

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012520.D
 Acq On : 03 Sep 2019 01:31
 Operator : SY/VA
 Sample : K4544-06
 Misc : 4.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B1-(2.25)

Quant Time: Sep 03 07:45:27 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	262127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130627	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	152775	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.88	113	125449	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.32	98	504969	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	156098	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	

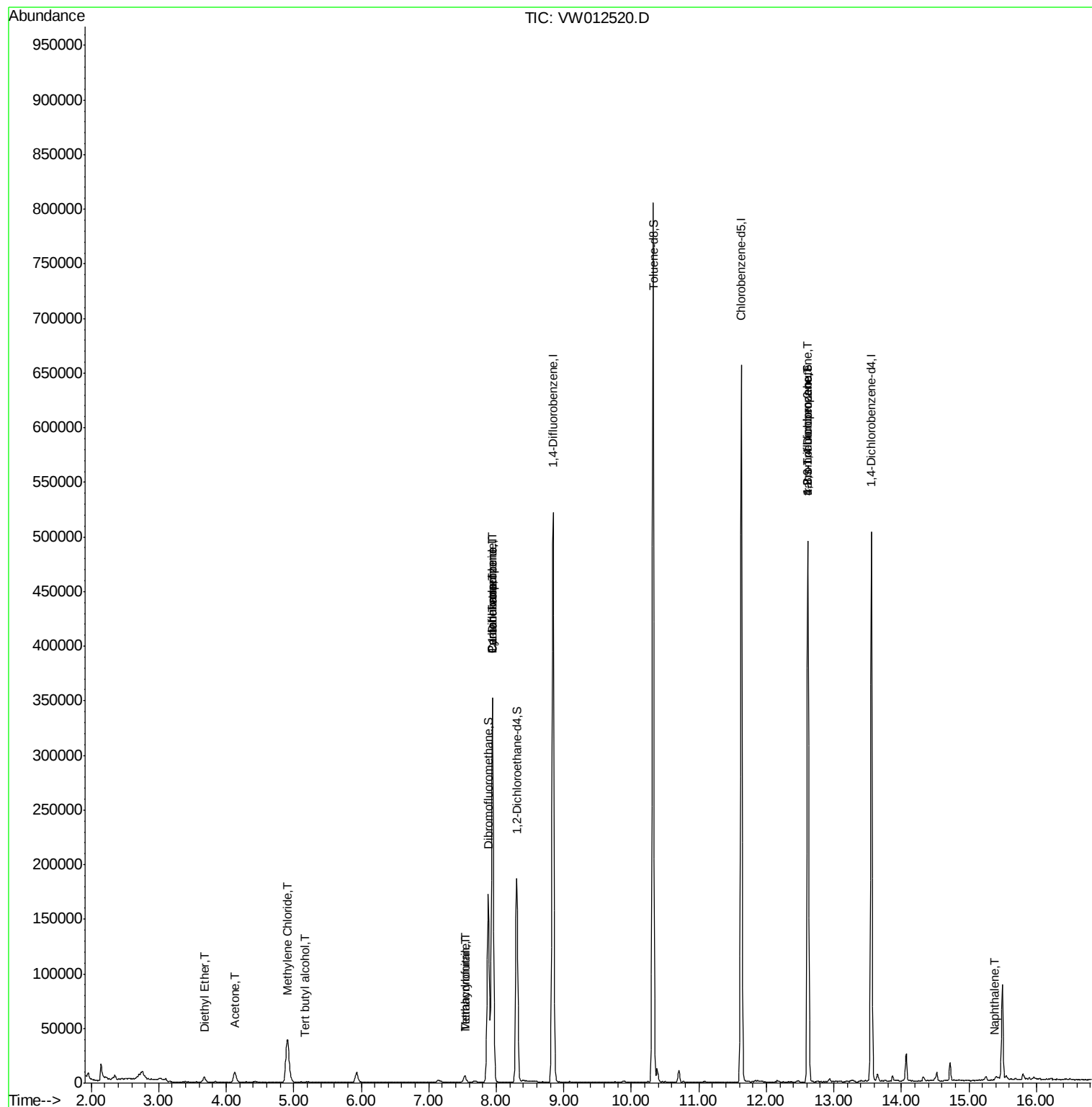
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2639	1.809	ug/l	83
11) Tert butyl alcohol	5.17	59	214	1.141	ug/l #	71
16) Acetone	4.12	43	18893	23.719	ug/l	96
20) Methylene Chloride	4.90	84	29637	9.842	ug/l	95
29) Tetrahydrofuran	7.53	42	5420	8.346	ug/l	98
31) Cyclohexane	7.95	56	6160	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21719	4.998	ug/l #	51
38) Carbon Tetrachloride	7.94	117	25592	6.804	ug/l #	16
41) Methacrylonitrile	7.53	41	3092	2.209	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	82682	64.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82682	142.494	ug/l #	6
95) Naphthalene	15.38	128	421	4.399	ug/l #	69

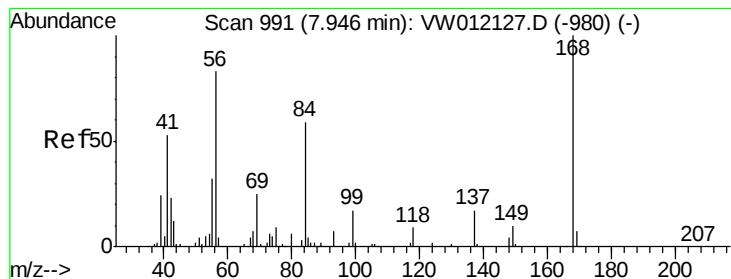
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012520.D

Acq: 03 Sep 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

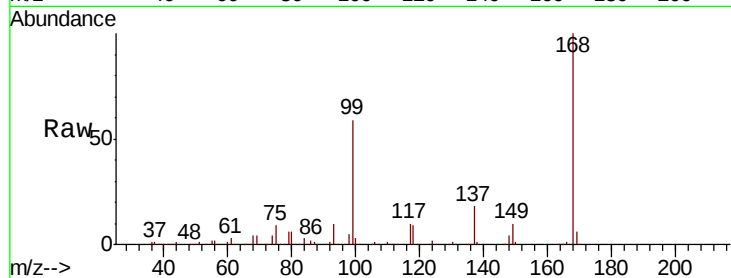
T16-17-B1-(2.25)

Tgt Ion:168 Resp: 262127

Ion Ratio Lower Upper

168 100

99 58.7 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

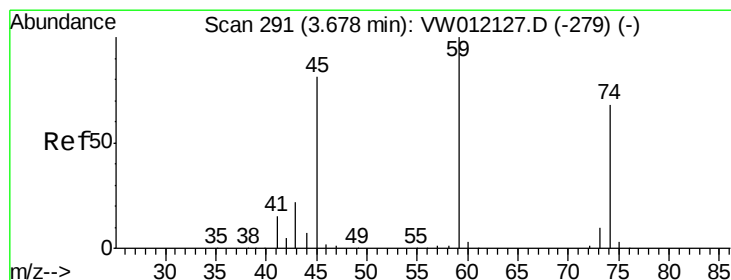
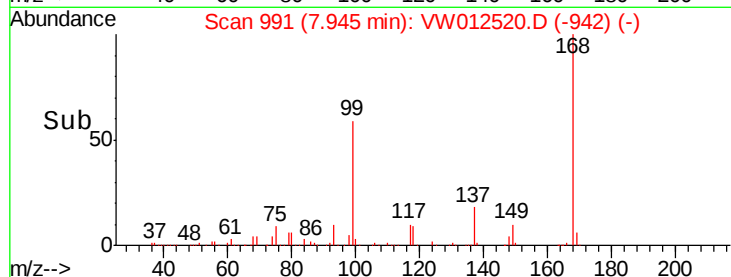
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.809 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012520.D

