

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012523.D
 Acq On : 03 Sep 2019 02:49
 Operator : SY/VA
 Sample : K4544-09
 Misc : 6.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B4-(2.25)

Quant Time: Sep 03 07:45:56 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	255145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106685	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	154713	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	7.88	113	124869	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.32	98	486825	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.62	95	139158	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	

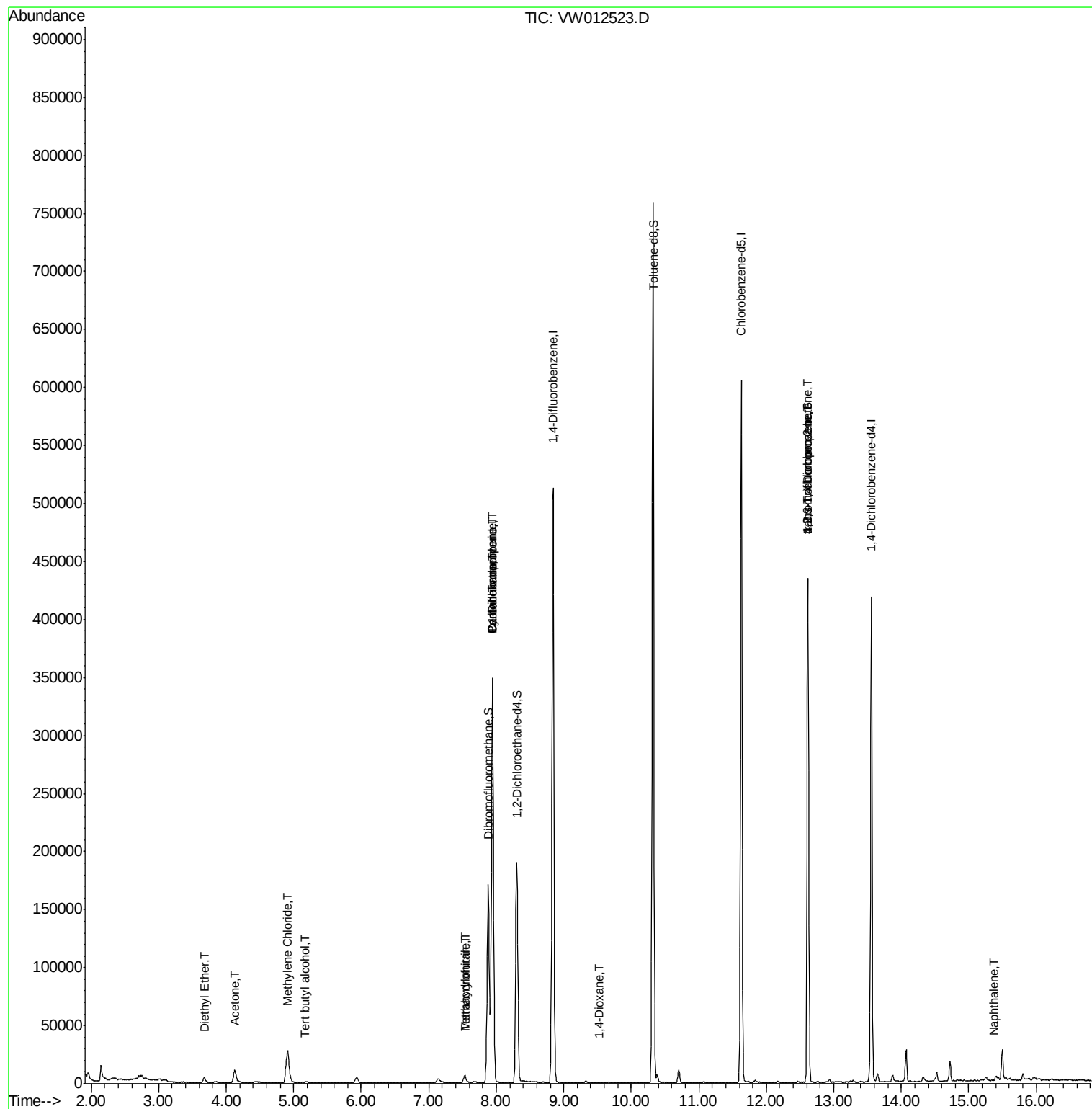
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2329	1.640	ug/l	69
11) Tert butyl alcohol	5.17	59	526	2.882	ug/l #	71
16) Acetone	4.13	43	20796	26.823	ug/l	92
20) Methylene Chloride	4.91	84	19789	6.752	ug/l	97
29) Tetrahydrofuran	7.54	42	5517	8.728	ug/l	97
31) Cyclohexane	7.95	56	6110	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20773	4.899	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25192	6.865	ug/l #	16
41) Methacrylonitrile	7.54	41	3321	2.432	ug/l #	55
49) 1,4-Dioxane	9.52	88	25	1.178	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73452	70.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73452	154.996	ug/l #	6
95) Naphthalene	15.36	128	387	4.409	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
Data File : VW012523.D
Acq On : 03 Sep 2019 02:49
Operator : SY/VA
Sample : K4544-09
Misc : 6.78G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(2.25)

Quant Time: Sep 03 07:45:56 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: VW012523.D

Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

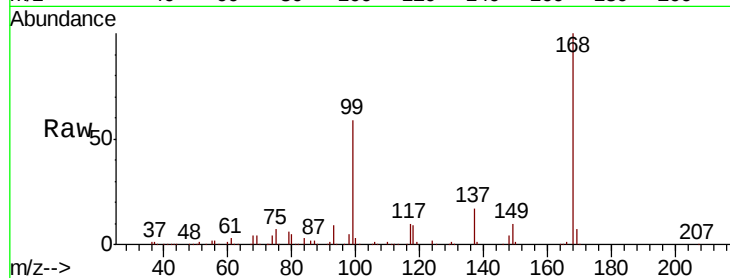
T16-17-B4-(2.25)

Tgt Ion:168 Resp: 255145

Ion Ratio Lower Upper

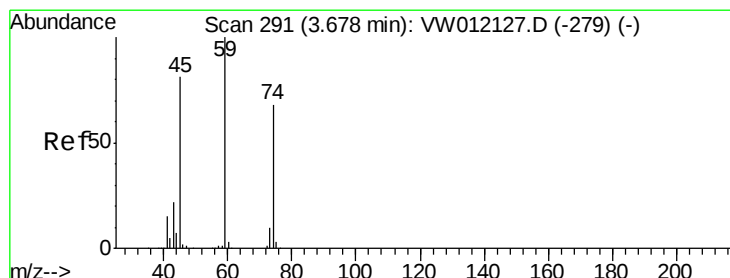
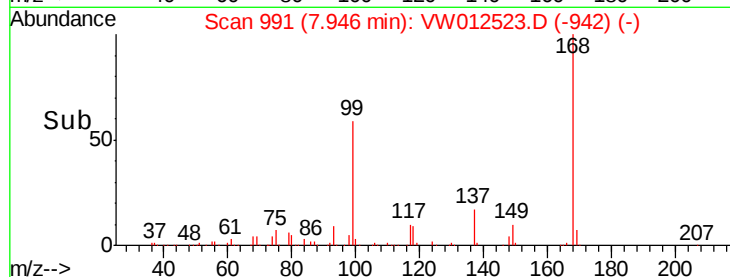
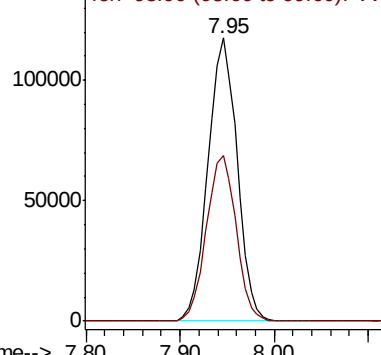
168 100

