

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012334.D
 Acq On : 30 Aug 2019 05:50
 Operator : SY/VA
 Sample : K4554-03
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(0-2)

Quant Time: Aug 30 06:56:38 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	243504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113399	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	143702	49.64	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.28%	
35) Dibromofluoromethane		7.88	113	119346	50.14	ug/l	0.00
Spiked Amount	50.000			Recovery	=	100.28%	
50) Toluene-d8		10.32	98	478691	49.60	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene		12.62	95	140984	41.44	ug/l	0.00
Spiked Amount	50.000			Recovery	=	82.88%	

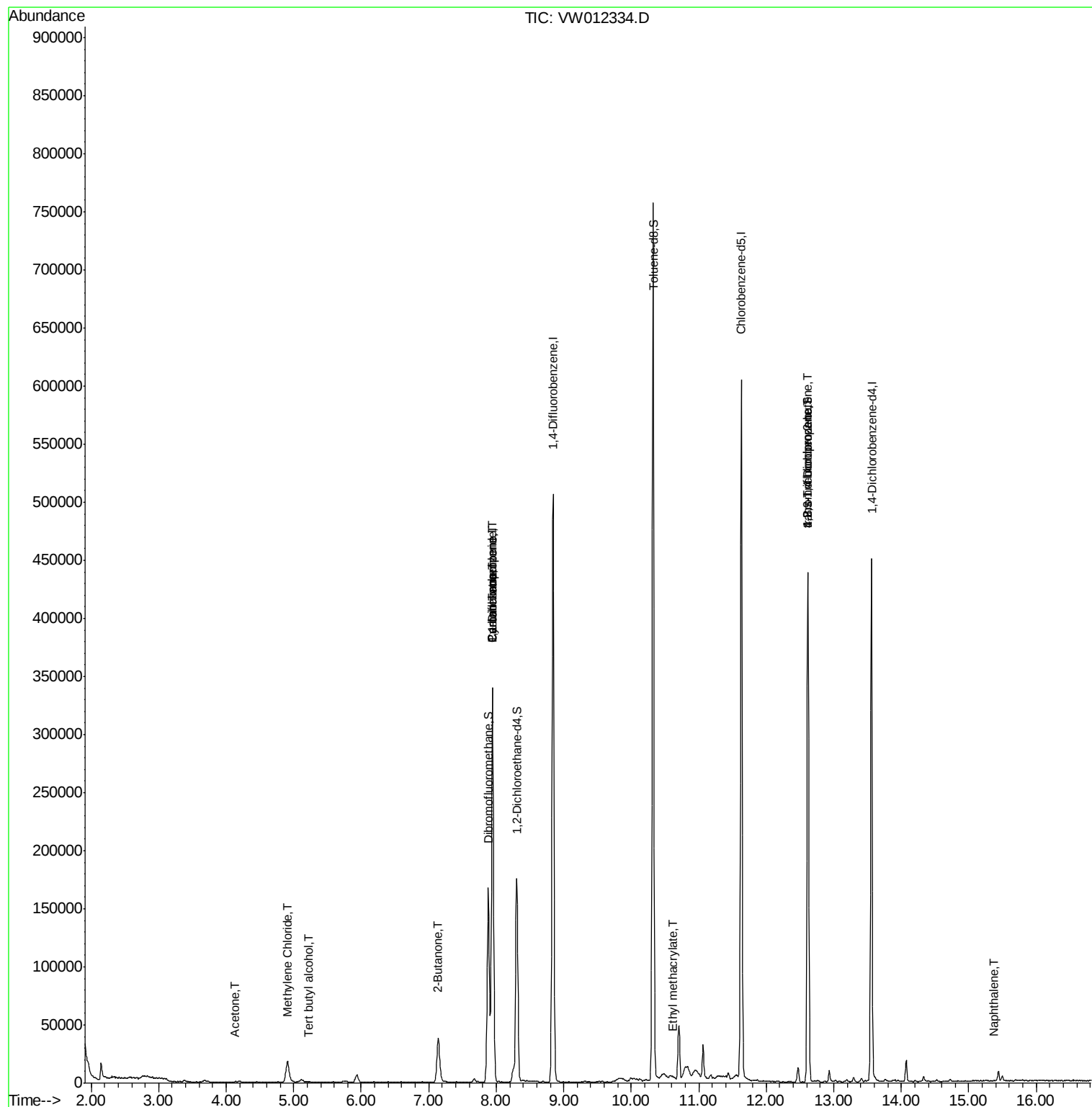
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	447	2.566	ug/l #	82
16) Acetone	4.14	43	1191	1.610	ug/l #	78
20) Methylene Chloride	4.91	84	12722	4.548	ug/l	97
25) 2-Butanone	7.14	43	2575	2.561	ug/l #	85
31) Cyclohexane	7.94	56	5757	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21599	5.242	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24098	6.757	ug/l #	16
56) Ethyl methacrylate	10.62	69	4442	1.601	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	74349	67.319	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74349	147.600	ug/l #	6
95) Naphthalene	15.36	128	240	4.372	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: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

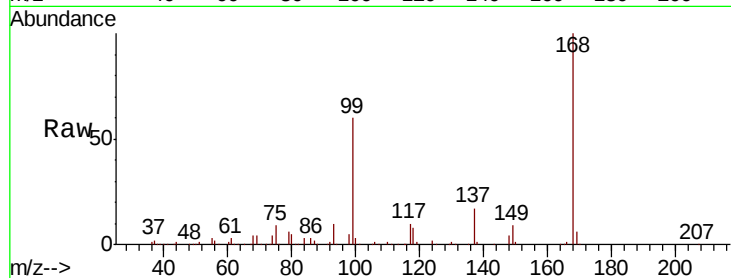
SB-14-(0-2)

Tgt Ion:168 Resp: 243504

Ion Ratio Lower Upper

168 100

99 59.7 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

120000

100000

80000

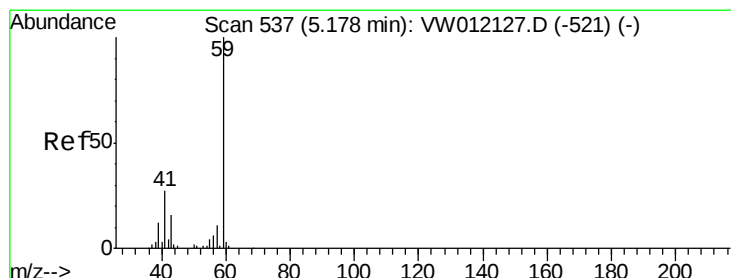
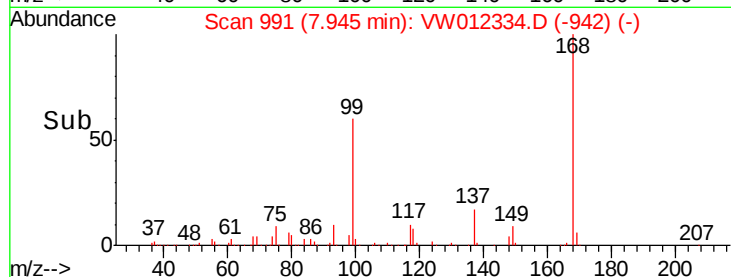
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.566 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.05 min

