

Data File : VW012690.D
Acq On : 06 Sep 2019 14:42
Operator : SY/VA
Sample : K4699-01
Misc : 4.52G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4(3-4)

Quant Time: Sep 07 04:39:20 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	223842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141880	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	7.88	113	105359	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.32	98	398158	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.62	95	103226	34.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.28%	

Target Compounds

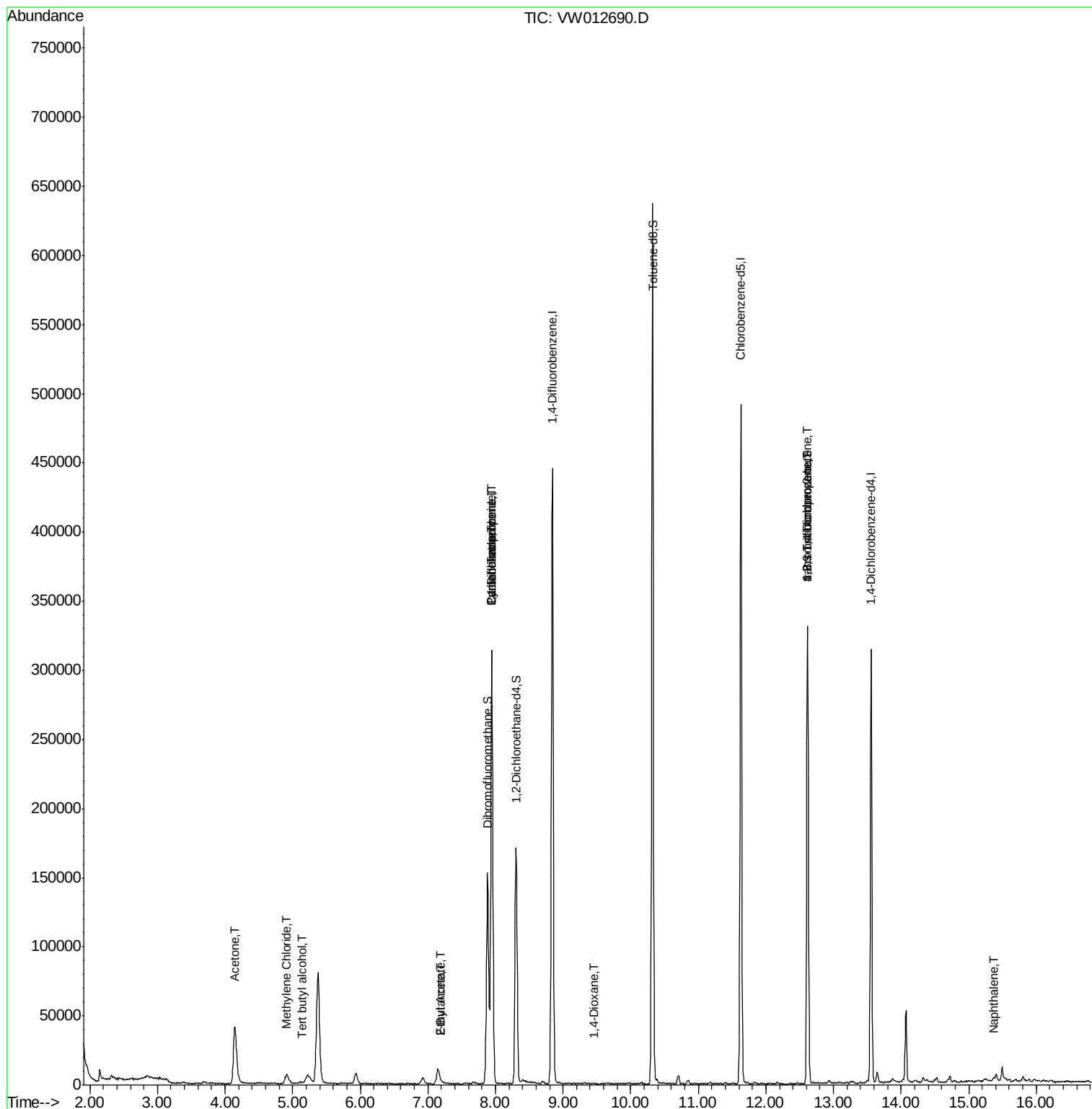
						Qvalue
11) Tert butyl alcohol	5.13	59	931	5.814	ug/l #	71
16) Acetone	4.15	43	93568	137.561	ug/l	94
20) Methylene Chloride	4.91	84	4846	1.885	ug/l	87
25) 2-Butanone	7.20	43	2838	3.070	ug/l #	81
31) Cyclohexane	7.95	56	5479	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18567	5.143	ug/l #	52
37) Ethyl Acetate	7.20	43	2838	1.435	ug/l #	73
38) Carbon Tetrachloride	7.95	117	22527	7.210	ug/l #	16
49) 1,4-Dioxane	9.45	88	19	1.051	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56245	70.266	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56245	154.060	ug/l #	6
95) Naphthalene	15.36	128	2157	4.957	ug/l #	93

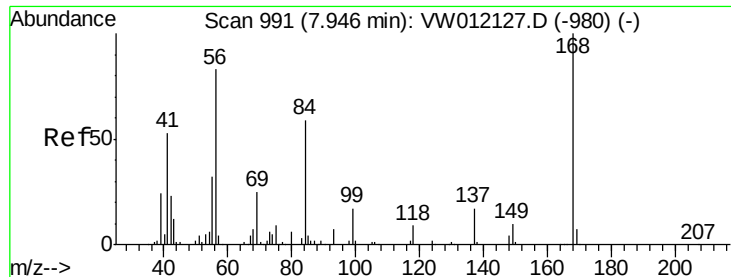
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012690.D

Acq: 06 Sep 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

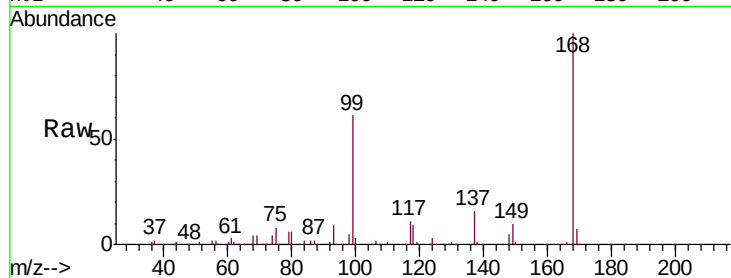
B-4(3-4)

Tgt Ion:168 Resp: 223842

Ion Ratio Lower Upper

168 100

99 61.1 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

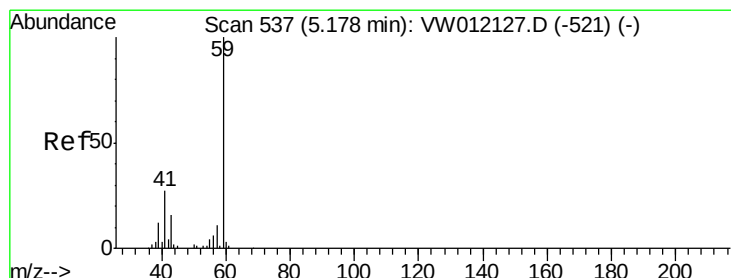
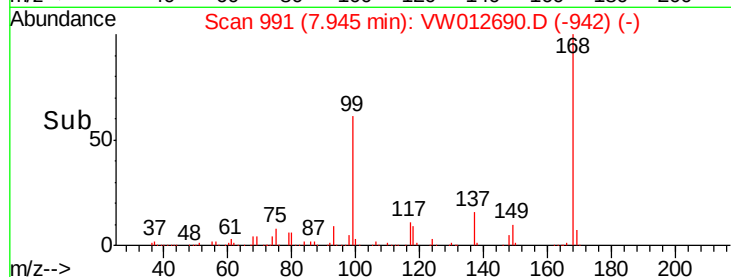
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.814 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW012690.D

