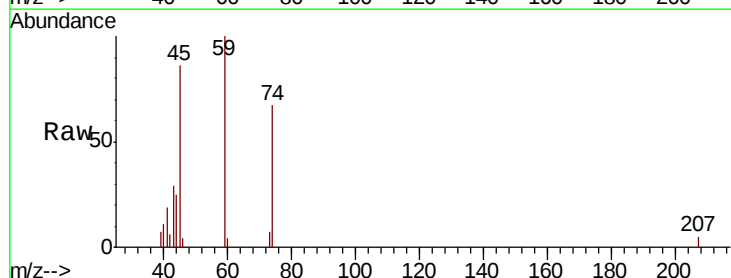
Acq: 03 Sep 2019 03:15

Tgt Ion: 74 Resp: 2622

Ion Ratio Lower Upper

74 100

45 147.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1500

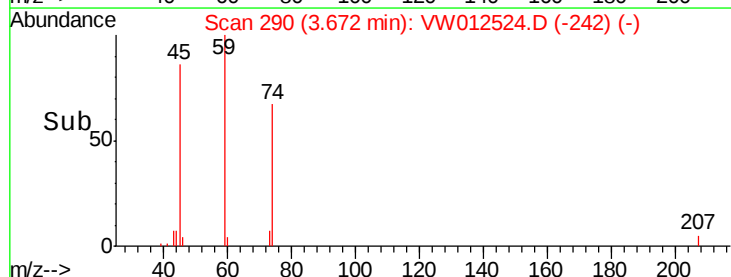
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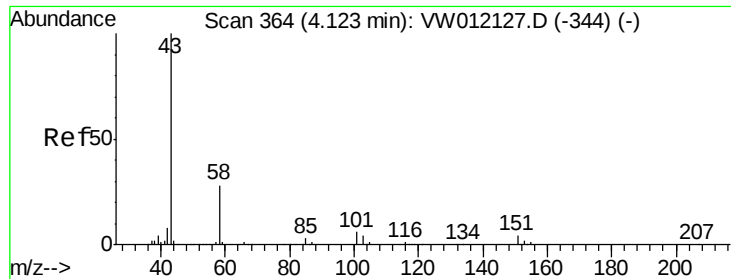
500

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 53.836 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

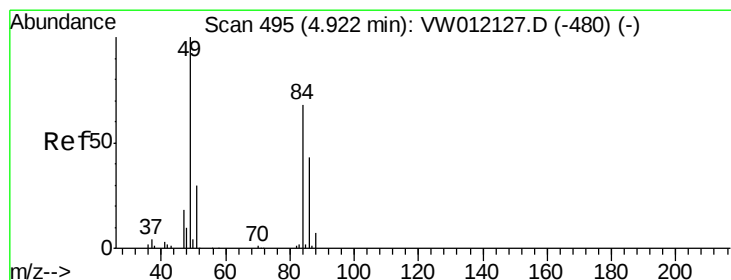
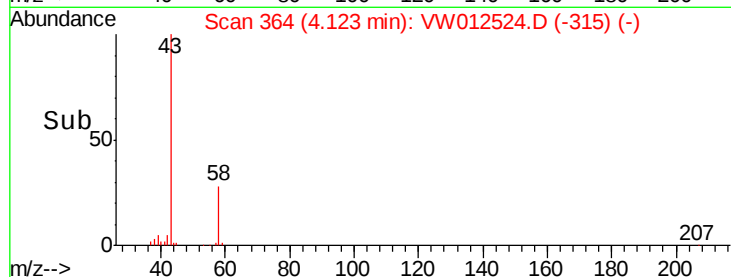
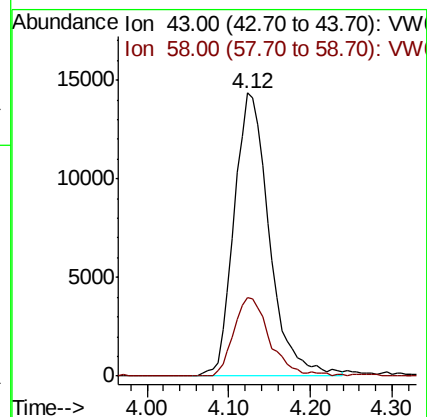
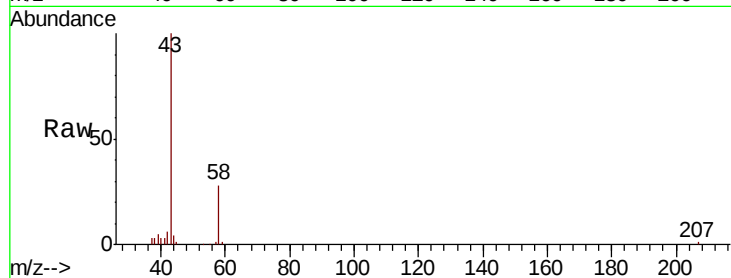
T16-17-C1-(0)

Tgt Ion: 43 Resp: 42906

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6



#20

Methylene Chloride

Concen: 11.709 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

Tgt Ion: 84 Resp: 35277

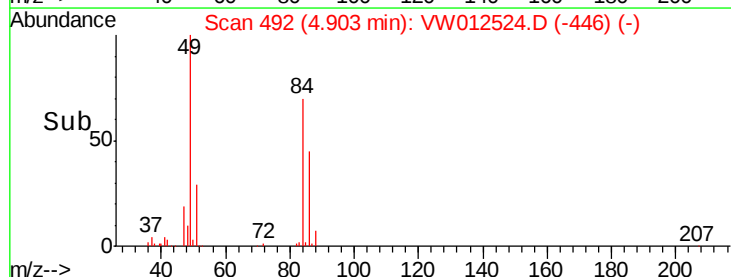
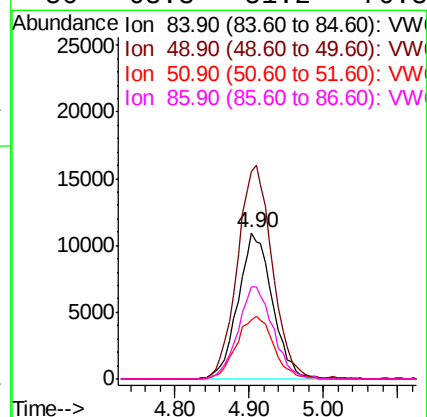
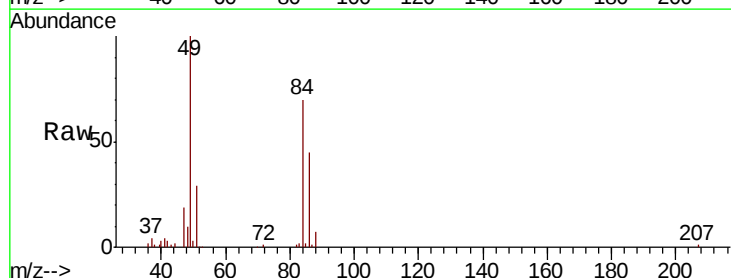
Ion Ratio Lower Upper