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



#8

Diethyl Ether

Concen: 1.640 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012523.D

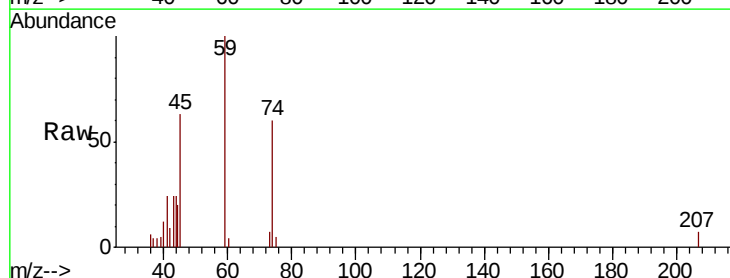
Acq: 03 Sep 2019 02:49

Tgt Ion: 74 Resp: 2329

Ion Ratio Lower Upper

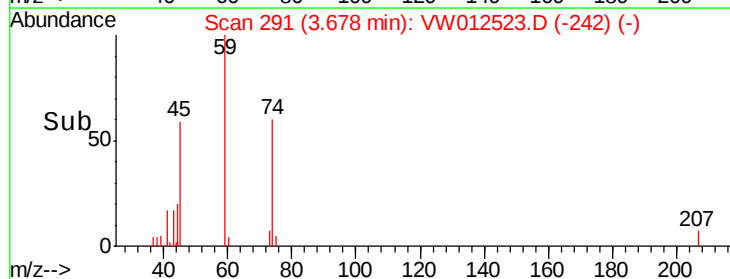
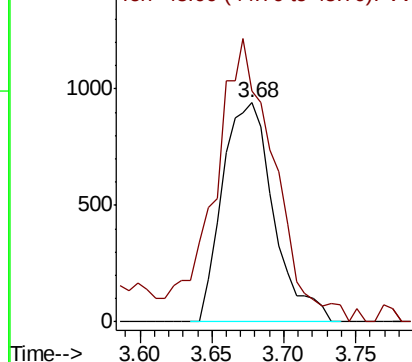
74 100

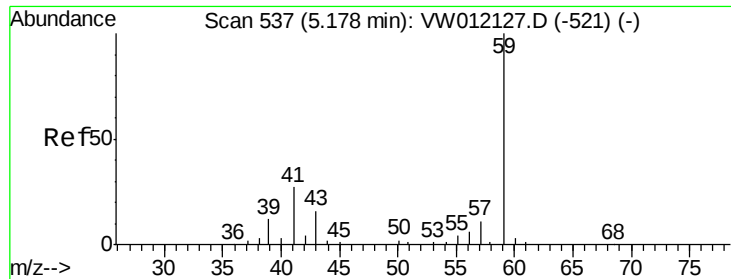
45 152.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

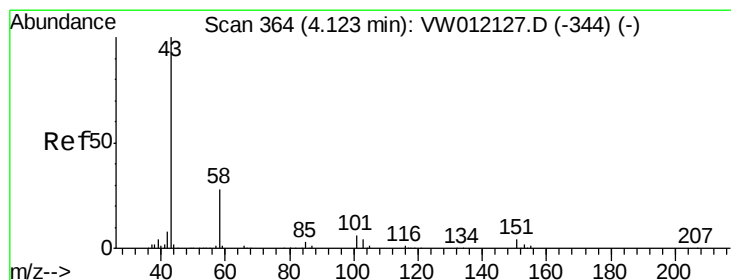
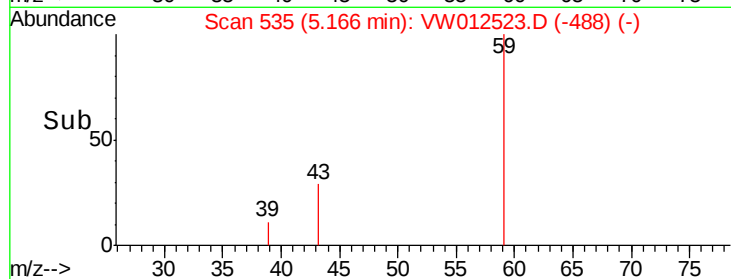
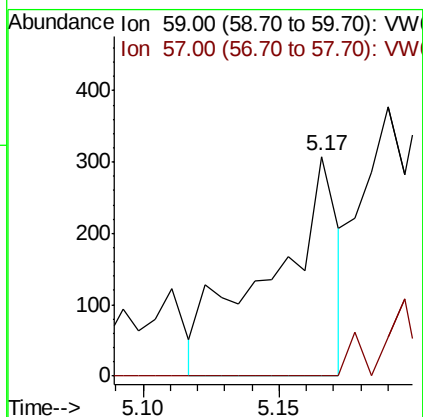
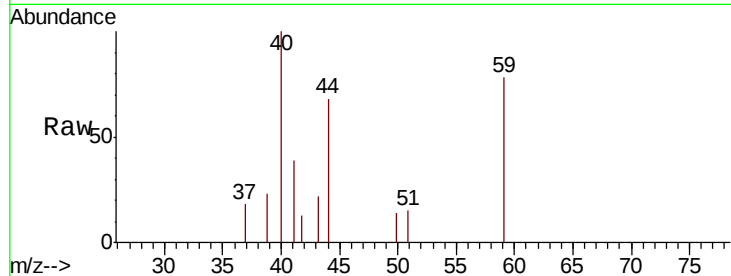




#11
Tert butyl alcohol
Concen: 2.882 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

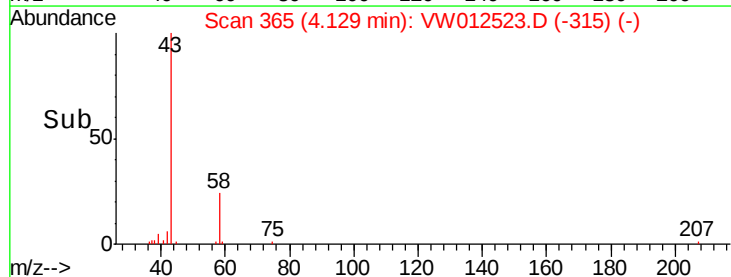
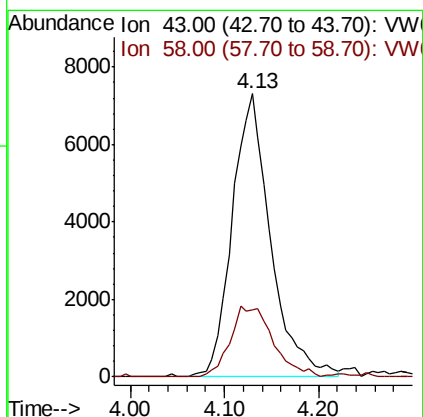
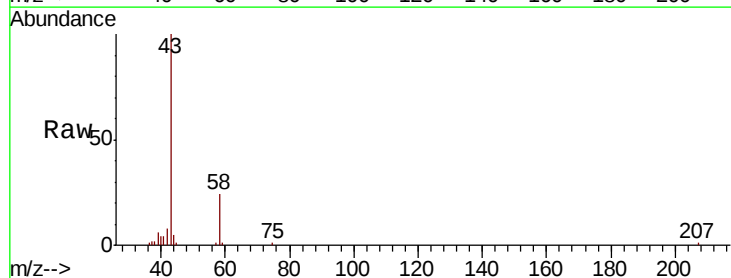
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(2.25)