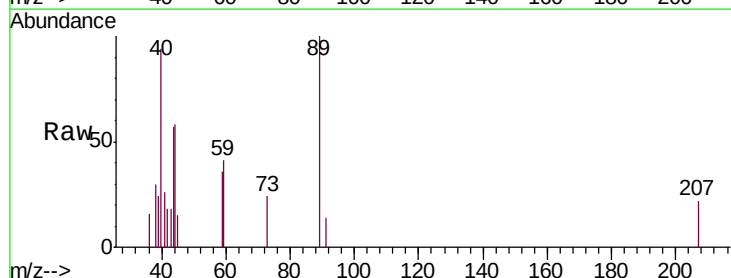
Acq: 06 Sep 2019 14:42

Tgt Ion: 59 Resp: 931

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

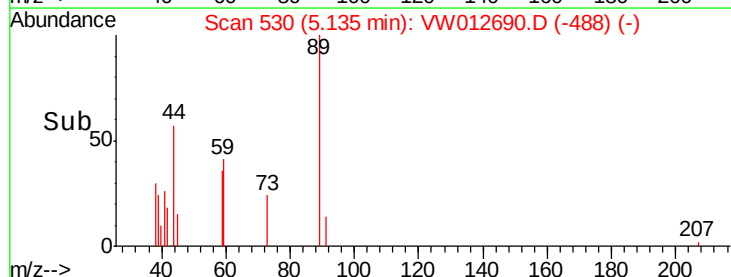
1500

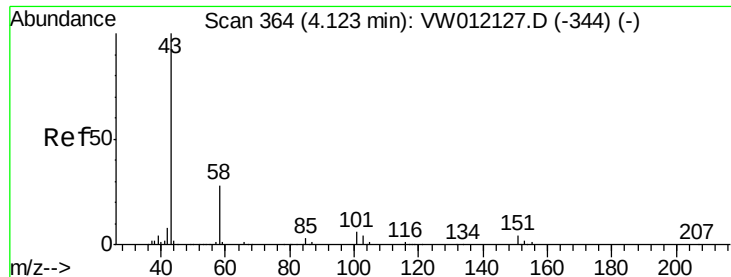
1000

500

0

Time-->

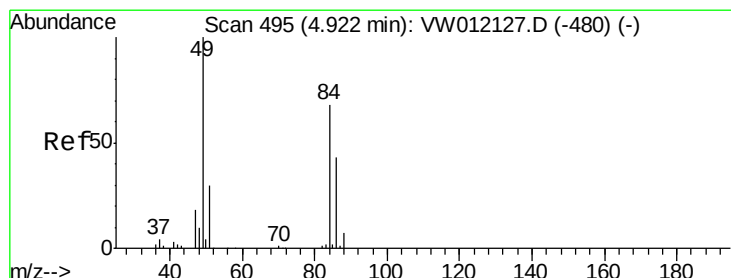
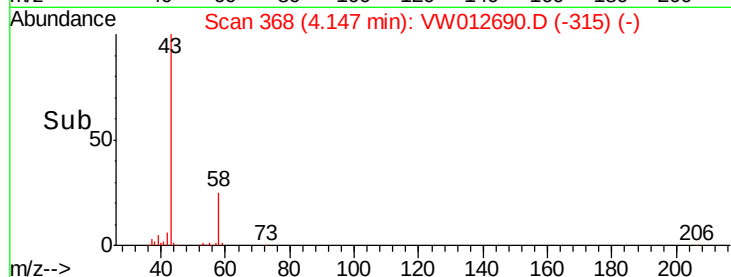
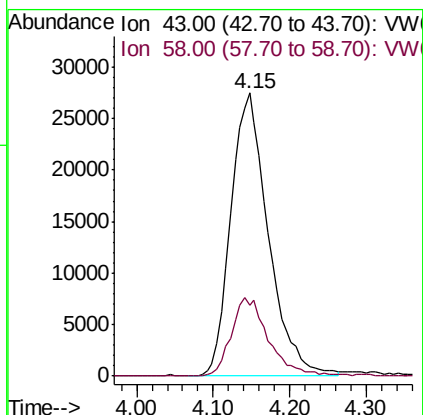
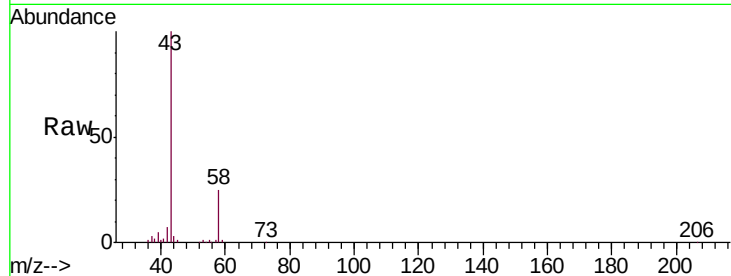




#16
Acetone
Concen: 137.561 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

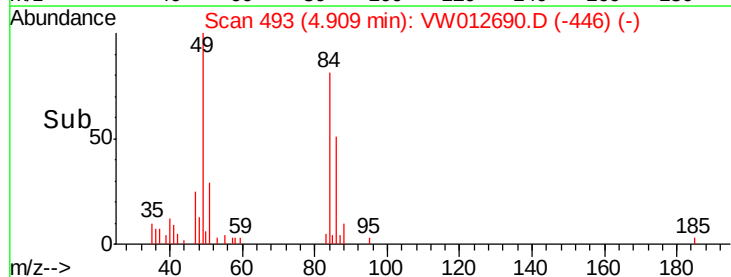
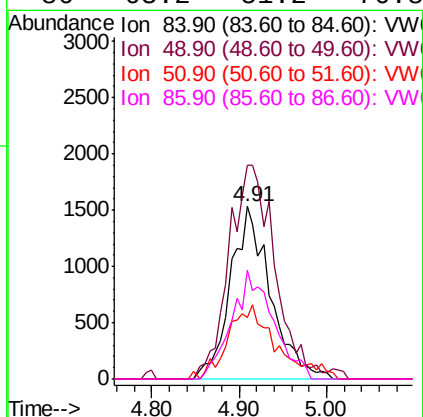
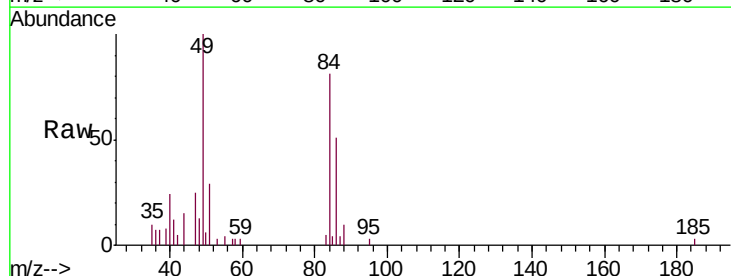
Instrument :
MSVOA_W
ClientSampleId :
B-4(3-4)