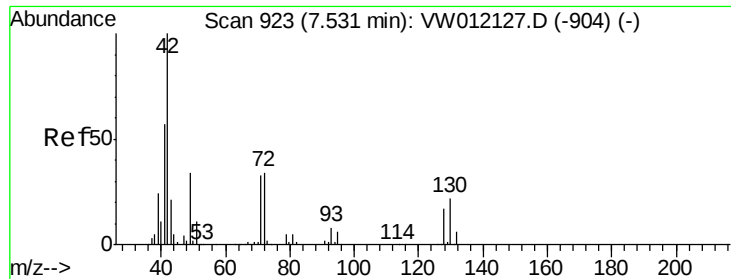
84 100

49 141.9 117.8 176.8

51 40.6 35.6 53.4

86 63.3 51.2 76.8

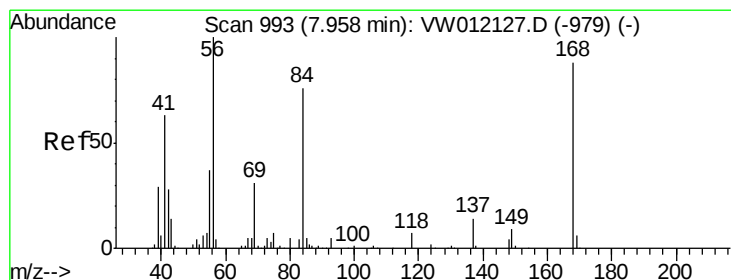
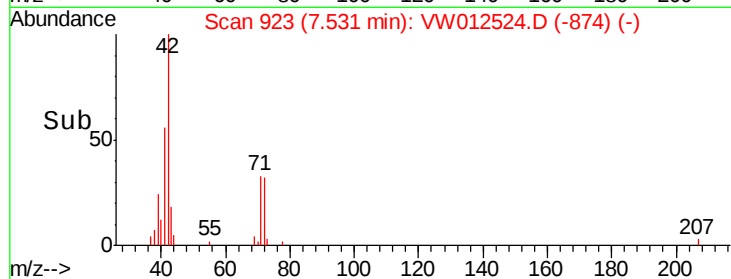
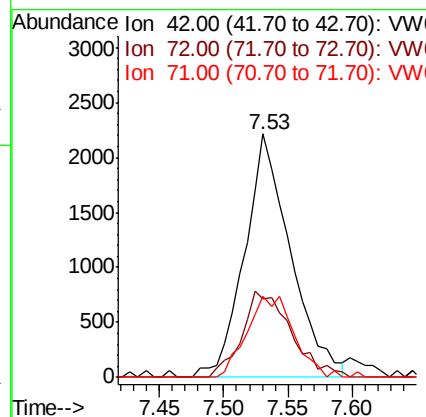
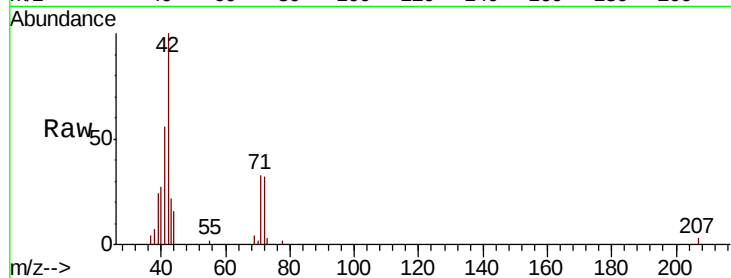




#29
Tetrahydrofuran
Concen: 8.459 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012524.D
Acq: 03 Sep 2019 03:15

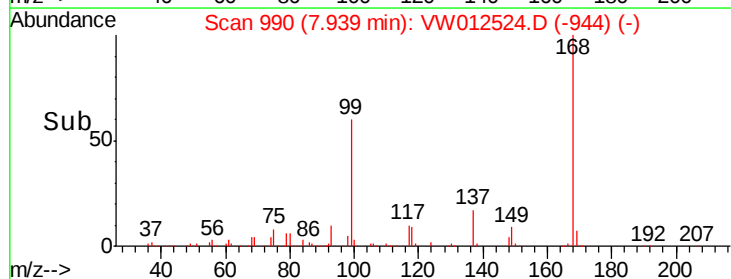
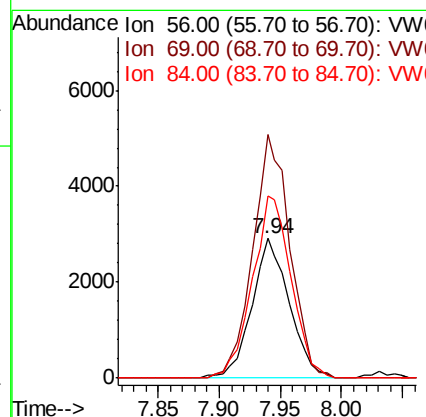
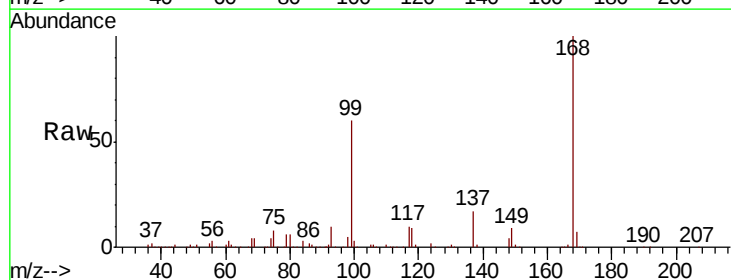
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C1-(0)

