

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012673.D
 Acq On : 06 Sep 2019 06:05
 Operator : SY/VA
 Sample : K4581-01
 Misc : 1.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-B4-(3.5)

Quant Time: Sep 06 07:59:53 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	246208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91034	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	170471	58.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.48%	
35) Dibromofluoromethane	7.88	113	127049	52.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.64%	
50) Toluene-d8	10.32	98	480295	49.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.62	95	125464	36.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.98%	

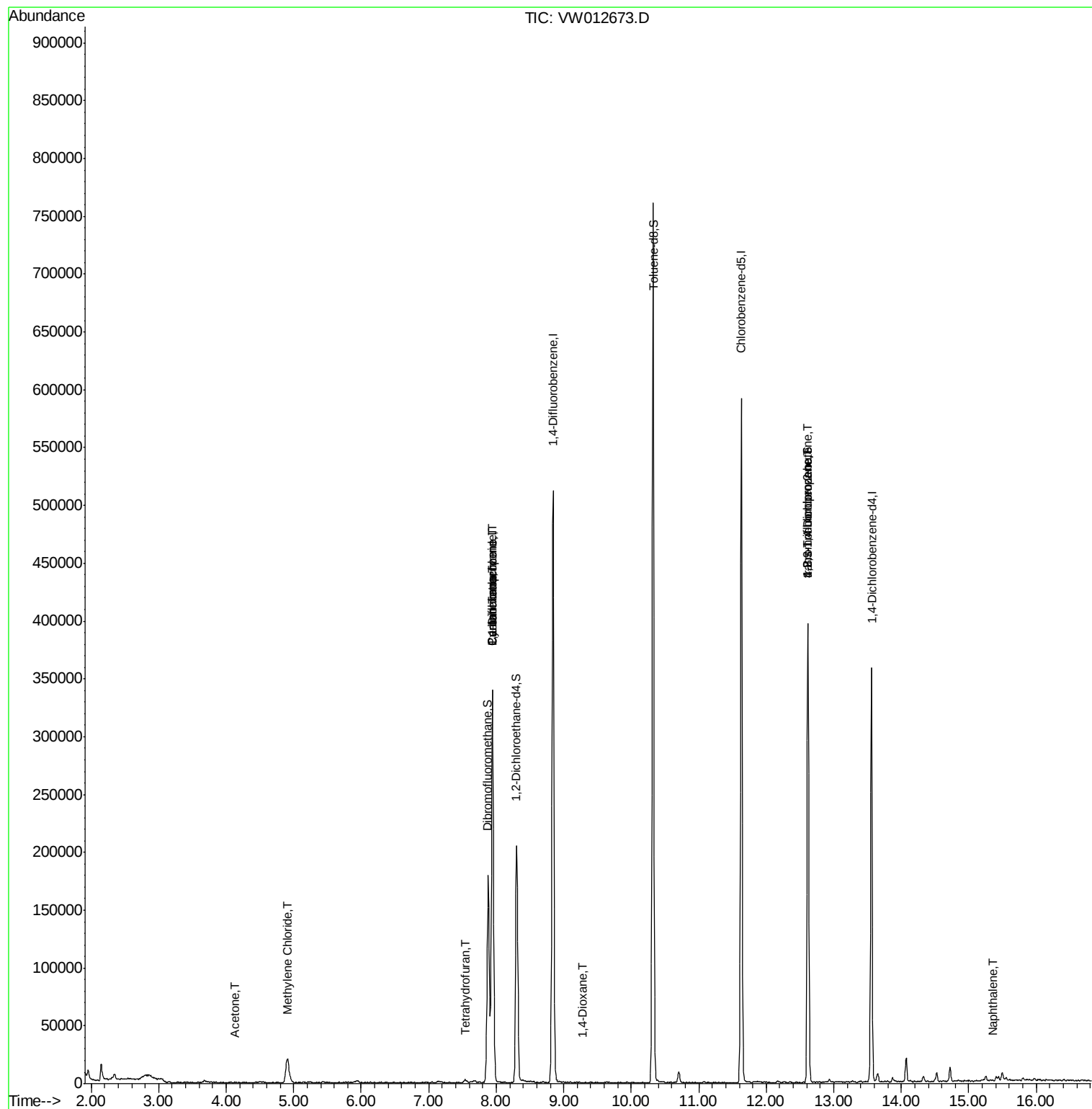
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	903	1.207	ug/l #	81
20) Methylene Chloride	4.92	84	15748	5.568	ug/l	87
29) Tetrahydrofuran	7.54	42	2186	3.584	ug/l #	87
31) Cyclohexane	7.95	56	5950	1.129	ug/l #	4
36) 1,1-Dichloropropene	7.94	75	20538	4.932	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25236	7.001	ug/l #	16
49) 1,4-Dioxane	9.27	88	23	1.103	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	69285	78.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69285	171.339	ug/l #	6
95) Naphthalene	15.36	128	61	4.337	ug/l #	69

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

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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: VW012673.D

Acq: 06 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :

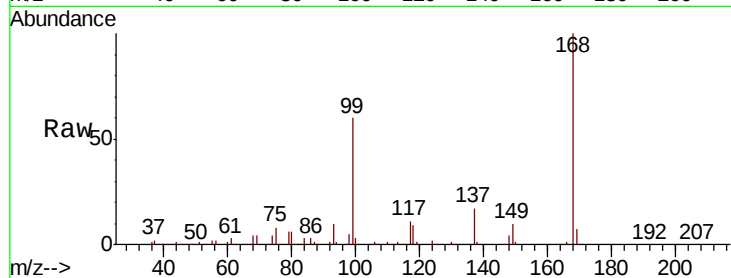
T12-B4-(3.5)

Tgt Ion:168 Resp: 246208

Ion Ratio Lower Upper

168 100

99 59.8 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

120000

100000

80000

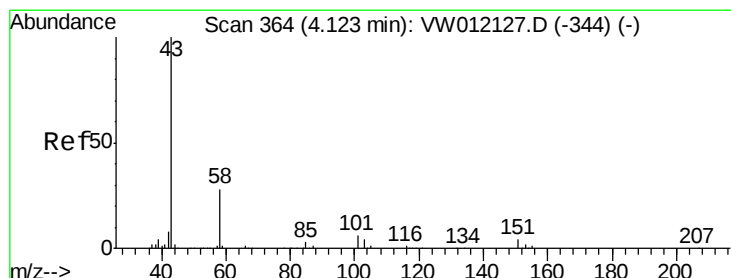
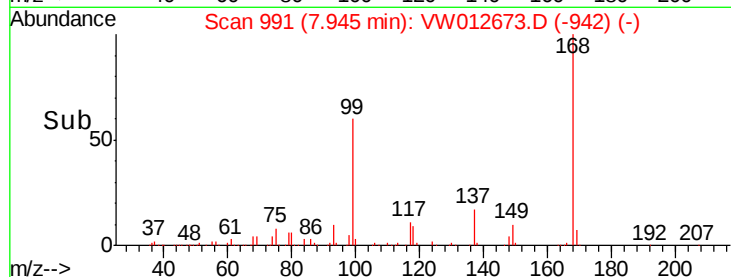
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.207 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012673.D