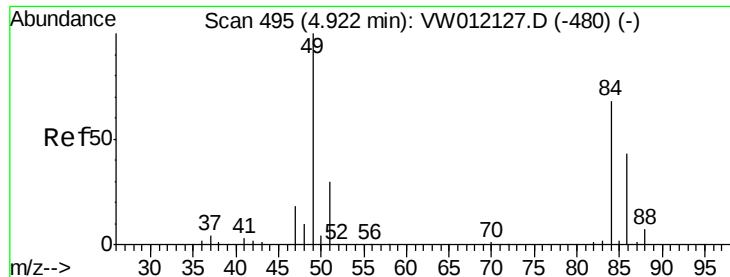
Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 26.823 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

Tgt Ion: 43 Resp: 20796
Ion Ratio Lower Upper
43 100
58 23.7 22.4 33.6

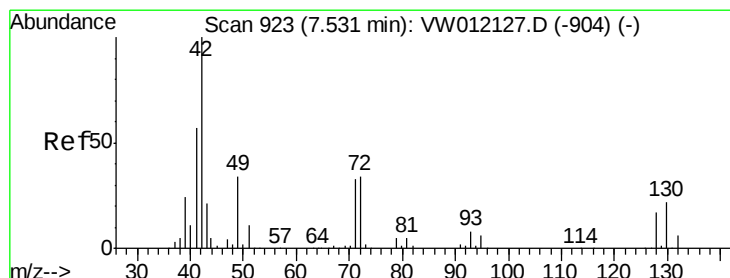
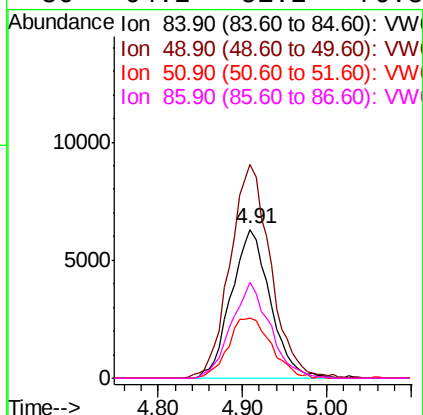
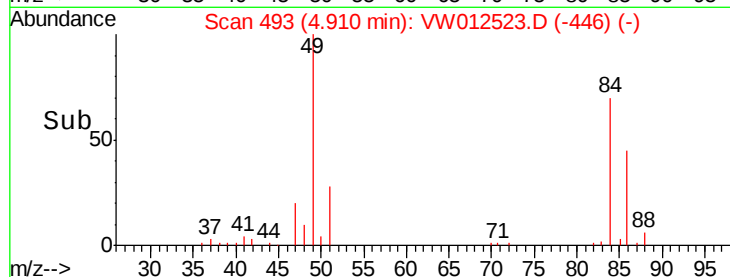
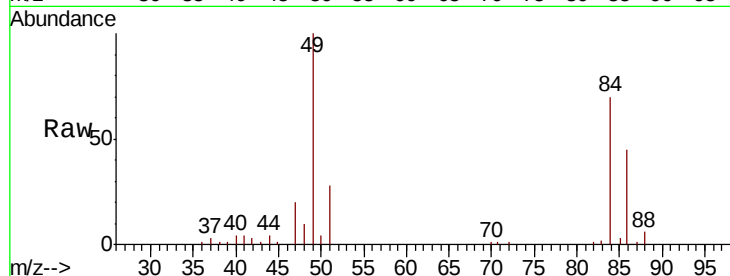




#20
Methylene Chloride
Concen: 6.752 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

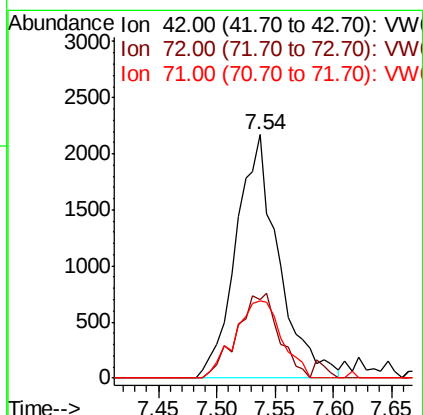
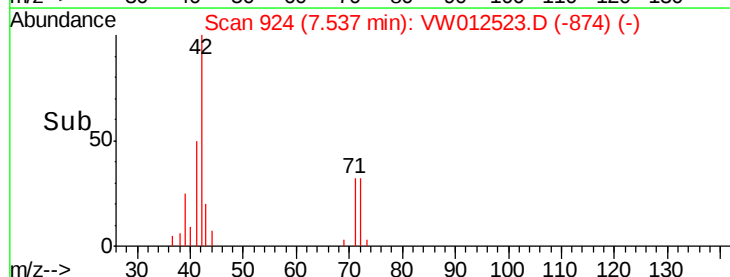
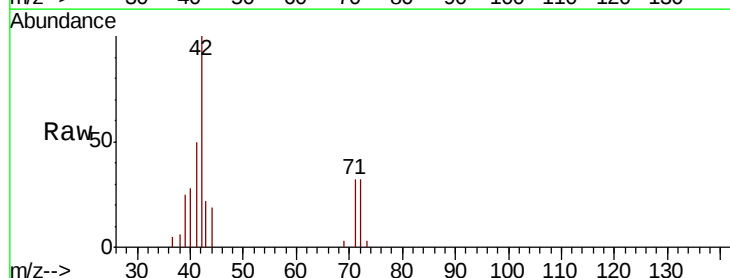
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(2.25)

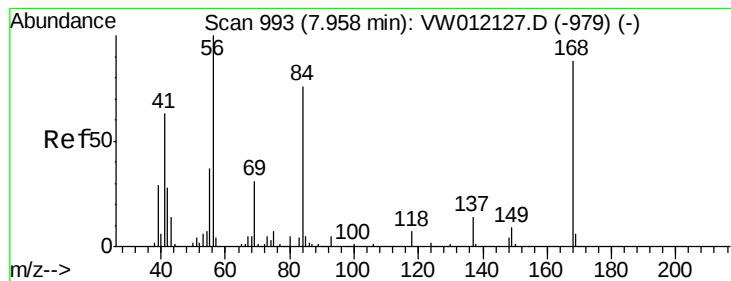
Tgt Ion:	84	Resp:	19789
Ion	Ratio	Lower	Upper
84	100		
49	142.7	117.8	176.8
51	40.4	35.6	53.4
86	64.2	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.728 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

Tgt Ion:	42	Resp:	5517
Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	34.8	25.5	38.3





#31

Cyclohexane

Concen: 1.118 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B4-(2.25)

