

Data File : VW012371.D
Acq On : 31 Aug 2019 01:38
Operator : SY/VA
Sample : K4439-06
Misc : 4.35G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-3-(1-3)

Quant Time: Aug 31 03:11:18 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	209454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	66726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143938	57.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.62%	
35) Dibromofluoromethane	7.88	113	108153	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.32	98	409969	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	96961	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	

Target Compounds

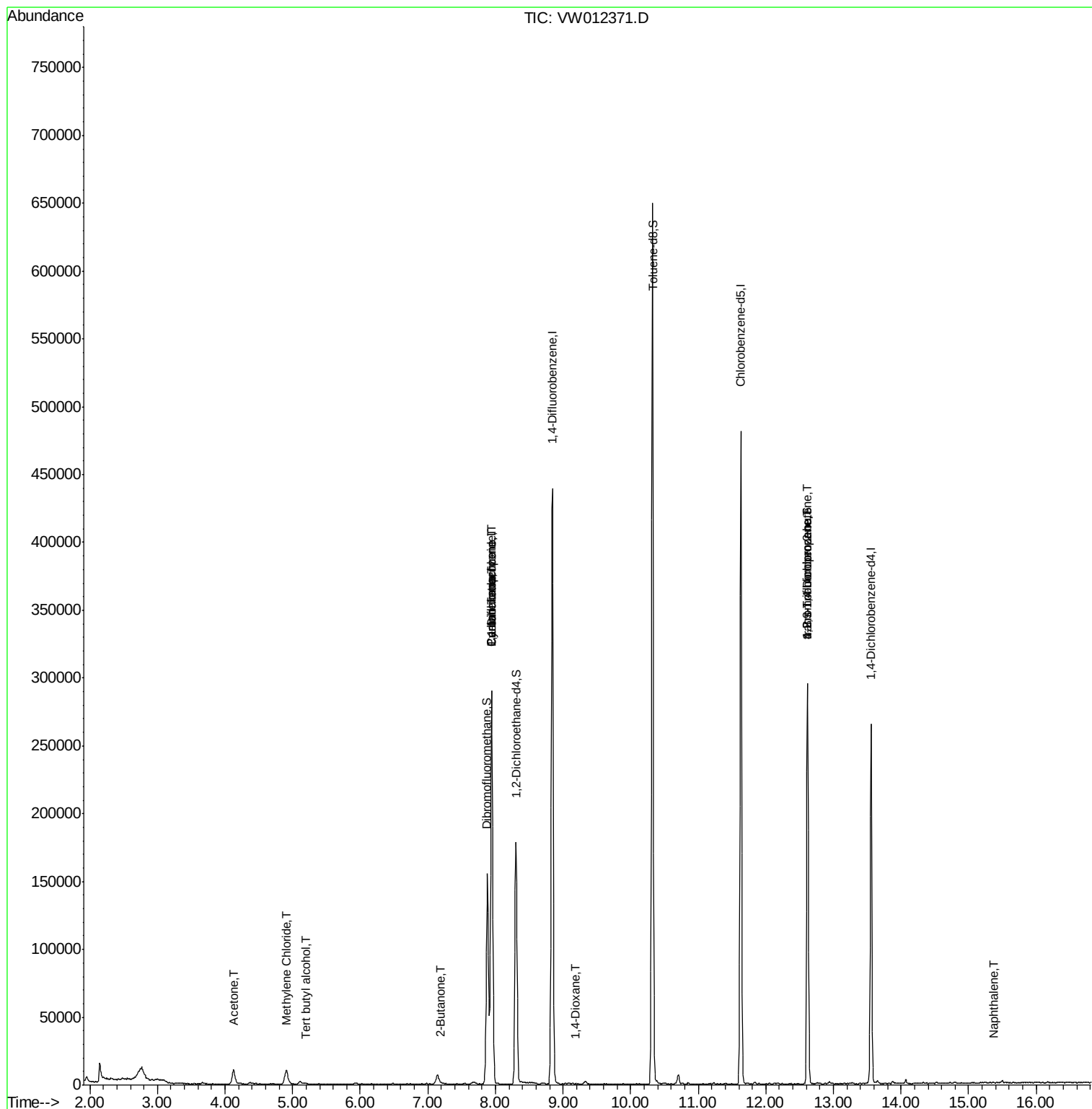
						Qvalue
11) Tert butyl alcohol	5.19	59	183	1.221	ug/l #	71
16) Acetone	4.12	43	20565	32.311	ug/l	92
20) Methylene Chloride	4.91	84	7188	2.987	ug/l #	90
25) 2-Butanone	7.19	43	1732	2.003	ug/l #	73
31) Cyclohexane	7.94	56	5854	1.305	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	18213	5.143	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21866	7.134	ug/l #	17
49) 1,4-Dioxane	9.19	88	19	1.072	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	52459	80.723	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52459	176.988	ug/l #	6
95) Naphthalene	15.36	128	369	4.455	ug/l #	69

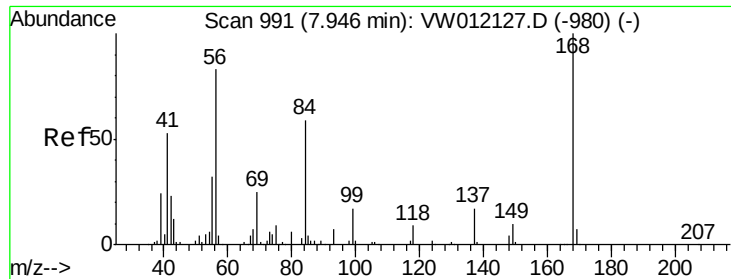
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

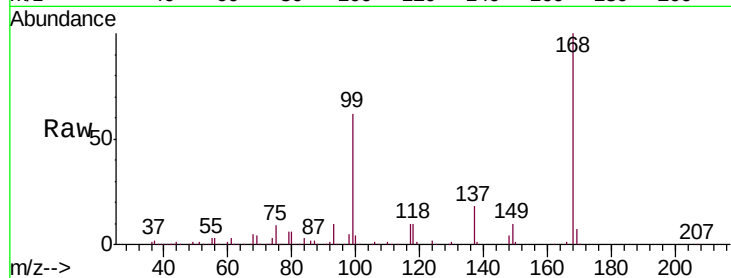
S-3-(1-3)