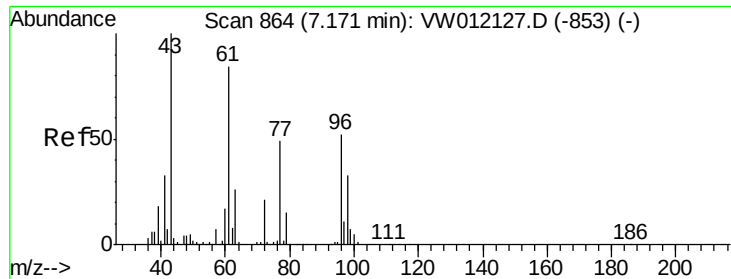
Tgt Ion: 43 Resp: 93568
Ion Ratio Lower Upper
43 100
58 25.1 22.4 33.6



#20
Methylene Chloride
Concen: 1.885 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

Tgt Ion: 84 Resp: 4846
Ion Ratio Lower Upper
84 100
49 123.6 117.8 176.8
51 35.9 35.6 53.4
86 63.2 51.2 76.8





#25

2-Butanone

Concen: 3.070 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW012690.D

Acq: 06 Sep 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

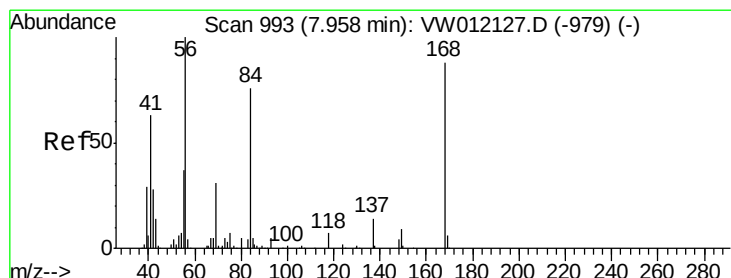
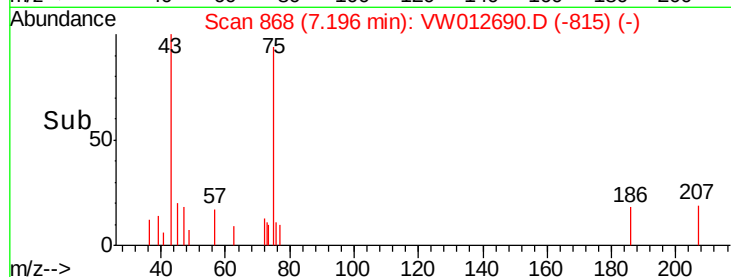
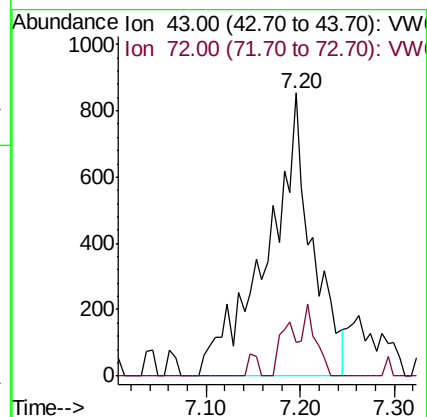
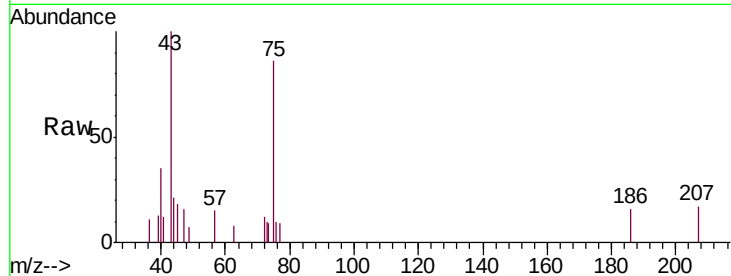
B-4(3-4)

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

72 12.0 16.6 24.8#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012690.D

Acq: 06 Sep 2019 14:42

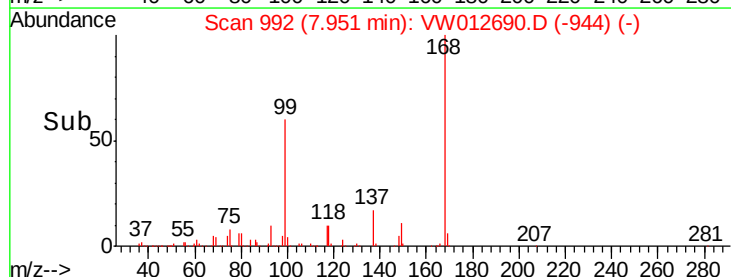
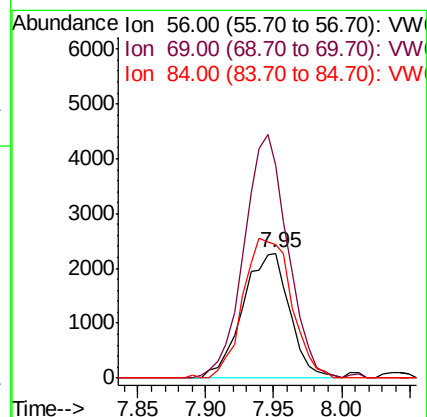
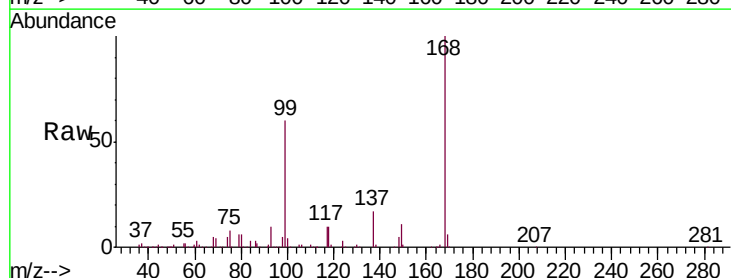
Tgt Ion: 56 Resp: 5479

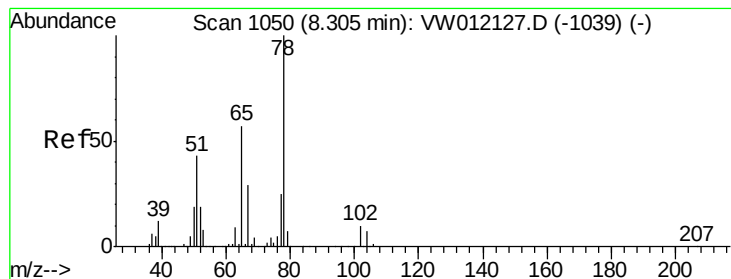
Ion Ratio Lower Upper

56 100

69 170.6 24.9 37.3#

84 107.4 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 53.320 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012690.D