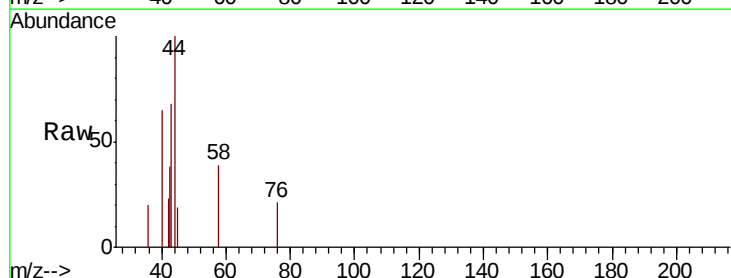
Acq: 06 Sep 2019 06:05

Tgt Ion: 43 Resp: 903

Ion Ratio Lower Upper

43 100

58 18.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

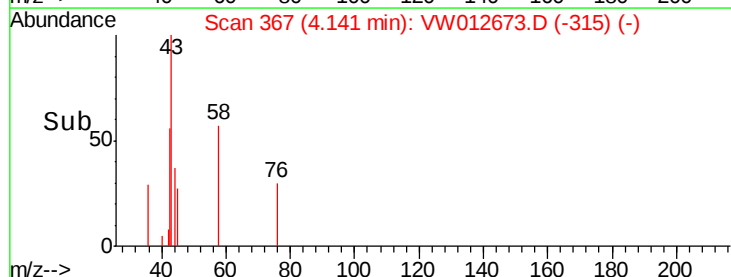
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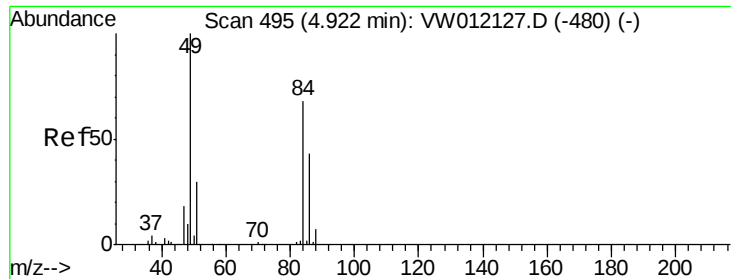
200

100

0

Time-->

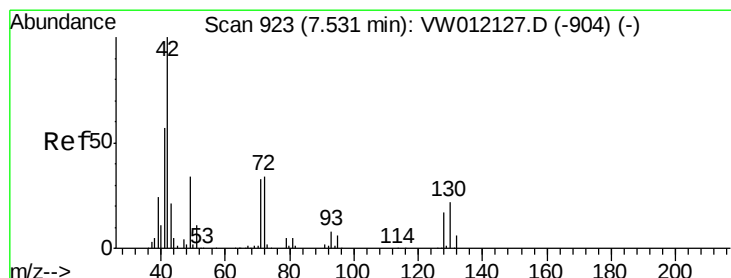
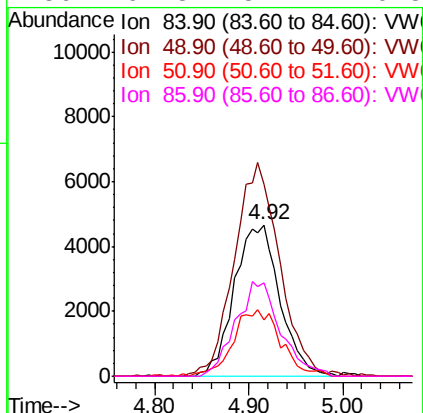
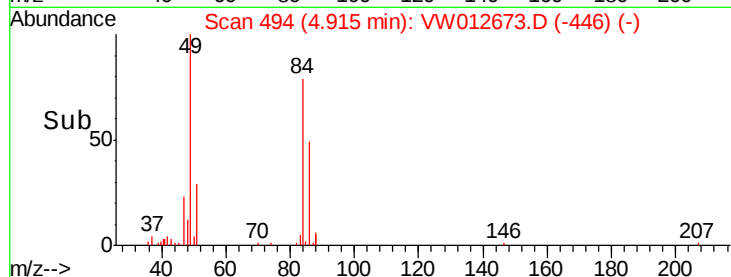
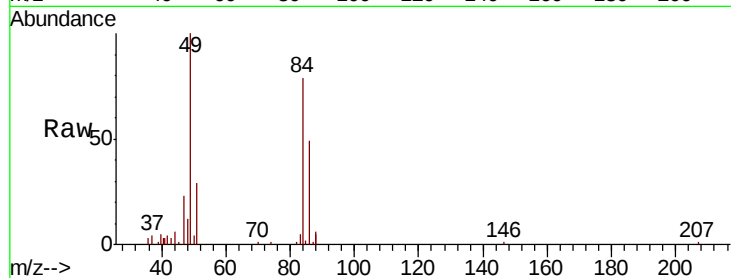




#20
Methylene Chloride
Concen: 5.568 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012673.D
Acq: 06 Sep 2019 06:05