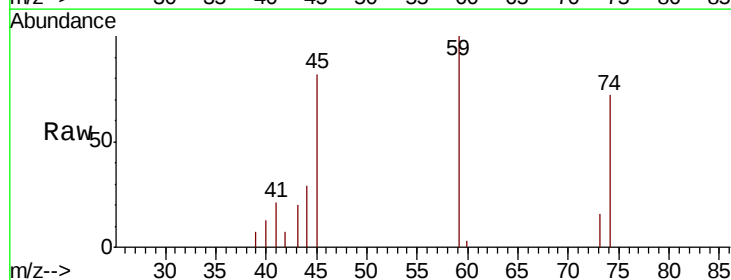
Acq: 03 Sep 2019 01:31

Tgt Ion: 74 Resp: 2639

Ion Ratio Lower Upper

74 100

45 137.4 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

1500

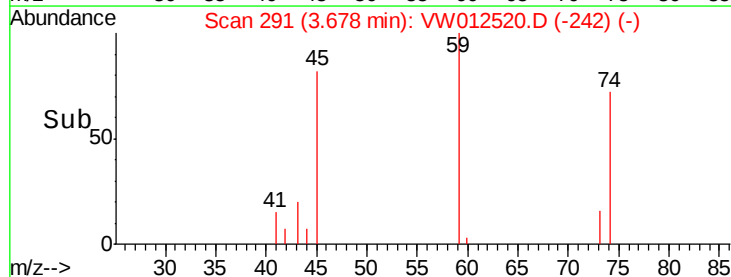
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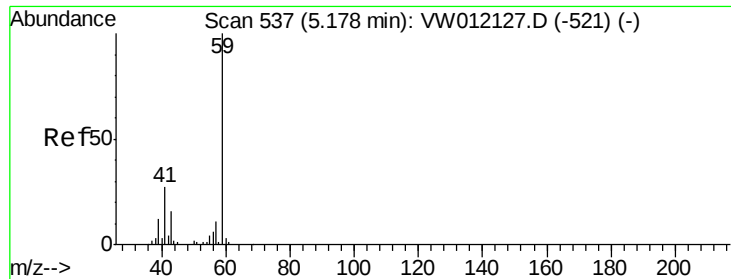
500

0

3.60 3.65 3.70 3.75

Time-->

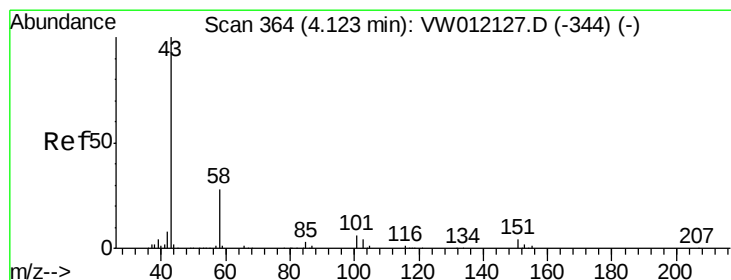
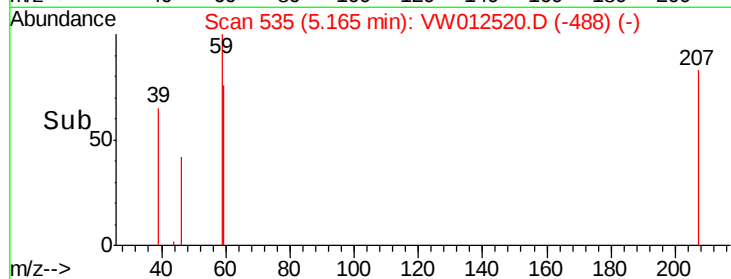
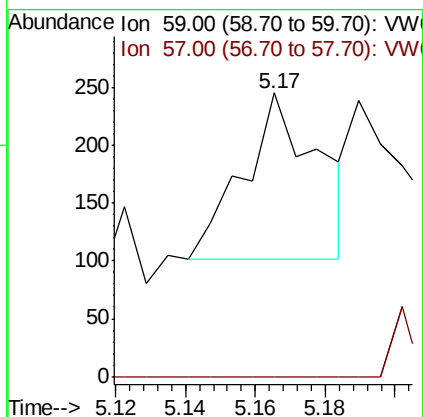
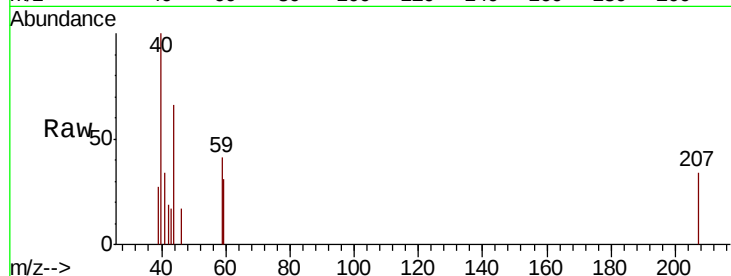




#11
Tert butyl alcohol
Concen: 1.141 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

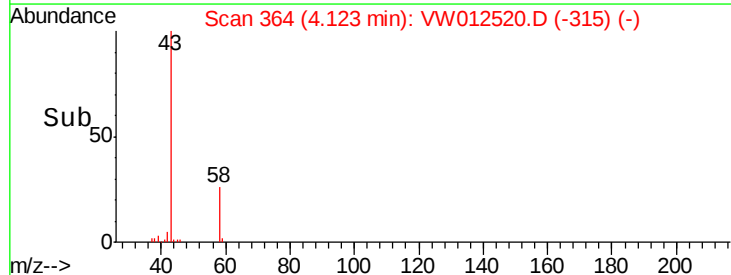
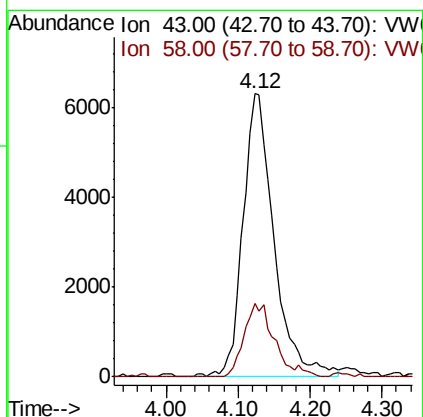
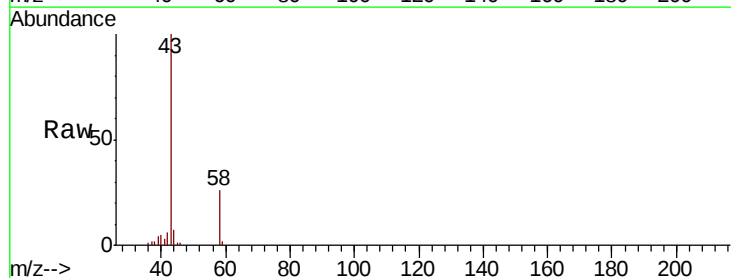
Instrument :
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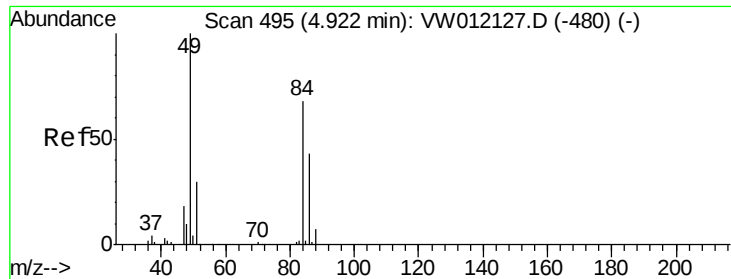
Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 23.719 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Tgt Ion: 43 Resp: 18893
Ion Ratio Lower Upper
43 100
58 25.7 22.4 33.6

