

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012576.D
 Acq On : 04 Sep 2019 05:15
 Operator : SY/VA
 Sample : K4525-11
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(0)

Quant Time: Sep 04 06:54:15 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	206301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58504	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	140619	57.34	ug/l	0.00
Spiked Amount			Recovery	=	114.68%	
35) Dibromofluoromethane	7.88	113	108055	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
50) Toluene-d8	10.32	98	397729	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	88329	31.42	ug/l	0.00
Spiked Amount			Recovery	=	62.84%	

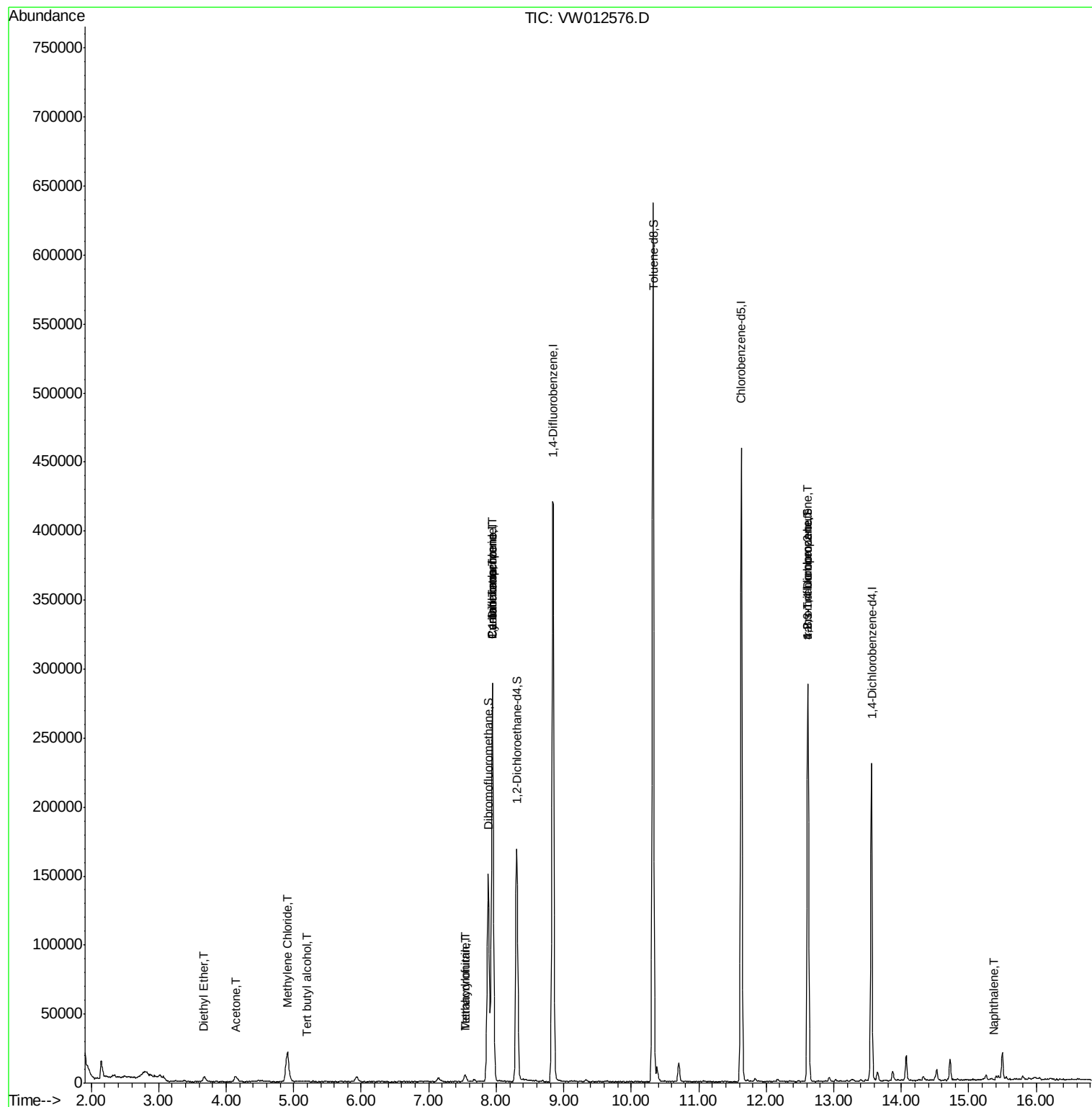
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2117	1.844	ug/l	98
11) Tert butyl alcohol	5.20	59	396	2.683	ug/l	94
16) Acetone	4.14	43	7900	12.602	ug/l	98
20) Methylene Chloride	4.91	84	14745	6.222	ug/l	97
29) Tetrahydrofuran	7.54	42	4225	8.267	ug/l	96
31) Cyclohexane	7.95	56	5364	1.214	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	17742	5.210	ug/l #	53
38) Carbon Tetrachloride	7.94	117	21434	7.272	ug/l #	16
41) Methacrylonitrile	7.54	41	2920	2.662	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	48163	84.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48163	185.331	ug/l #	6
95) Naphthalene	15.36	128	63	4.347	ug/l #	69

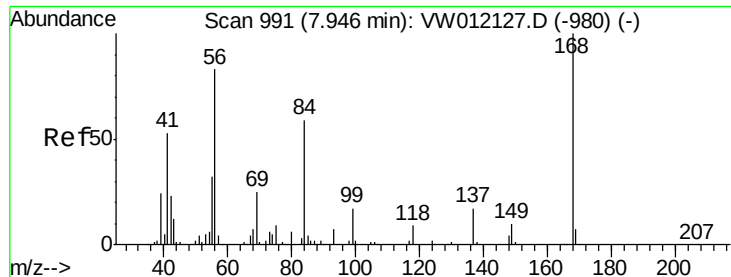
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
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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: VW012576.D

Acq: 04 Sep 2019 05:15

Instrument :

MSVOA_W

ClientSampleId :

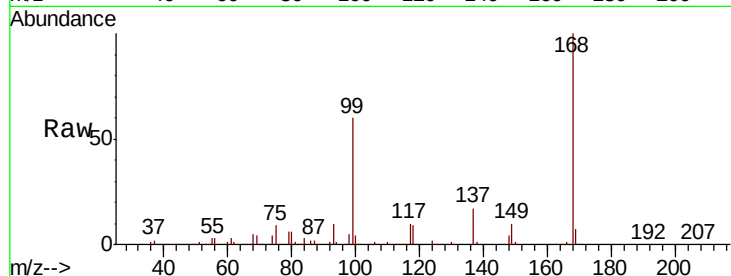
T9-12-13-B1-(0)