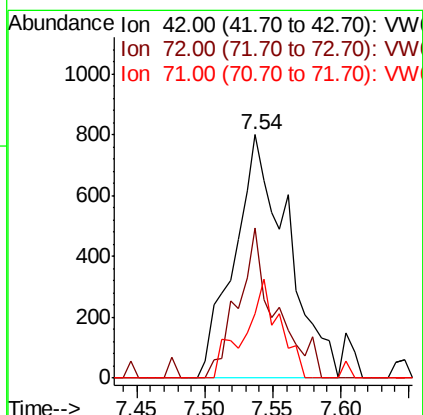
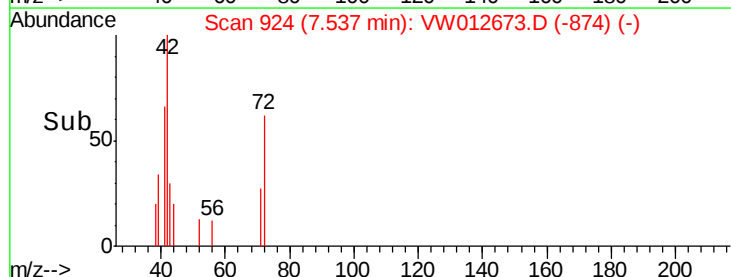
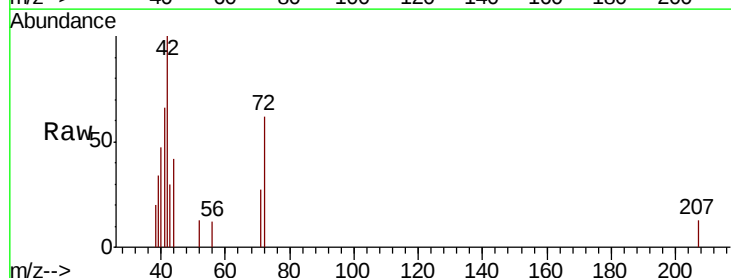
Instrument :
MSVOA_W
ClientSampleId :
T12-B4-(3.5)

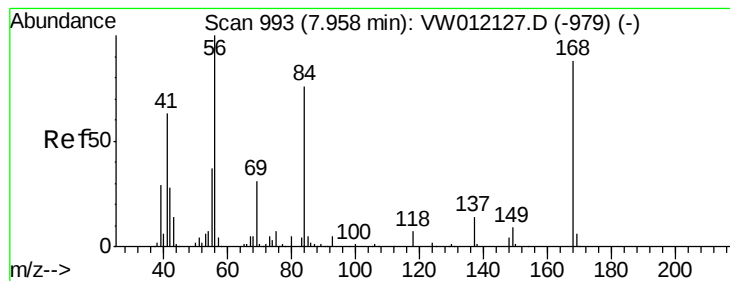
Tgt Ion: 84 Resp: 15748
Ion Ratio Lower Upper
84 100
49 125.4 117.8 176.8
51 37.3 35.6 53.4
86 61.8 51.2 76.8



#29
Tetrahydrofuran
Concen: 3.584 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012673.D
Acq: 06 Sep 2019 06:05

Tgt Ion: 42 Resp: 2186
Ion Ratio Lower Upper
42 100
72 43.5 27.3 40.9#
71 27.1 25.5 38.3





#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012673.D

Acq: 06 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :

T12-B4-(3.5)

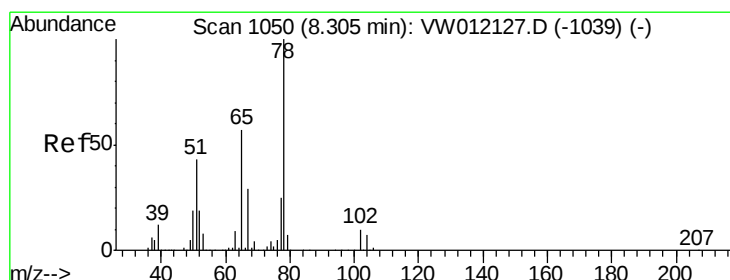
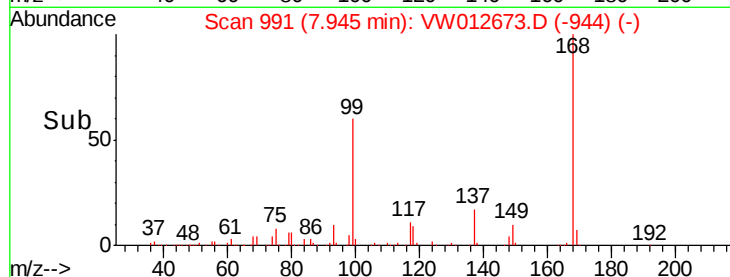
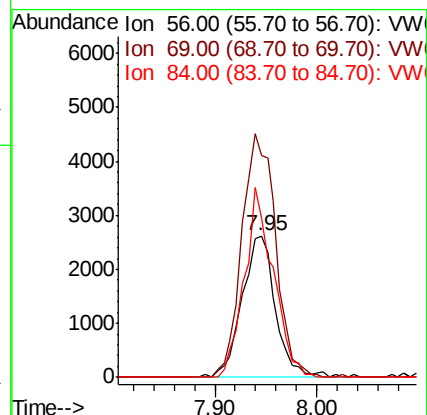
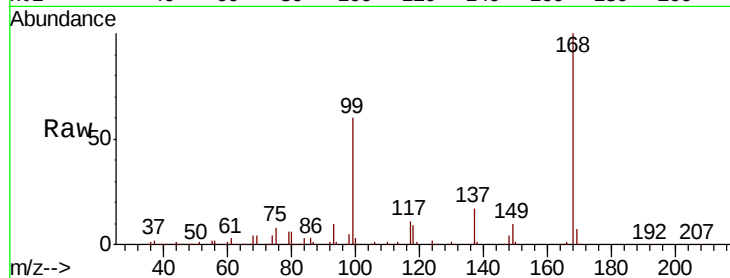
Tgt Ion: 56 Resp: 5950

Ion Ratio Lower Upper

56 100

69 156.2 24.9 37.3#

84 111.8 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 58.245 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012673.D

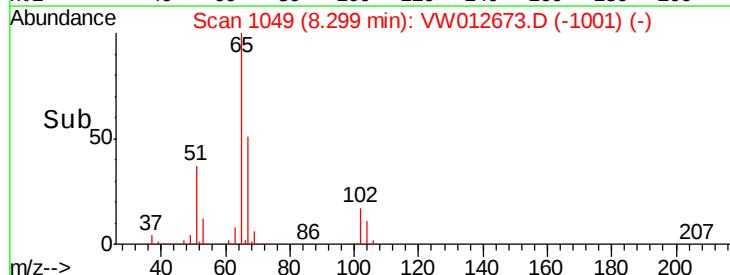
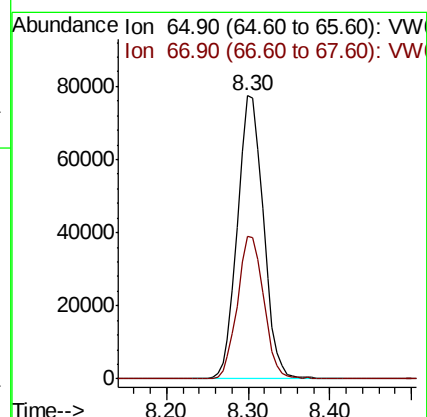
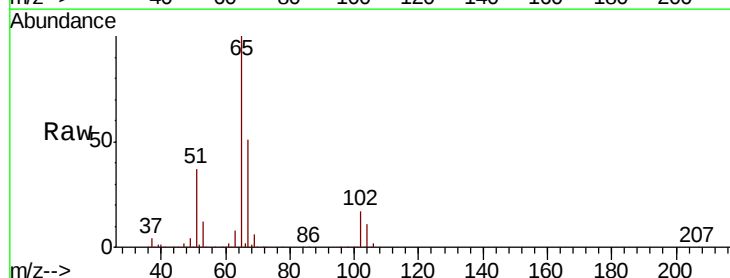
Acq: 06 Sep 2019 06:05