Lab File: VW012334.D

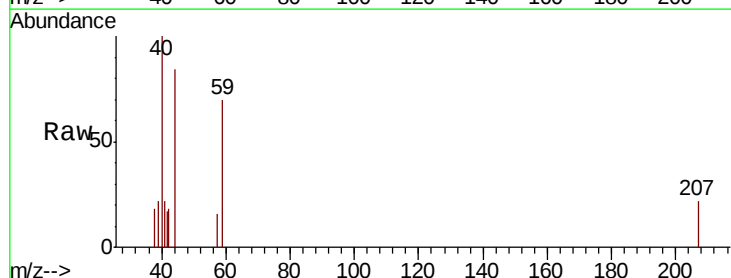
Acq: 30 Aug 2019 05:50

Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

59 100

57 4.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

250

200

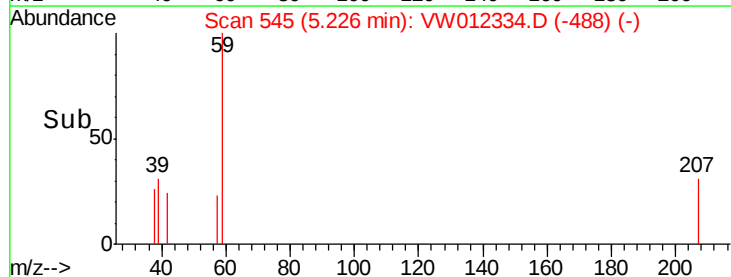
150

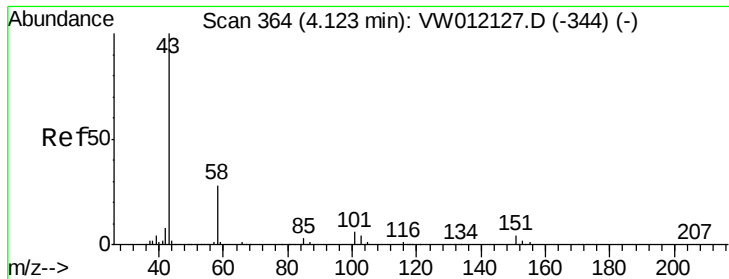
100

50

0

Time--> 5.20 5.25 5.30





#16

Acetone

Concen: 1.610 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

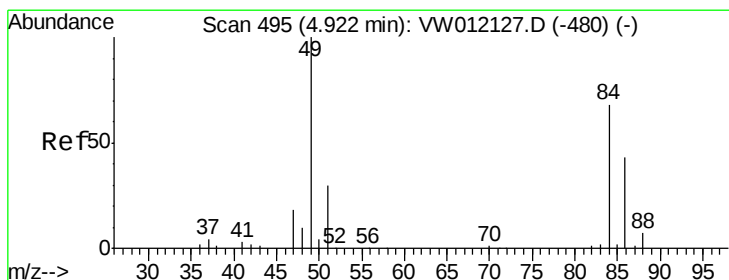
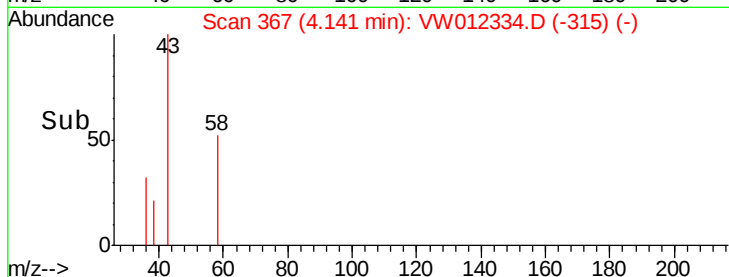
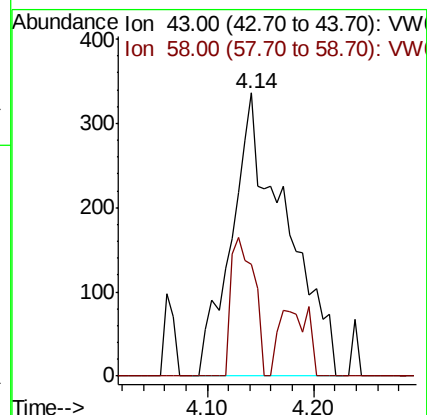
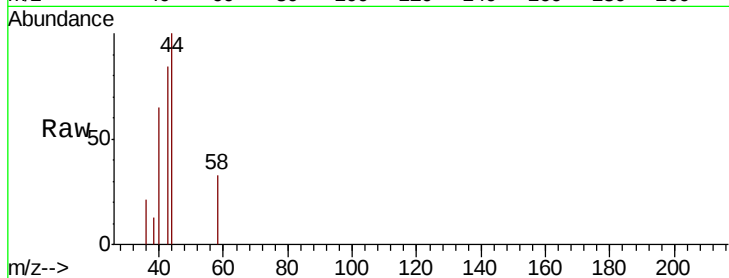
SB-14-(0-2)

Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

58 39.6 22.4 33.6#



#20

Methylene Chloride

Concen: 4.548 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Tgt Ion: 84 Resp: 12722

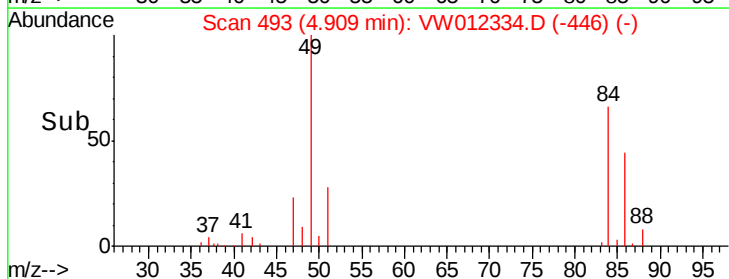
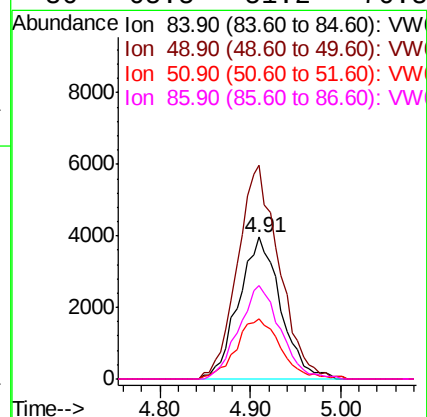
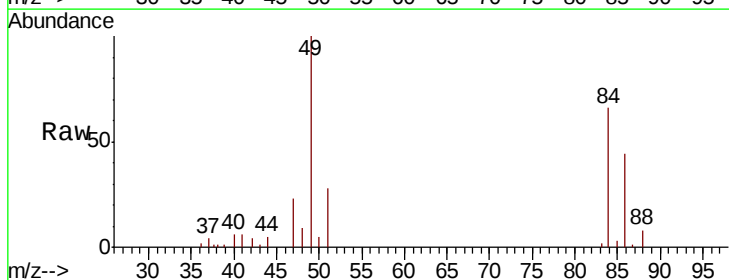
Ion Ratio Lower Upper