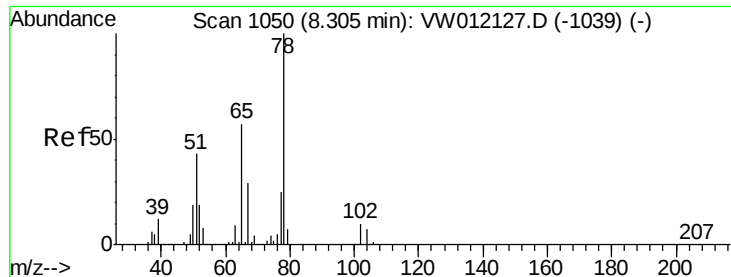
Tgt Ion: 42 Resp: 5496
Ion Ratio Lower Upper
42 100
72 37.6 27.3 40.9
71 34.1 25.5 38.3



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012524.D
Acq: 03 Sep 2019 03:15

Tgt Ion: 56 Resp: 6198
Ion Ratio Lower Upper
56 100
69 174.5 24.9 37.3#
84 130.3 60.6 90.8#

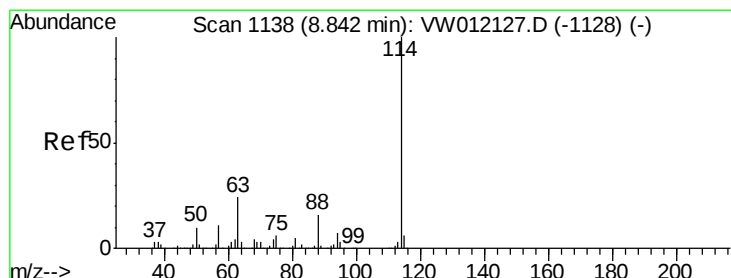
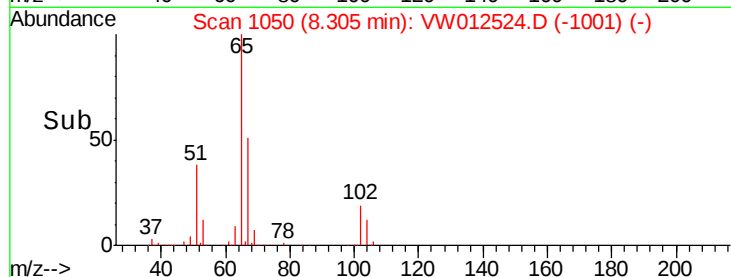
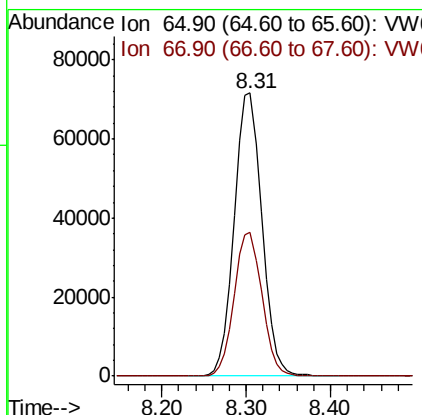
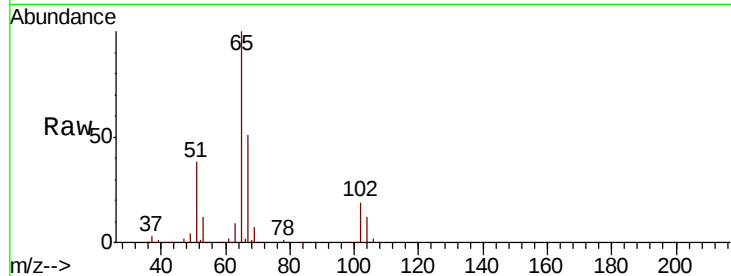




#33
 1,2-Dichloroethane-d4
 Concen: 51.050 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012524.D
 Acq: 03 Sep 2019 03:15

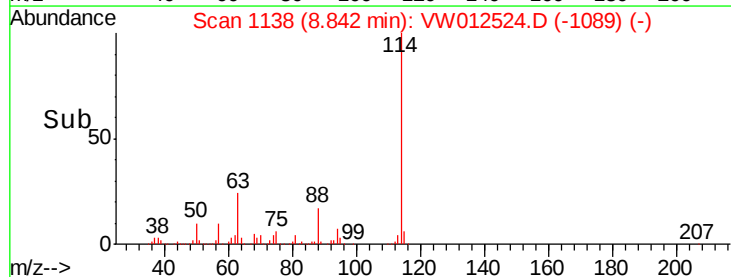
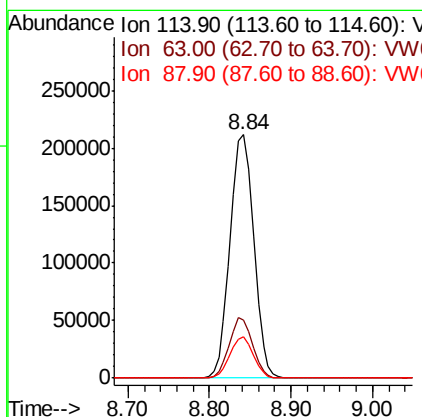
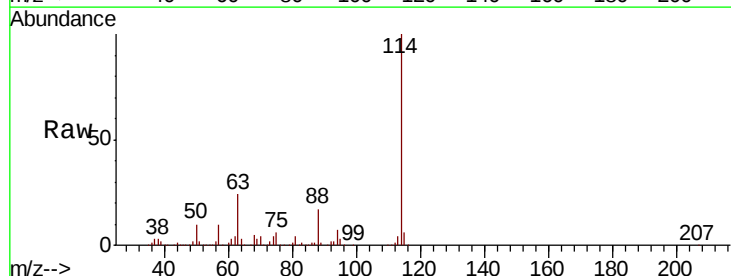
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(0)

Tgt Ion: 65 Resp: 159164
 Ion Ratio Lower Upper
 65 100
 67 50.9 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: VW012524.D
 Acq: 03 Sep 2019 03:15