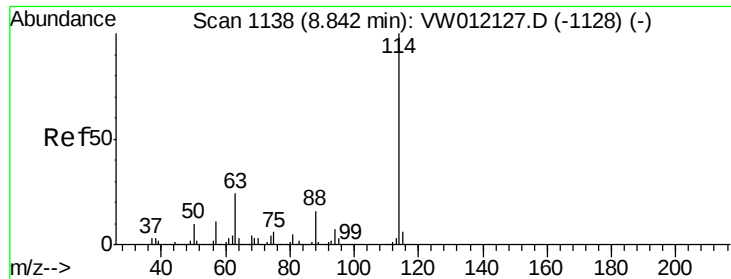
Tgt Ion: 65 Resp: 170471

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6

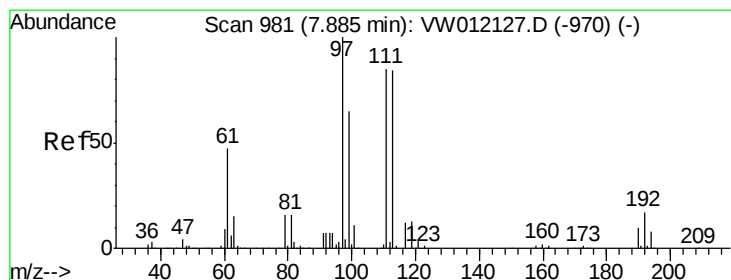
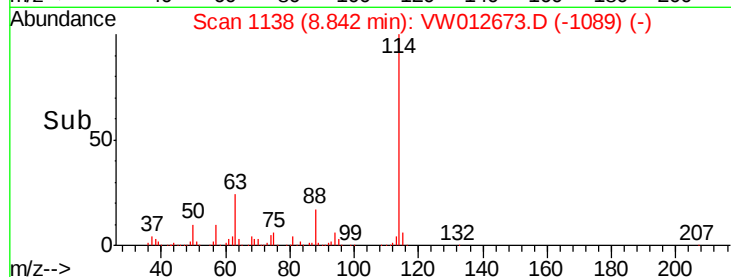
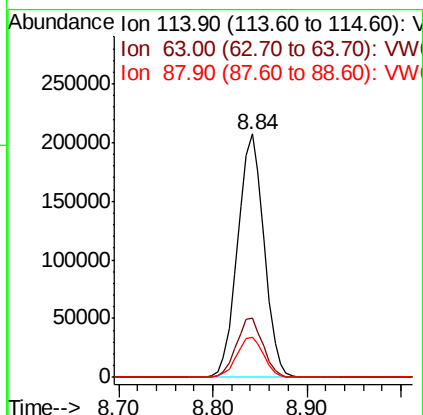
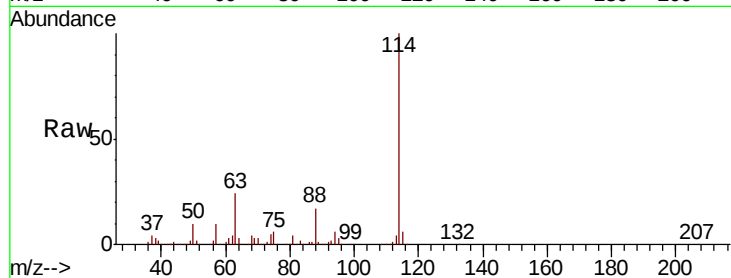




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012673.D
 Acq: 06 Sep 2019 06:05

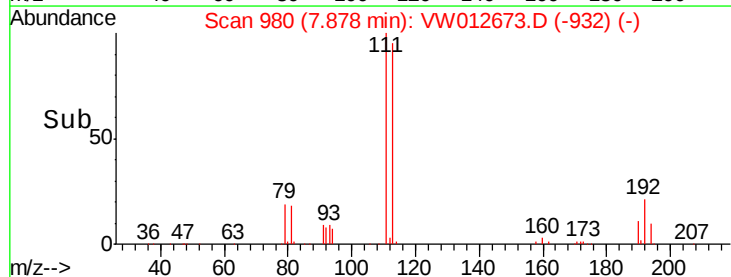
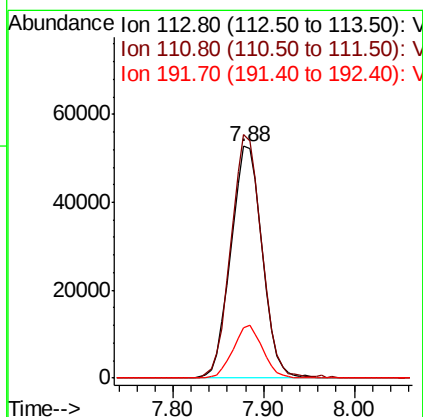
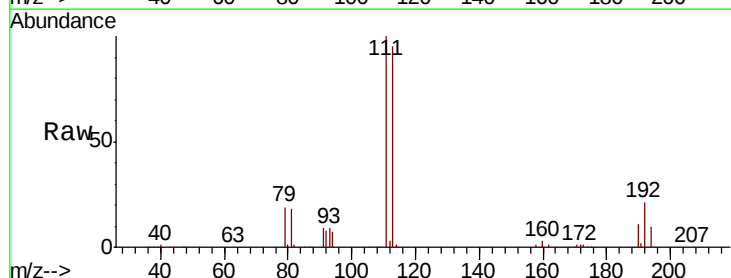
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-B4-(3.5)

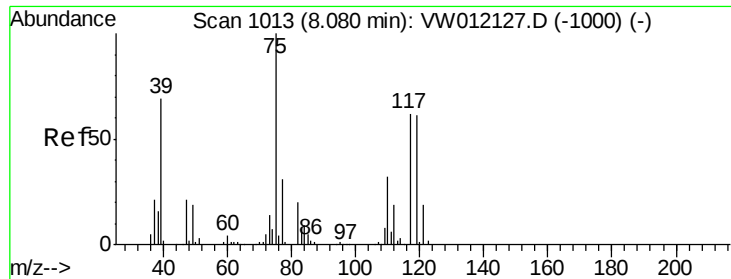
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	48.6
88	16.6	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 52.817 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012673.D
 Acq: 06 Sep 2019 06:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	21.5	16.2	24.2