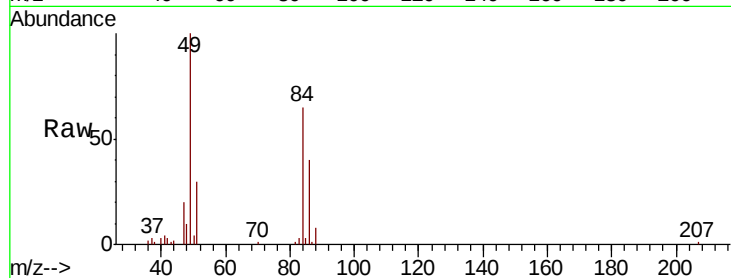




#20
Methylene Chloride
Concen: 9.842 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B1-(2.25)

Tgt Ion:	84	Resp:	29637
Ion	Ratio	Lower	Upper
84	100		
49	154.8	117.8	176.8
51	46.9	35.6	53.4
86	61.9	51.2	76.8



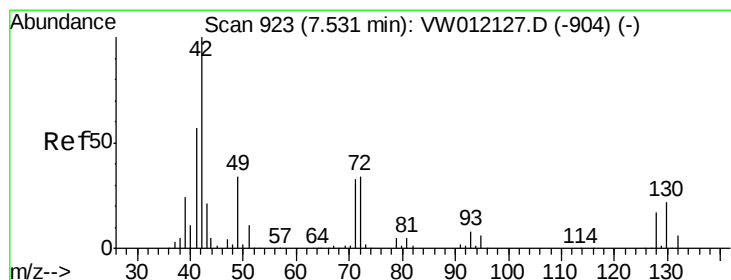
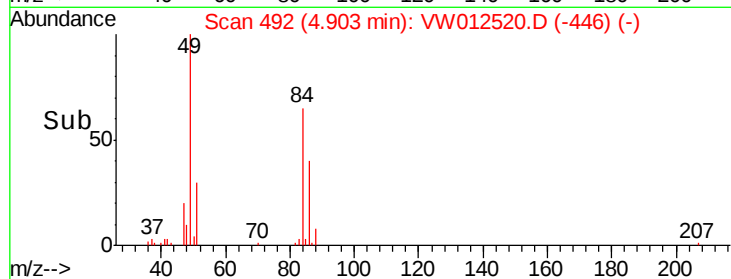
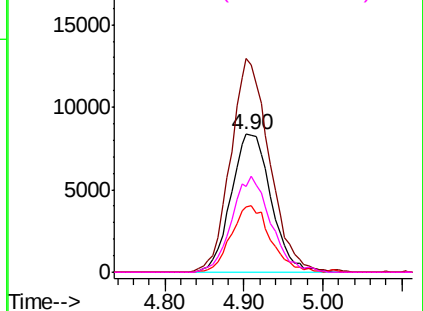
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

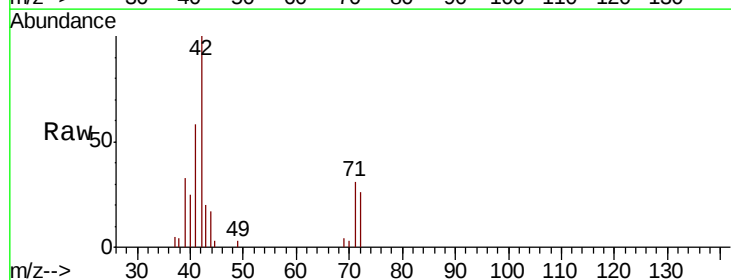
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 8.346 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Tgt Ion:	42	Resp:	5420
Ion	Ratio	Lower	Upper
42	100		
72	33.0	27.3	40.9
71	32.9	25.5	38.3

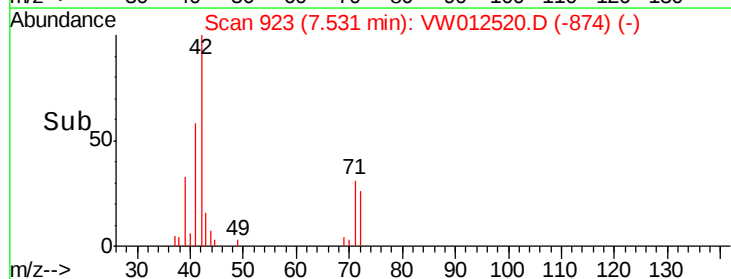
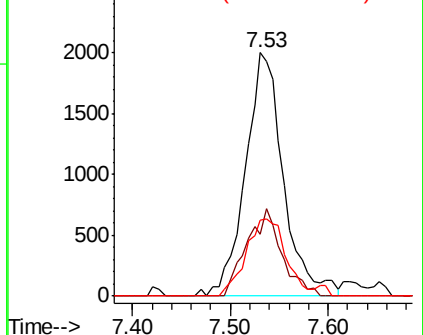