Tgt Ion: 114 Resp: 426468
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 16.8 0.0 32.2

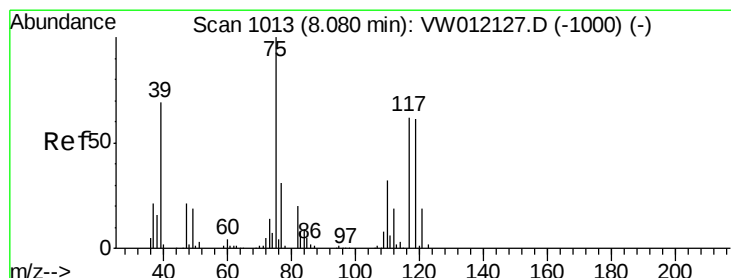
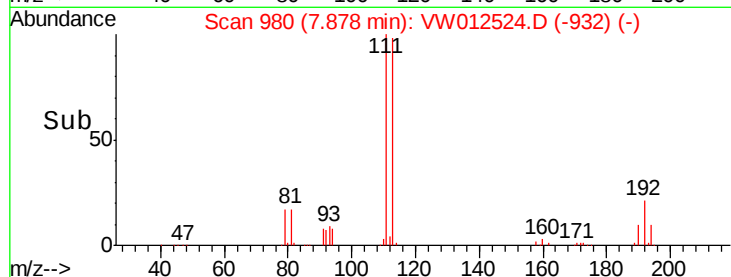
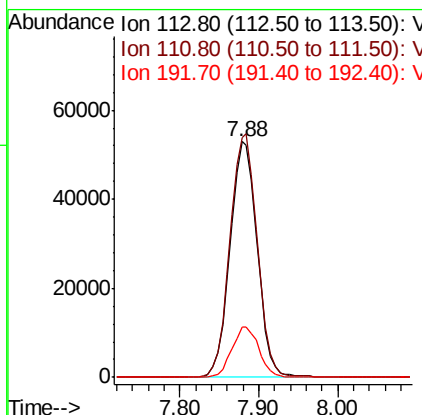
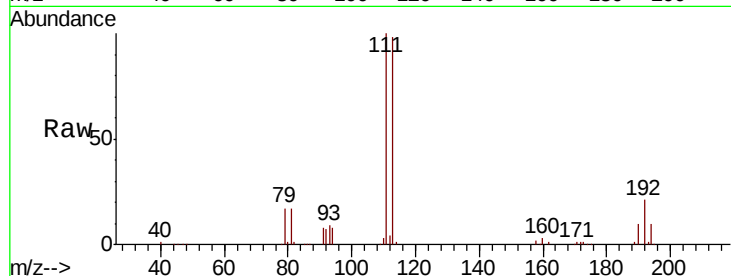




#35
 Dibromofluoromethane
 Concen: 49.789 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012524.D
 Acq: 03 Sep 2019 03:15

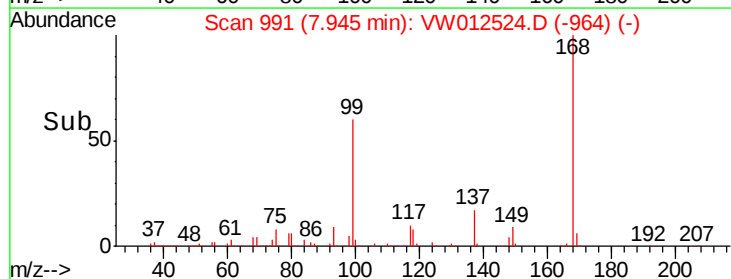
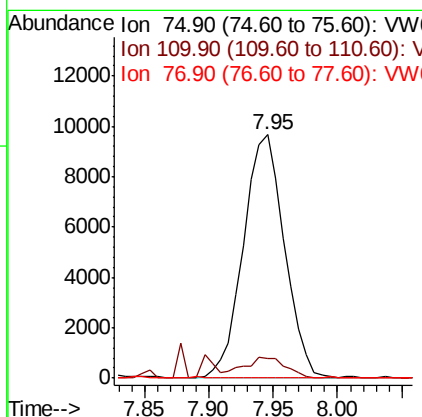
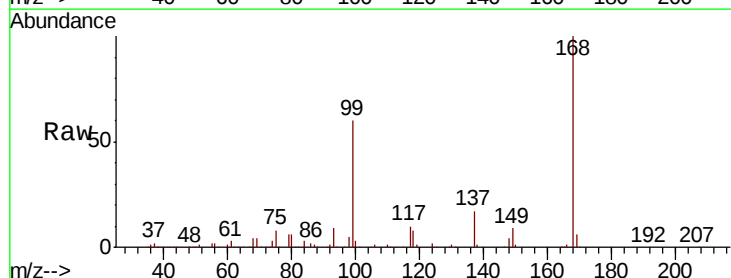
Instrument :
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 ClientSampleId :
 T16-17-C1-(0)

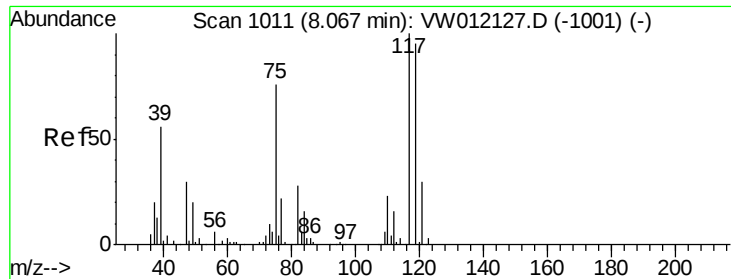
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	21.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012524.D
 Acq: 03 Sep 2019 03:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.6	36.8#