Tgt Ion:168 Resp: 206301

Ion Ratio Lower Upper

168 100

99 59.9 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

80000

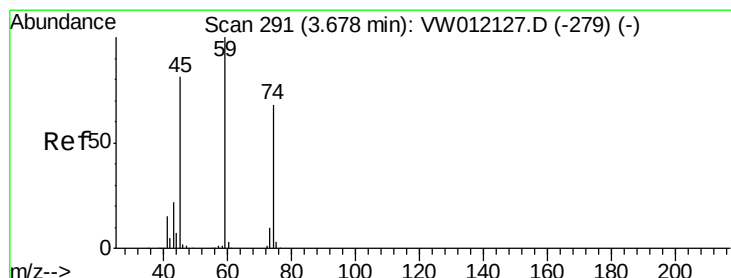
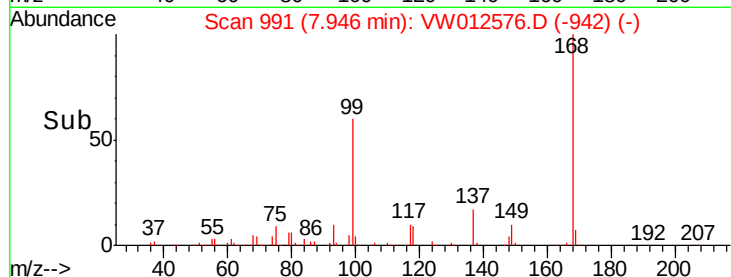
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.844 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012576.D

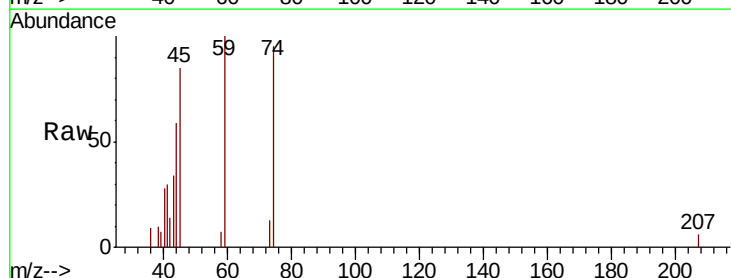
Acq: 04 Sep 2019 05:15

Tgt Ion: 74 Resp: 2117

Ion Ratio Lower Upper

74 100

45 120.9 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

1000

800

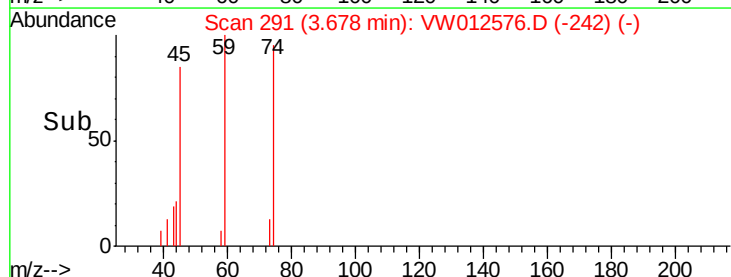
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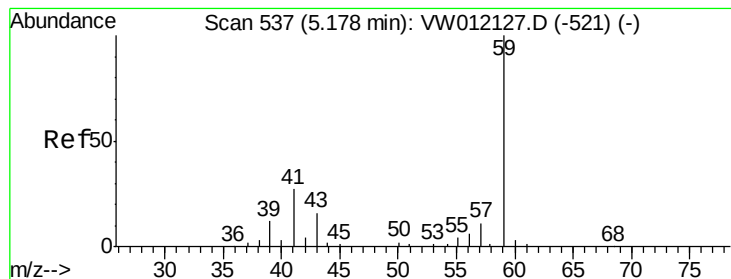
400

200

0

Time-->



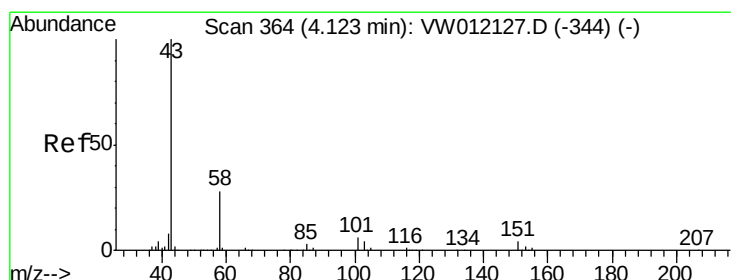
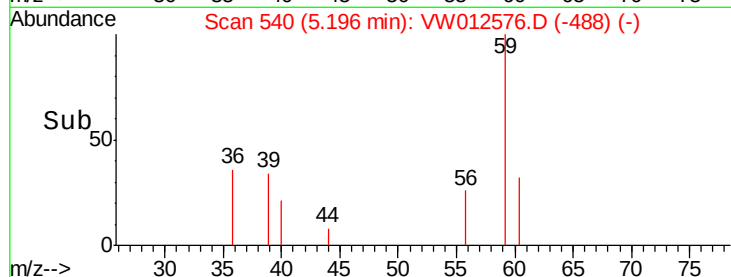
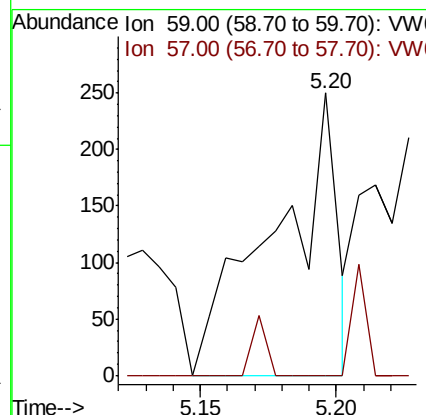
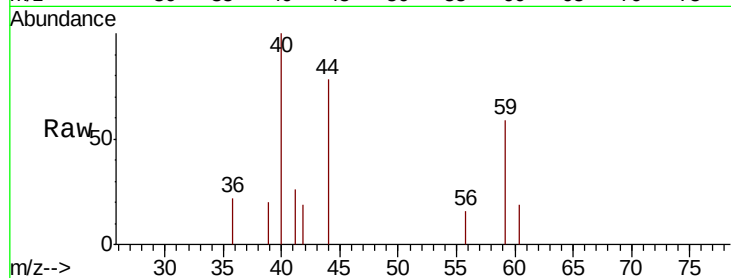


#11

Tert butyl alcohol
 Concen: 2.683 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Instrument :
 MSVOA_W
 ClientSampled :
 T9-12-13-B1-(0)

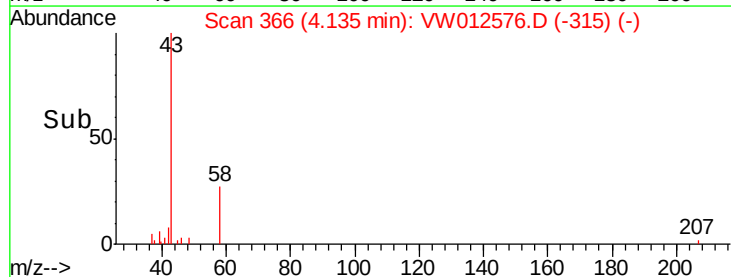
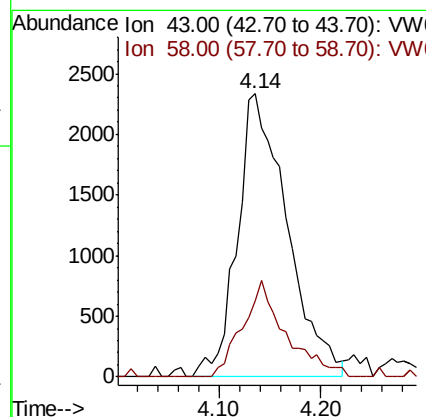
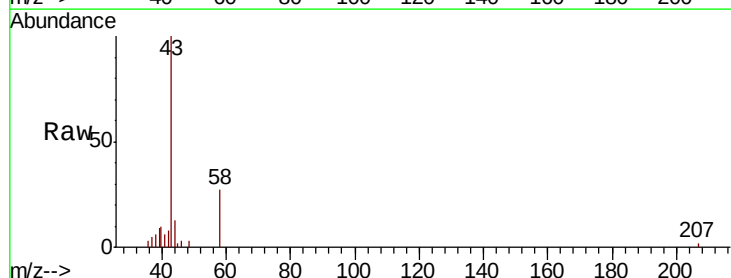
Tgt Ion: 59 Resp: 396
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.0 13.4