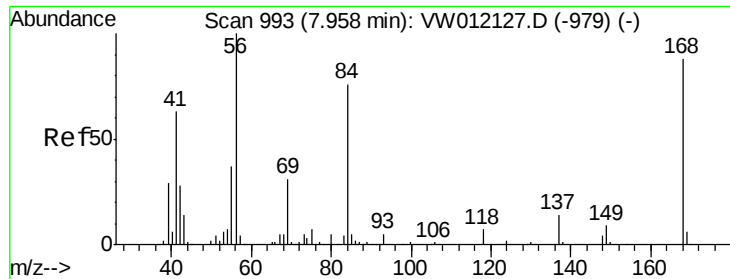
Abundance

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

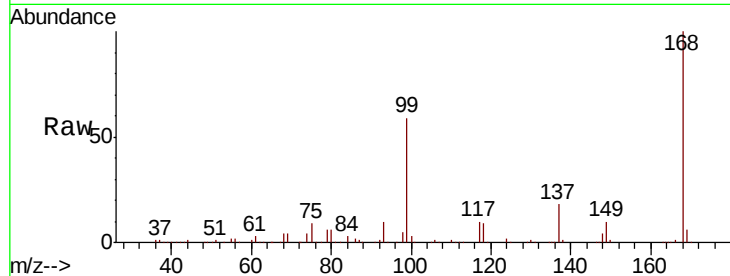




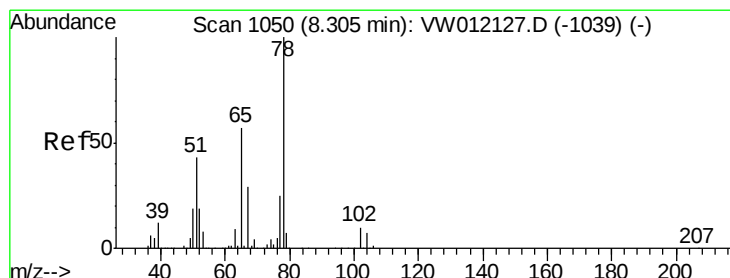
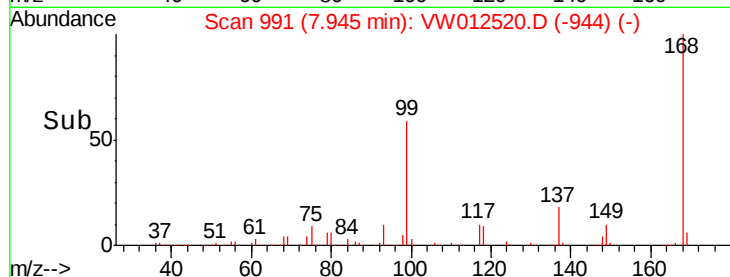
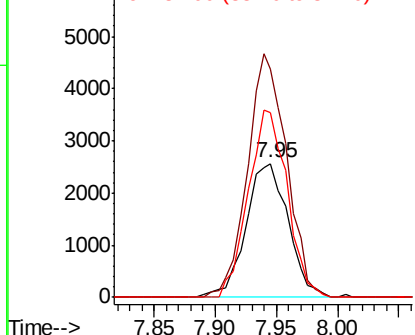
#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Instrument :
MSVOA_W
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T16-17-B1-(2.25)

Tgt Ion: 56 Resp: 6160
Ion Ratio Lower Upper
56 100
69 171.0 24.9 37.3#
84 138.1 60.6 90.8#

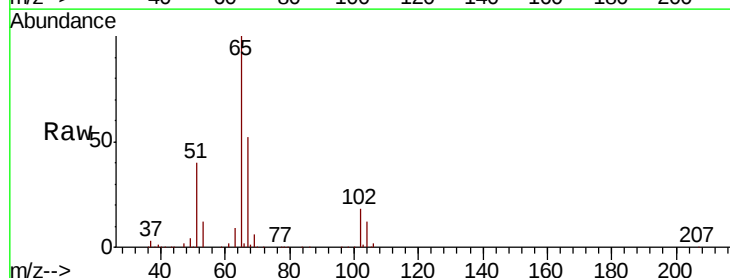


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

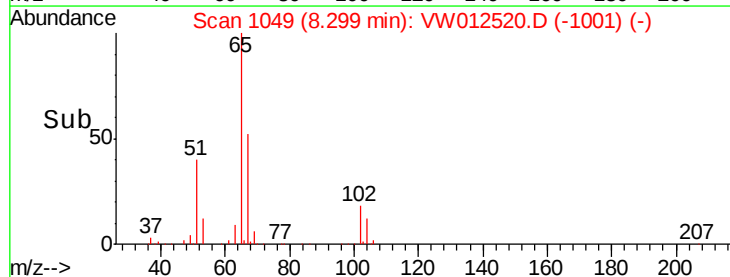
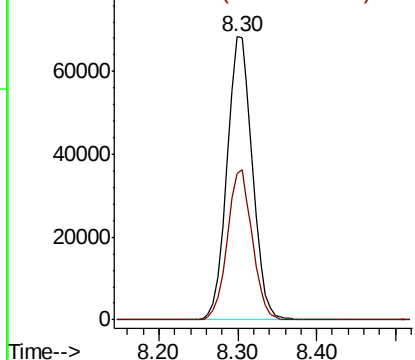


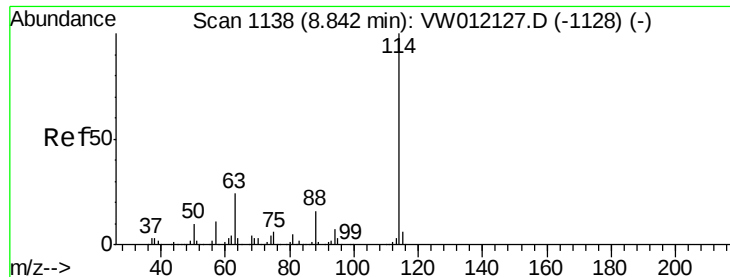
#33
1,2-Dichloroethane-d4
Concen: 49.028 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Tgt Ion: 65 Resp: 152775
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.6



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

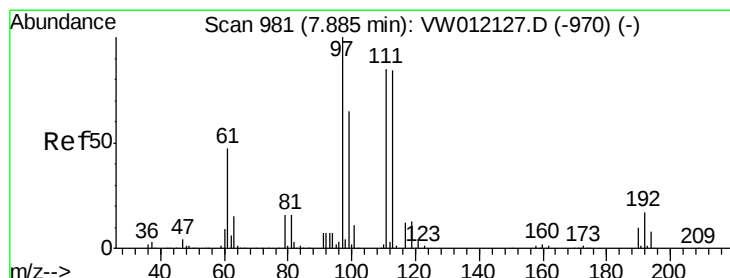
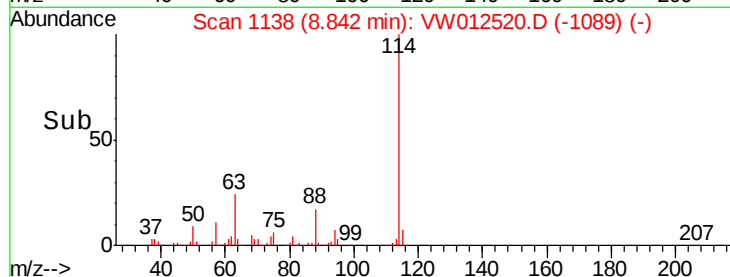
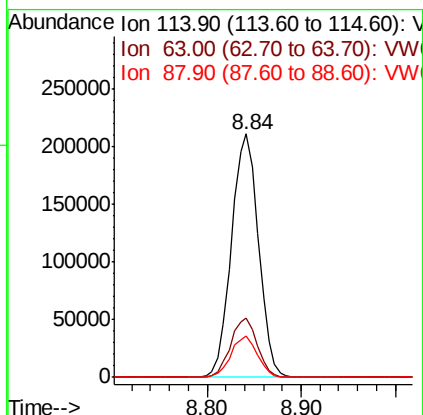
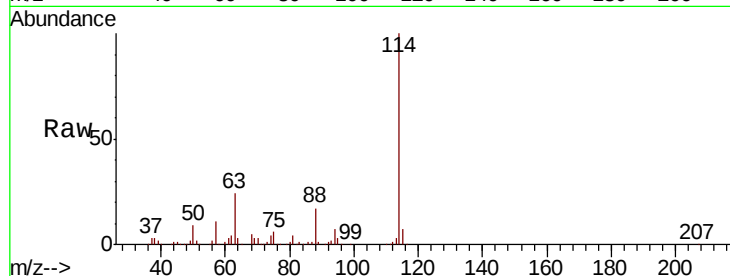