Tgt Ion:168 Resp: 209454

Ion Ratio Lower Upper

168 100

99 62.0 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

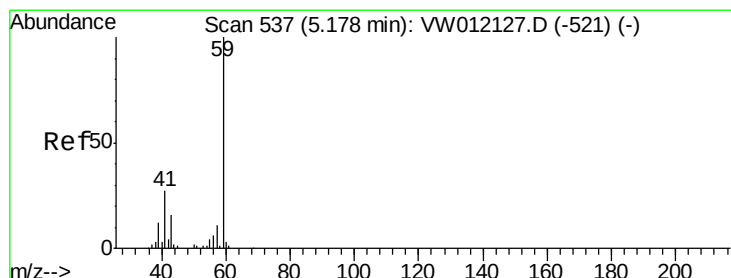
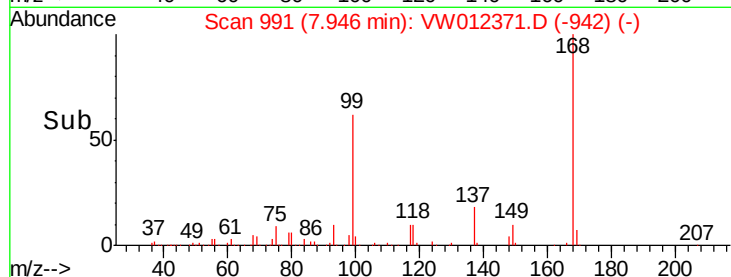
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.221 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012371.D

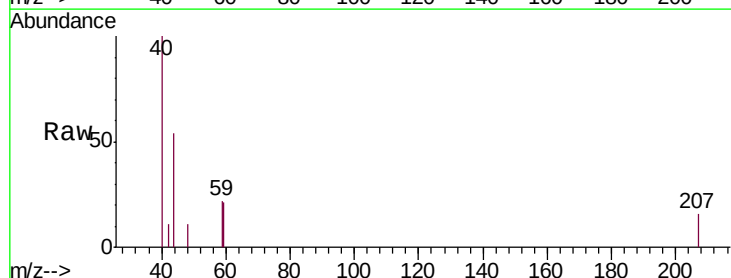
Acq: 31 Aug 2019 01:38

Tgt Ion: 59 Resp: 183

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

5.19

200

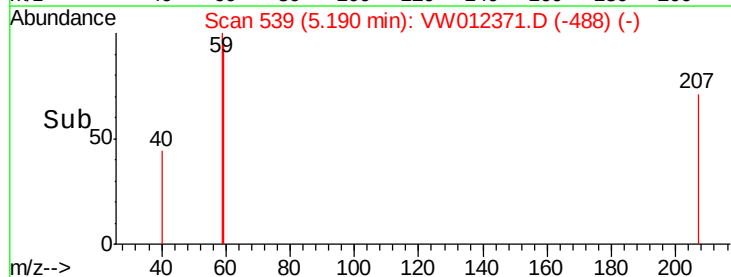
150

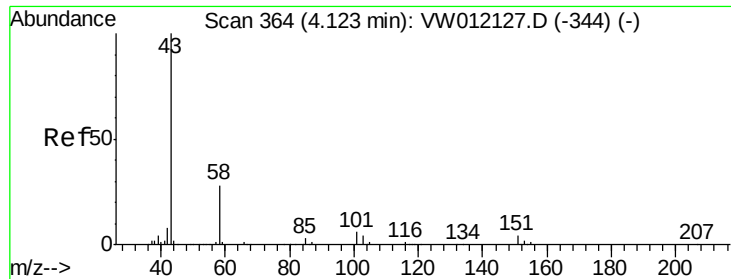
100

50

0

Time--> 5.17 5.18 5.19 5.20 5.21





#16

Acetone

Concen: 32.311 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

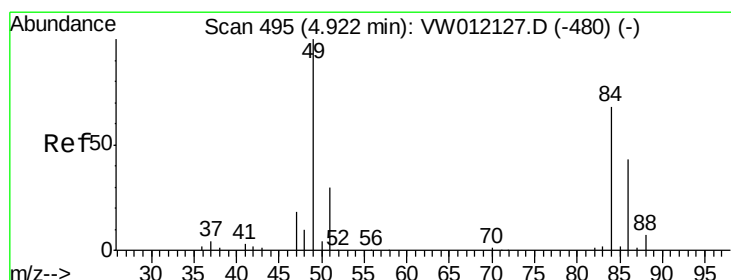
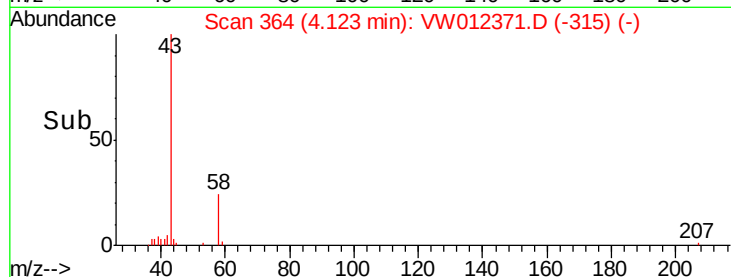
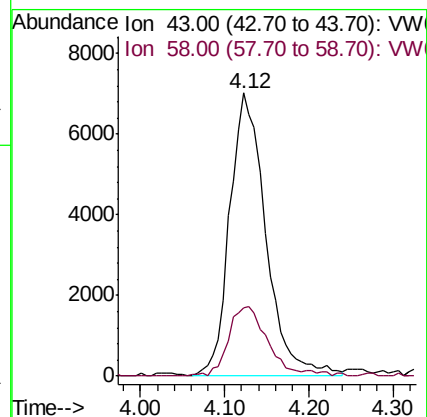
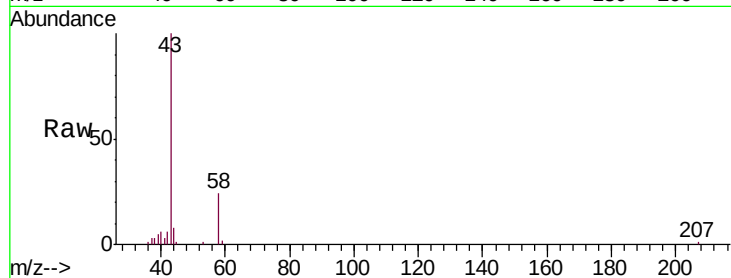
S-3-(1-3)

Tgt Ion: 43 Resp: 20565

Ion Ratio Lower Upper

43 100

58 23.6 22.4 33.6



#20

Methylene Chloride

Concen: 2.987 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Tgt Ion: 84 Resp: 7188