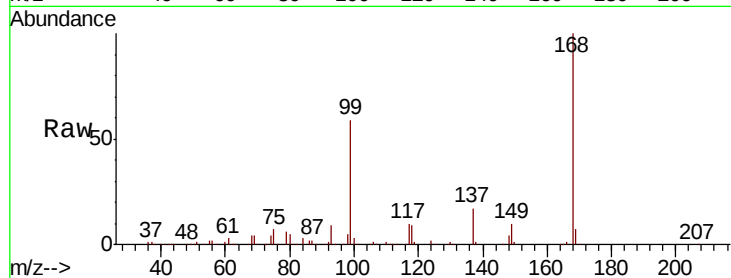
Tgt Ion: 56 Resp: 6110

Ion Ratio Lower Upper

56 100

69 154.5 24.9 37.3#

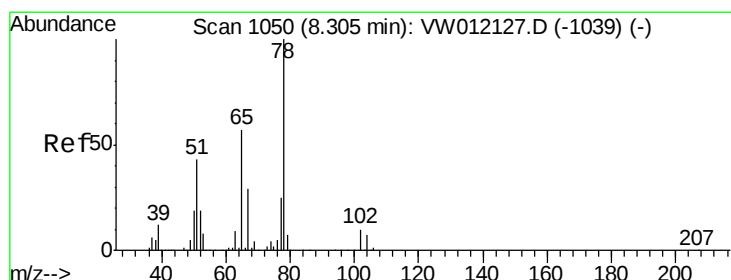
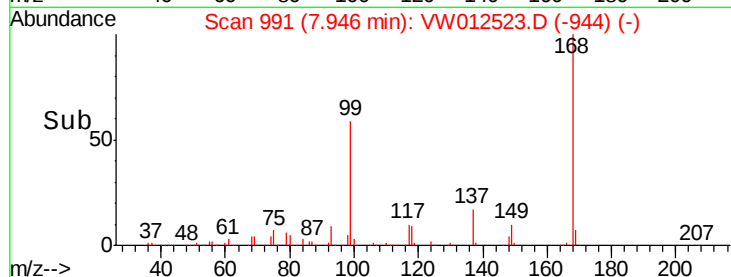
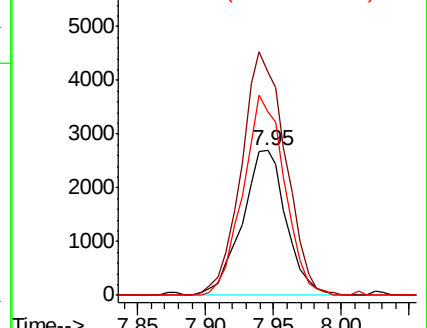
84 126.8 60.6 90.8#



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: 51.009 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012523.D

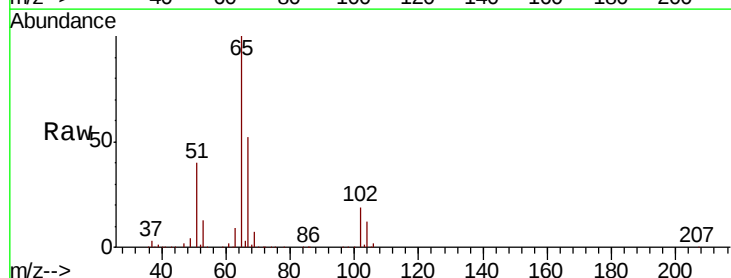
Acq: 03 Sep 2019 02:49

Tgt Ion: 65 Resp: 154713

Ion Ratio Lower Upper

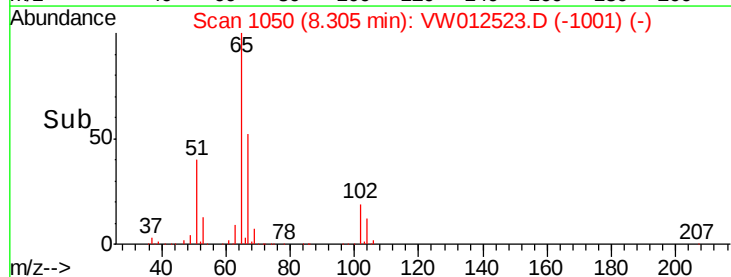
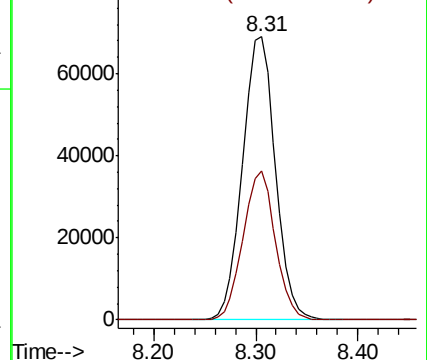
65 100

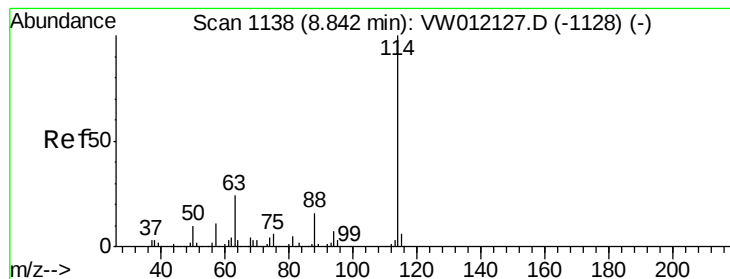
67 51.5 0.0 102.6



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: VW012523.D

Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B4-(2.25)

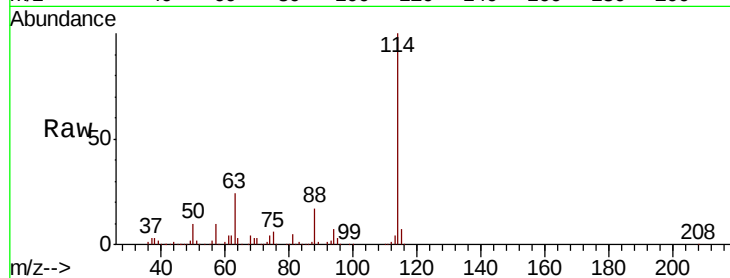
Tgt Ion:114 Resp: 410288

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

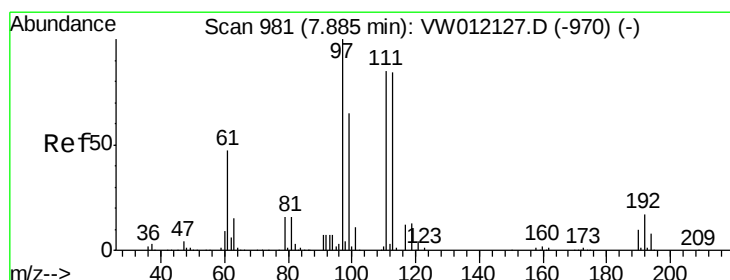
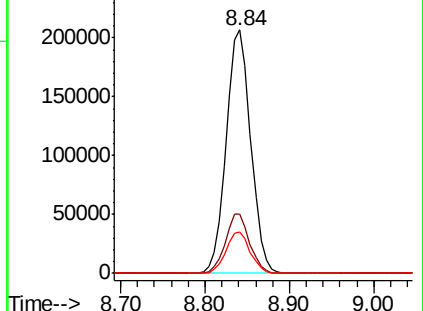
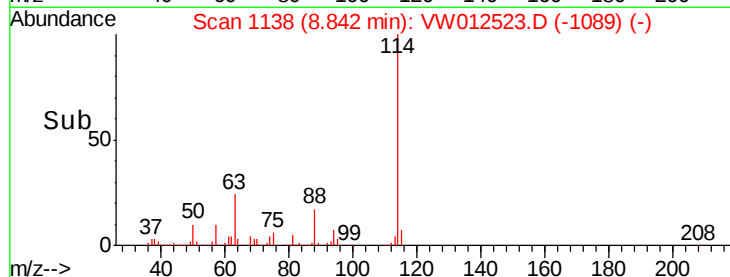
88 16.8 0.0 32.2



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: 50.987 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