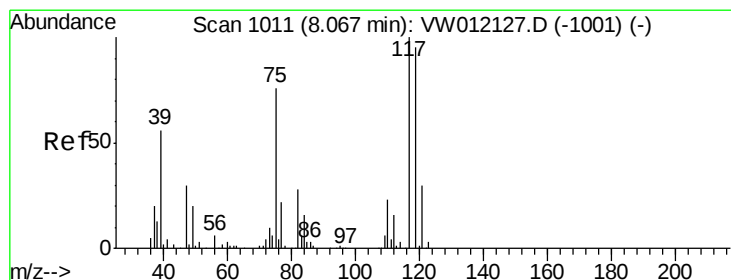
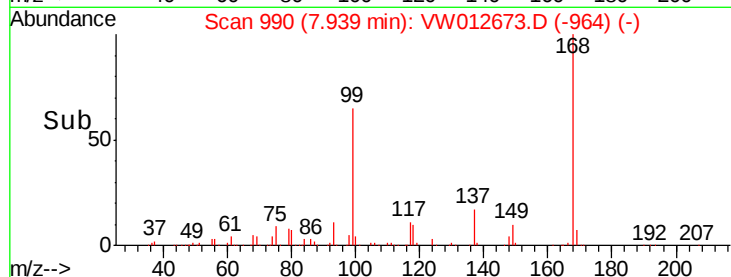
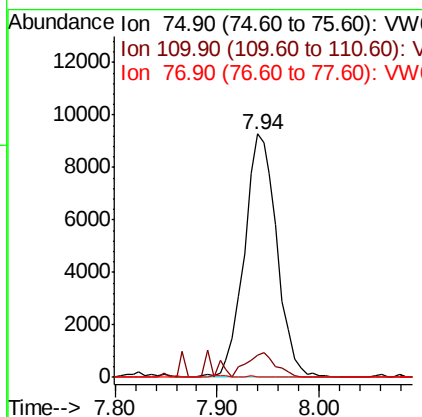
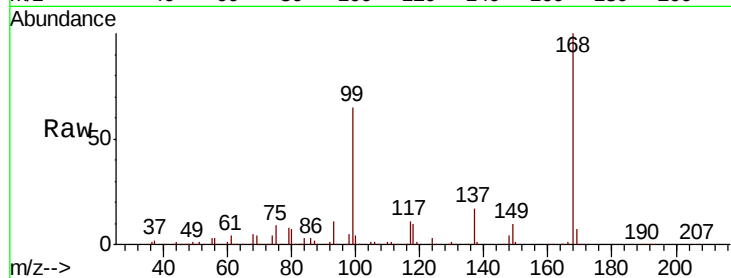




#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012673.D
 Acq: 06 Sep 2019 06:05

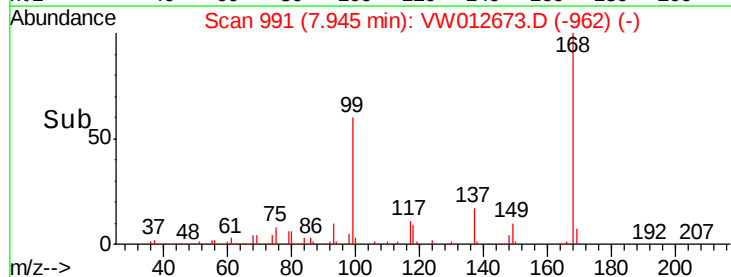
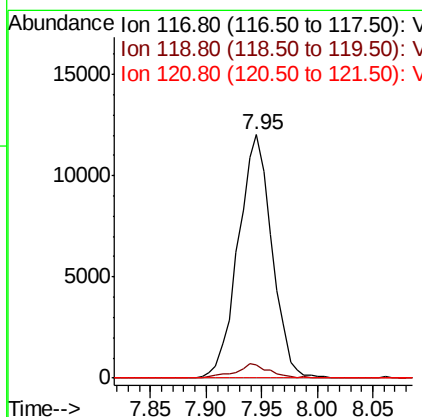
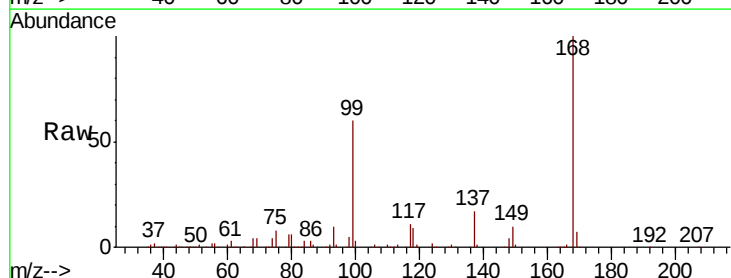
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-B4-(3.5)

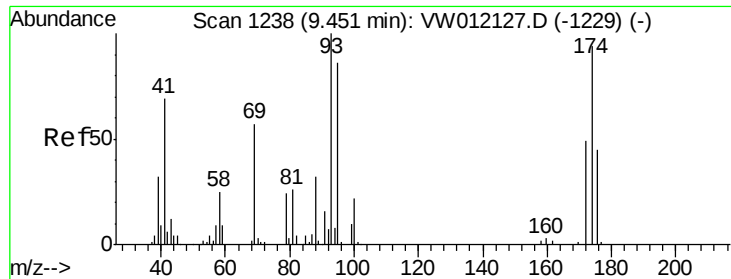
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.001 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012673.D
 Acq: 06 Sep 2019 06:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.103 ug/l

RT: 9.27 min Scan# 1209

Delta R.T. -0.18 min

Lab File: VW012673.D

Acq: 06 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampled :

T12-B4-(3.5)

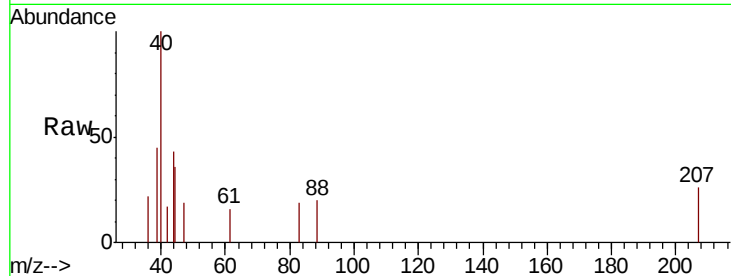
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