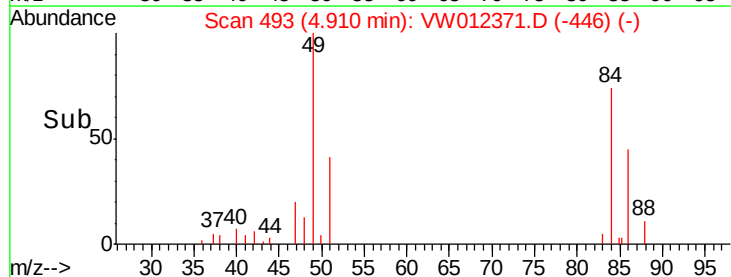
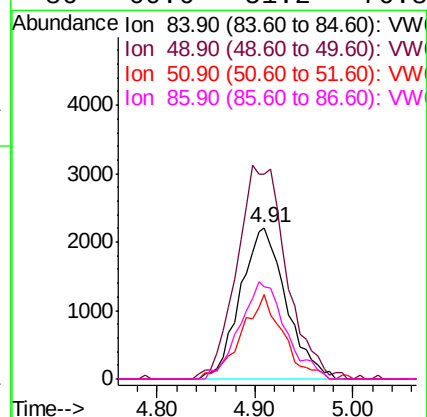
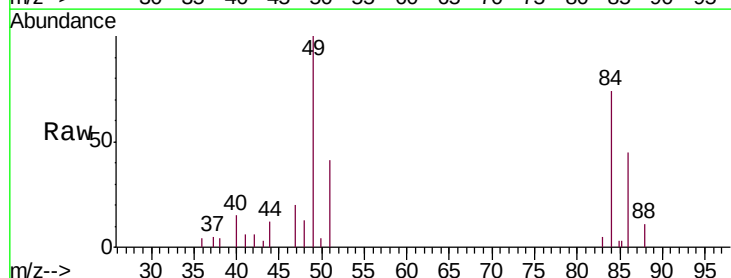
Ion Ratio Lower Upper

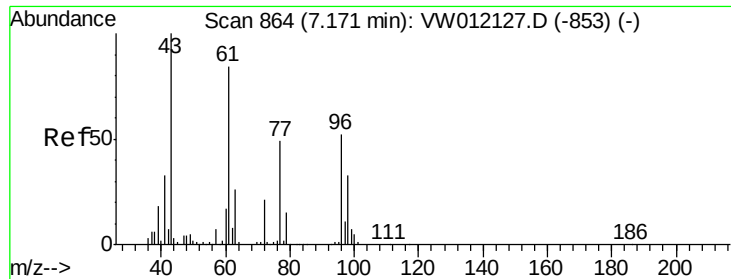
84 100

49 135.2 117.8 176.8

51 55.9 35.6 53.4#

86 60.6 51.2 76.8

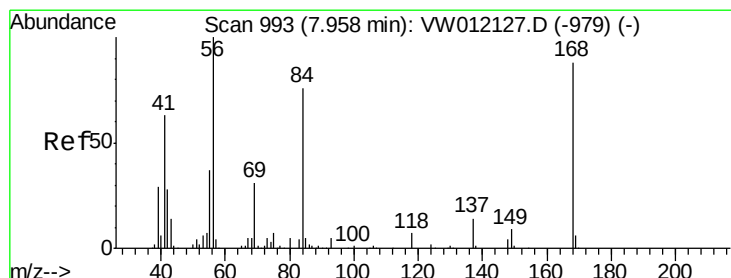
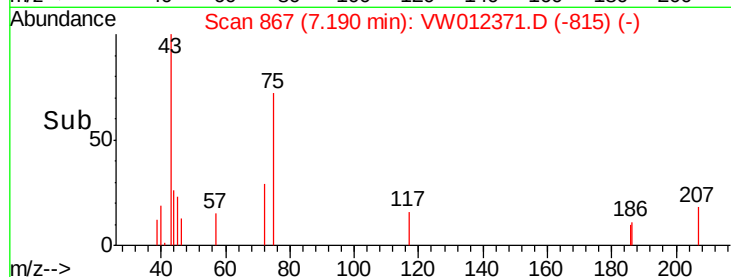
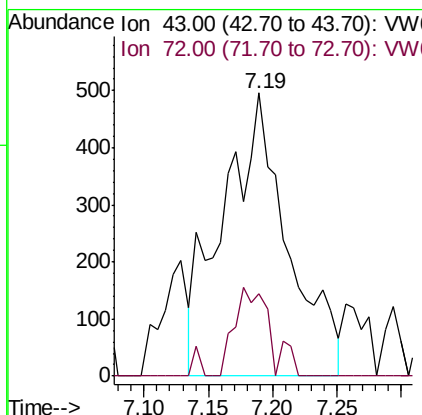
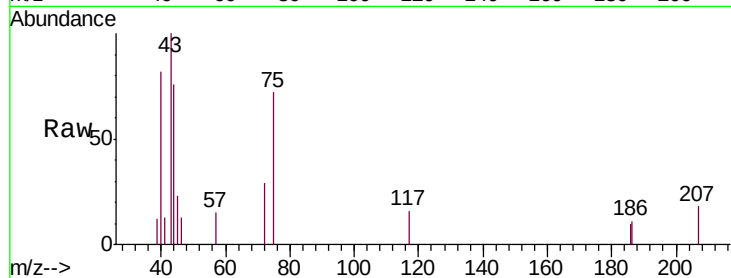




#25
2-Butanone
Concen: 2.003 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012371.D
Acq: 31 Aug 2019 01:38

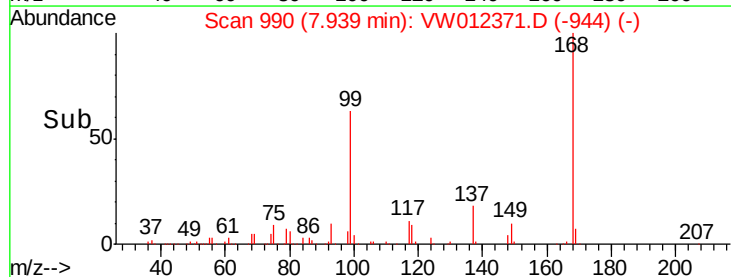
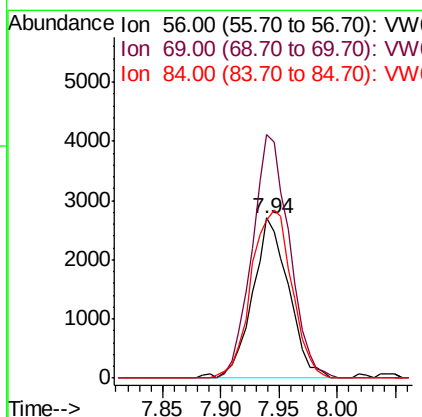
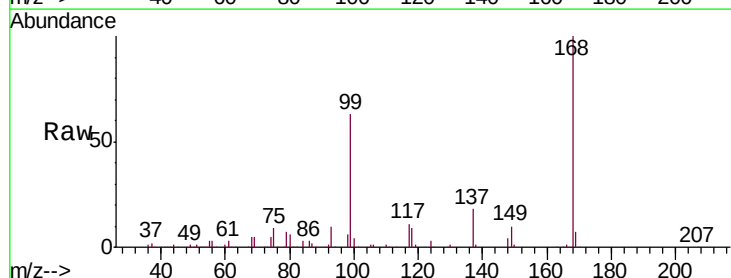
Instrument :
MSVOA_W
ClientSampled :
S-3-(1-3)