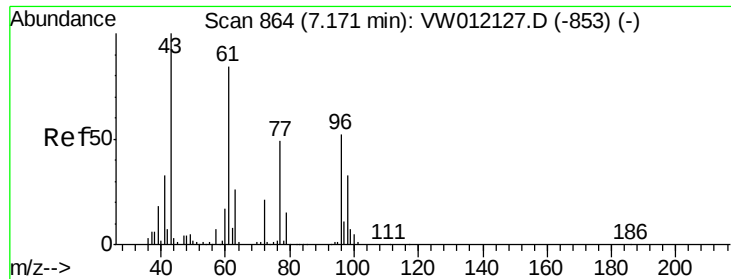
84 100

49 150.4 117.8 176.8

51 42.0 35.6 53.4

86 65.5 51.2 76.8





#25

2-Butanone

Concen: 2.561 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampled :

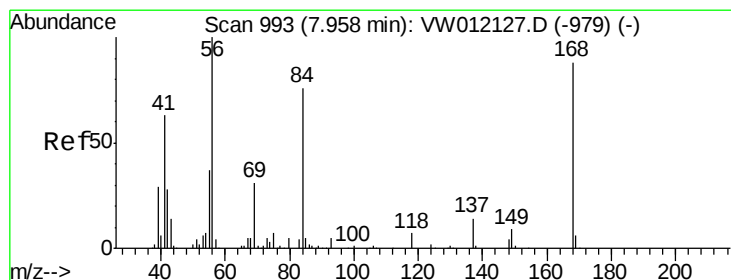
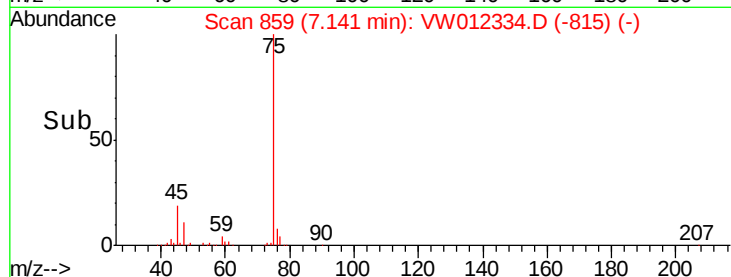
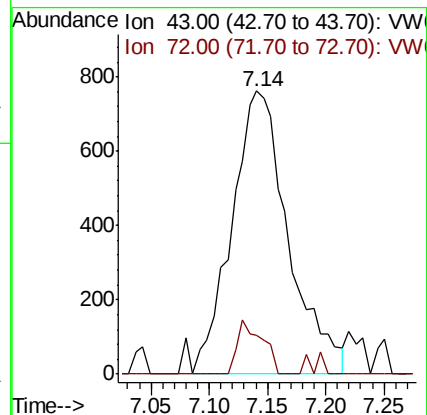
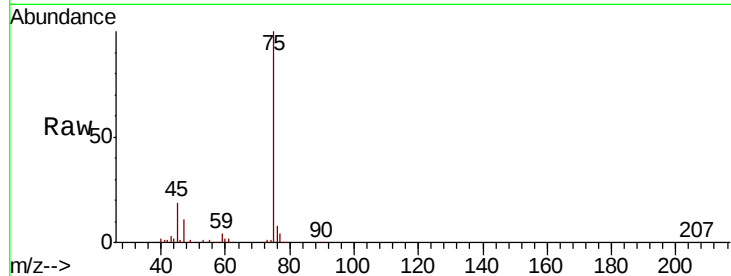
SB-14-(0-2)

Tgt Ion: 43 Resp: 2575

Ion Ratio Lower Upper

43 100

72 13.9 16.6 24.8#



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

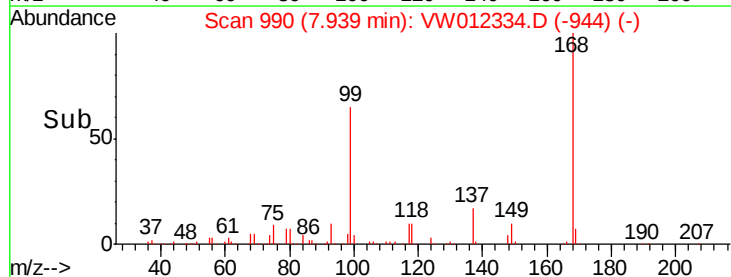
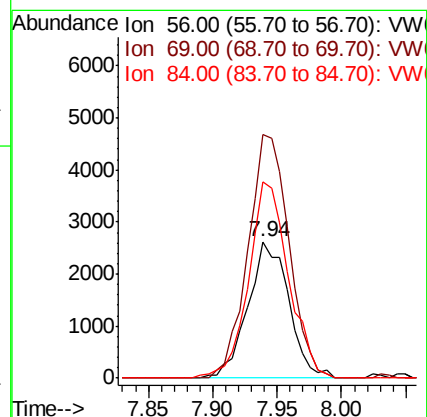
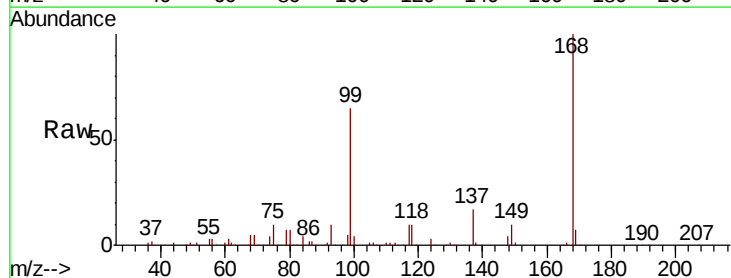
Tgt Ion: 56 Resp: 5757