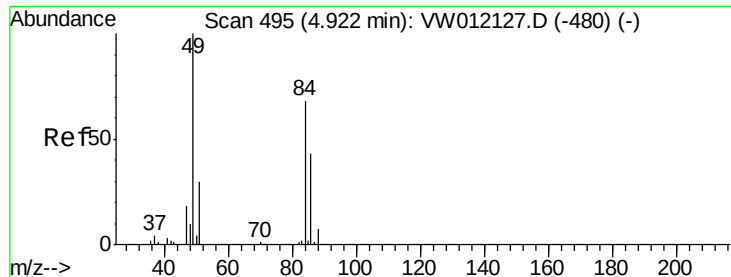


#16

Acetone
 Concen: 12.602 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Tgt Ion: 43 Resp: 7900
 Ion Ratio Lower Upper
 43 100
 58 26.8 22.4 33.6

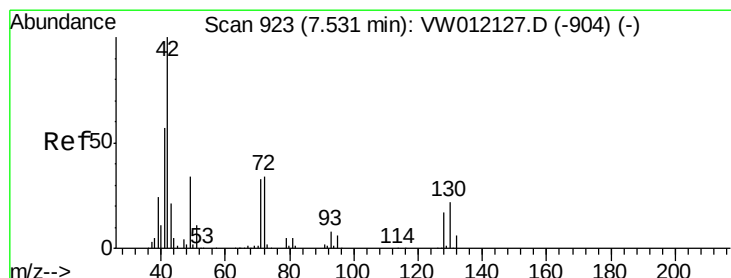
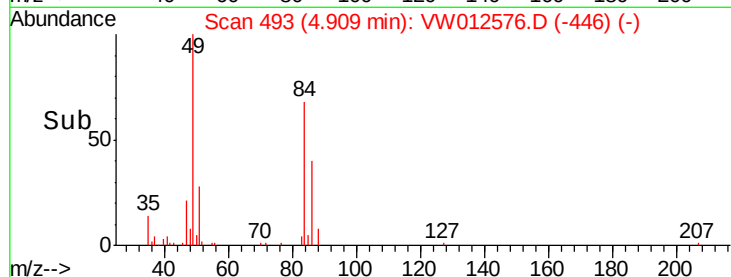
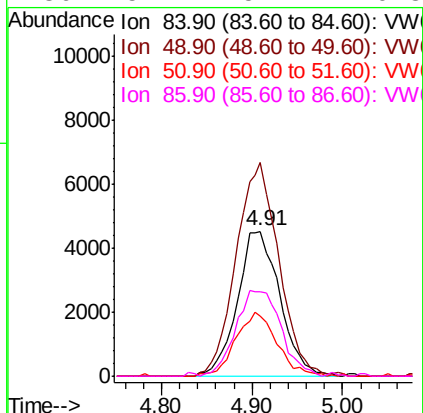
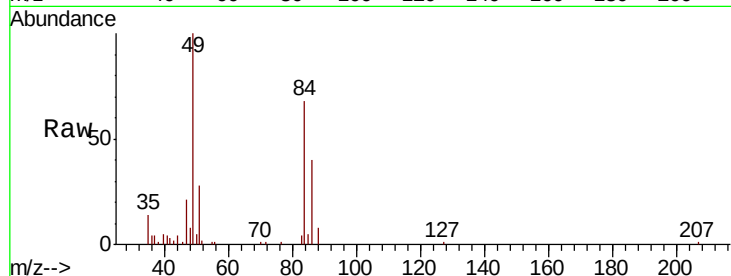




#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012576.D
Acq: 04 Sep 2019 05:15

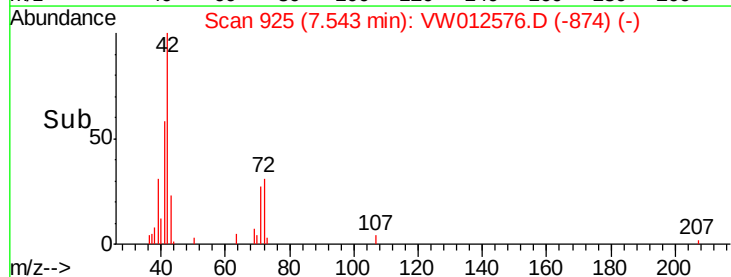
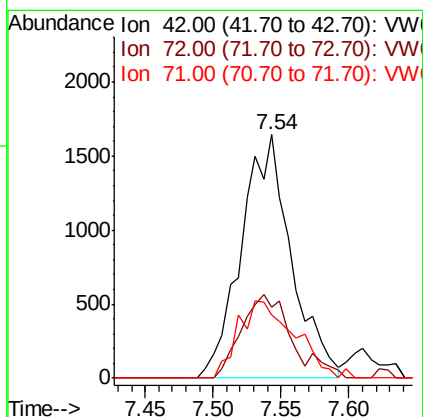
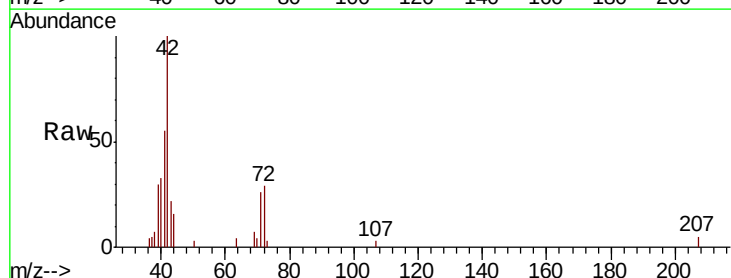
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B1-(0)

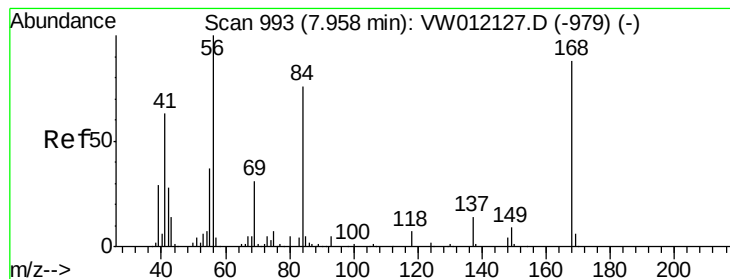
Tgt Ion: 84 Resp: 14745
Ion Ratio Lower Upper
84 100
49 147.7 117.8 176.8
51 42.0 35.6 53.4
86 57.4 51.2 76.8