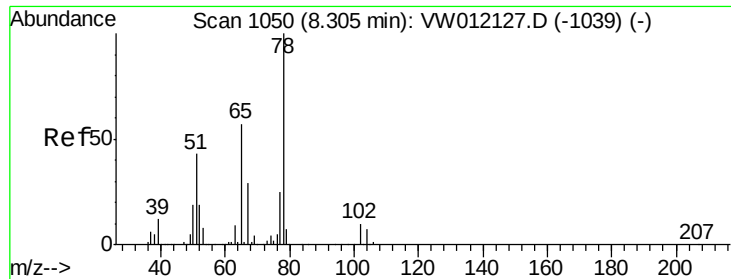
Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
72 33.5 16.6 24.8#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012371.D
Acq: 31 Aug 2019 01:38

Tgt Ion: 56 Resp: 5854
Ion Ratio Lower Upper
56 100
69 151.8 24.9 37.3#
84 98.2 60.6 90.8#

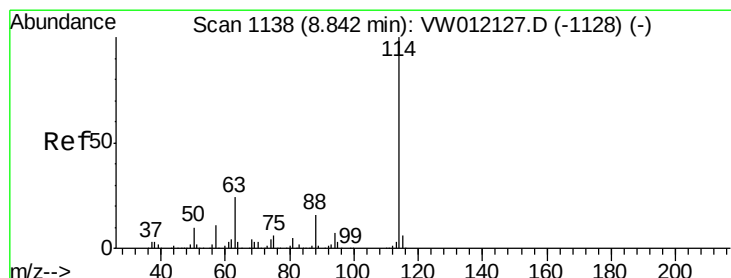
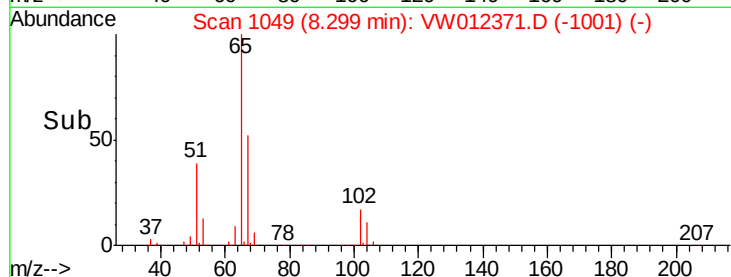
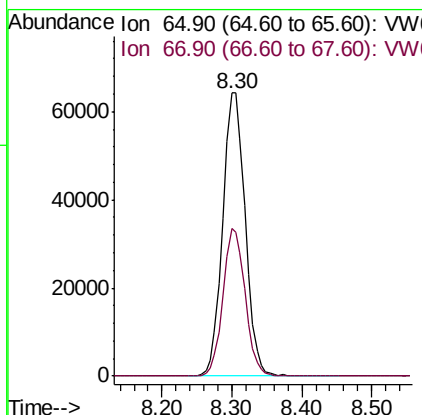
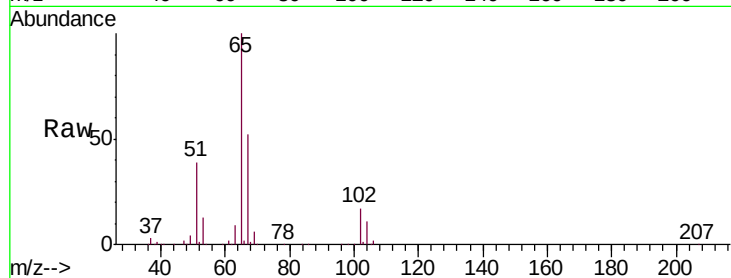




#33
 1,2-Dichloroethane-d4
 Concen: 57.809 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012371.D
 Acq: 31 Aug 2019 01:38

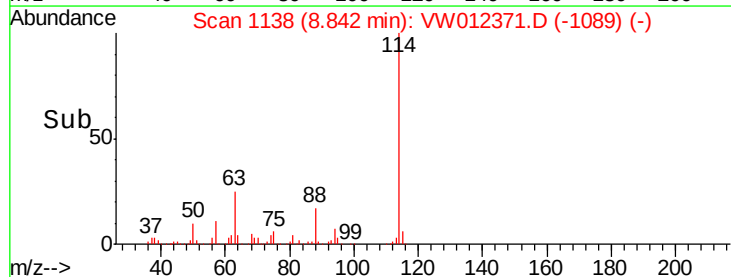
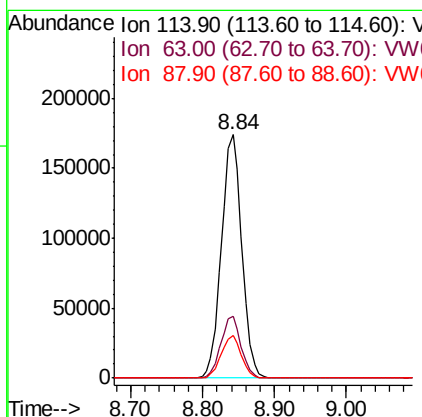
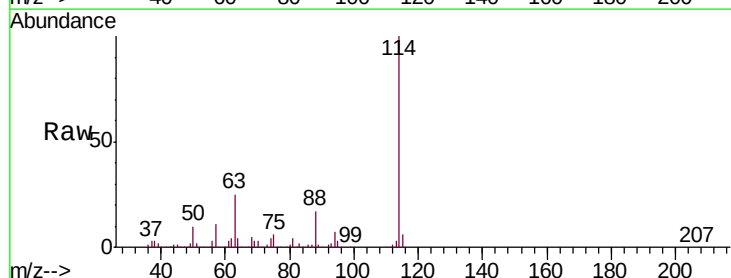
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3-(1-3)

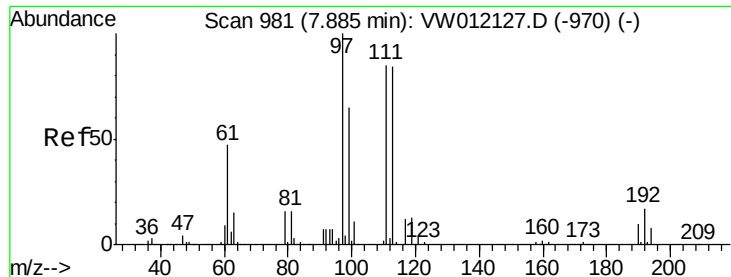
Tgt Ion: 65 Resp: 143938
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012371.D
 Acq: 31 Aug 2019 01:38

Tgt Ion: 114 Resp: 342678
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 17.4 0.0 32.2