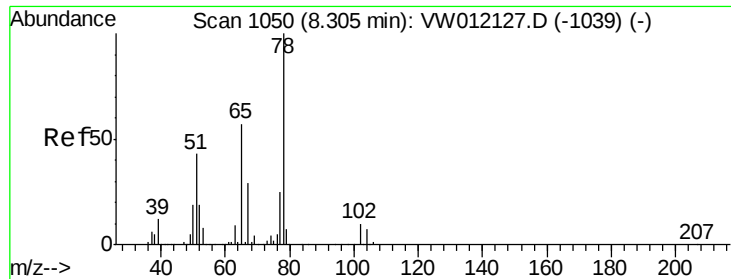
Ion Ratio Lower Upper

56 100

69 178.3 24.9 37.3#

84 143.3 60.6 90.8#

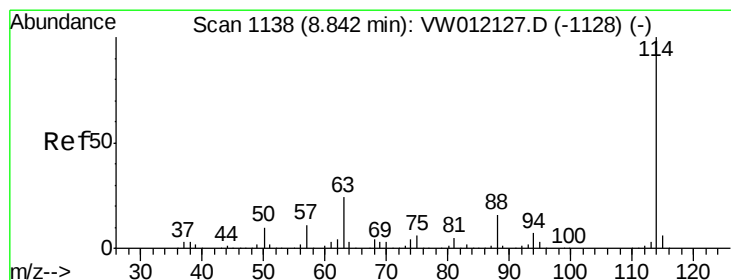
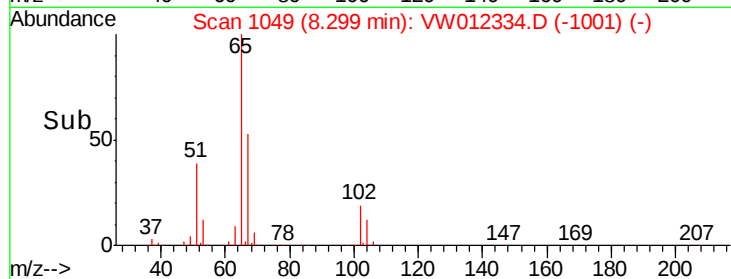
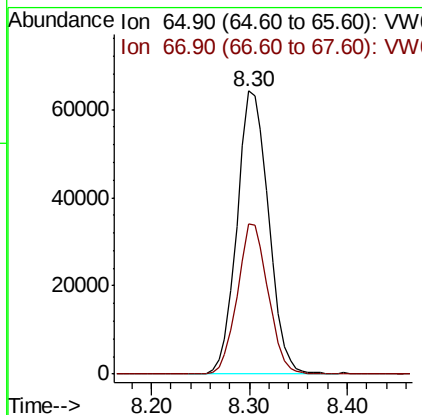
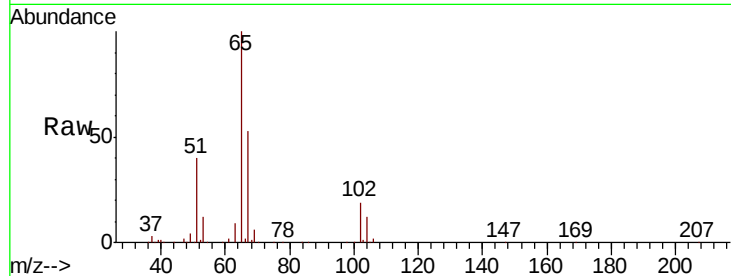




#33
 1,2-Dichloroethane-d4
 Concen: 49.644 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012334.D
 Acq: 30 Aug 2019 05:50

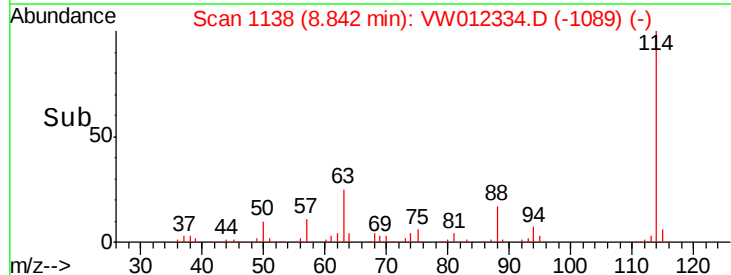
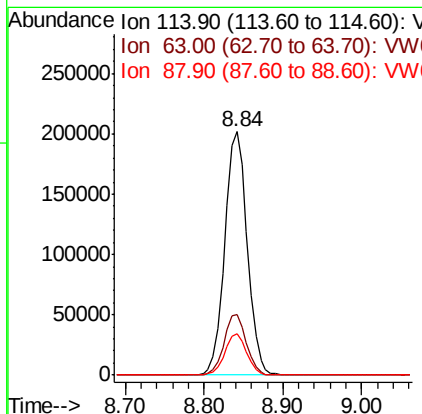
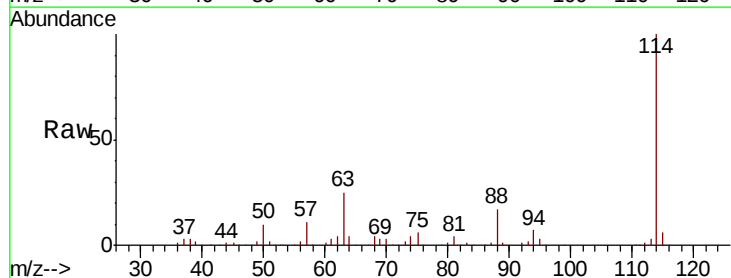
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(0-2)

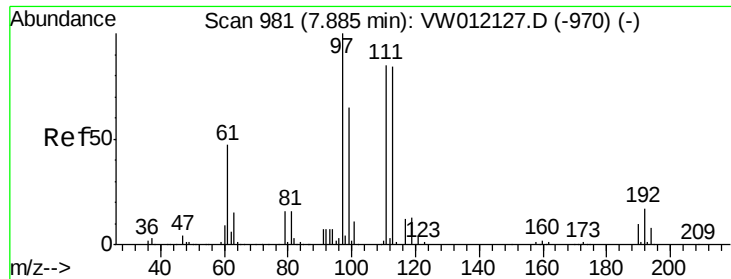
Tgt Ion: 65 Resp: 143702
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012334.D
 Acq: 30 Aug 2019 05:50

Tgt Ion: 114 Resp: 398755
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.142 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

SB-14-(0-2)