Acq: 06 Sep 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

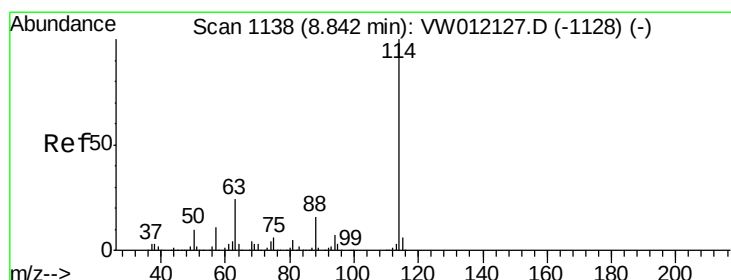
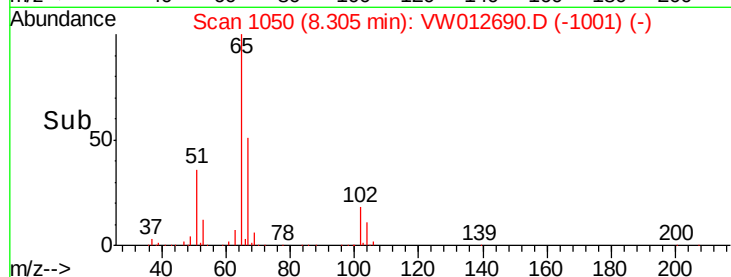
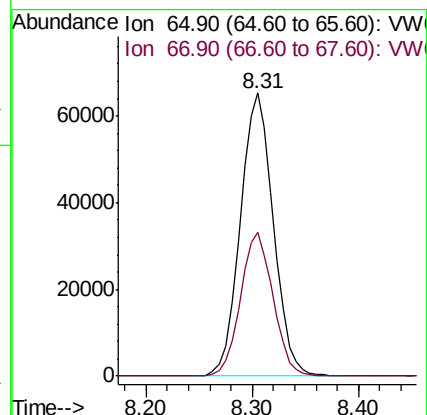
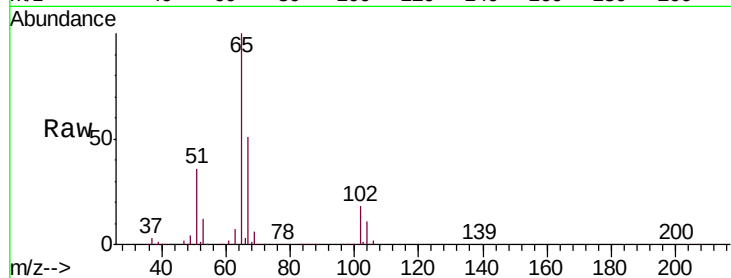
B-4(3-4)

Tgt Ion: 65 Resp: 141880

Ion Ratio Lower Upper

65 100

67 50.2 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: VW012690.D

Acq: 06 Sep 2019 14:42

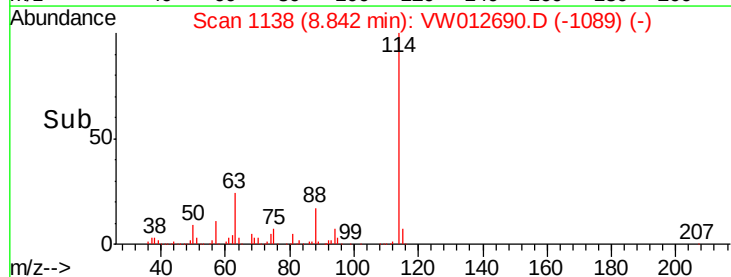
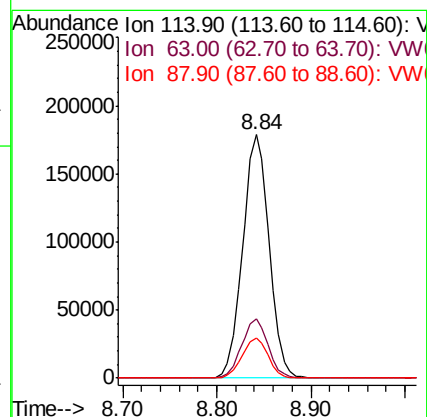
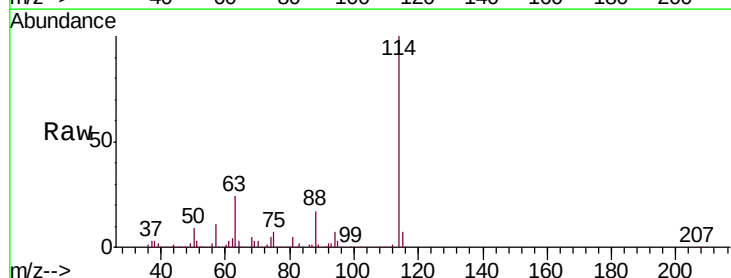
Tgt Ion: 114 Resp: 349339

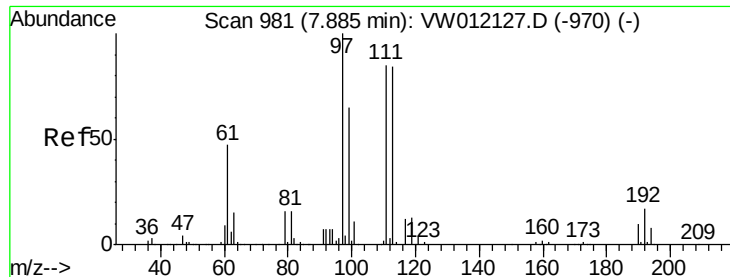
Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.527 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012690.D

Acq: 06 Sep 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-4(3-4)

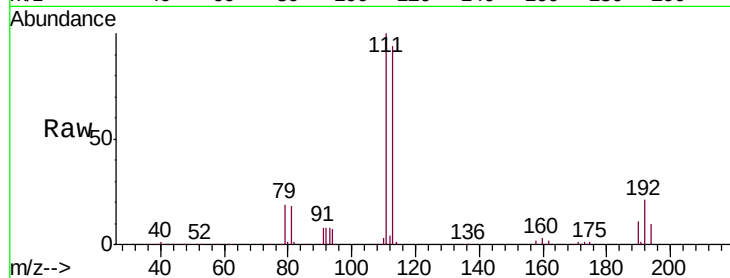
Tgt Ion:113 Resp: 105359

Ion Ratio Lower Upper

113 100

111 105.0 82.7 124.1

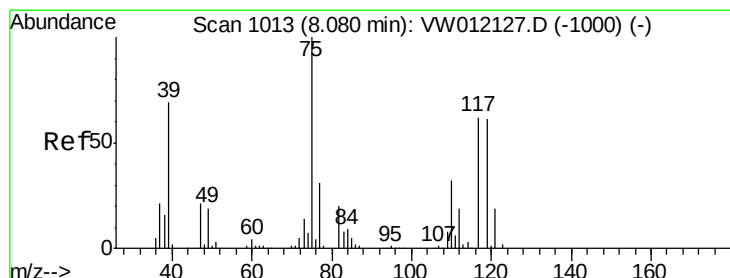
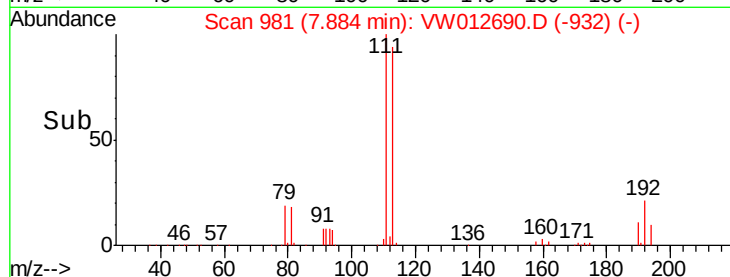
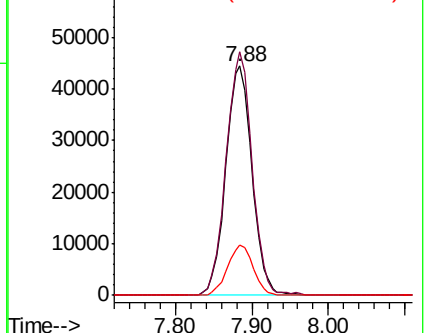
192 21.5 16.2 24.2