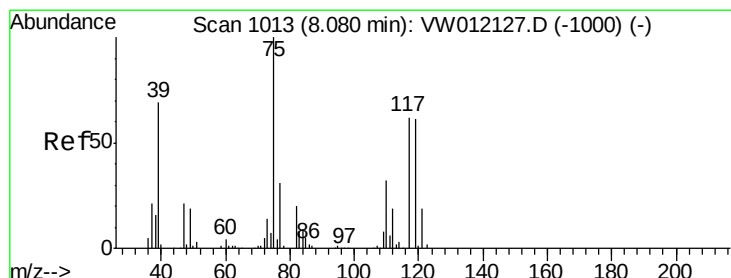
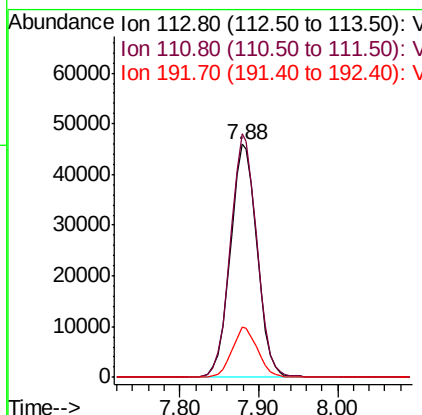
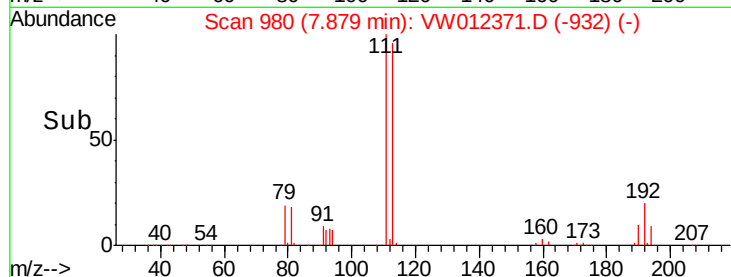
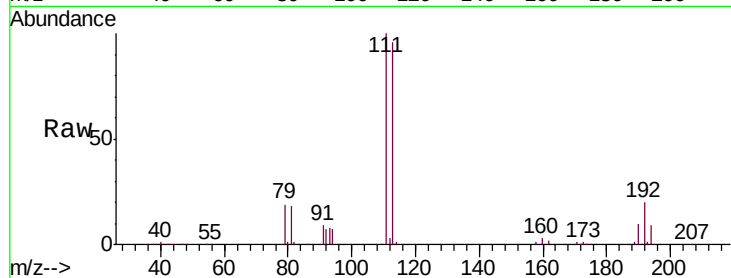




#35
 Dibromofluoromethane
 Concen: 52.875 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012371.D
 Acq: 31 Aug 2019 01:38

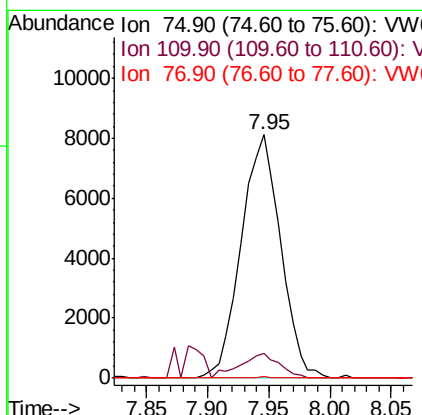
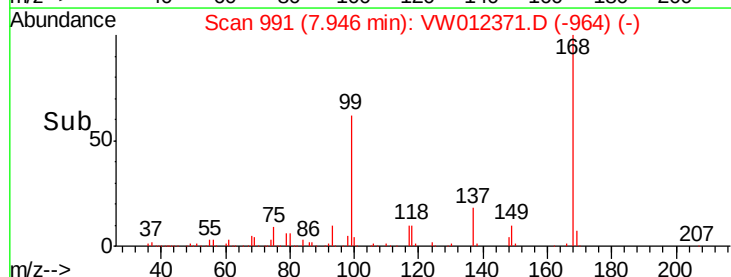
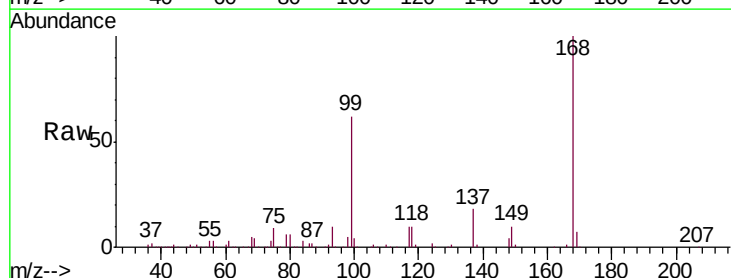
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3-(1-3)

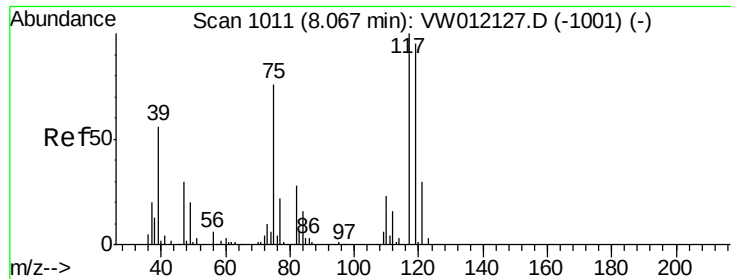
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.5	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012371.D
 Acq: 31 Aug 2019 01:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.134 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

S-3-(1-3)

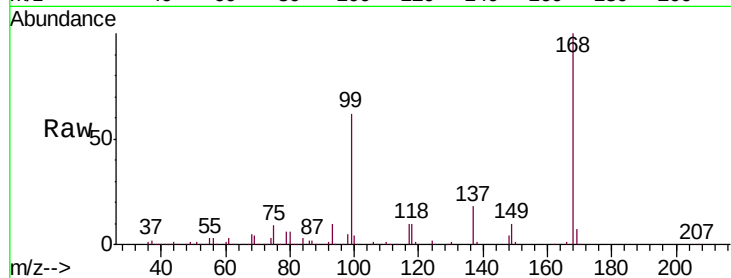
Tgt Ion: 117 Resp: 21866

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

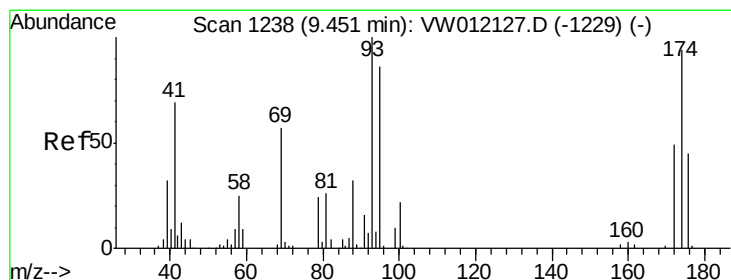
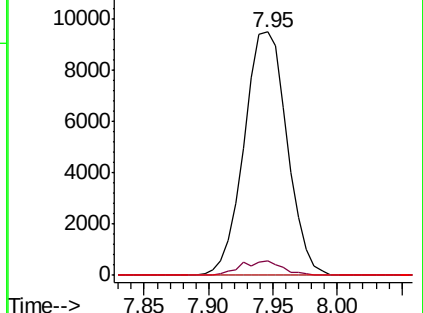
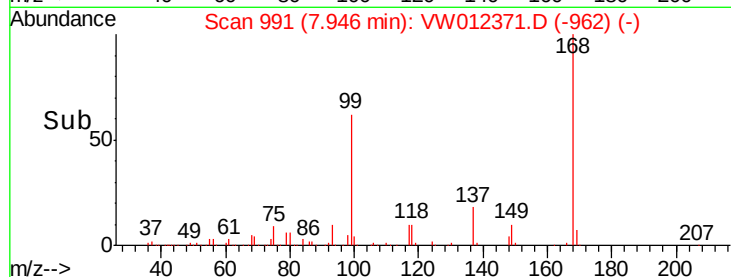
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.072 ug/l