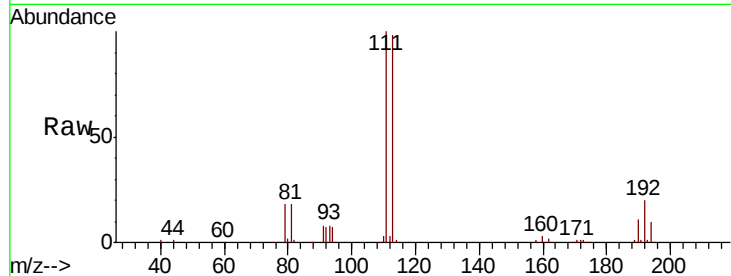
Tgt Ion:113 Resp: 119346

Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

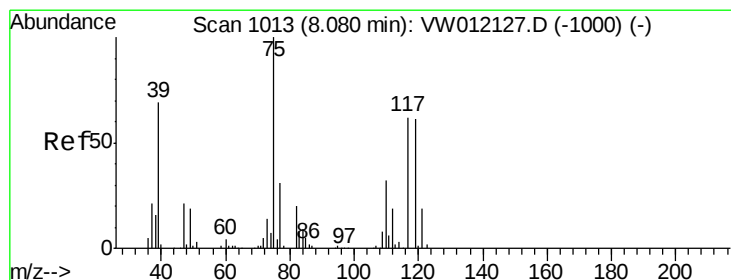
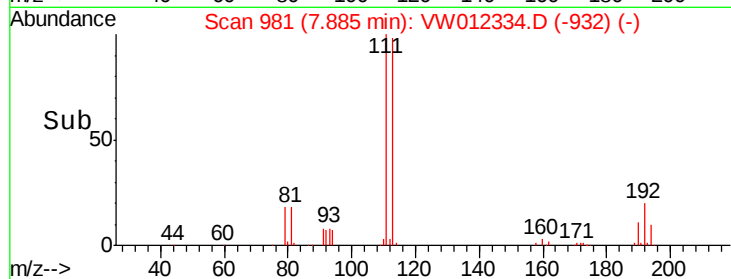
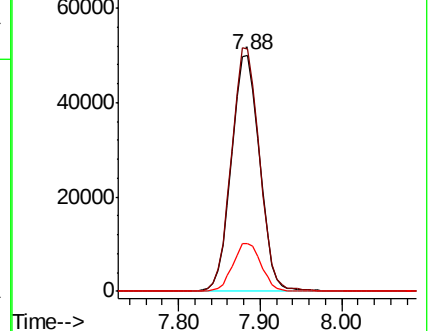
192 20.3 16.2 24.2



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: 5.242 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

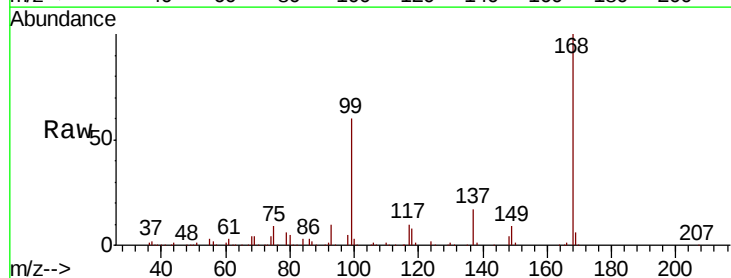
Tgt Ion: 75 Resp: 21599

Ion Ratio Lower Upper

75 100

110 7.5 15.6 46.8#

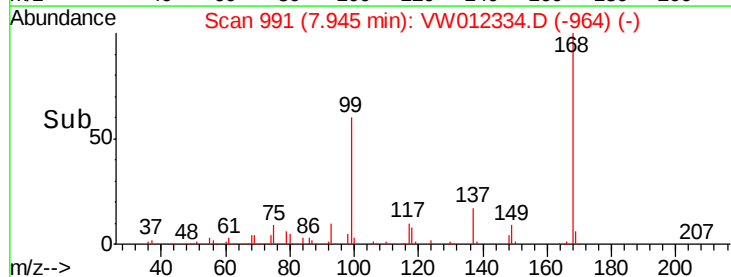
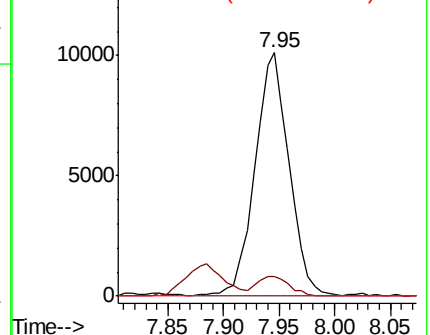
77 0.0 24.6 36.8#

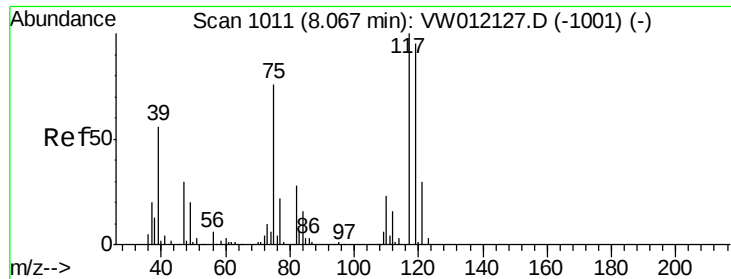


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.757 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

SB-14-(0-2)

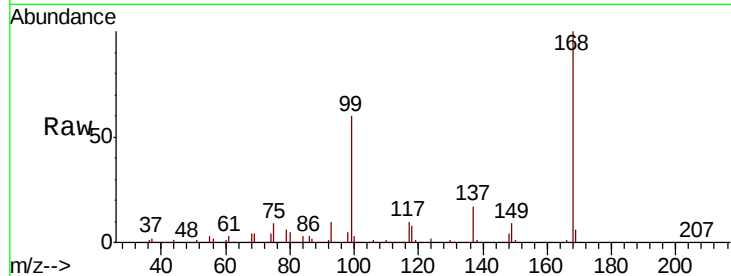
Tgt Ion:117 Resp: 24098

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

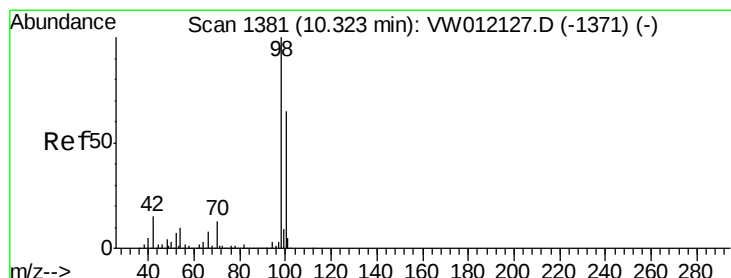
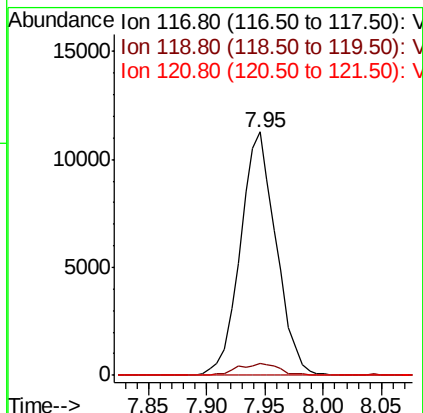
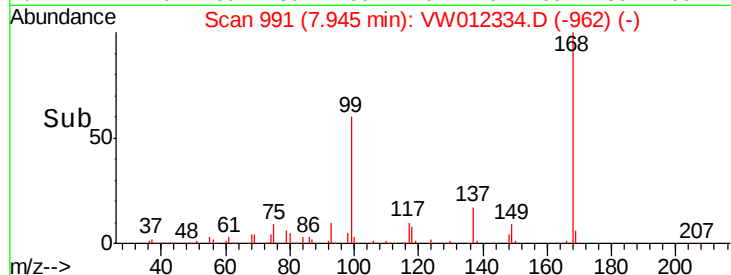
121 0.0 23.8 35.8#