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: 5.143 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012690.D

Acq: 06 Sep 2019 14:42

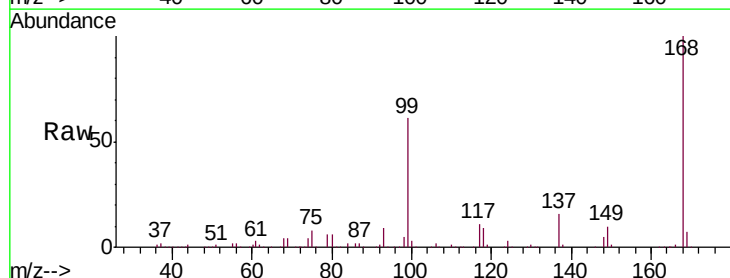
Tgt Ion: 75 Resp: 18567

Ion Ratio Lower Upper

75 100

110 8.6 15.6 46.8#

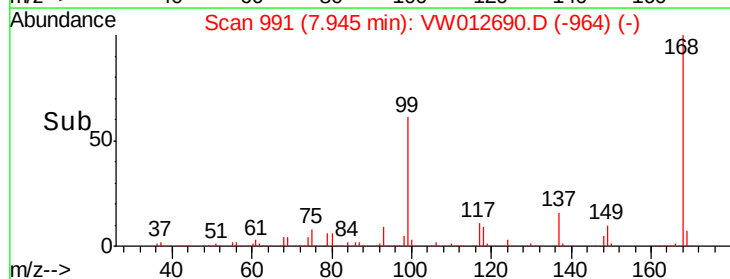
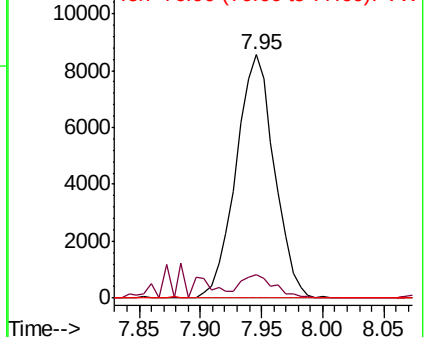
77 0.0 24.6 36.8#

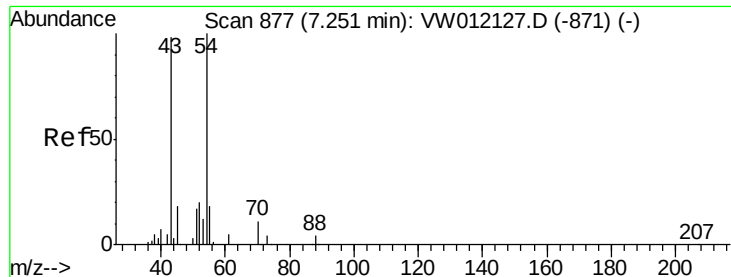


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

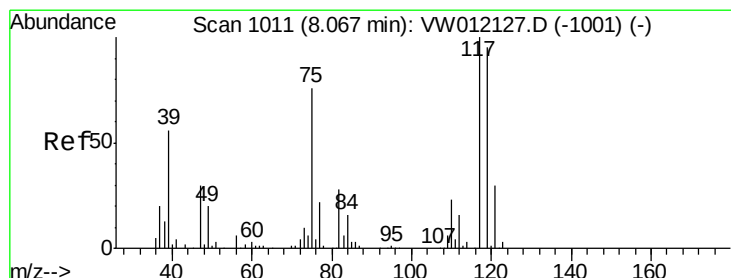
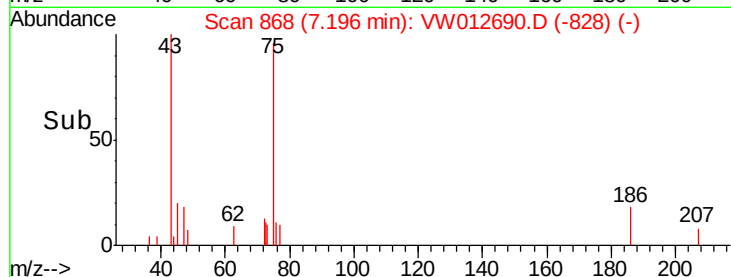
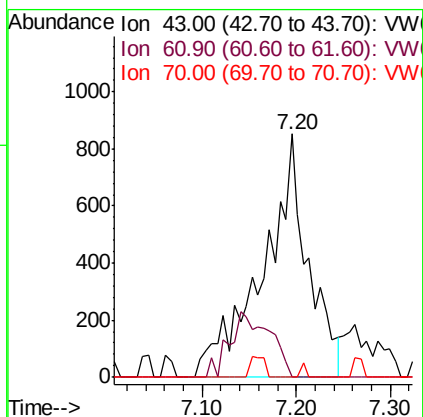
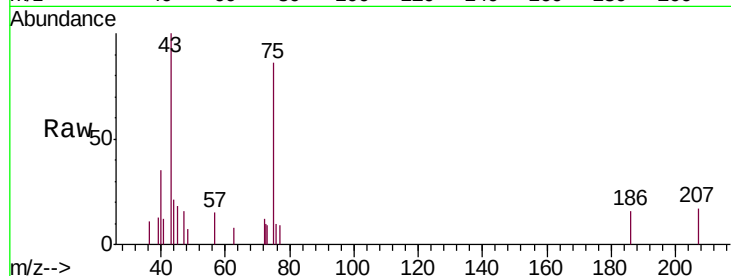




#37
Ethyl Acetate
Concen: 1.435 ug/l
RT: 7.20 min Scan# 868
Delta R.T. -0.06 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