RT: 9.19 min Scan# 1195

Delta R.T. -0.26 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

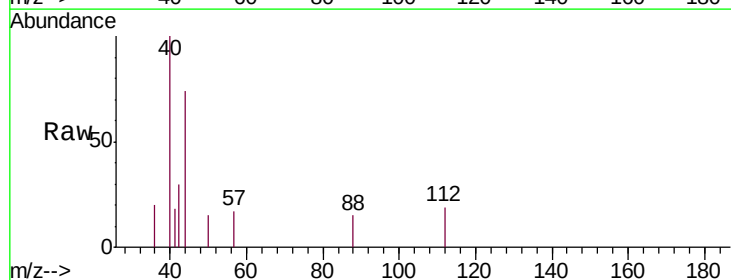
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 231.6 32.9 49.3#

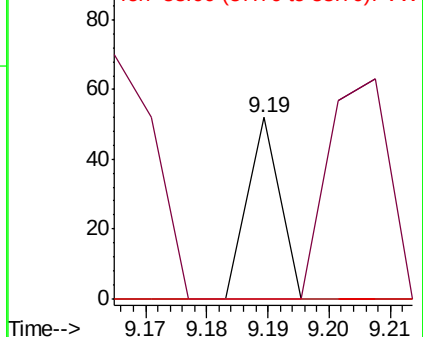
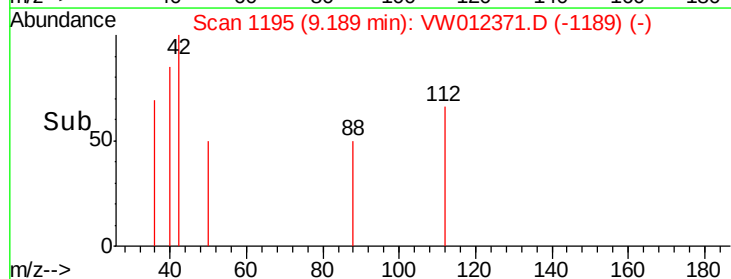
58 0.0 71.0 106.4#

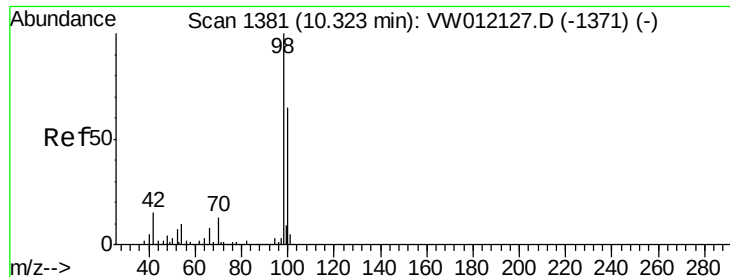


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.431 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

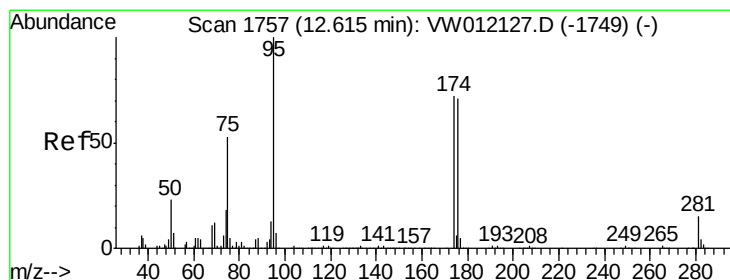
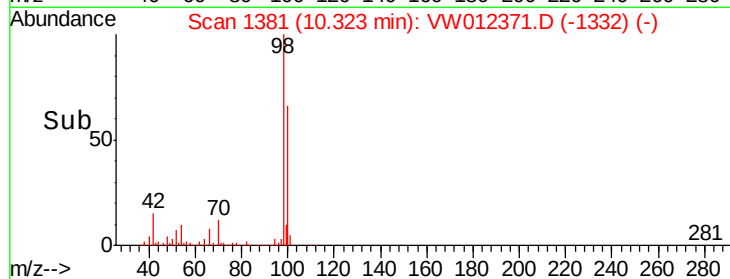
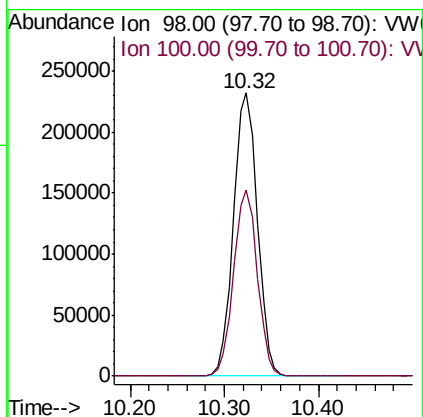
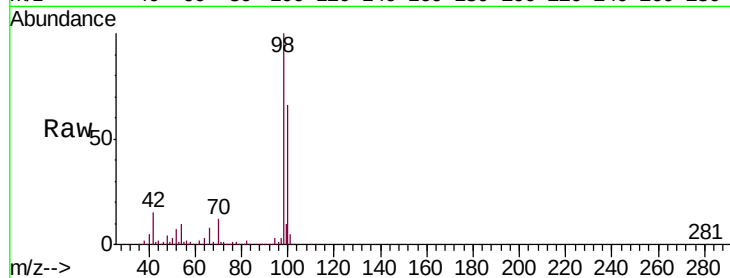
S-3-(1-3)

Tgt Ion: 98 Resp: 409969

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 33.166 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