#29
Tetrahydrofuran
Concen: 8.267 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012576.D
Acq: 04 Sep 2019 05:15

Tgt Ion: 42 Resp: 4225
Ion Ratio Lower Upper
42 100
72 34.7 27.3 40.9
71 35.9 25.5 38.3





#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012576.D

Acq: 04 Sep 2019 05:15

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(0)

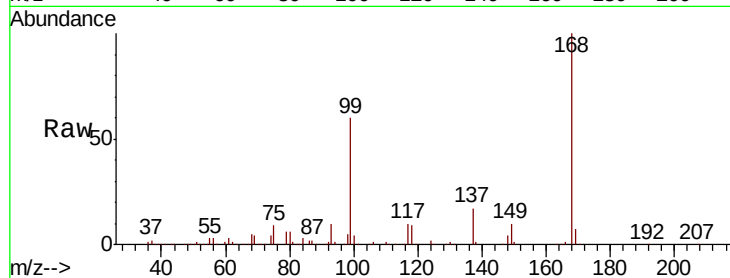
Tgt Ion: 56 Resp: 5364

Ion Ratio Lower Upper

56 100

69 154.2 24.9 37.3#

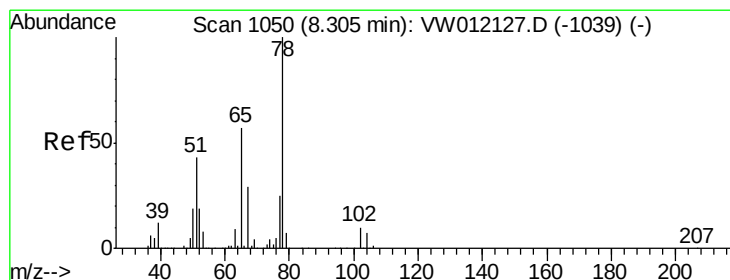
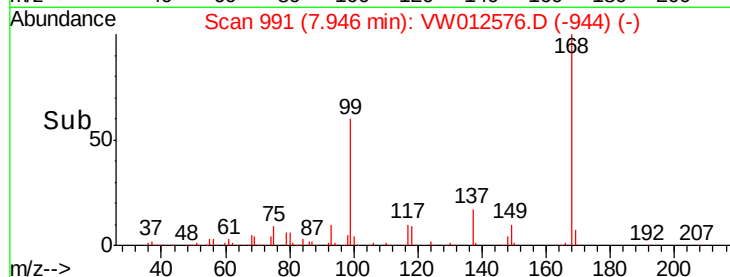
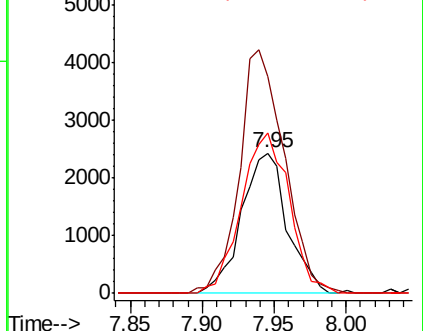
84 114.7 60.6 90.8#



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: 57.339 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012576.D

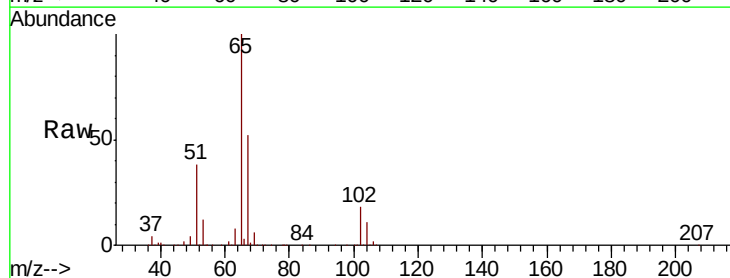
Acq: 04 Sep 2019 05:15

Tgt Ion: 65 Resp: 140619

Ion Ratio Lower Upper

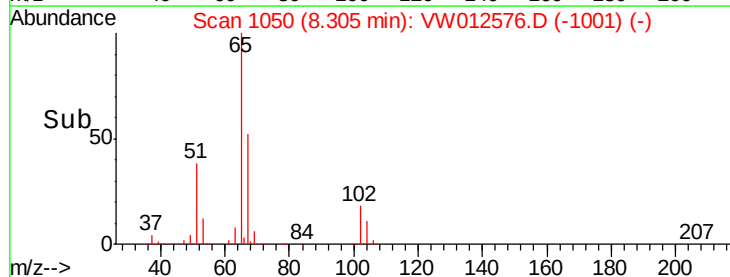
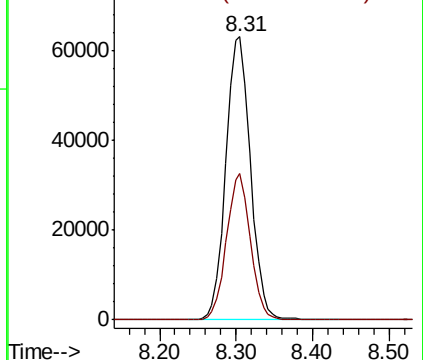
65 100

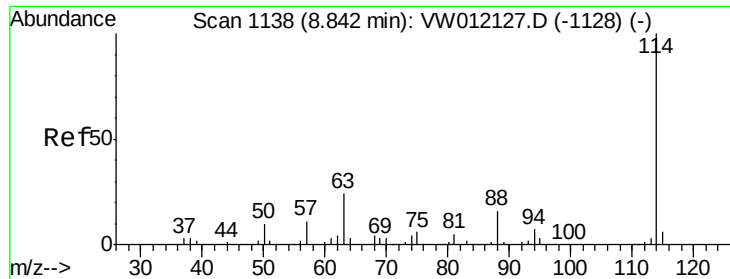
67 50.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