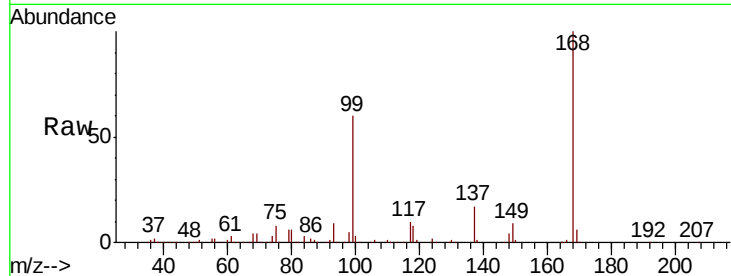




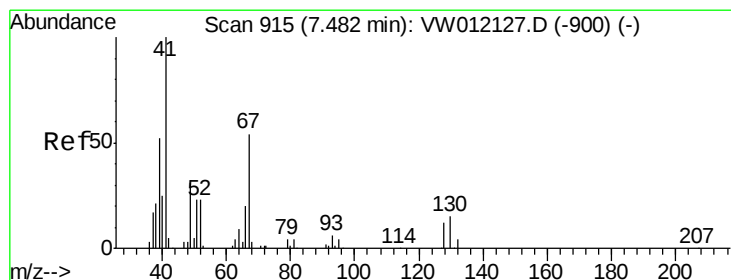
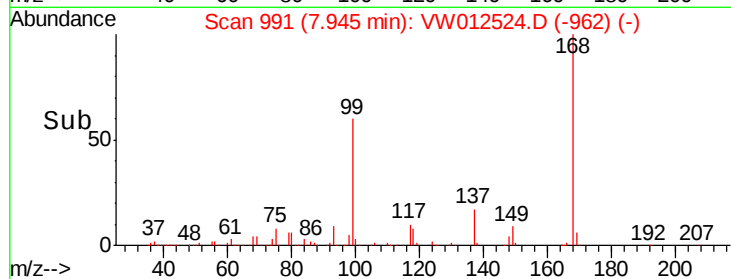
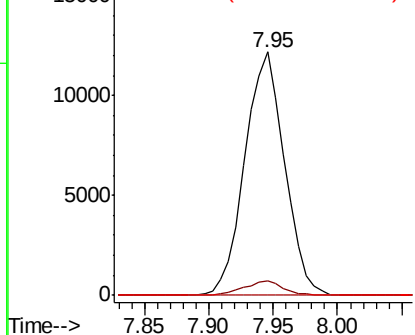
#38
Carbon Tetrachloride
Concen: 6.791 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012524.D
Acq: 03 Sep 2019 03:15

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C1-(0)

Tgt Ion: 117 Resp: 25902
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 23.8 35.8#

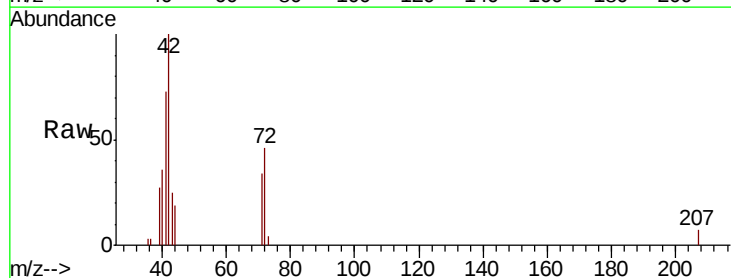


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

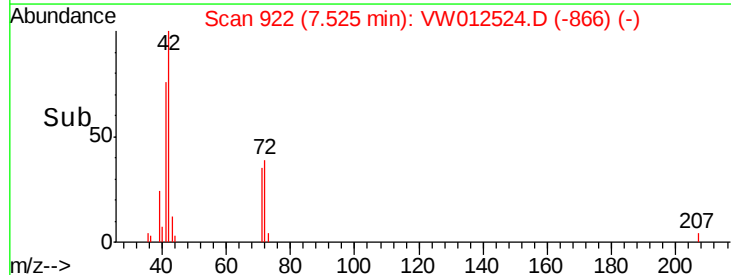
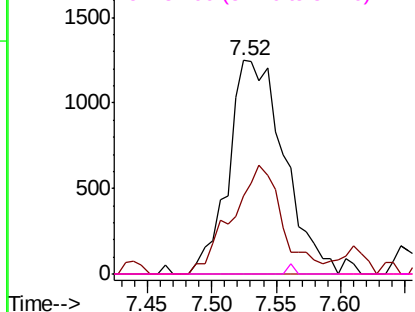


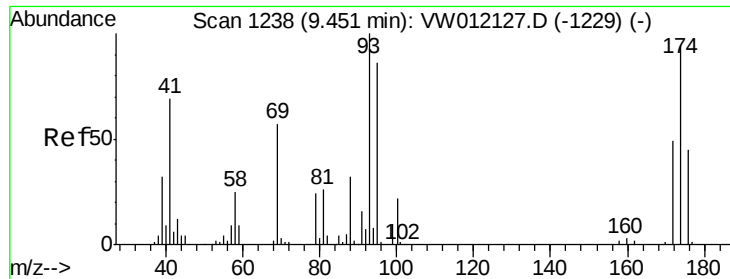
#41
Methacrylonitrile
Concen: 2.630 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012524.D
Acq: 03 Sep 2019 03:15

Tgt Ion: 41 Resp: 3733
Ion Ratio Lower Upper
41 100
39 46.4 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





#49

1,4-Dioxane

Concen: 1.224 ug/l

RT: 9.19 min Scan# 1195

Delta R.T. -0.26 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(0)

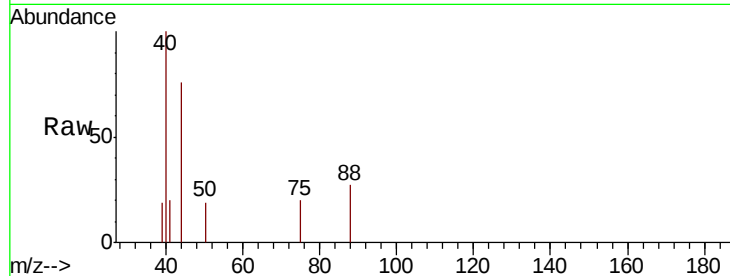
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