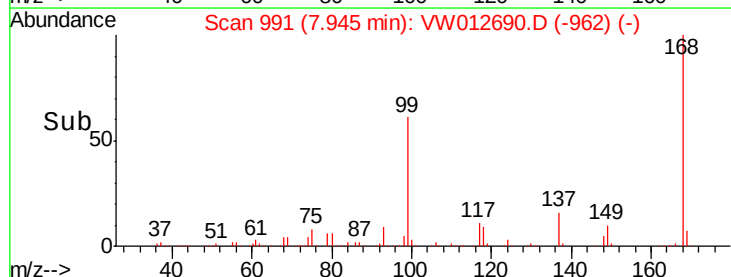
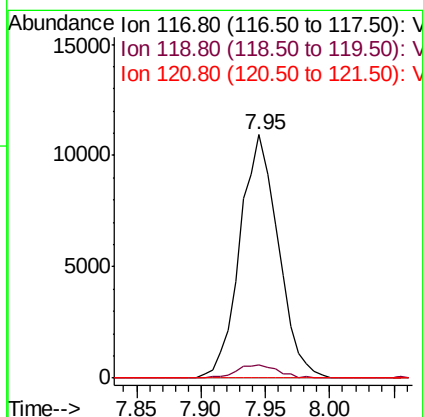
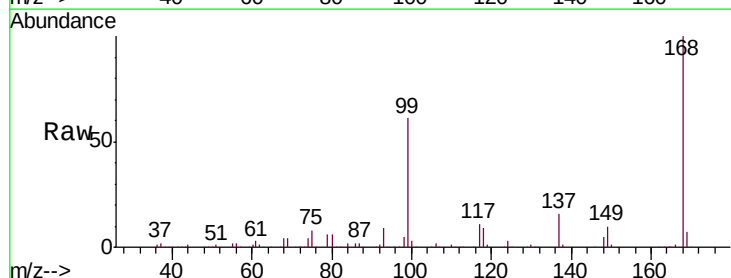
Instrument :
MSVOA_W
ClientSampled :
B-4(3-4)

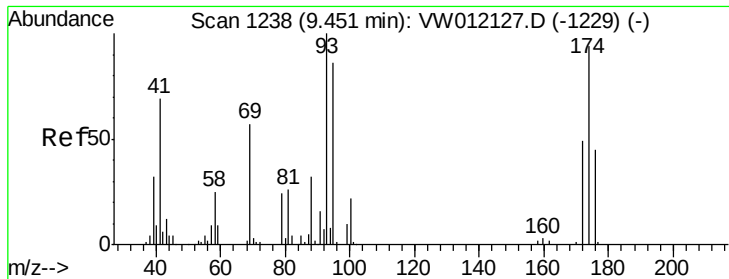
Tgt Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
61 0.0 9.2 13.8#
70 0.7 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 7.210 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

Tgt Ion: 117 Resp: 22527
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.8 35.8#

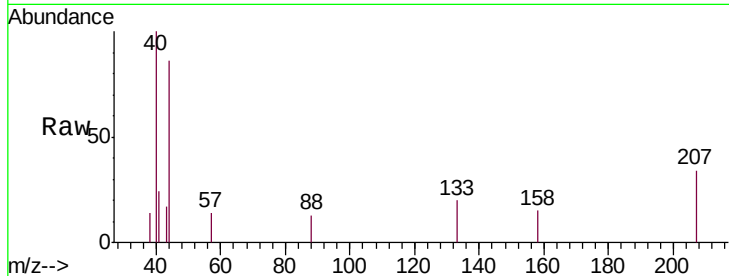




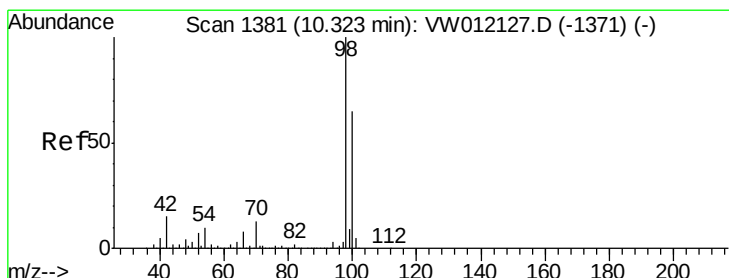
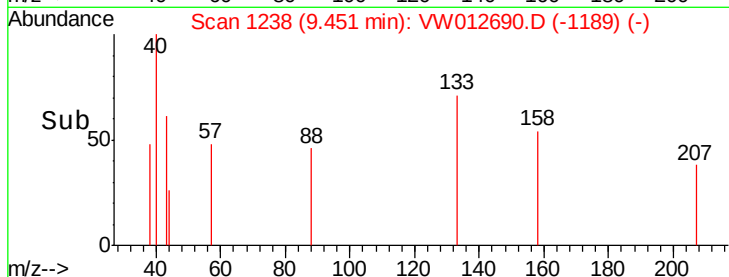
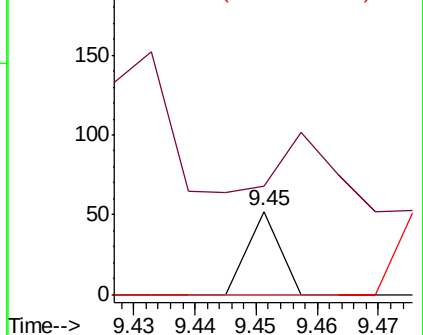
#49
1,4-Dioxane
Concen: 1.051 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

Instrument :
MSVOA_W
ClientSampled :
B-4(3-4)

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 784.2 32.9 49.3#
58 0.0 71.0 106.4#

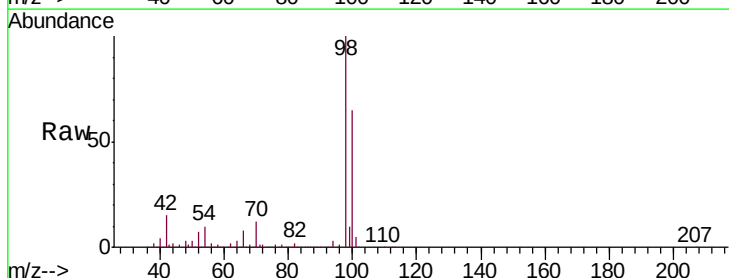


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

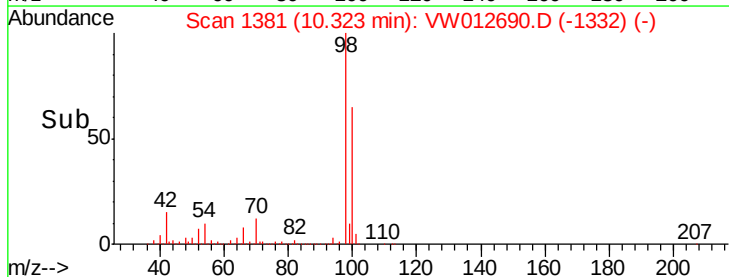
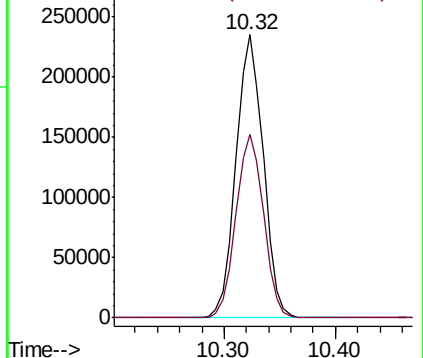


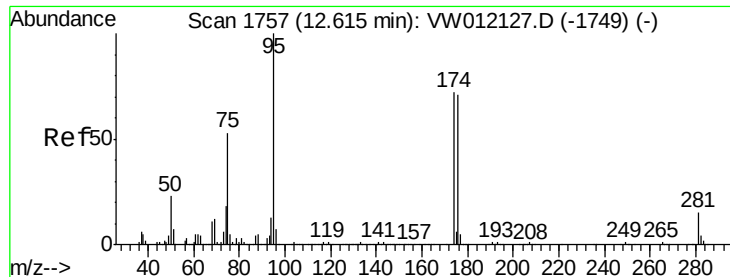
#50
Toluene-d8
Concen: 47.092 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