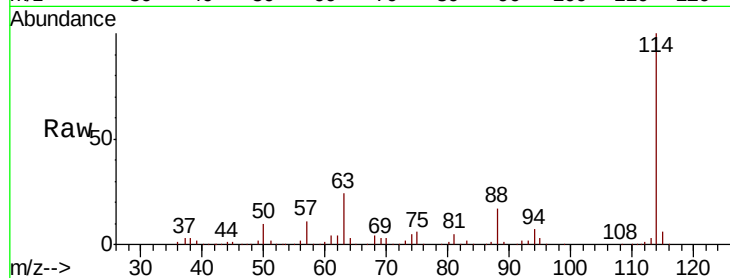




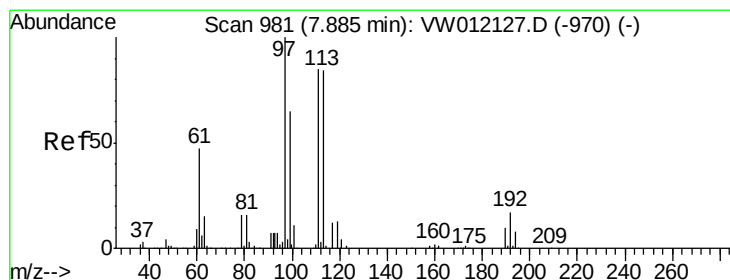
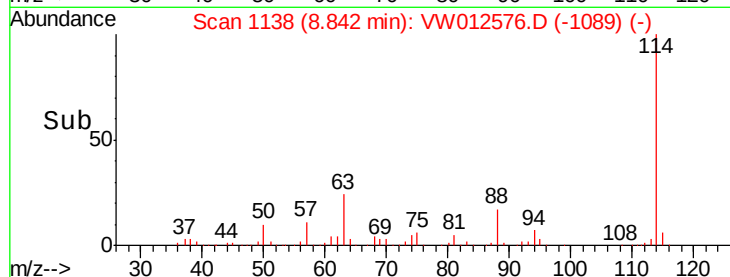
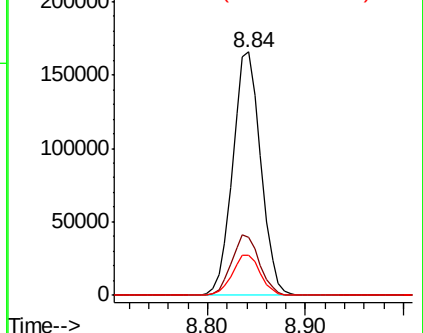
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(0)

Tgt Ion:114 Resp: 329539
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.5 0.0 32.2

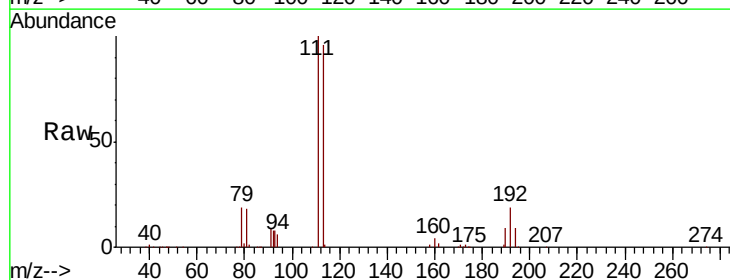


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

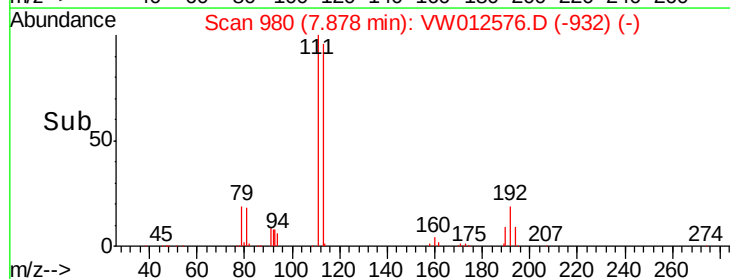
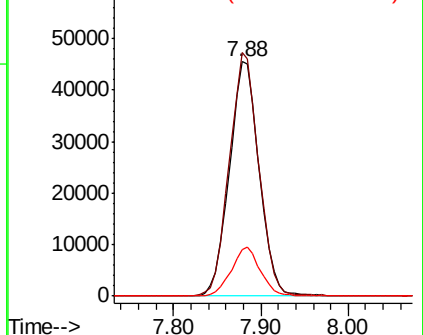


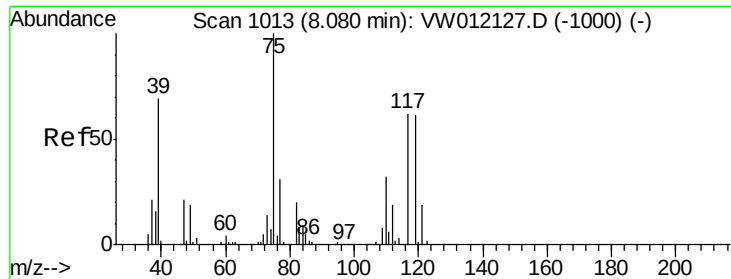
#35
 Dibromofluoromethane
 Concen: 54.933 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Tgt Ion:113 Resp: 108055
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 20.1 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: 5.210 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012576.D

Acq: 04 Sep 2019 05:15

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(0)

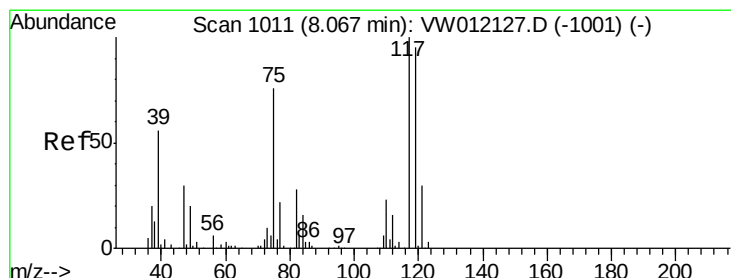
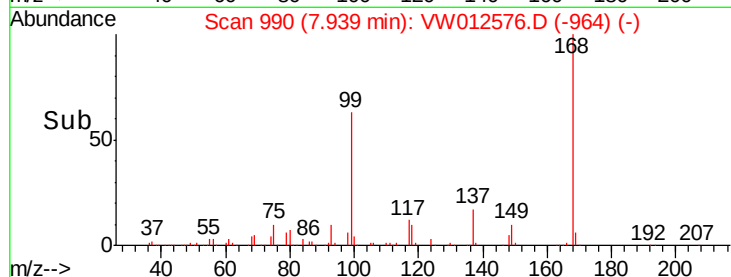
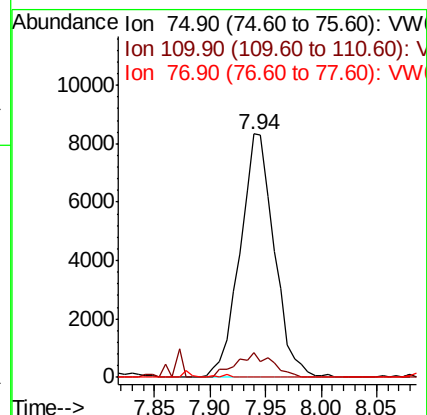
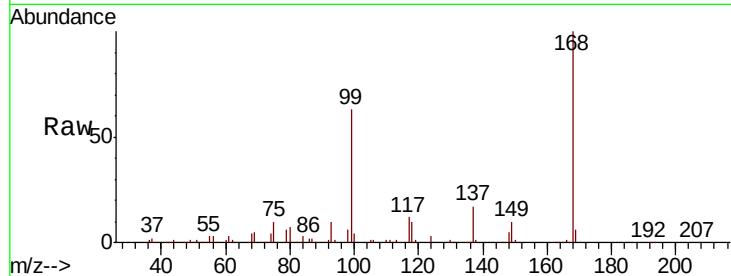
Tgt Ion: 75 Resp: 17742

Ion Ratio Lower Upper

75 100

110 10.8 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 7.272 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012576.D