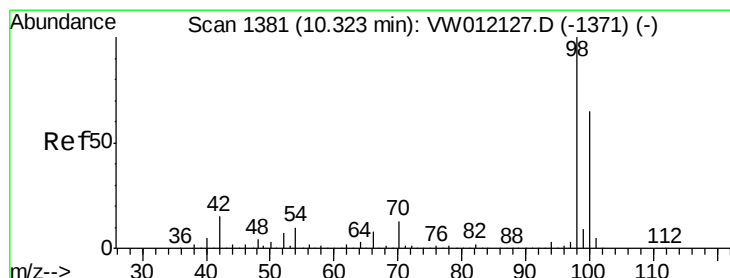
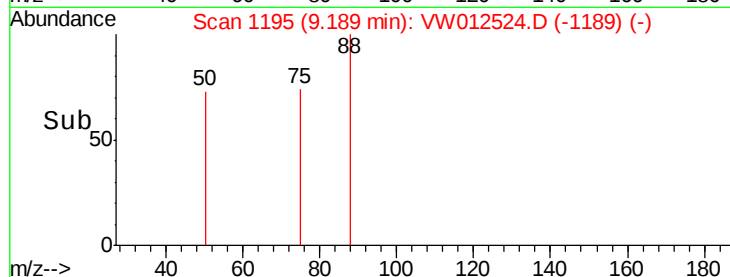
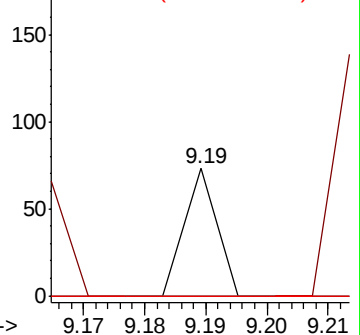
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.497 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012524.D

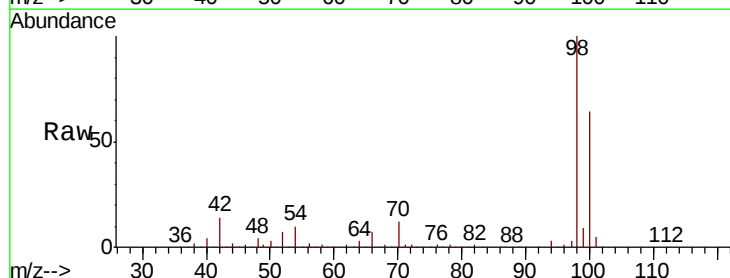
Acq: 03 Sep 2019 03:15

Tgt Ion: 98 Resp: 531539

Ion Ratio Lower Upper

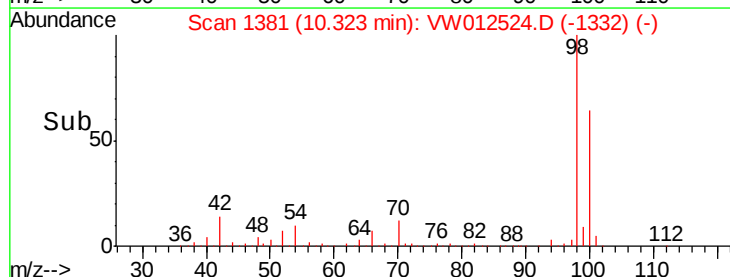
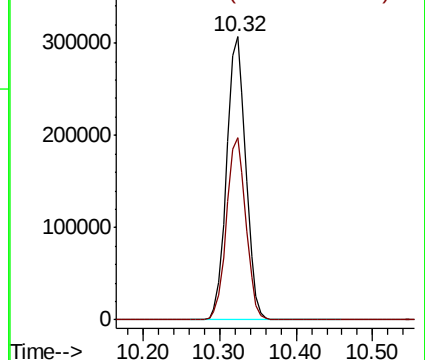
98 100

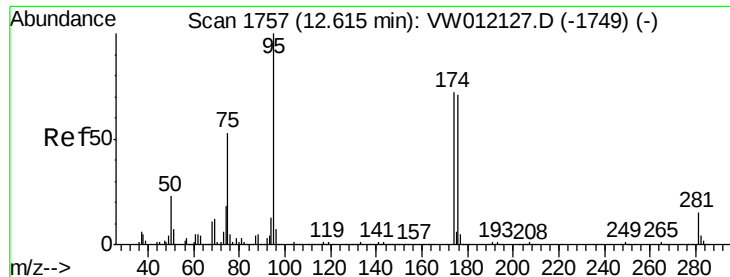
100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.585 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(0)

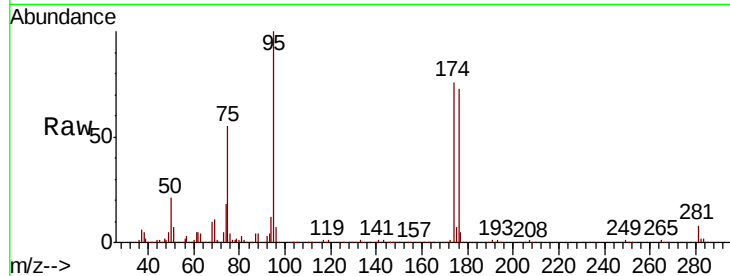
Tgt Ion: 95 Resp: 165854

Ion Ratio Lower Upper

95 100

174 79.4 0.0 150.8

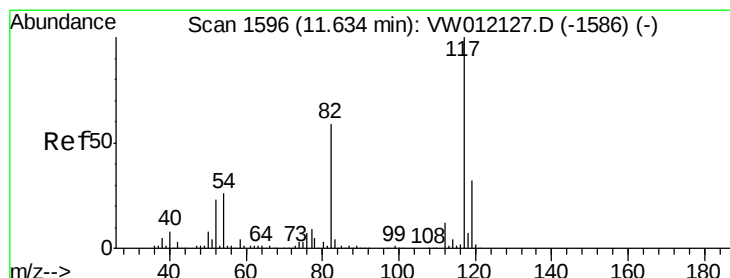
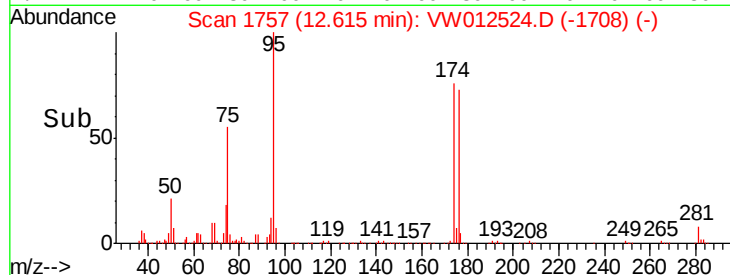
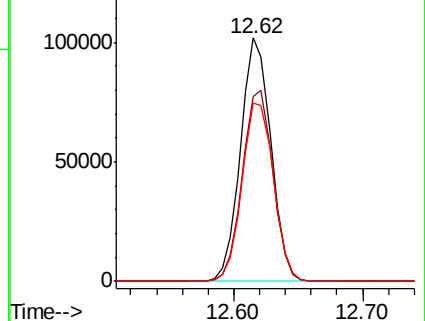
176 76.4 0.0 148.6