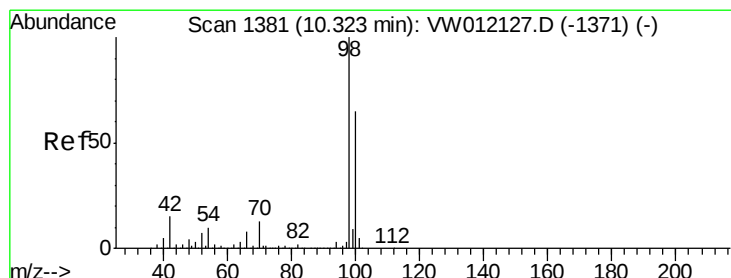
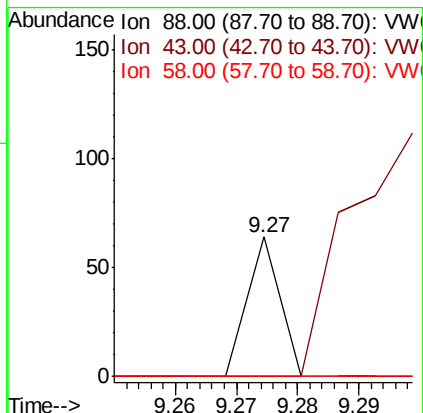
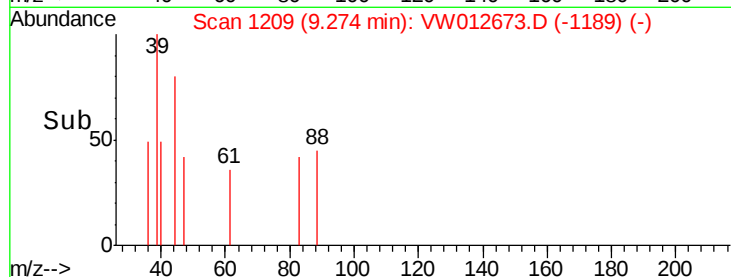
58 0.0 71.0 106.4#



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: 49.244 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012673.D

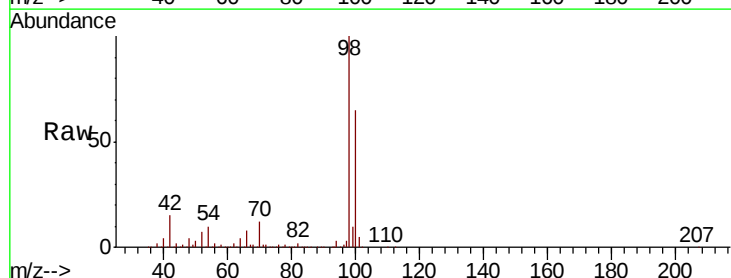
Acq: 06 Sep 2019 06:05

Tgt Ion: 98 Resp: 480295

Ion Ratio Lower Upper

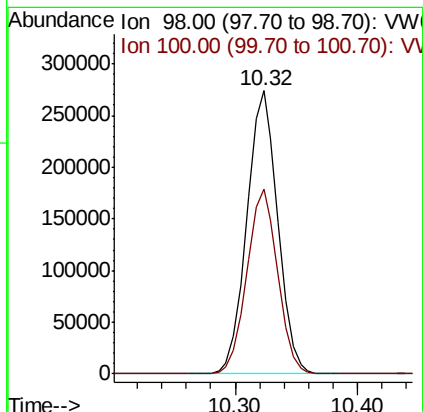
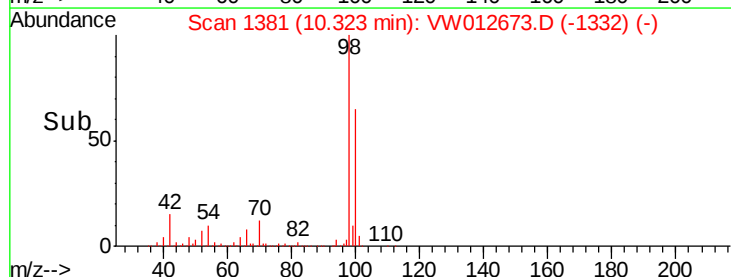
98 100

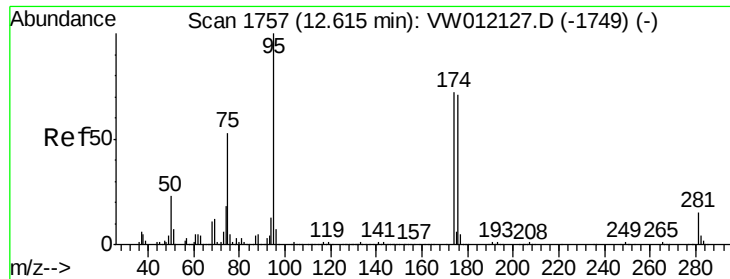
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

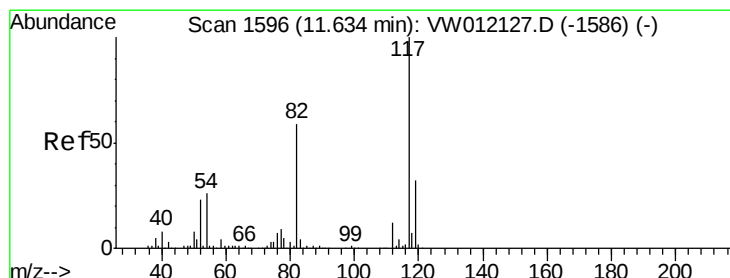
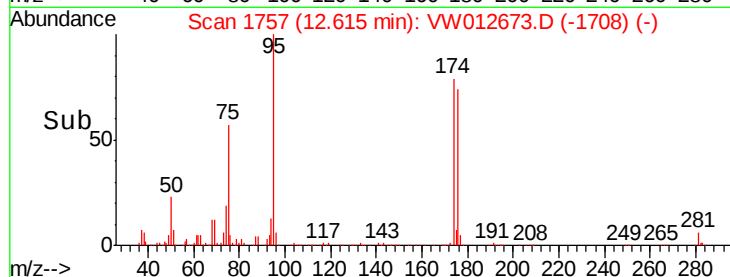
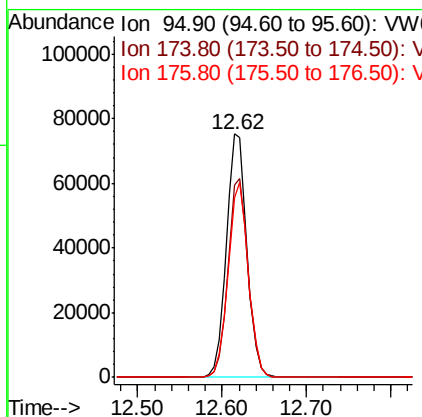
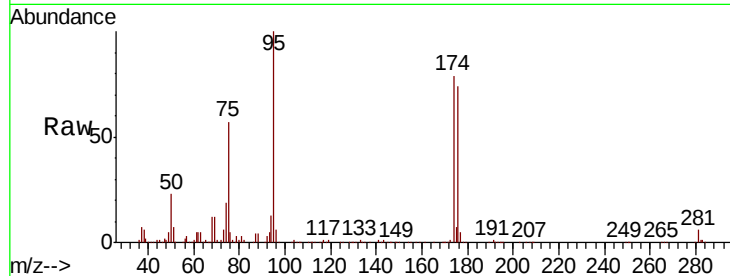