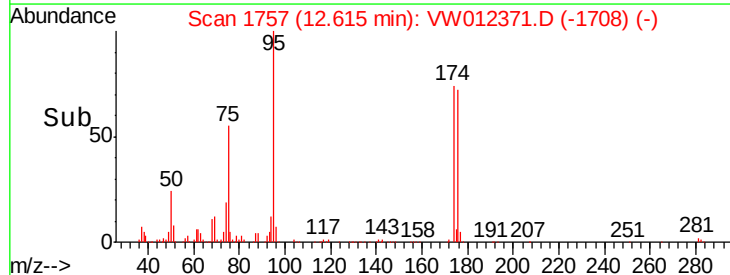
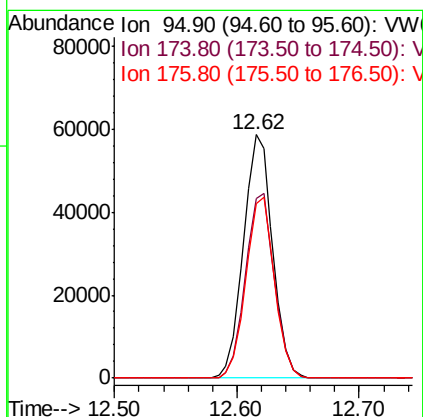
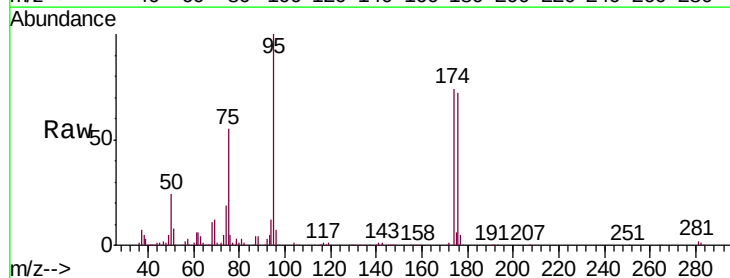
Tgt Ion: 95 Resp: 96961

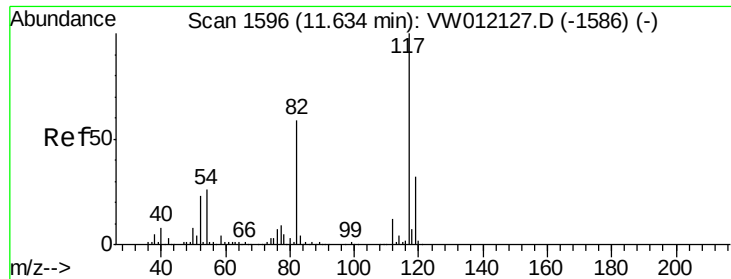
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.8

176 73.4 0.0 148.6

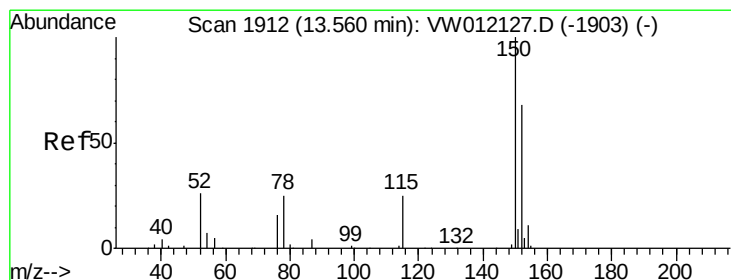
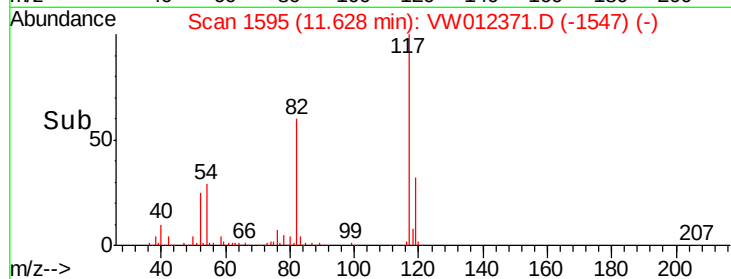
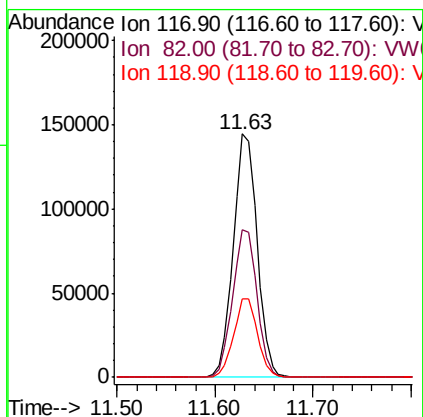
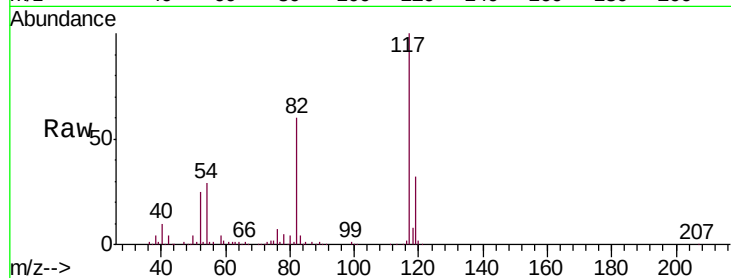




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012371.D
Acq: 31 Aug 2019 01:38

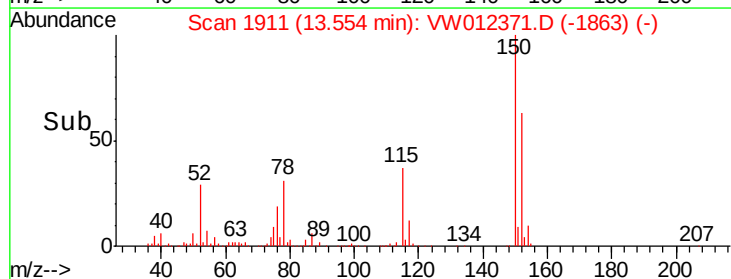
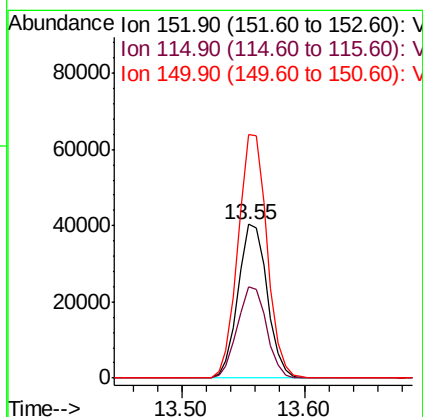
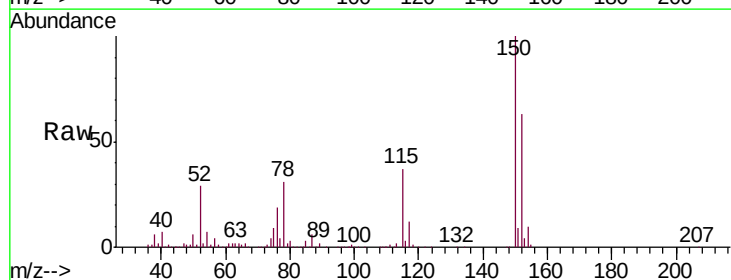
Instrument :
MSVOA_W
ClientSampleId :
S-3-(1-3)