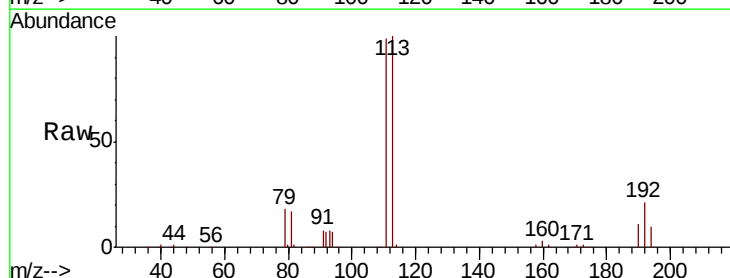
Tgt Ion:113 Resp: 124869

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

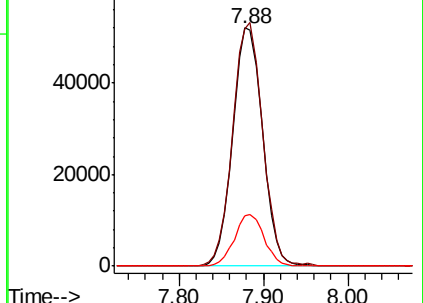
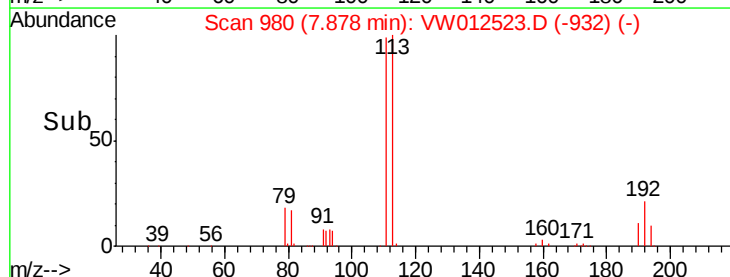
192 21.3 16.2 24.2

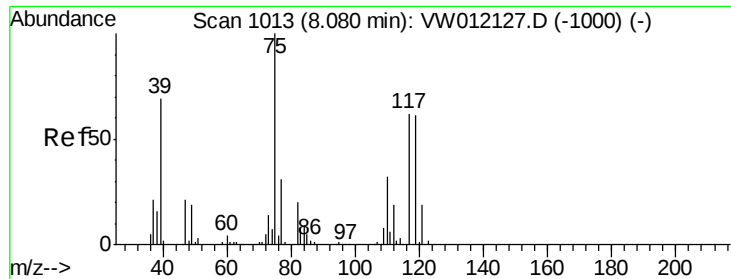


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

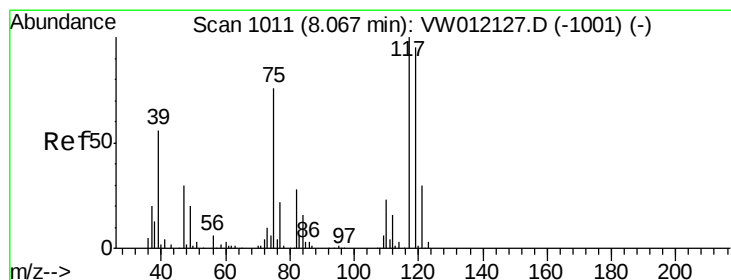
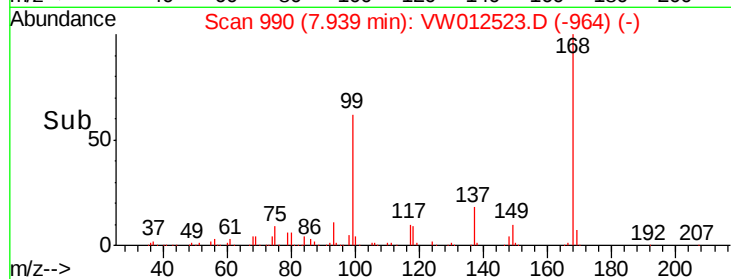
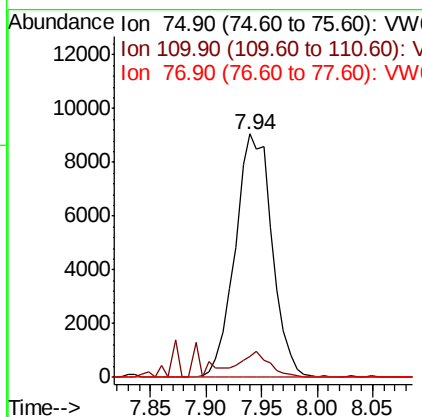
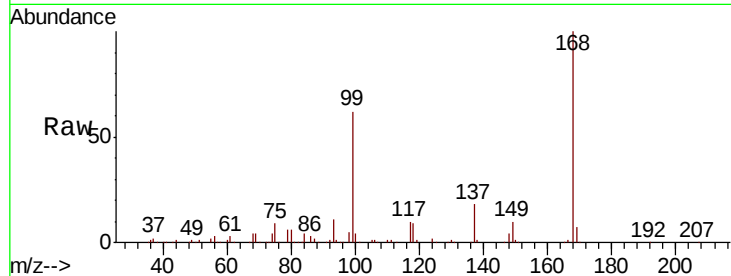




#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012523.D
 Acq: 03 Sep 2019 02:49

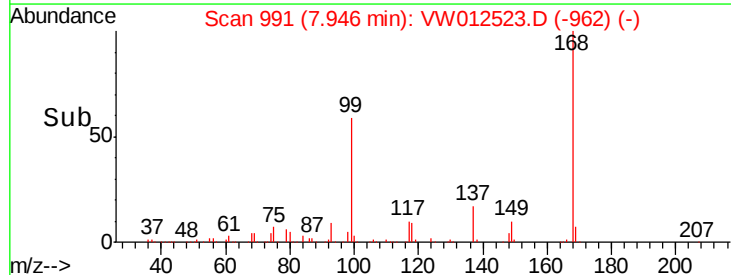
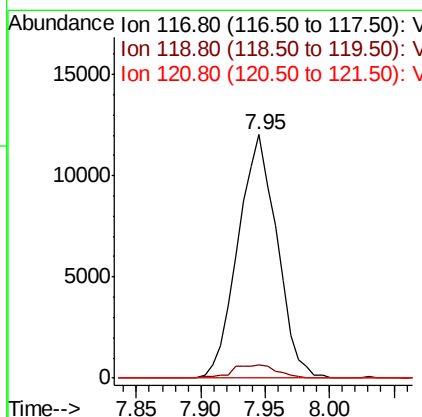
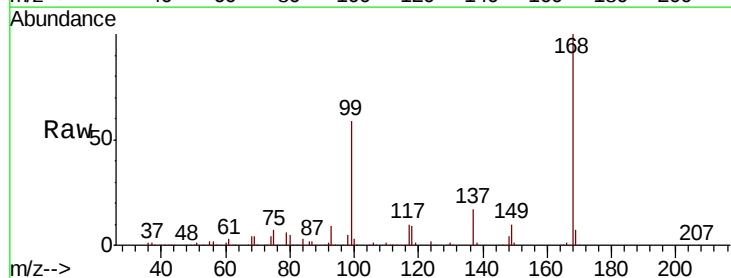
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B4-(2.25)

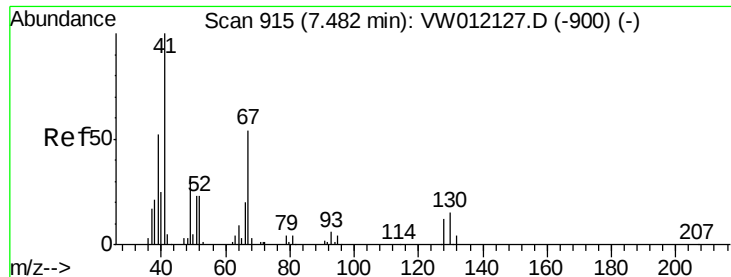
Tgt Ion: 75 Resp: 20773
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.865 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012523.D
 Acq: 03 Sep 2019 02:49