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012520.D
 Acq: 03 Sep 2019 01:31

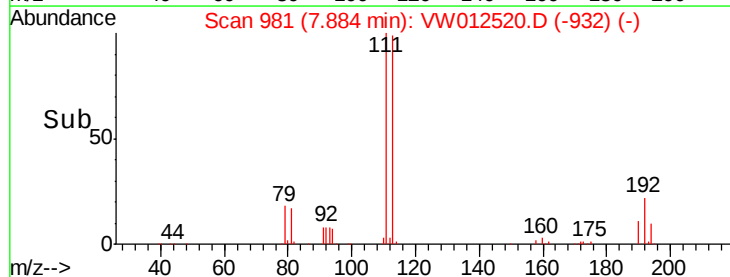
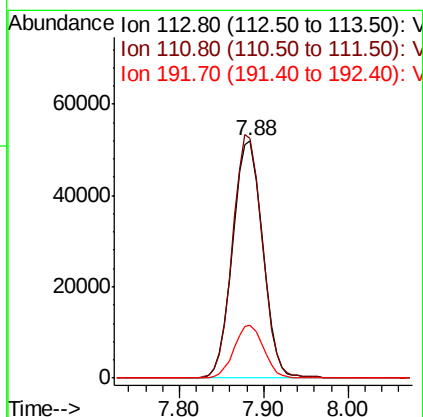
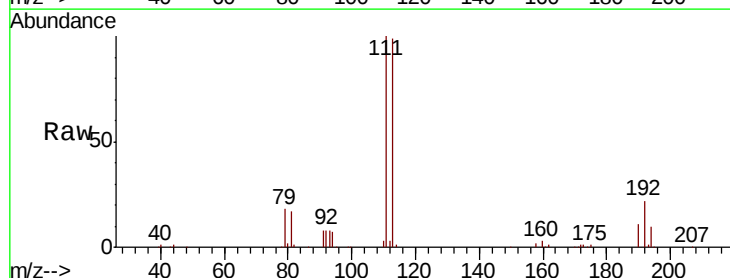
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 T16-17-B1-(2.25)

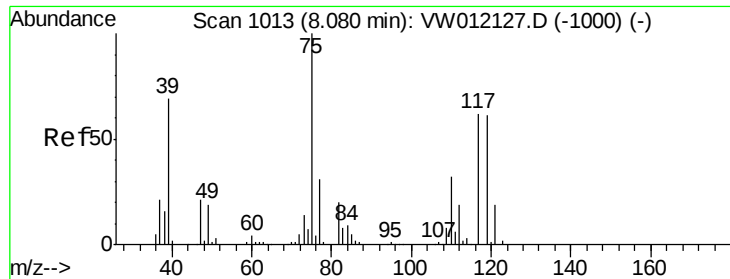
Tgt Ion:114 Resp: 420521
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.8 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 49.978 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012520.D
 Acq: 03 Sep 2019 01:31

Tgt Ion:113 Resp: 125449
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.7 124.1
 192 21.7 16.2 24.2

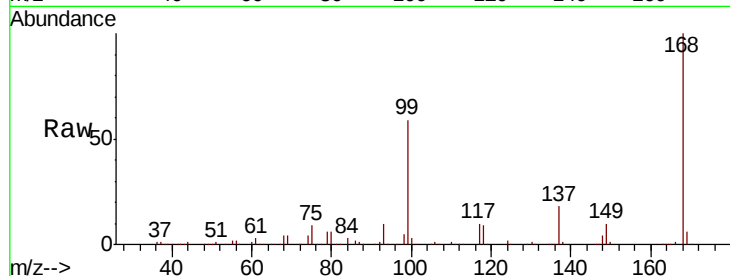




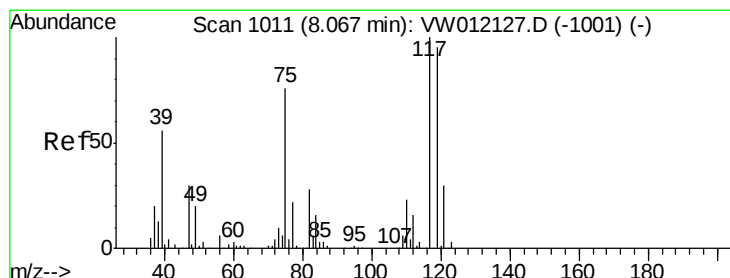
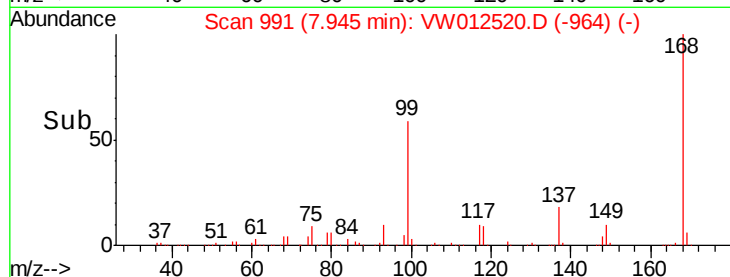
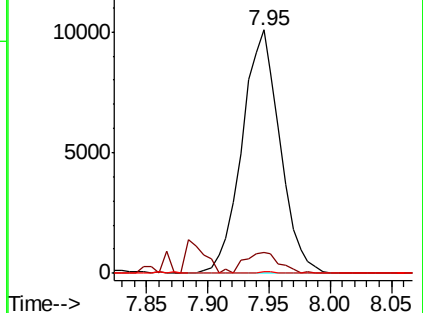
#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012520.D
 Acq: 03 Sep 2019 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B1-(2.25)

Tgt Ion: 75 Resp: 21719
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.8#
 77 0.2 24.6 36.8#

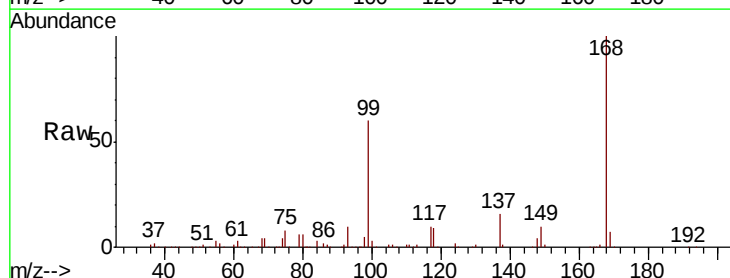


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

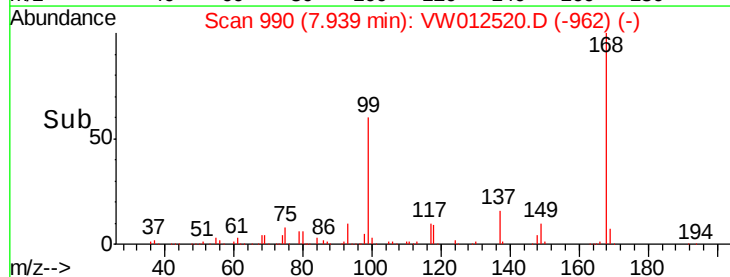
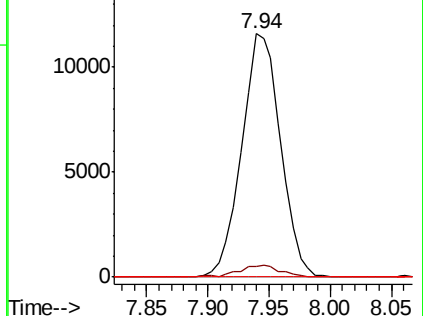