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



#50

Toluene-d8

Concen: 49.600 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012334.D

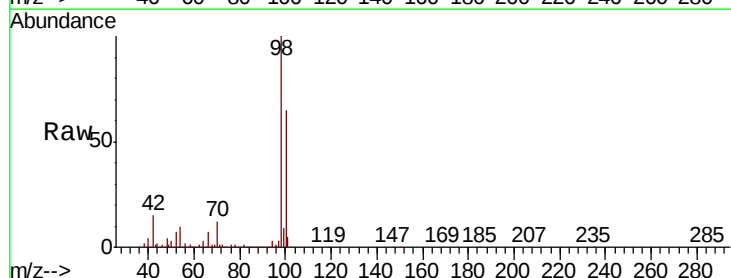
Acq: 30 Aug 2019 05:50

Tgt Ion: 98 Resp: 478691

Ion Ratio Lower Upper

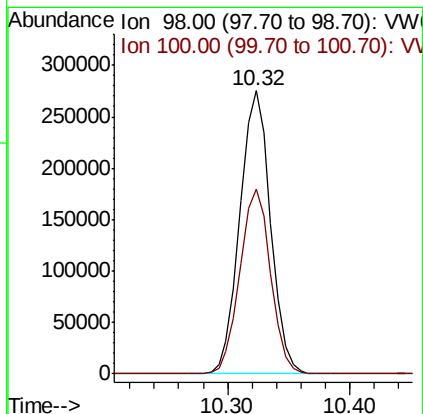
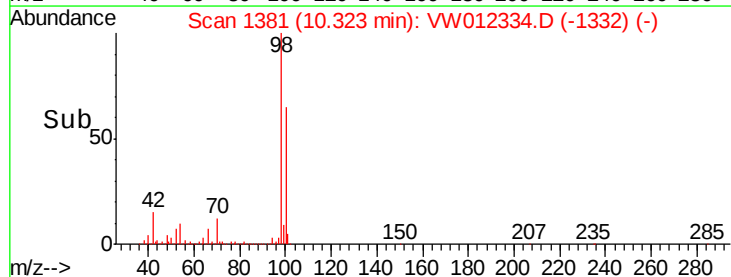
98 100

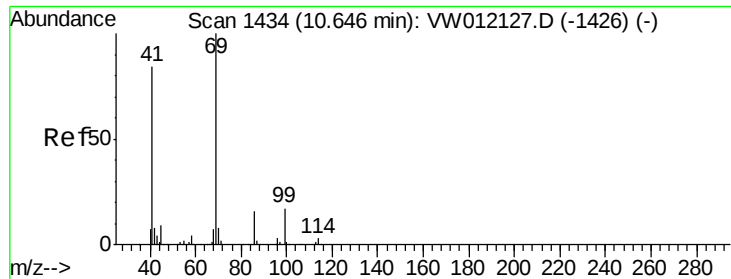
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

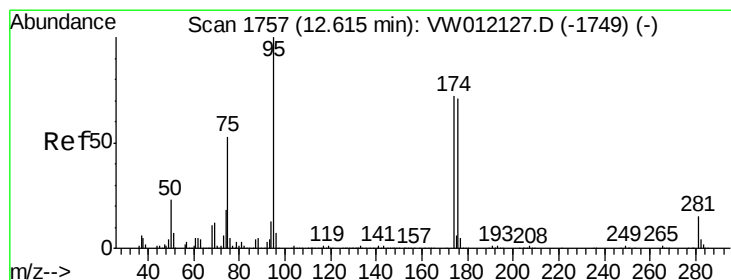
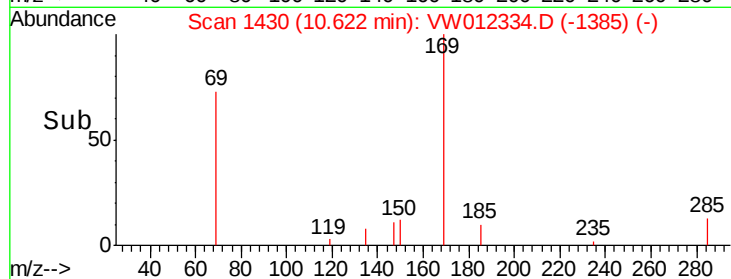
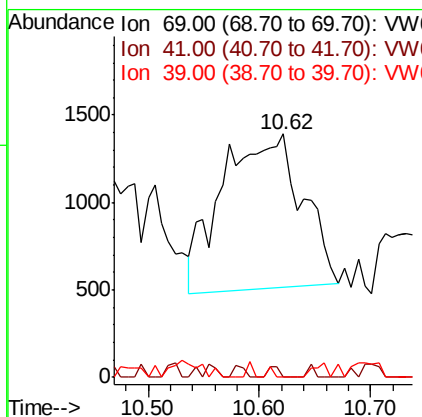
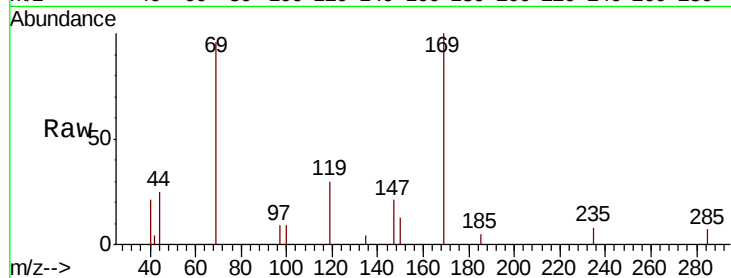




#56
Ethyl methacrylate
Concen: 1.601 ug/l
RT: 10.62 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VW012334.D
Acq: 30 Aug 2019 05:50