Tgt Ion: 117 Resp: 25192
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#

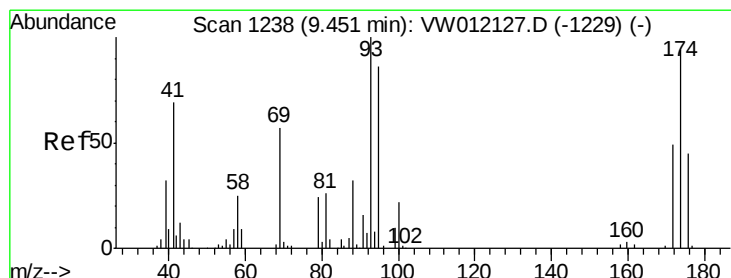
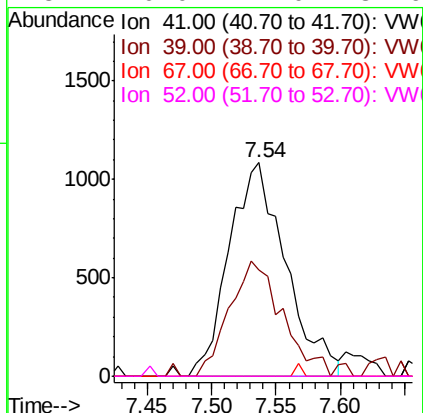
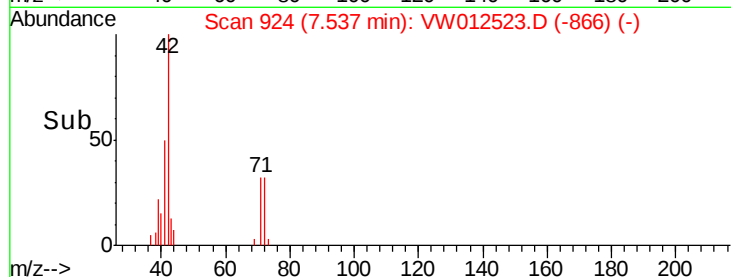
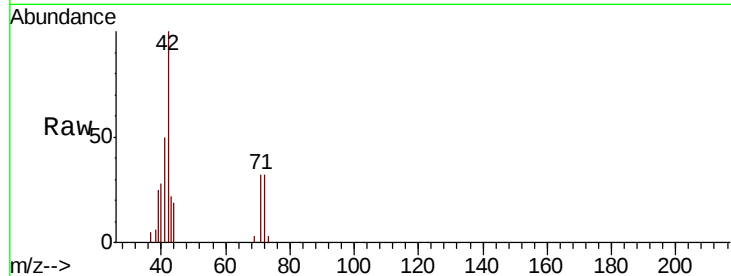




#41
Methacrylonitrile
Concen: 2.432 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

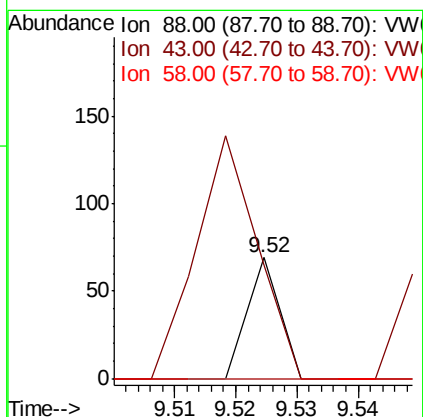
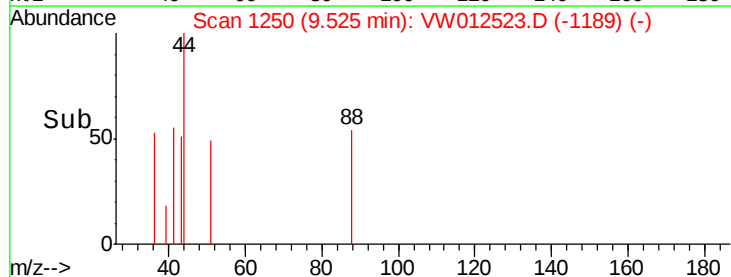
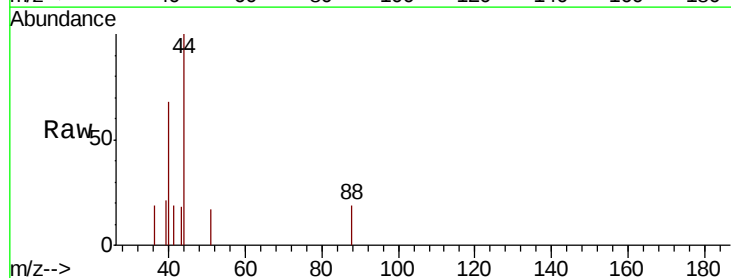
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(2.25)

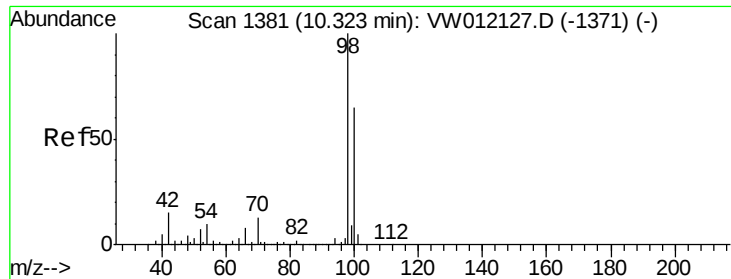
Tgt Ion: 41 Resp: 3321
Ion Ratio Lower Upper
41 100
39 50.1 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 1.178 ug/l
RT: 9.52 min Scan# 1250
Delta R.T. 0.07 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 384.0 32.9 49.3#
58 0.0 71.0 106.4#





#50

Toluene-d8

Concen: 49.025 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

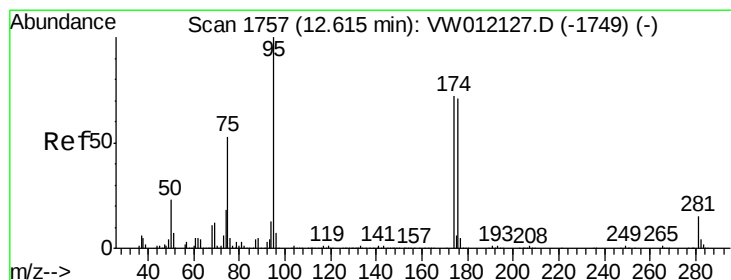
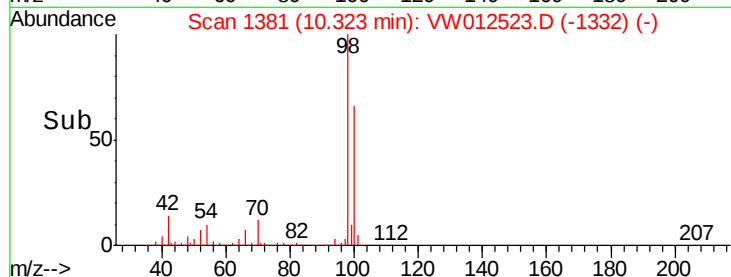
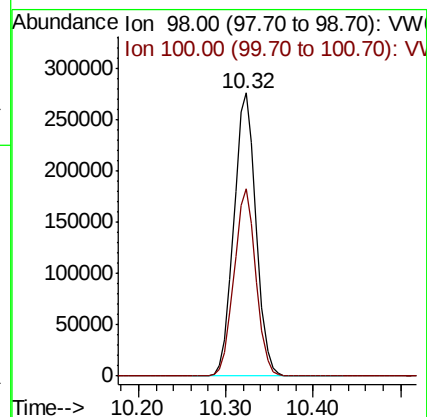
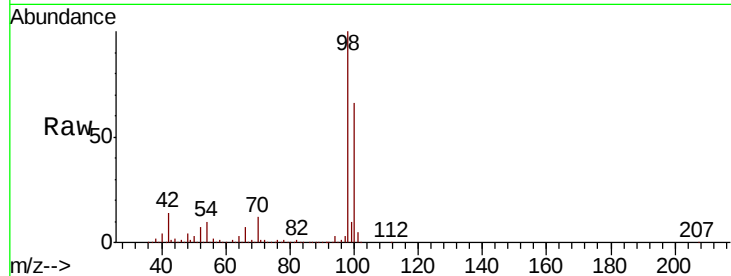
T16-17-B4-(2.25)