#62
4-Bromofluorobenzene
Concen: 36.492 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012673.D
Acq: 06 Sep 2019 06:05

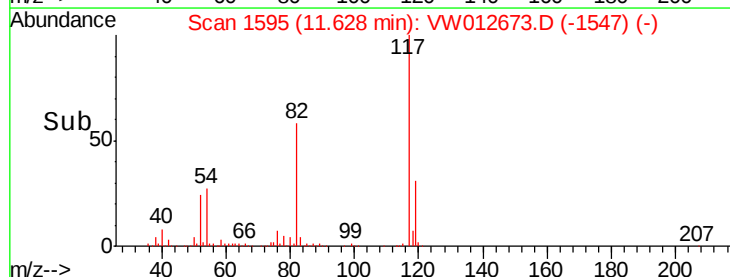
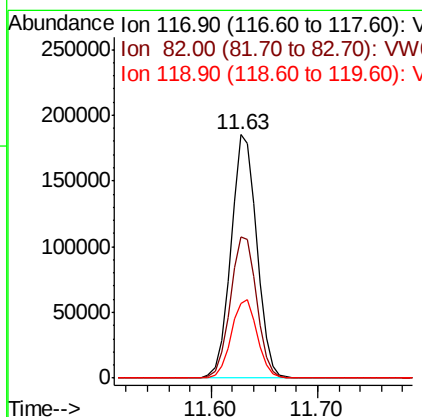
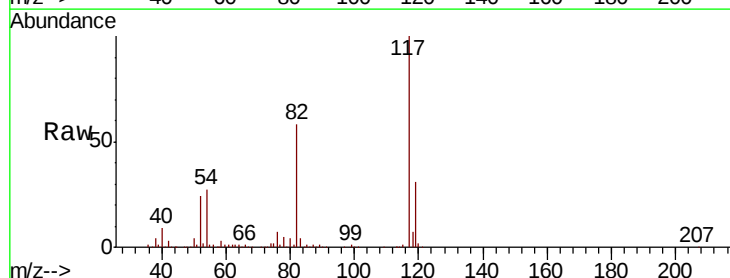
Instrument :
MSVOA_W
ClientSampleId :
T12-B4-(3.5)

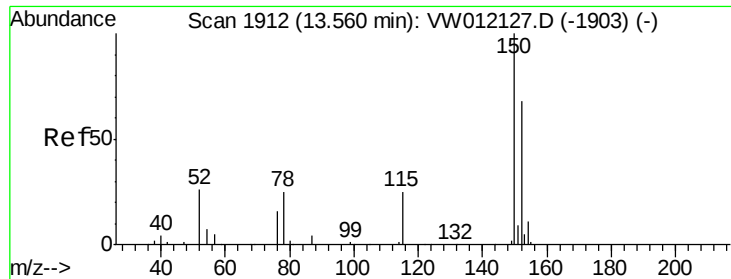
Tgt Ion: 95 Resp: 125464
Ion Ratio Lower Upper
95 100
174 79.8 0.0 150.8
176 78.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012673.D
Acq: 06 Sep 2019 06:05

Tgt Ion: 117 Resp: 315321
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 30.7 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: VW012673.D

Acq: 06 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :

T12-B4-(3.5)

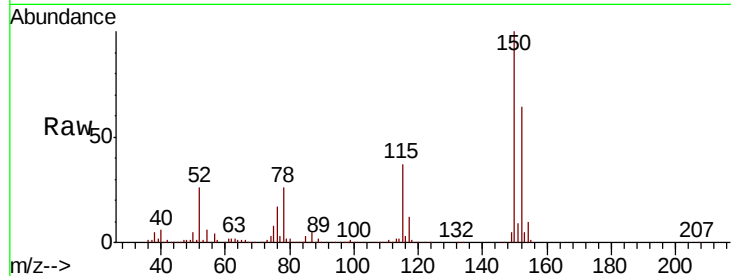
Tgt Ion:152 Resp: 91034

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

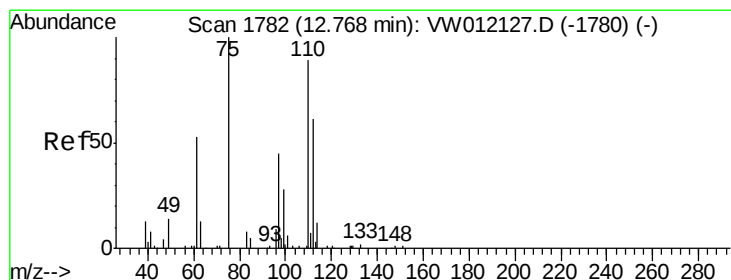
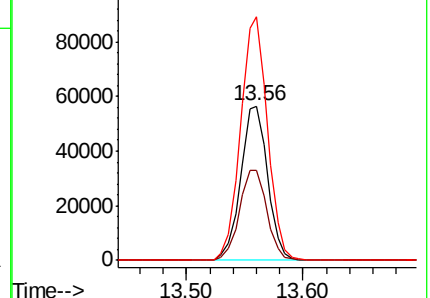
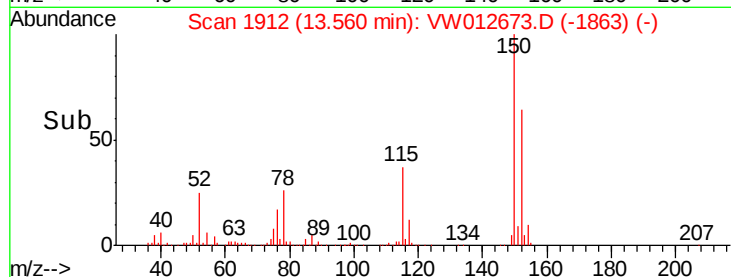
150 157.6 0.0 345.8