Acq: 04 Sep 2019 05:15

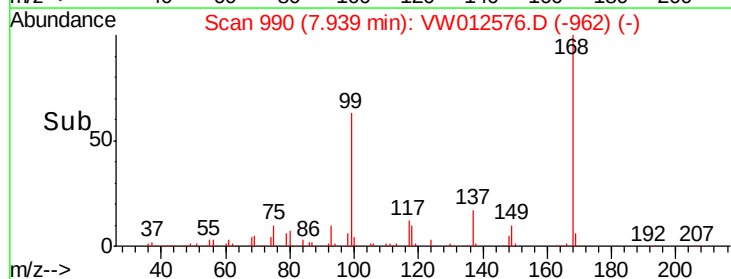
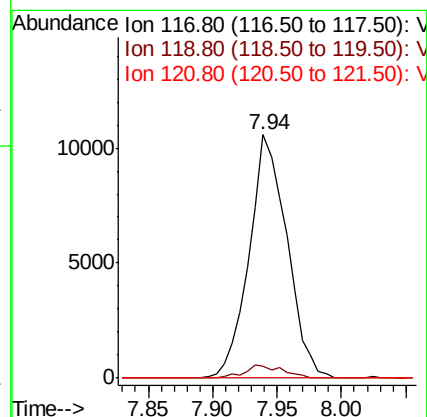
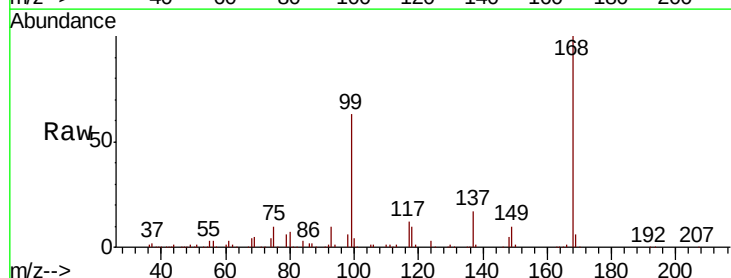
Tgt Ion: 117 Resp: 21434

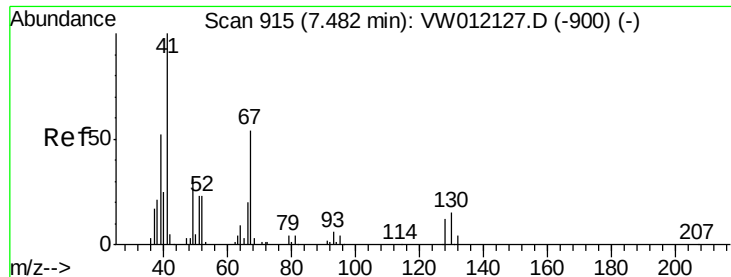
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

121 0.0 23.8 35.8#

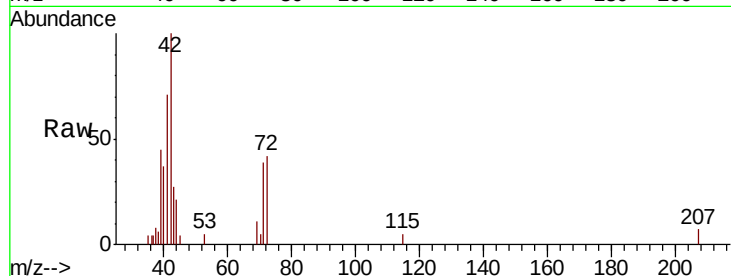




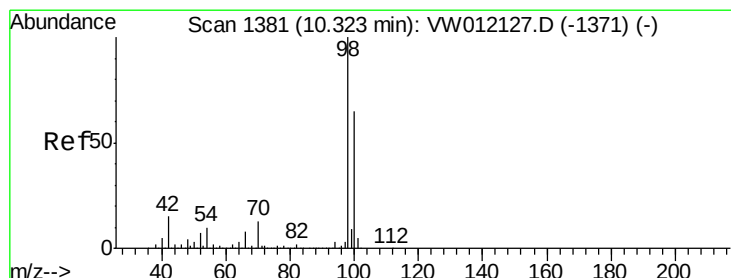
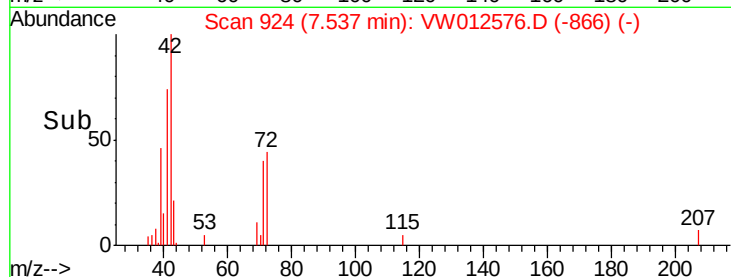
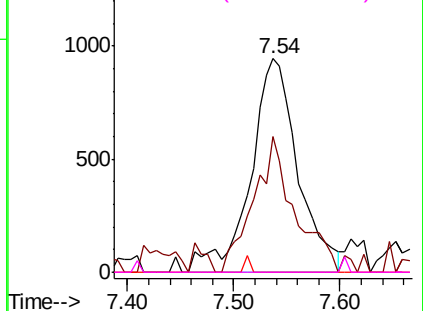
#41
Methacrylonitrile
Concen: 2.662 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012576.D
Acq: 04 Sep 2019 05:15

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B1-(0)

Tgt Ion:	41	Resp:	2920
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

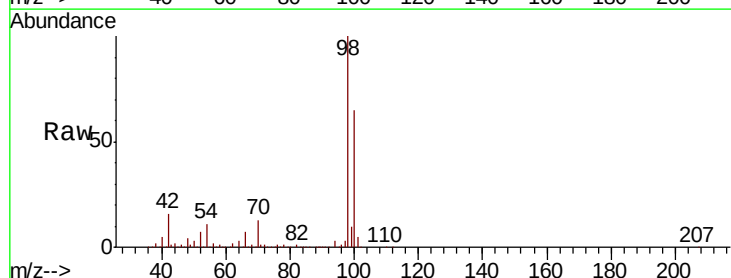


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

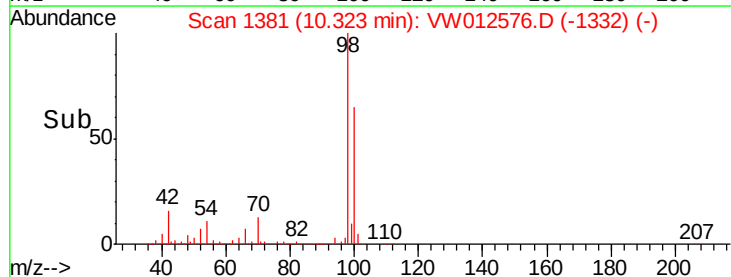
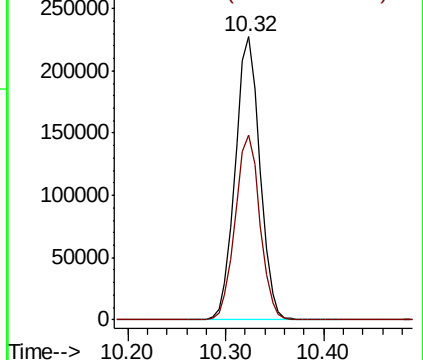