Tgt Ion: 98 Resp: 486825

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 39.756 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

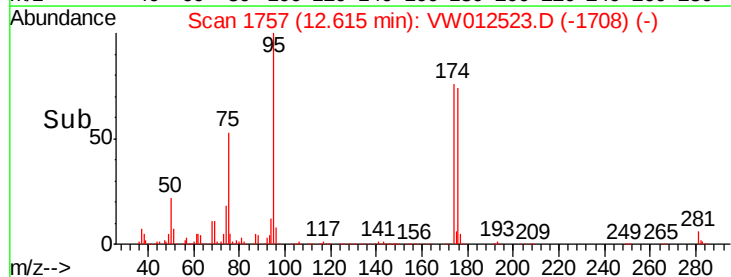
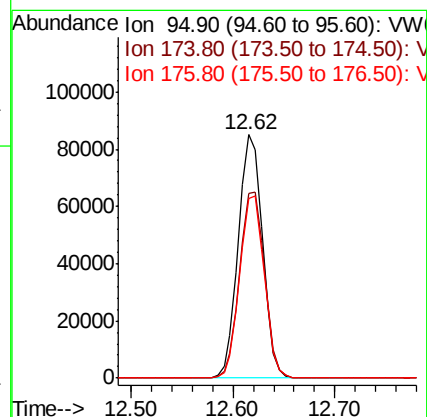
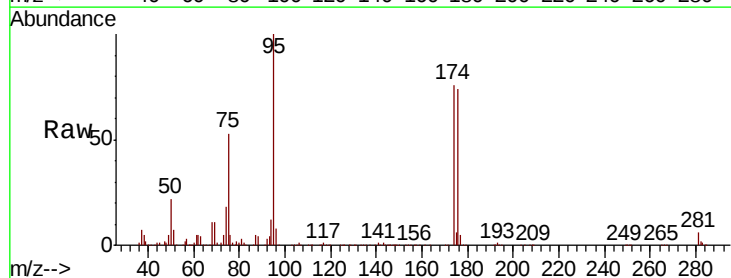
Tgt Ion: 95 Resp: 139158

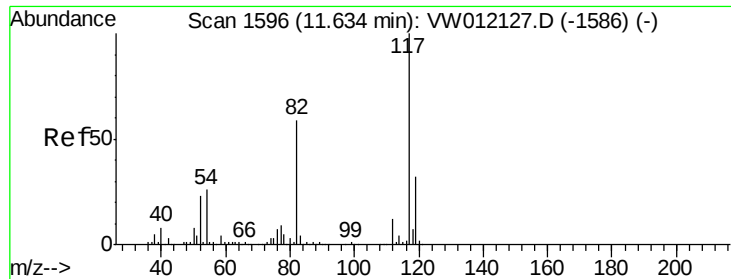
Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

176 76.0 0.0 148.6

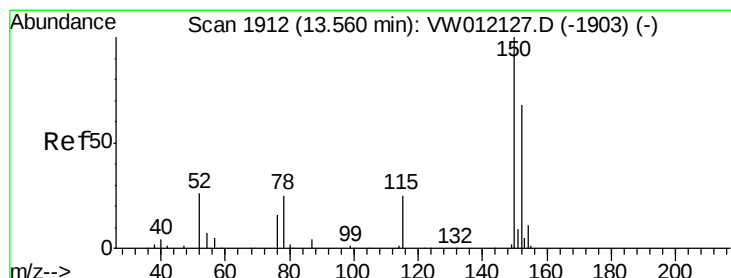
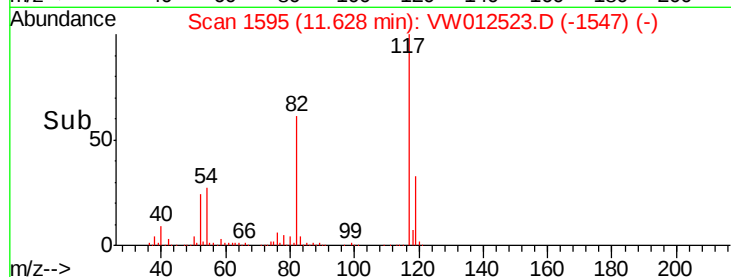
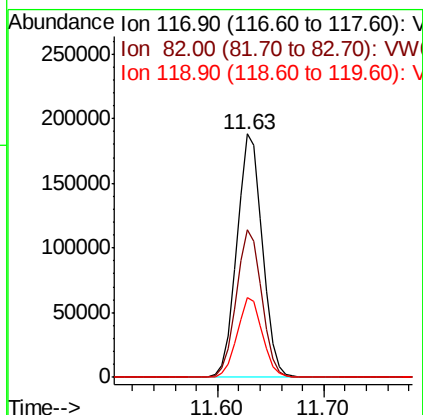
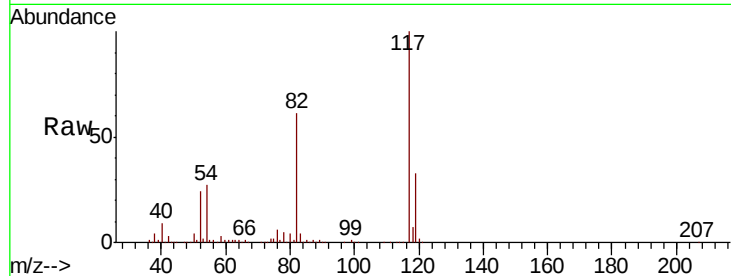




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

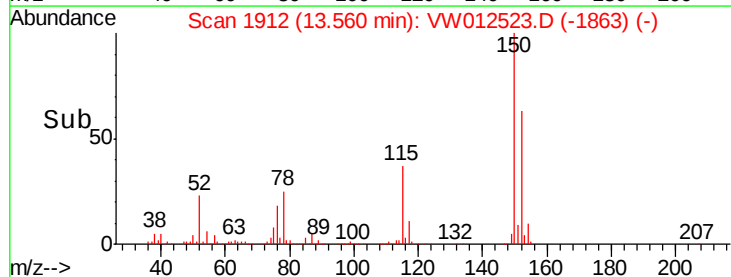
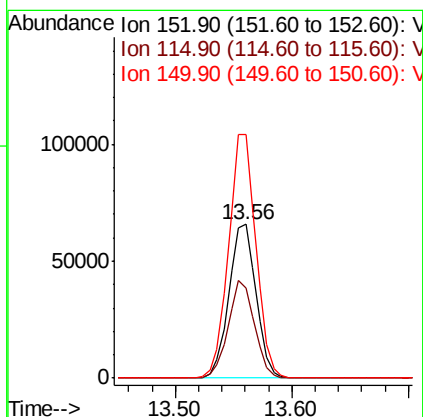
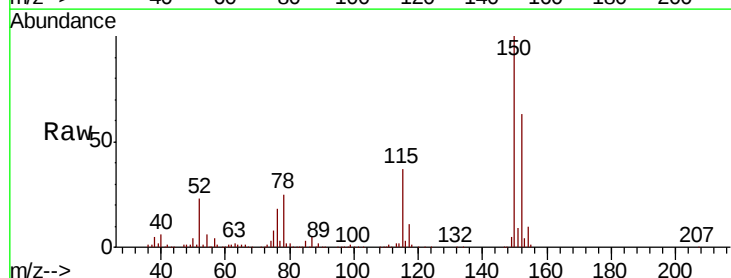
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(2.25)