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: VW012524.D

Acq: 03 Sep 2019 03:15

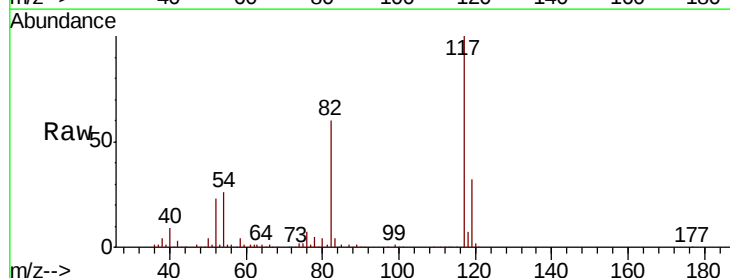
Tgt Ion: 117 Resp: 364842

Ion Ratio Lower Upper

117 100

82 60.2 47.4 71.2

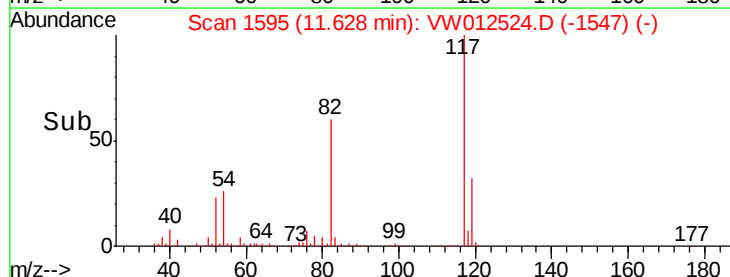
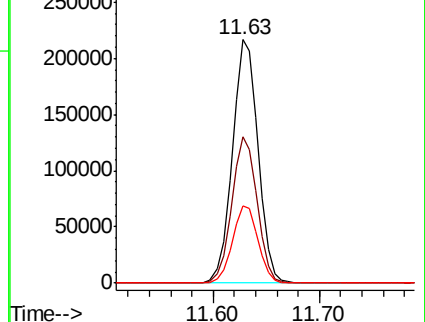
119 31.8 25.4 38.2

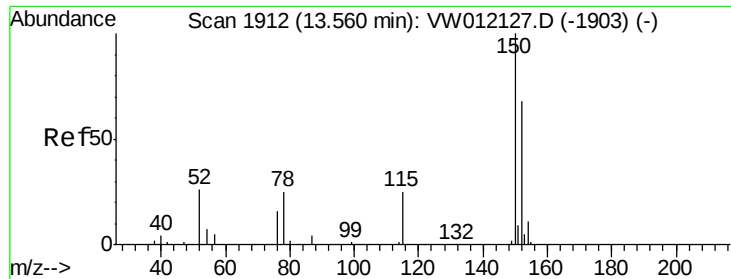


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

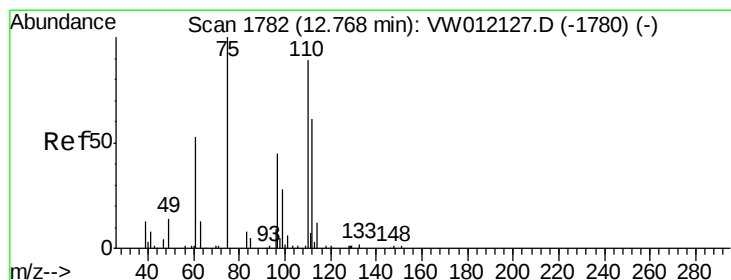
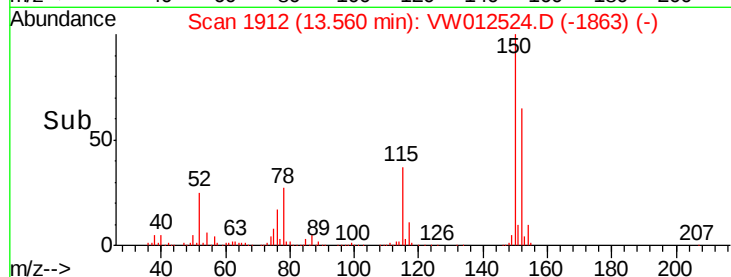
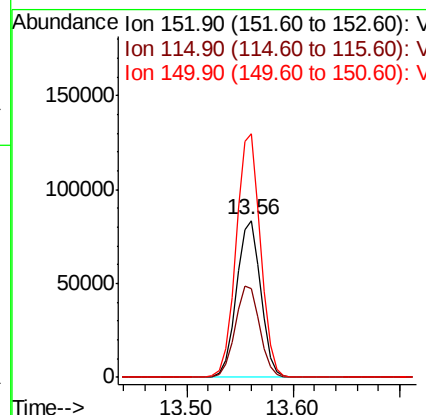
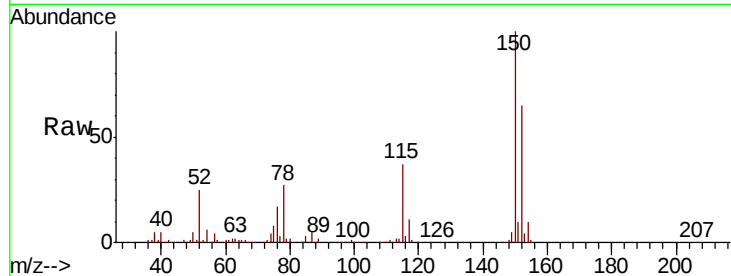




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012524.D
 Acq: 03 Sep 2019 03:15