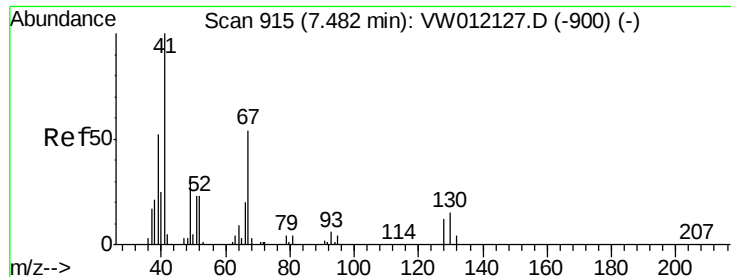
#38
 Carbon Tetrachloride
 Concen: 6.804 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012520.D
 Acq: 03 Sep 2019 01:31

Tgt Ion: 117 Resp: 25592
 Ion Ratio Lower Upper
 117 100
 119 4.4 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

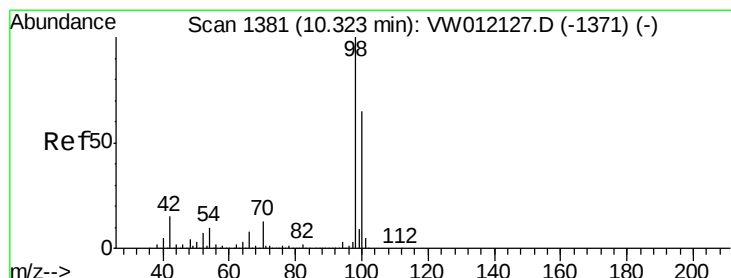
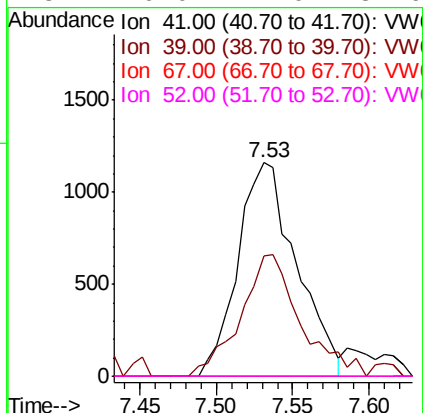
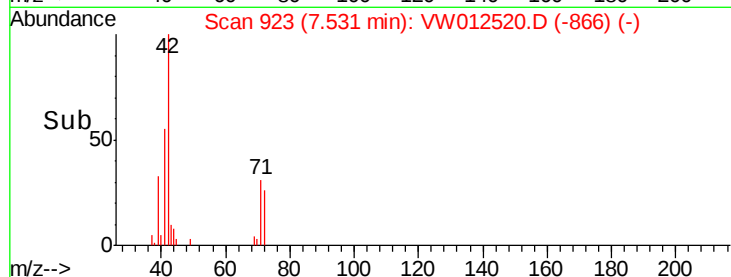
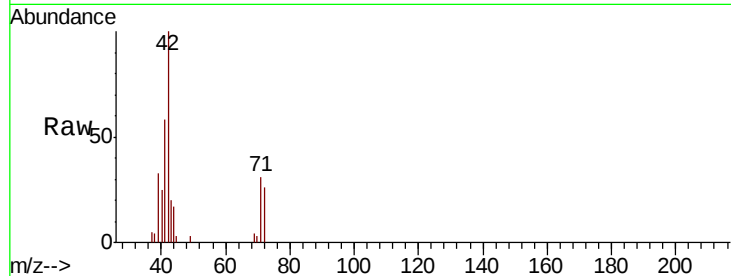




#41
Methacrylonitrile
Concen: 2.209 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

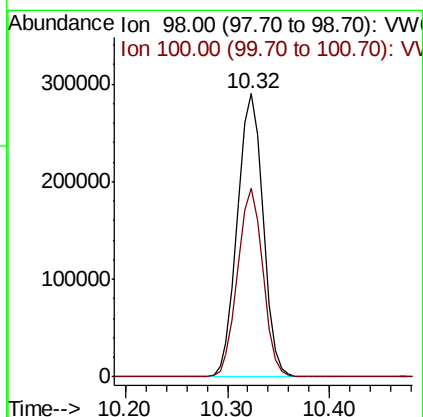
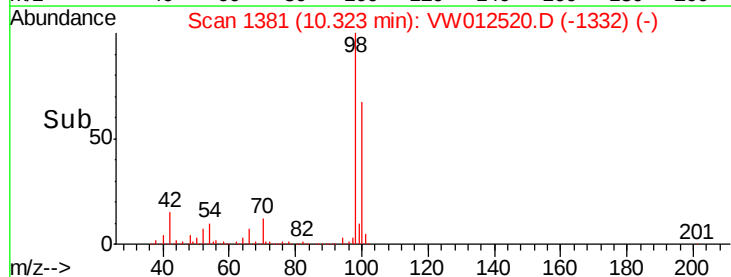
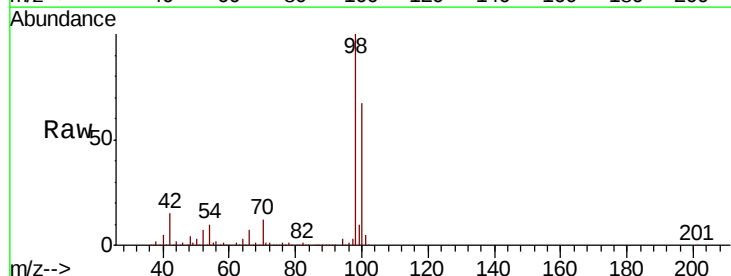
Instrument :
MSVOA_W
ClientSampled :
T16-17-B1-(2.25)

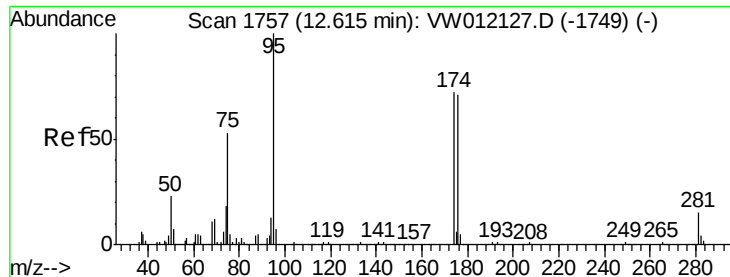
Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 49.615 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 43.510 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012520.D

Acq: 03 Sep 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(2.25)