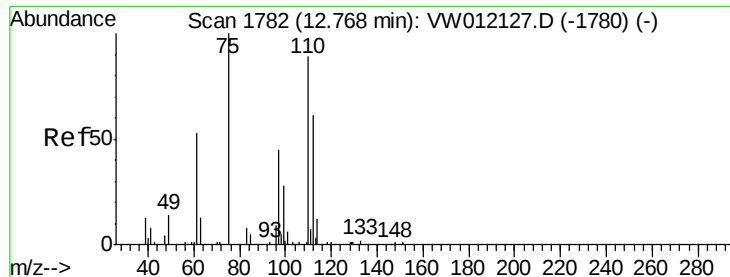
Tgt Ion:117 Resp: 316712
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012523.D
Acq: 03 Sep 2019 02:49

Tgt Ion:152 Resp: 106685
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 159.2 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 70.692 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

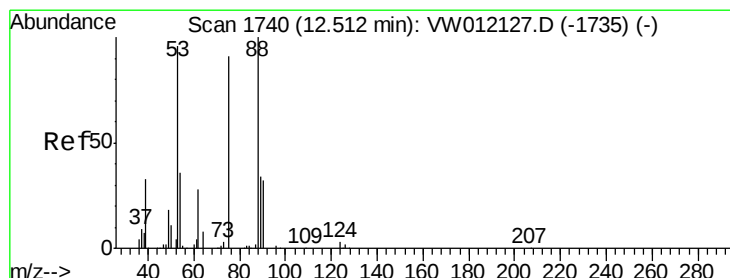
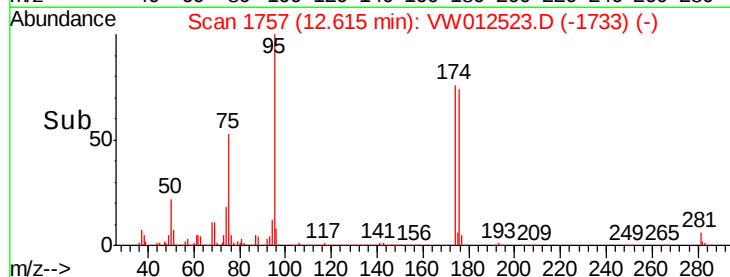
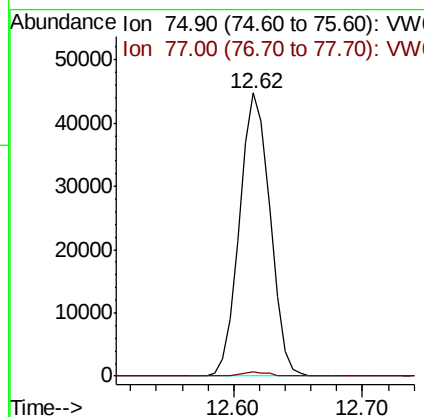
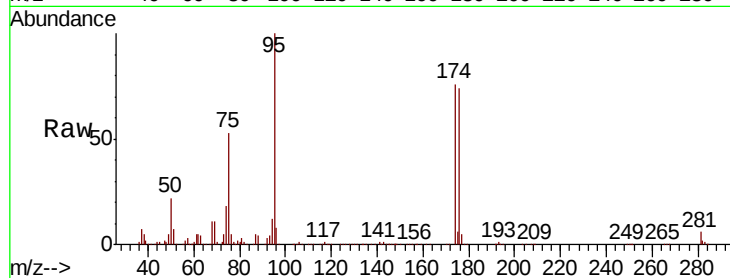
T16-17-B4-(2.25)

Tgt Ion: 75 Resp: 73452

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.996 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012523.D

Acq: 03 Sep 2019 02:49

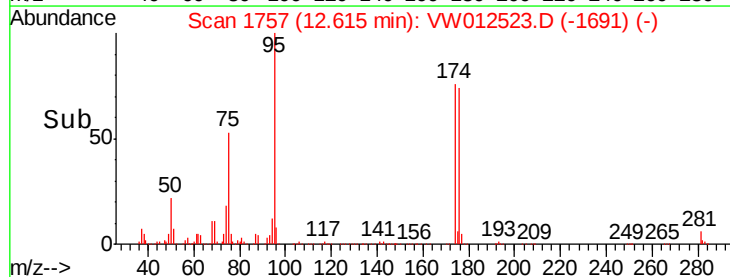
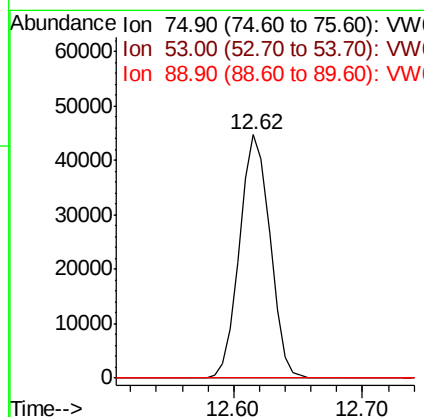
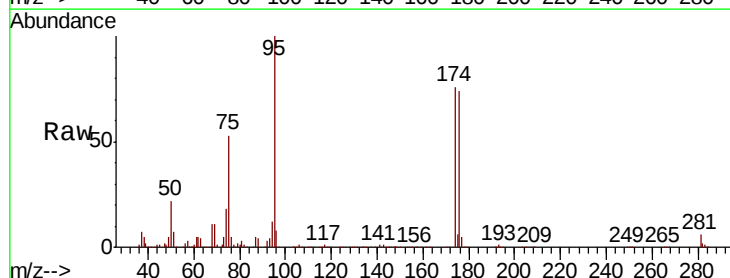
Tgt Ion: 75 Resp: 73452

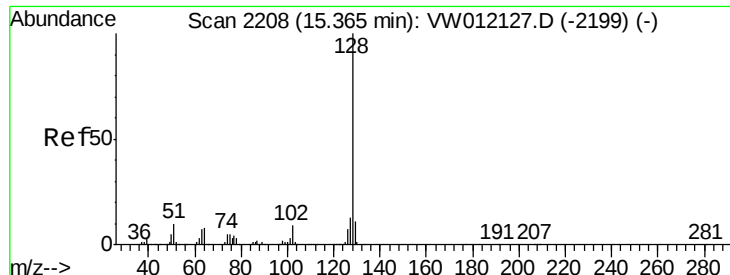
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.409 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012523.D

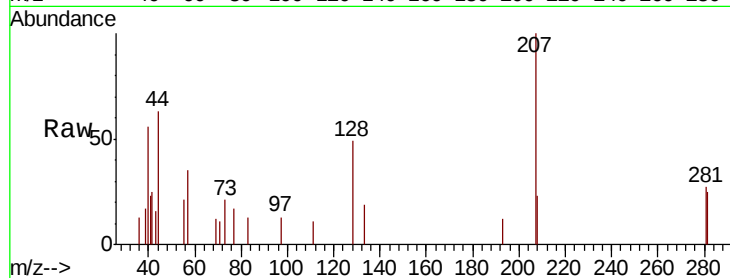
Acq: 03 Sep 2019 02:49

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B4-(2.25)



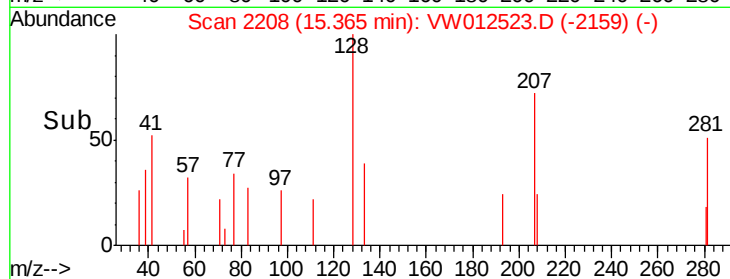
Tgt Ion:128 Resp: 387

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

300

250

200

150

100

50

0

15.35

15.36

15.40

Time-->