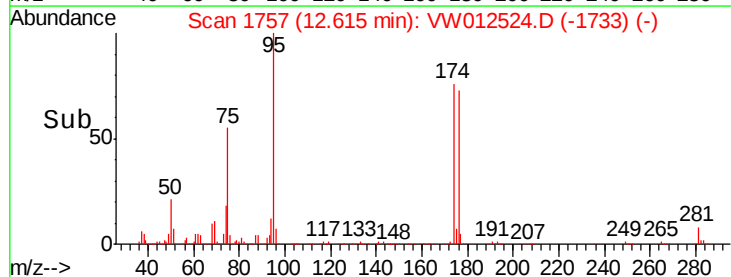
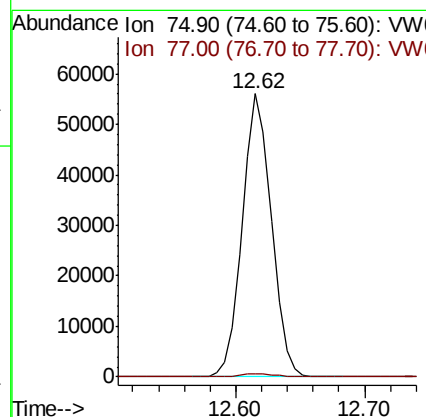
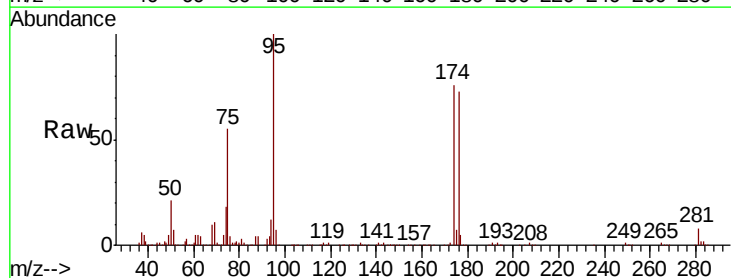
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C1-(0)

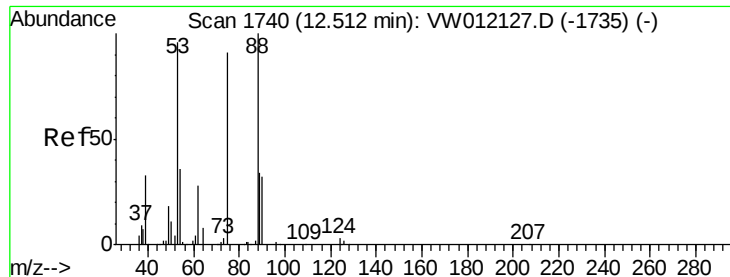
Tgt Ion:152 Resp: 133809
 Ion Ratio Lower Upper
 152 100
 115 59.0 30.1 90.3
 150 155.6 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 67.175 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012524.D
 Acq: 03 Sep 2019 03:15

Tgt Ion: 75 Resp: 87543
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.284 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C1-(0)

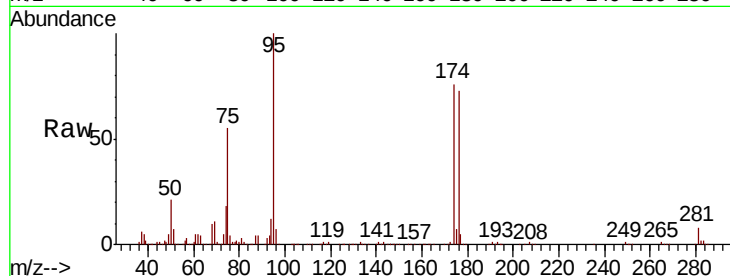
Tgt Ion: 75 Resp: 87543

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

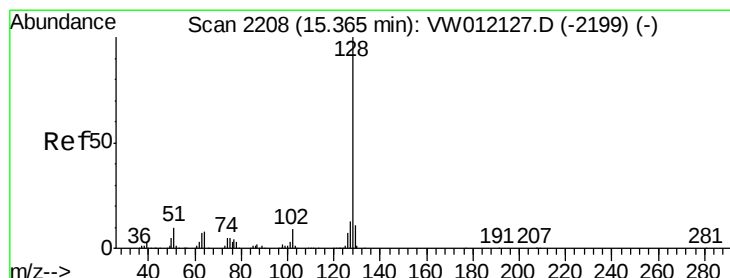
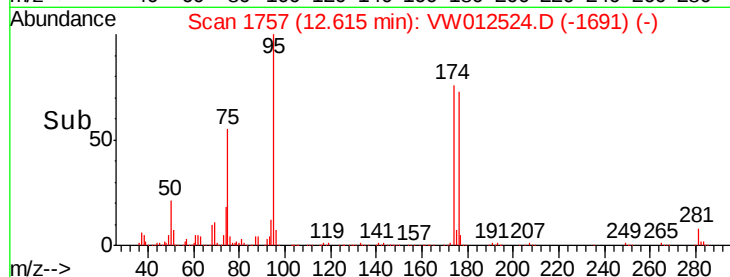
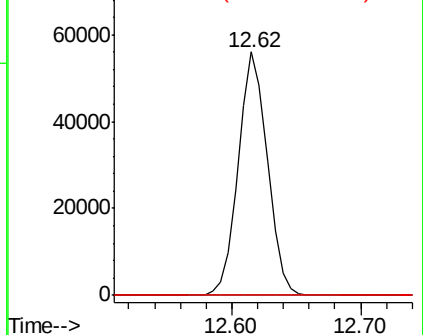
89 0.1 34.5 51.7#



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: 4.404 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012524.D

Acq: 03 Sep 2019 03:15

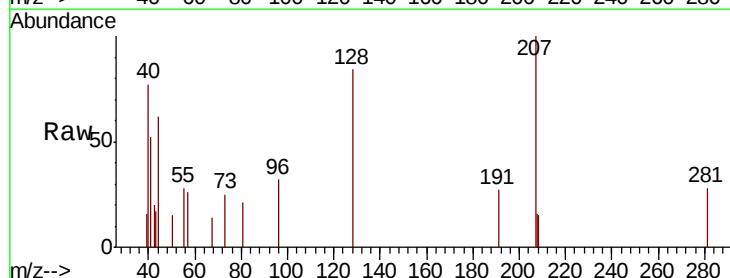
Tgt Ion: 128 Resp: 459

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