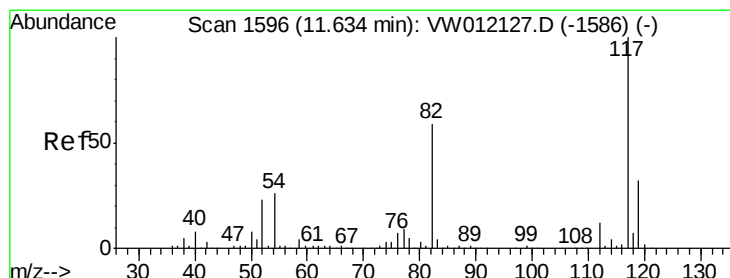
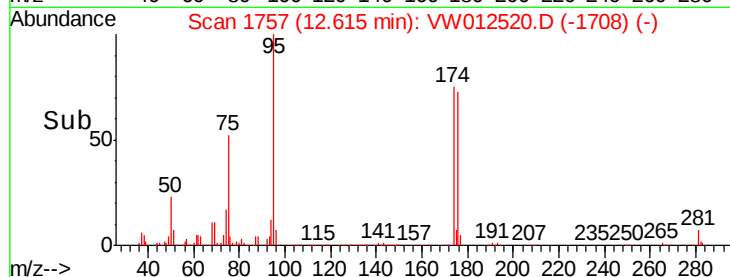
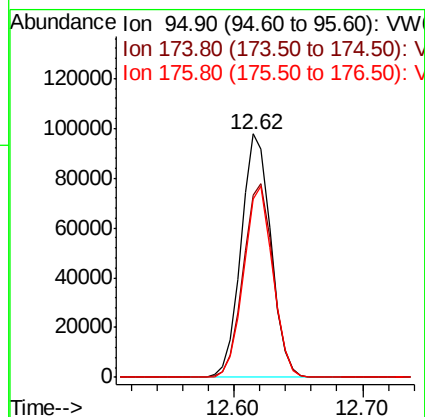
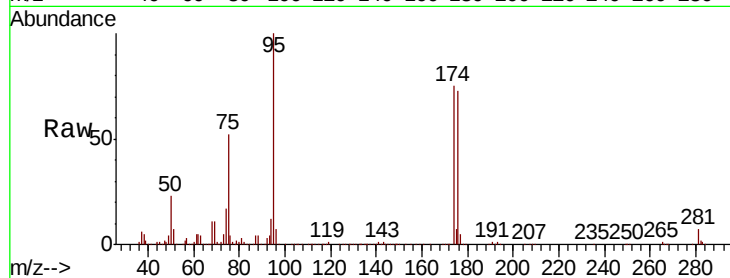
Tgt Ion: 95 Resp: 156098

Ion Ratio Lower Upper

95 100

174 79.4 0.0 150.8

176 76.6 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: VW012520.D

Acq: 03 Sep 2019 01:31

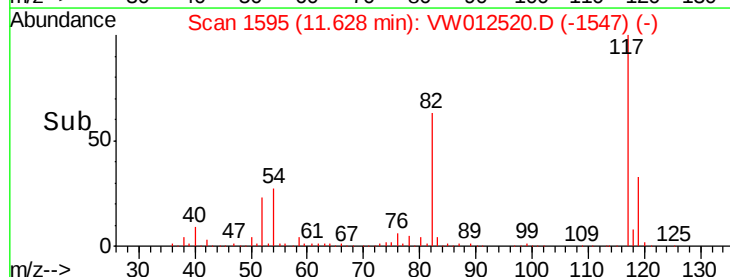
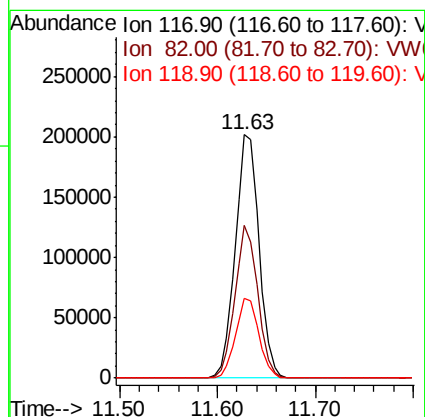
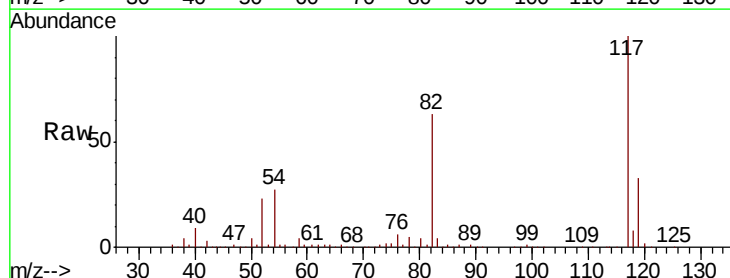
Tgt Ion: 117 Resp: 339524

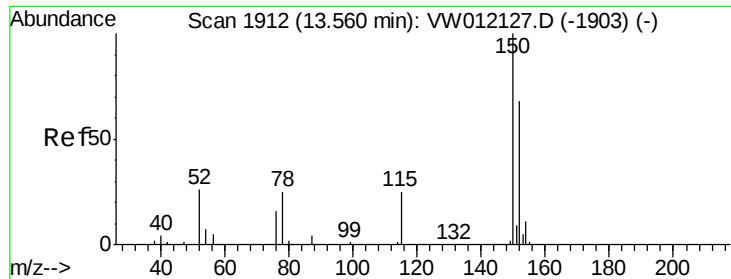
Ion Ratio Lower Upper

117 100

82 62.7 47.4 71.2

119 32.7 25.4 38.2



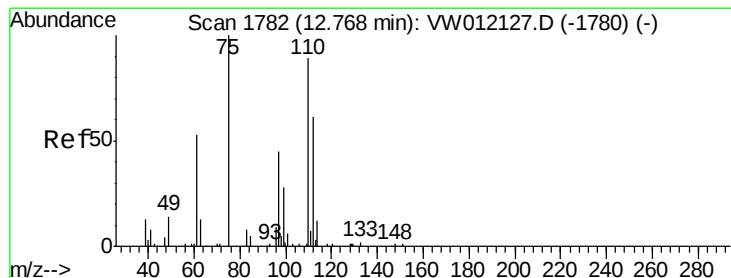
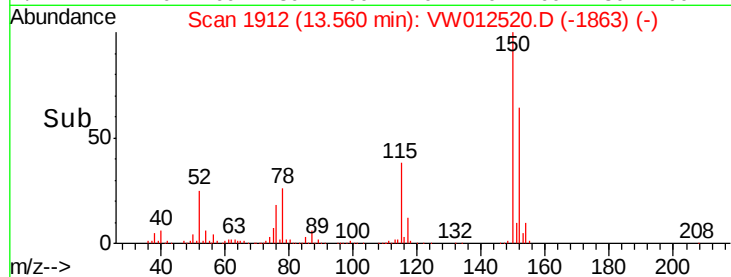
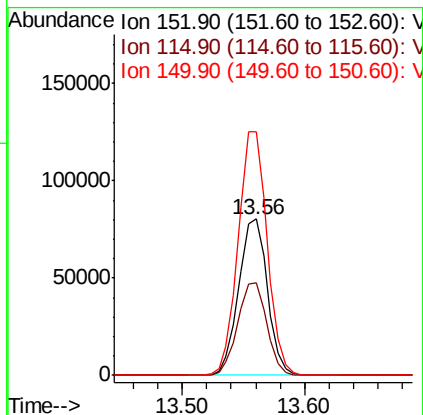
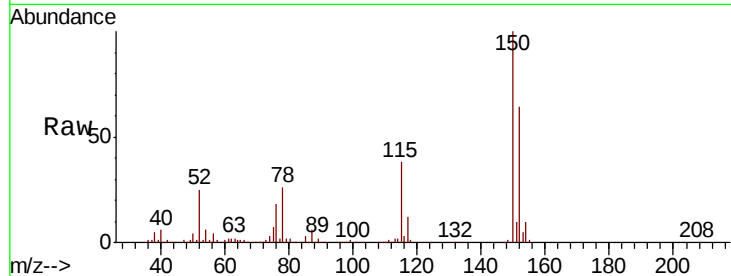