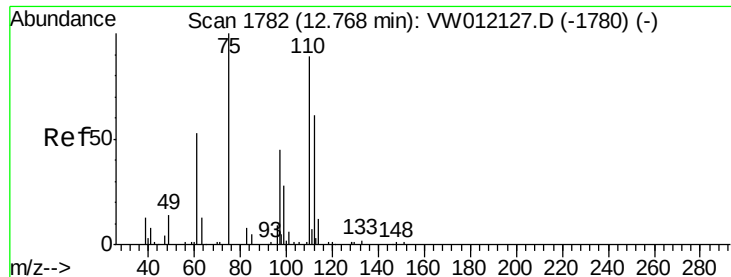
Tgt Ion:117 Resp: 245501
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012371.D
Acq: 31 Aug 2019 01:38

Tgt Ion:152 Resp: 66726
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.3
150 156.8 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 80.723 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

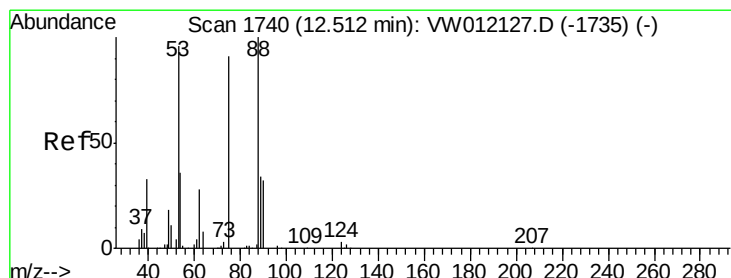
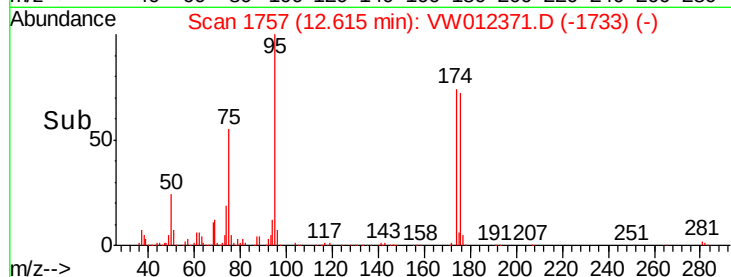
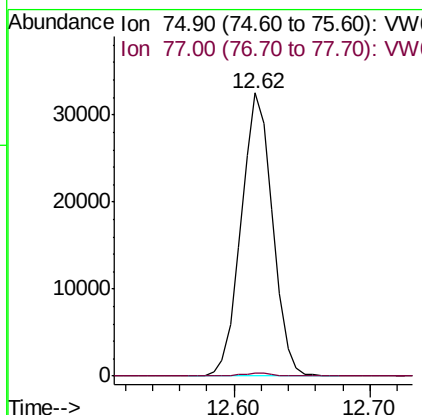
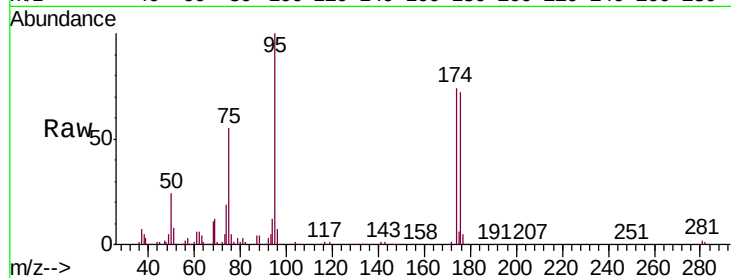
S-3-(1-3)

Tgt Ion: 75 Resp: 52459

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 176.988 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

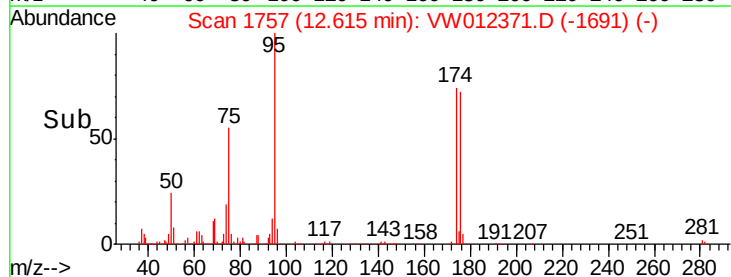
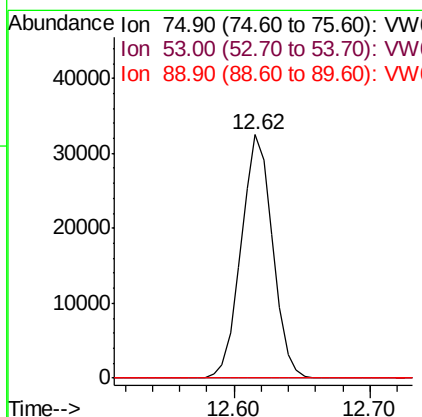
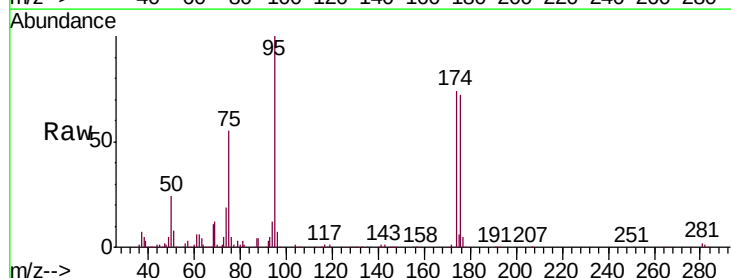
Tgt Ion: 75 Resp: 52459

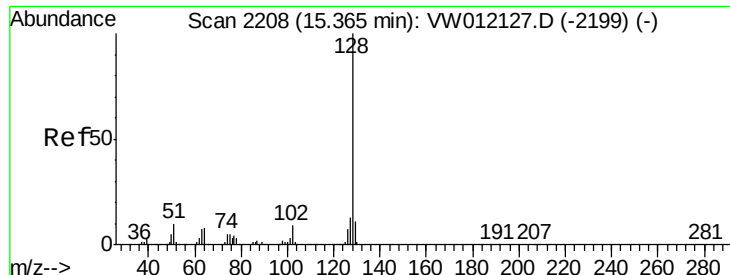
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.455 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012371.D

Acq: 31 Aug 2019 01:38

Instrument :

MSVOA_W

ClientSampleId :

S-3-(1-3)

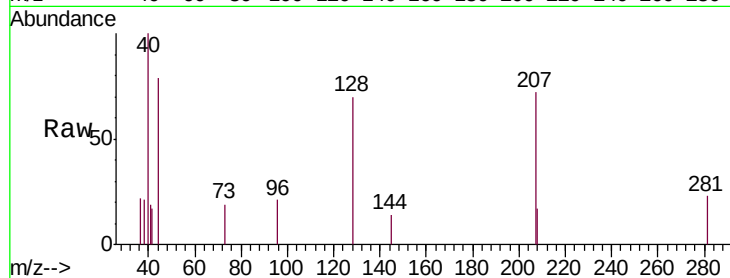
Tgt Ion:128 Resp: 369

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