Tgt Ion: 98 Resp: 398158
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

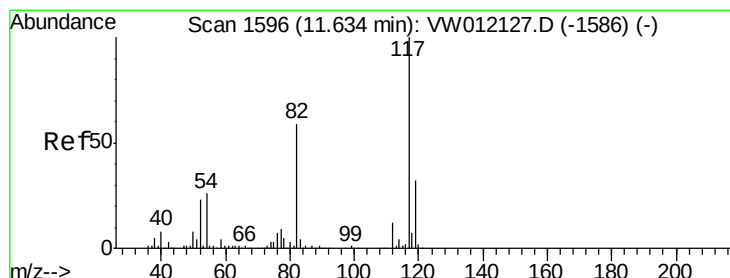
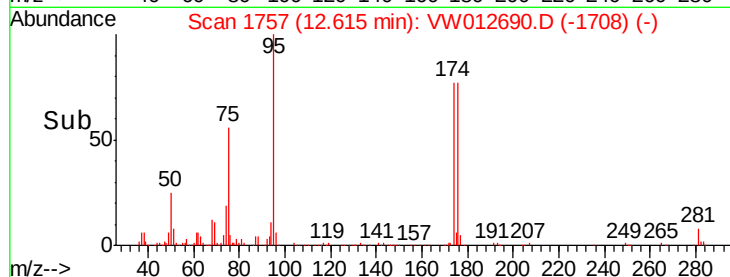
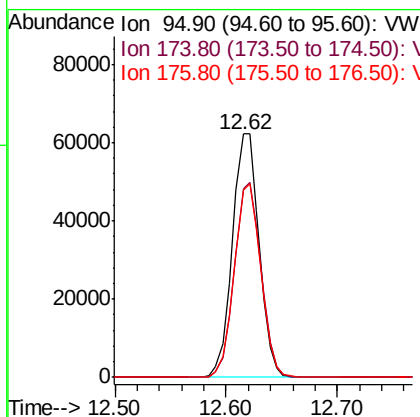
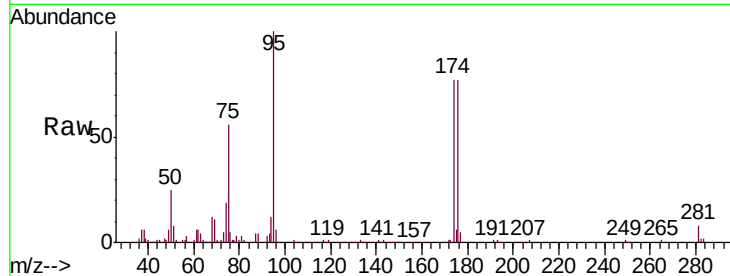




#62
4-Bromofluorobenzene
Concen: 34.635 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

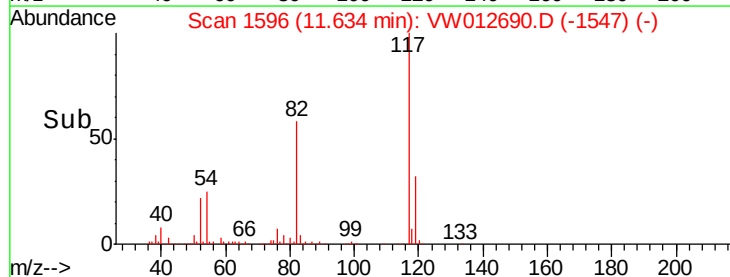
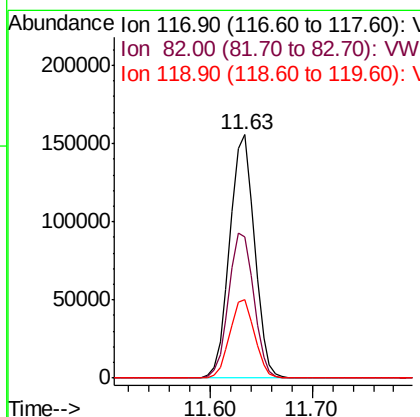
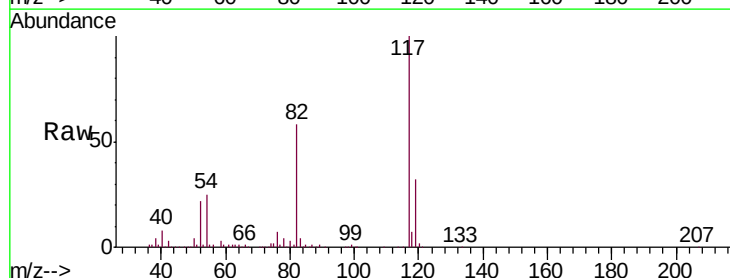
Instrument :
MSVOA_W
ClientSampleId :
B-4(3-4)

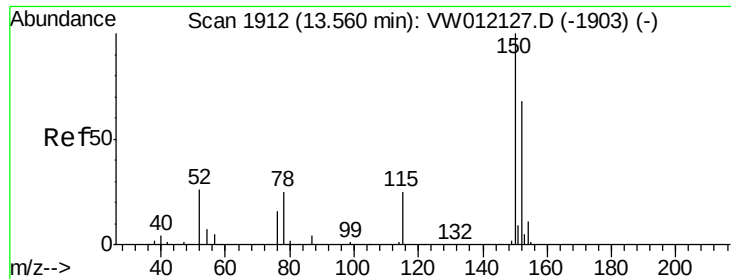
Tgt Ion: 95 Resp: 103226
Ion Ratio Lower Upper
95 100
174 79.7 0.0 150.8
176 79.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012690.D
Acq: 06 Sep 2019 14:42

Tgt Ion: 117 Resp: 260988
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.4 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: VW012690.D

Acq: 06 Sep 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

B-4(3-4)