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B1-(2.25)

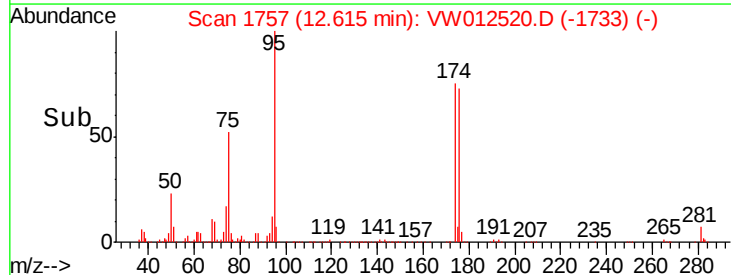
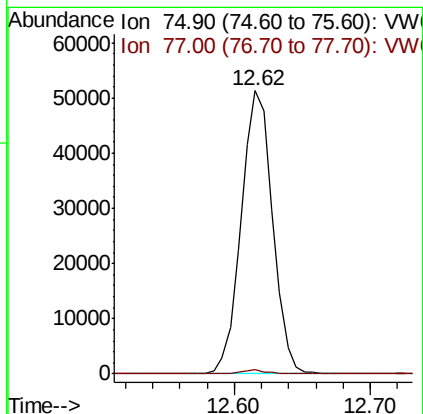
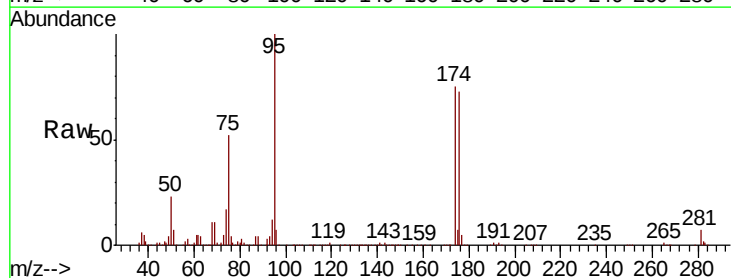
Tgt Ion:152 Resp: 130627
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 157.3 0.0 345.8

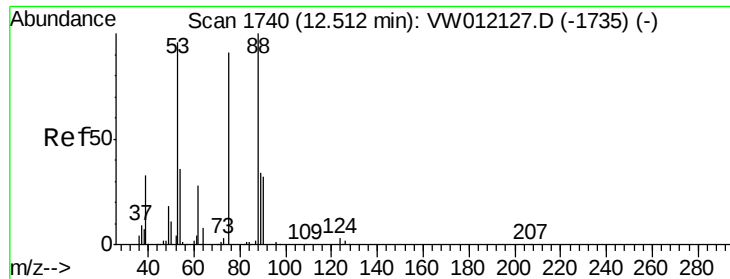


#76

1,2,3-Trichloropropane
Concen: 64.991 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012520.D
Acq: 03 Sep 2019 01:31

Tgt Ion: 75 Resp: 82682
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 142.494 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012520.D

Acq: 03 Sep 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(2.25)

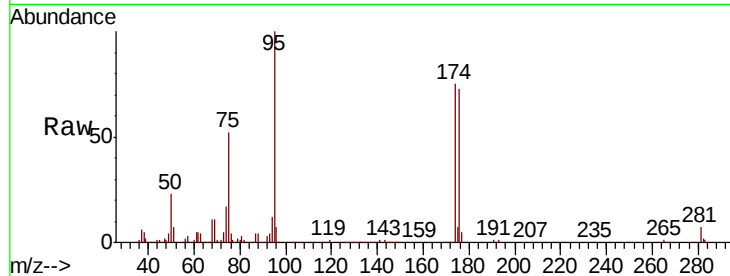
Tgt Ion: 75 Resp: 82682

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

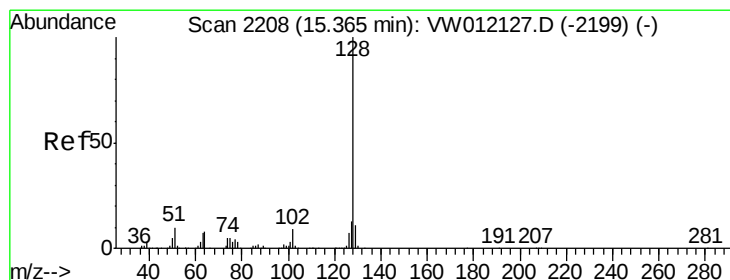
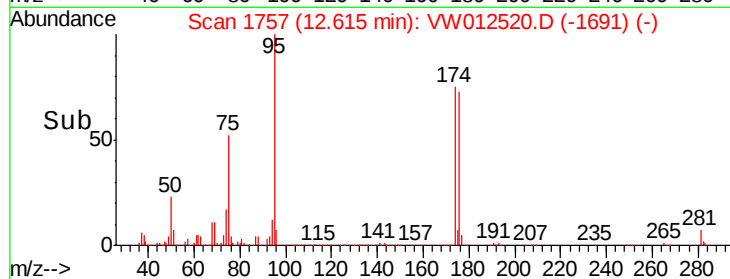
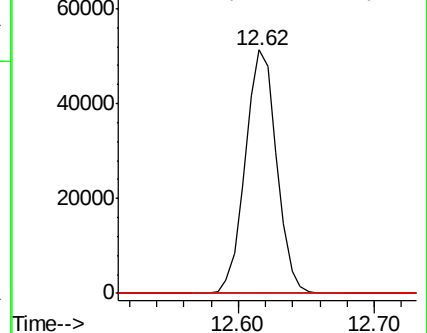
89 0.0 34.5 51.7#



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: 4.399 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012520.D

Acq: 03 Sep 2019 01:31

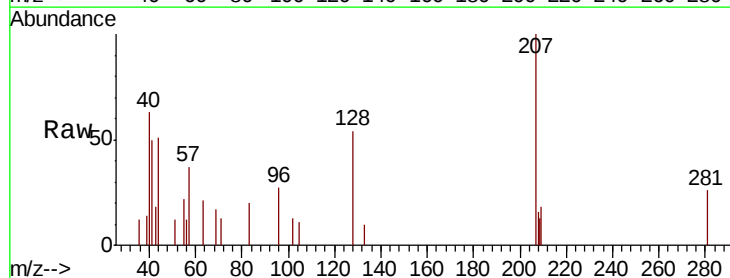
Tgt Ion: 128 Resp: 421

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