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: 78.146 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012673.D

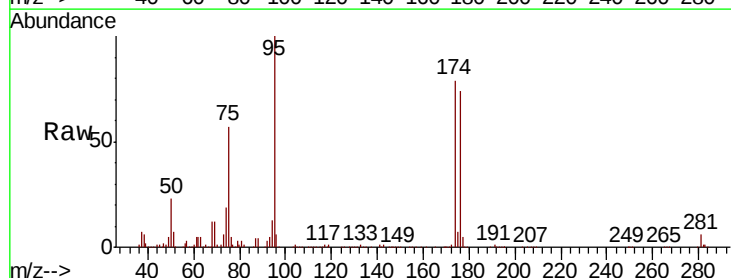
Acq: 06 Sep 2019 06:05

Tgt Ion: 75 Resp: 69285

Ion Ratio Lower Upper

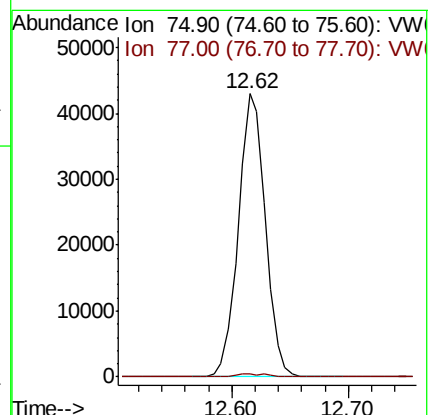
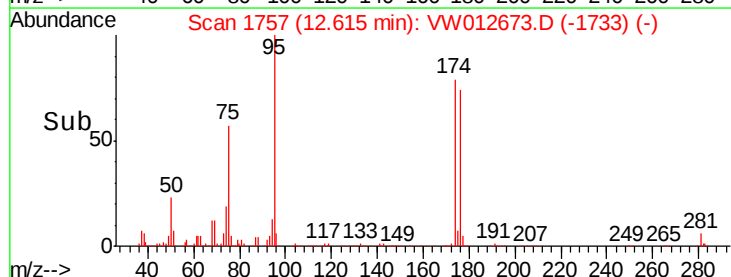
75 100

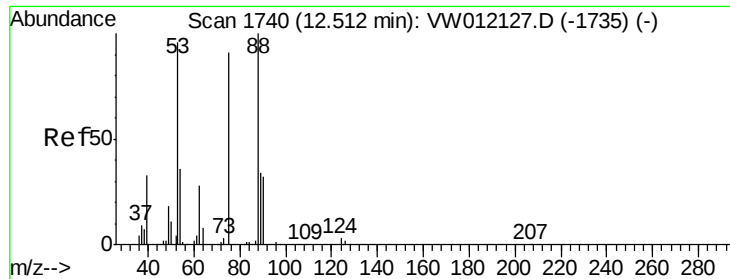
77 1.3 0.0 0.0#



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: 171.339 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012673.D

Acq: 06 Sep 2019 06:05

Instrument :

MSVOA_W

ClientSampleId :

T12-B4-(3.5)

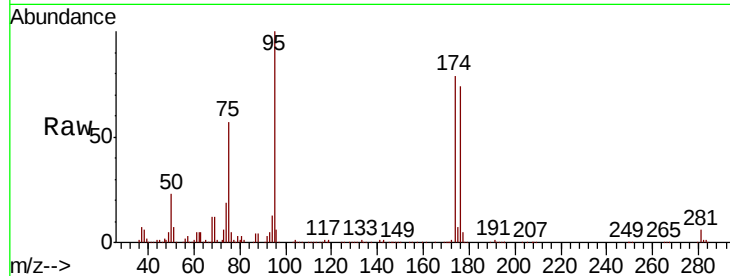
Tgt Ion: 75 Resp: 69285

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

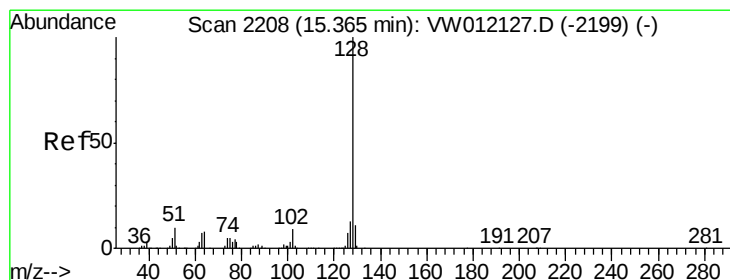
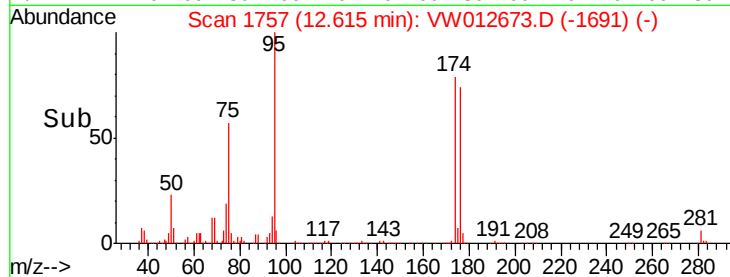
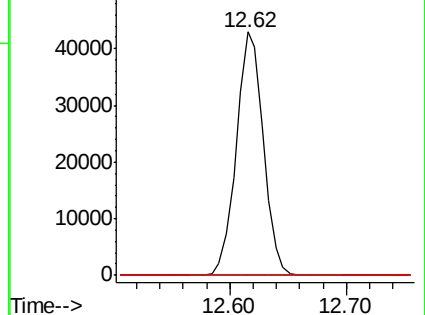
89 0.0 34.5 51.7#



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: 4.337 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012673.D

Acq: 06 Sep 2019 06:05

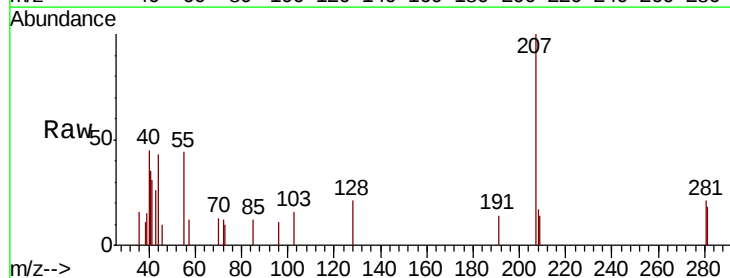
Tgt Ion: 128 Resp: 61

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