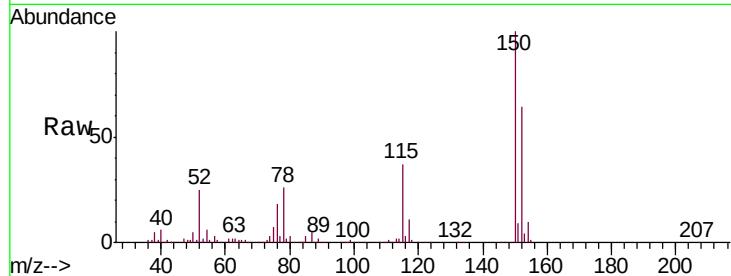
Tgt Ion:152 Resp: 82189

Ion Ratio Lower Upper

152 100

115 58.3 30.1 90.3

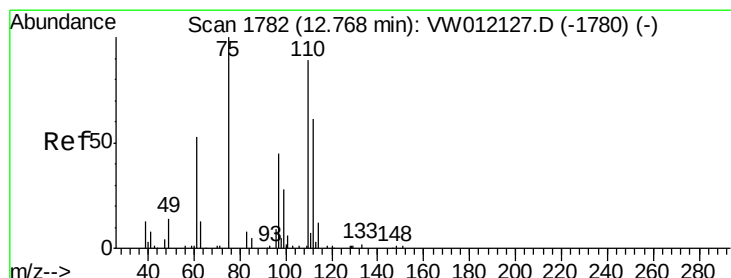
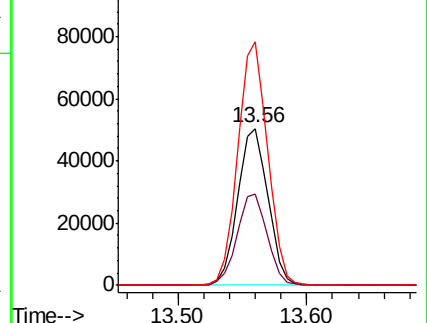
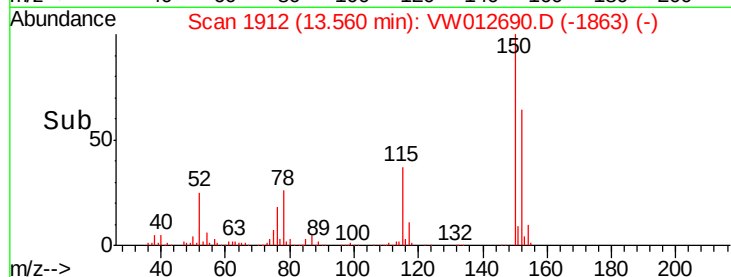
150 153.1 0.0 345.8



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: 70.266 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012690.D

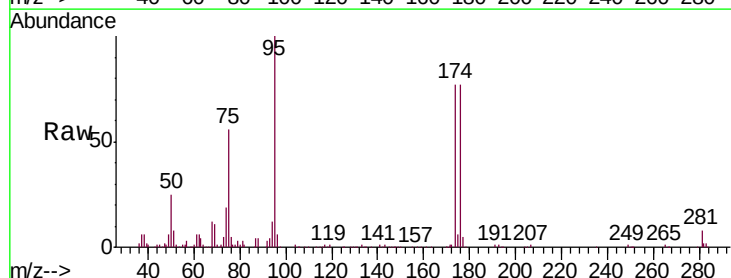
Acq: 06 Sep 2019 14:42

Tgt Ion: 75 Resp: 56245

Ion Ratio Lower Upper

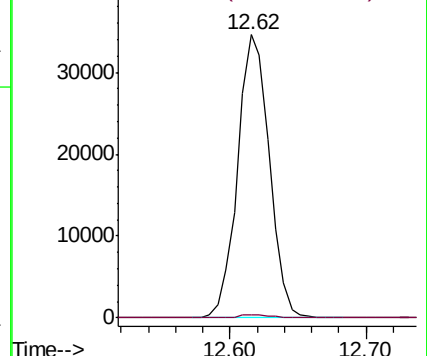
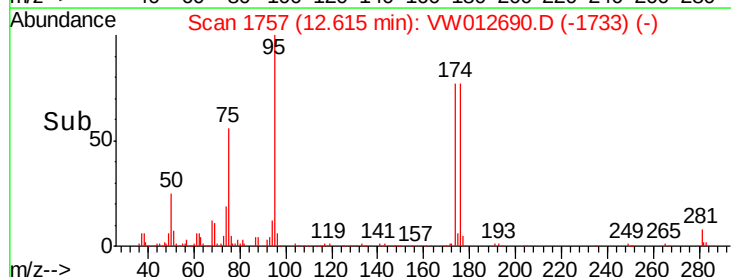
75 100

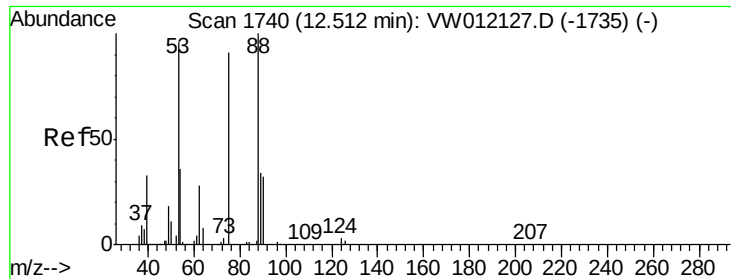
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

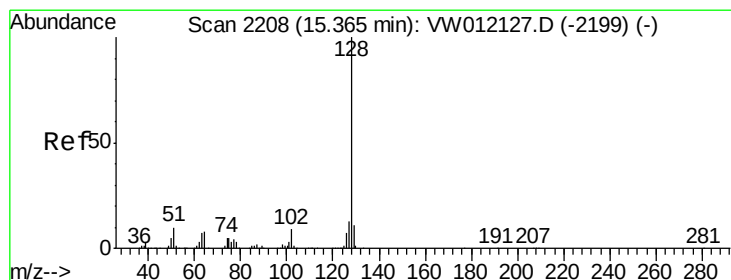
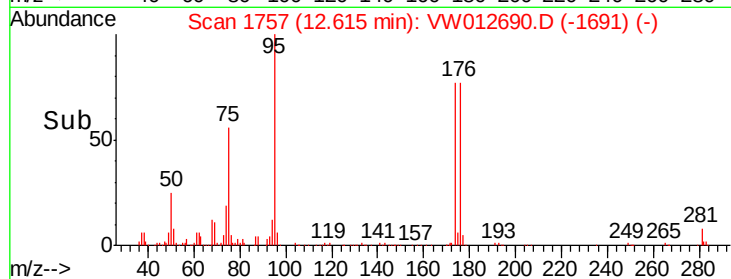
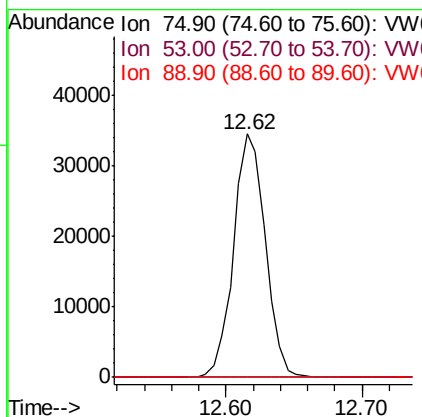
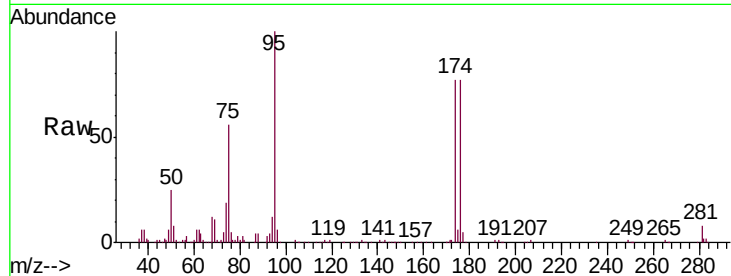




#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.060 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012690.D
 Acq: 06 Sep 2019 14:42

Instrument :
 MSVOA_W
 ClientSampleId :
 B-4(3-4)

Tgt Ion: 75 Resp: 56245
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.957 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW012690.D
 Acq: 06 Sep 2019 14:42

Tgt Ion: 128 Resp: 2157
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.7 16.1
 129 15.3 8.7 13.1#