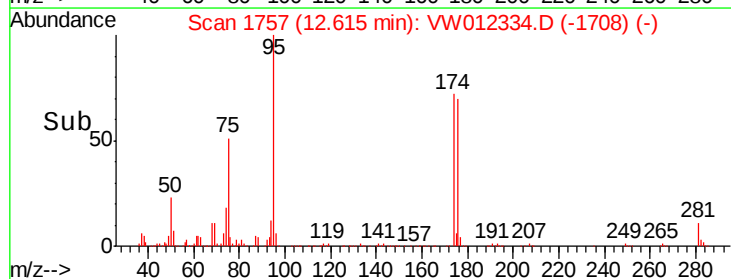
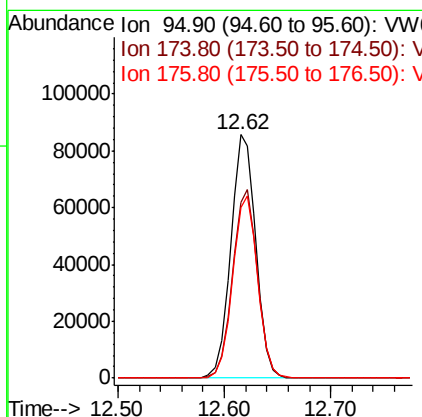
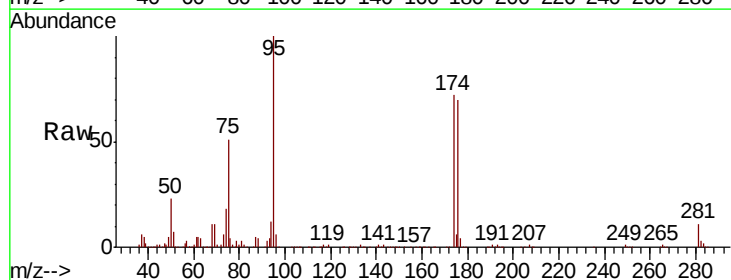
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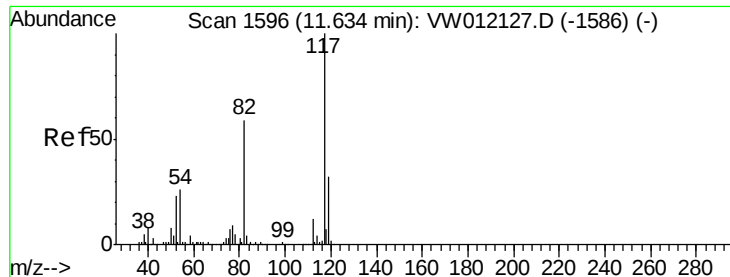
Tgt Ion: 69 Resp: 4442
Ion Ratio Lower Upper
69 100
41 1.0 66.5 99.7#
39 0.5 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 41.442 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012334.D
Acq: 30 Aug 2019 05:50

Tgt Ion: 95 Resp: 140984
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.8
176 74.6 0.0 148.6

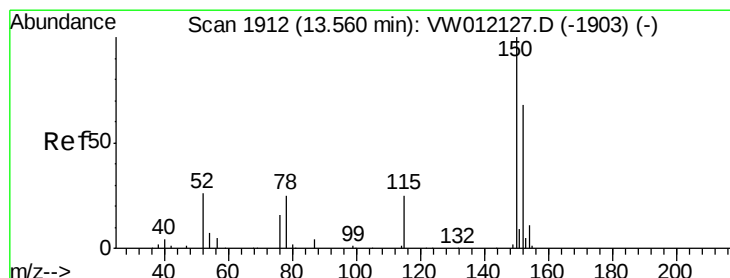
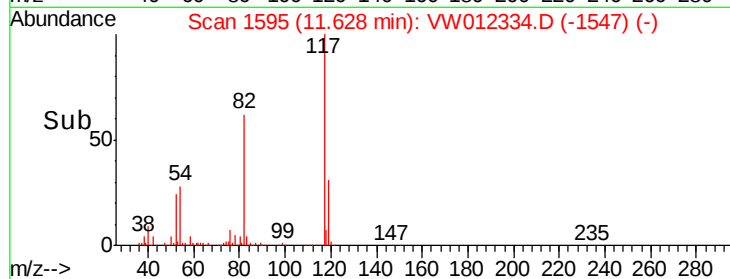
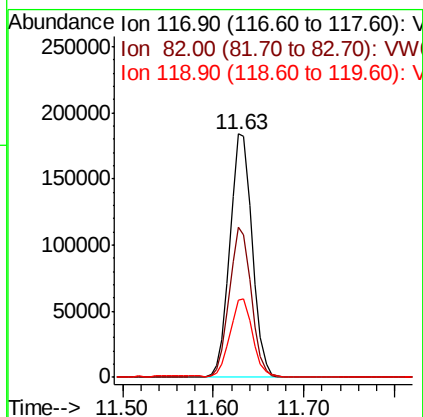
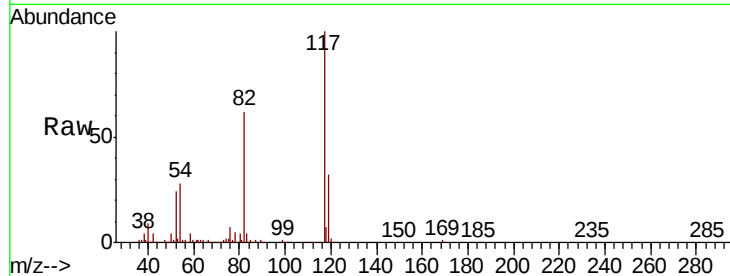




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012334.D
Acq: 30 Aug 2019 05:50

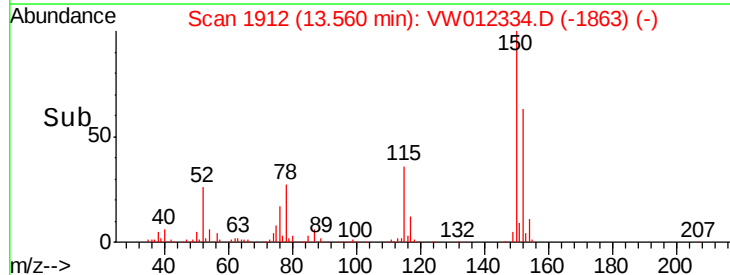
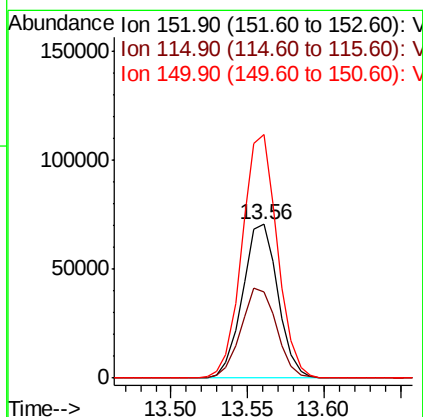
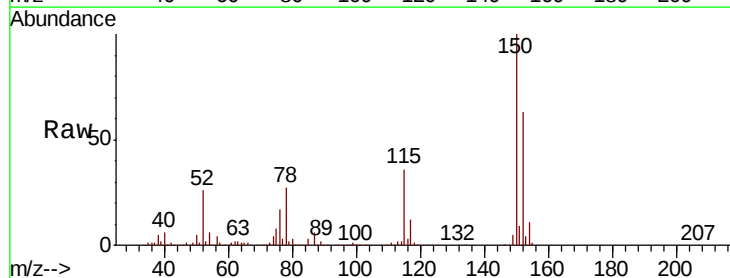
Instrument :
MSVOA_W
ClientSampleId :
SB-14-(0-2)