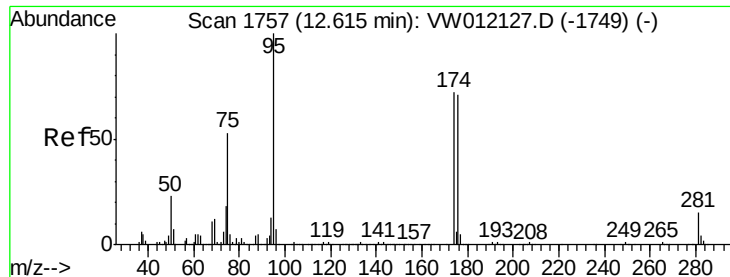
#50
Toluene-d8
Concen: 49.867 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012576.D
Acq: 04 Sep 2019 05:15

Tgt Ion:	98	Resp:	397729
Ion	Ratio	Lower	Upper
98	100		
100	65.4	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: 31.418 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012576.D

Acq: 04 Sep 2019 05:15

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(0)

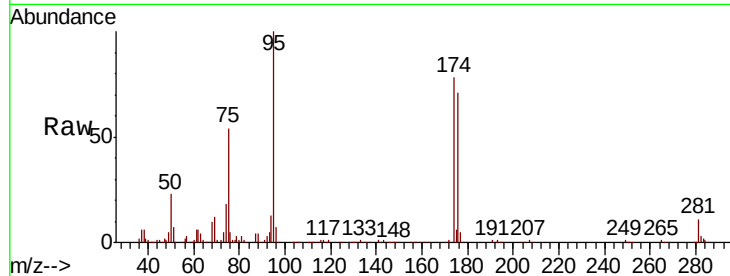
Tgt Ion: 95 Resp: 88329

Ion Ratio Lower Upper

95 100

174 79.3 0.0 150.8

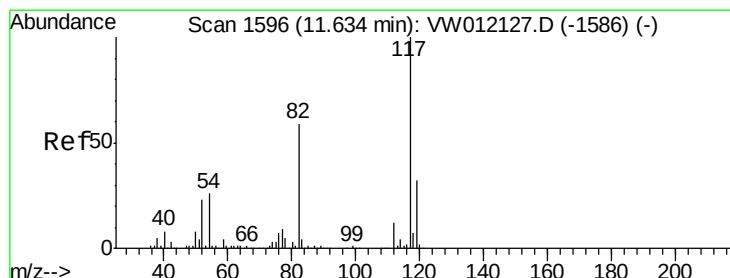
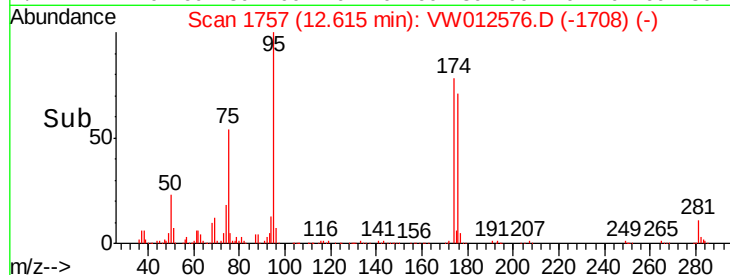
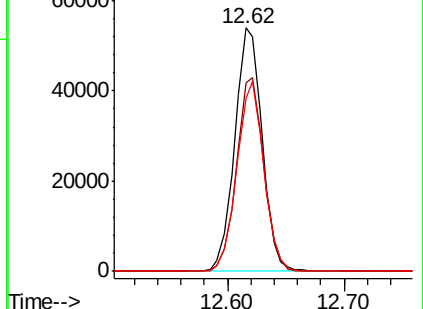
176 76.5 0.0 148.6



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: VW012576.D

Acq: 04 Sep 2019 05:15

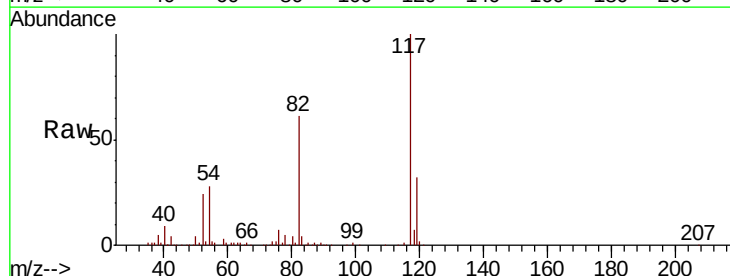
Tgt Ion: 117 Resp: 241337

Ion Ratio Lower Upper

117 100

82 60.5 47.4 71.2

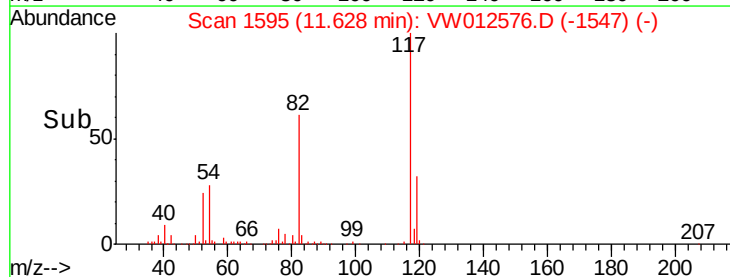
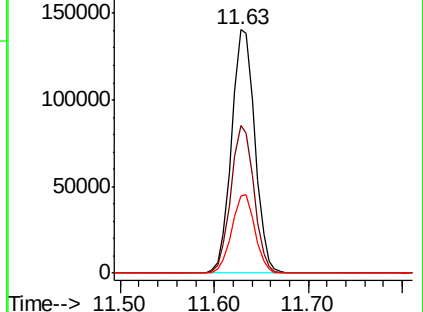
119 31.9 25.4 38.2

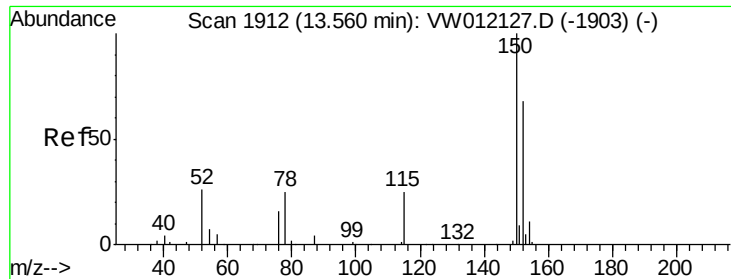


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012576.D

Acq: 04 Sep 2019 05:15

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(0)