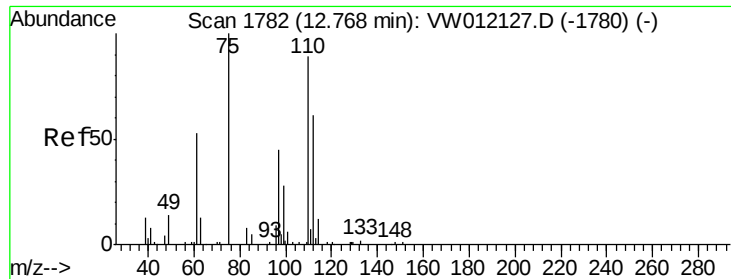
Tgt Ion:117 Resp: 314106
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012334.D
Acq: 30 Aug 2019 05:50

Tgt Ion:152 Resp: 113399
Ion Ratio Lower Upper
152 100
115 59.1 30.1 90.3
150 157.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 67.319 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

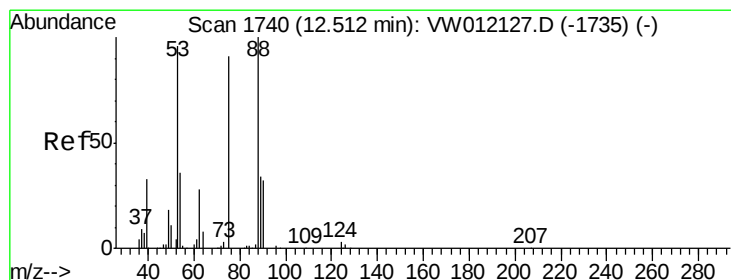
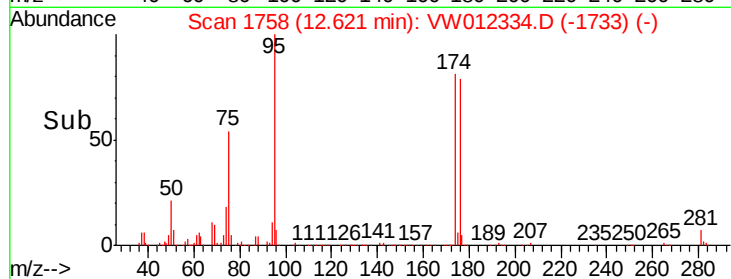
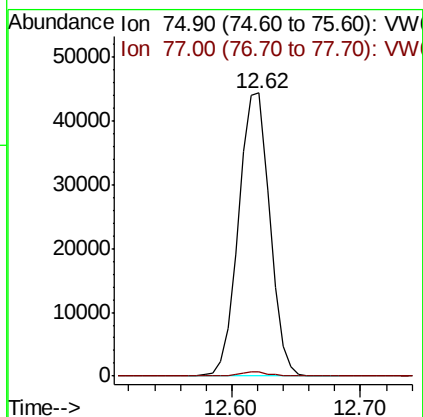
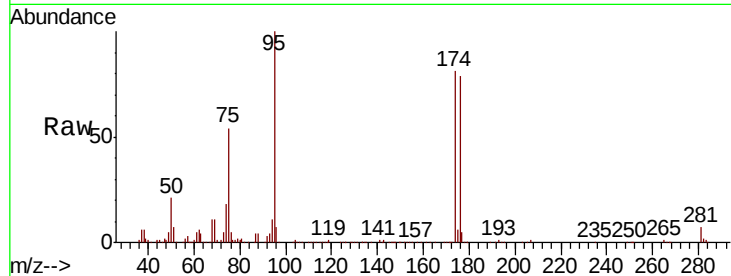
SB-14-(0-2)

Tgt Ion: 75 Resp: 74349

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.600 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

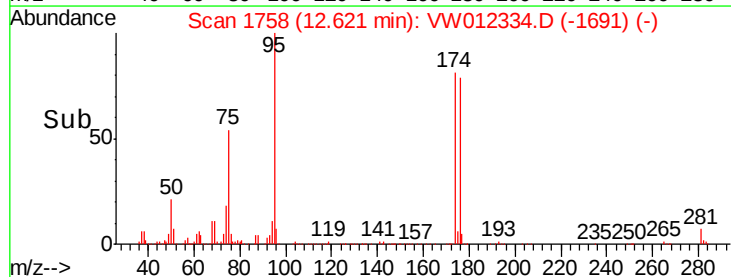
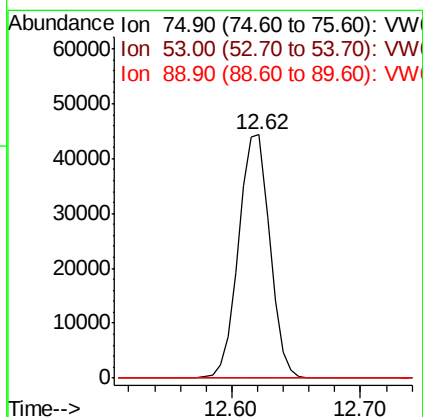
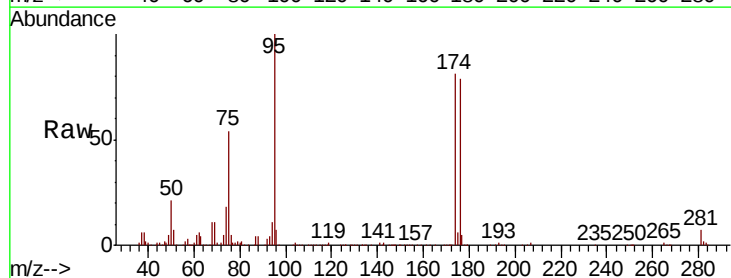
Tgt Ion: 75 Resp: 74349

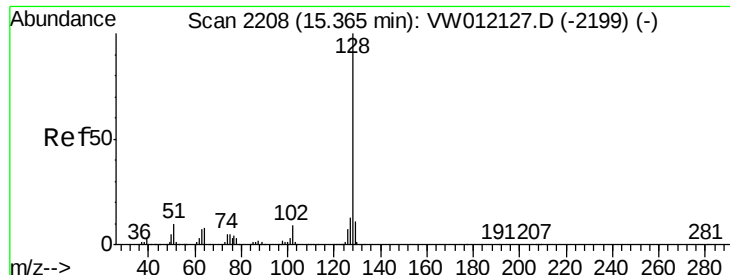
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.372 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012334.D

Acq: 30 Aug 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

SB-14-(0-2)

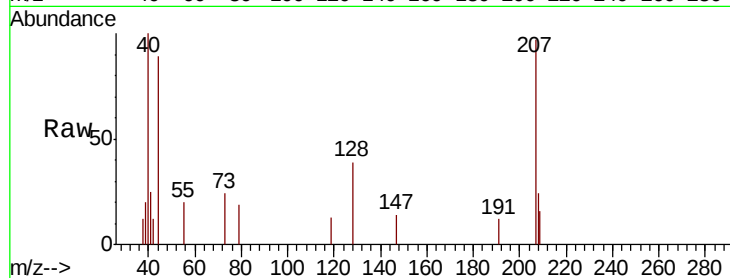
Tgt Ion:128 Resp: 240

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