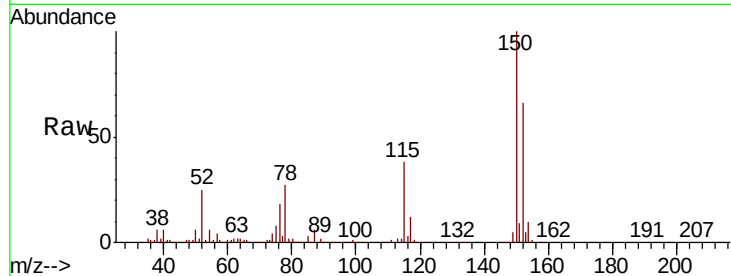
Tgt Ion:152 Resp: 58504

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

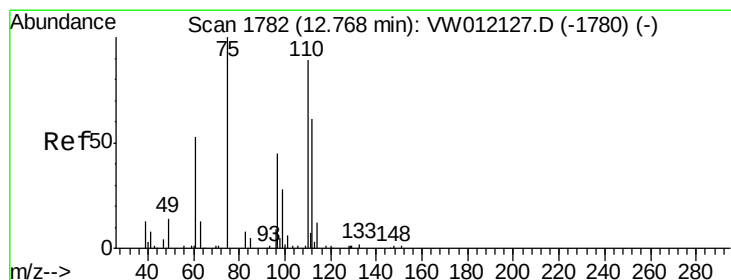
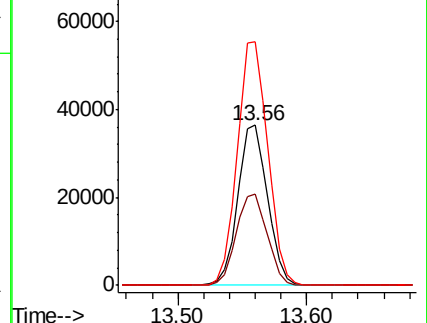
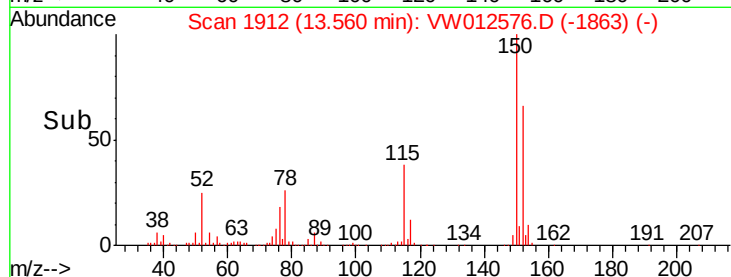
150 156.2 0.0 345.8



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: 84.528 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012576.D

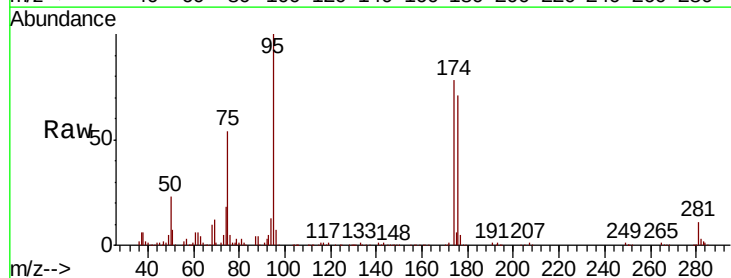
Acq: 04 Sep 2019 05:15

Tgt Ion: 75 Resp: 48163

Ion Ratio Lower Upper

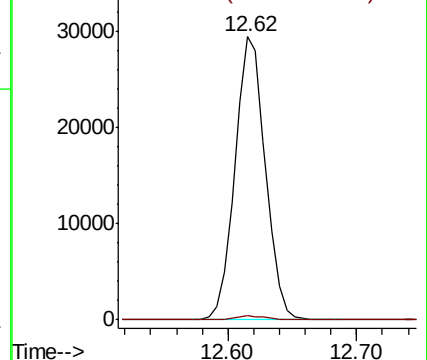
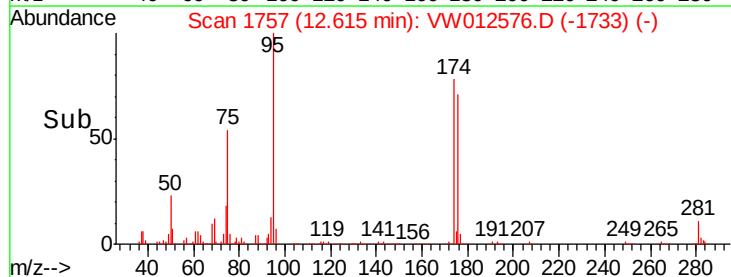
75 100

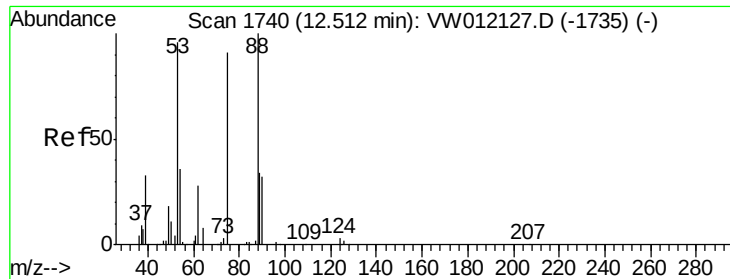
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

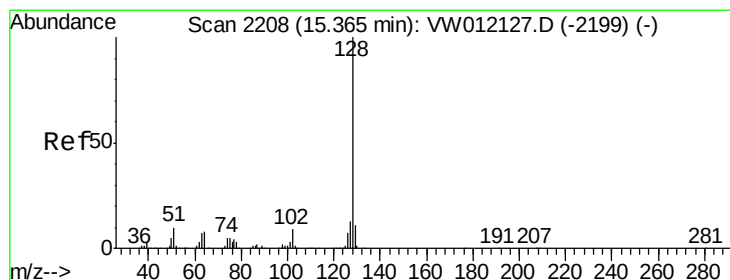
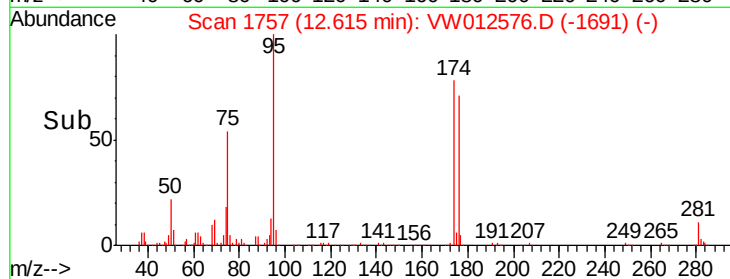
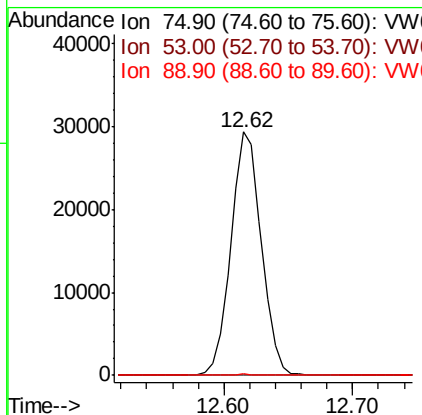
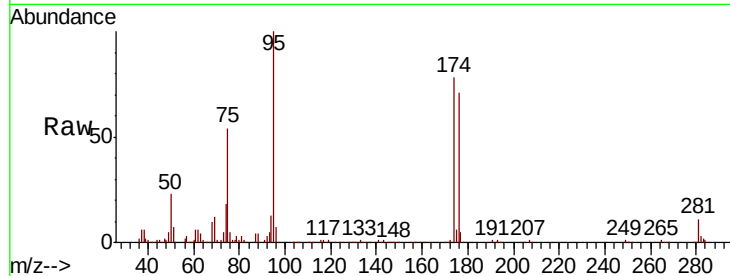




#81
 trans-1,4-Dichloro-2-butene
 Concen: 185.331 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(0)

Tgt Ion: 75 Resp: 48163
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#



#95
 Naphthalene
 Concen: 4.347 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012576.D
 Acq: 04 Sep 2019 05:15

Tgt Ion: 128 Resp: 63
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

