

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012539.D
 Acq On : 03 Sep 2019 12:03
 Operator : SY/VA
 Sample : K4439-03RE
 Misc : 4.55G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

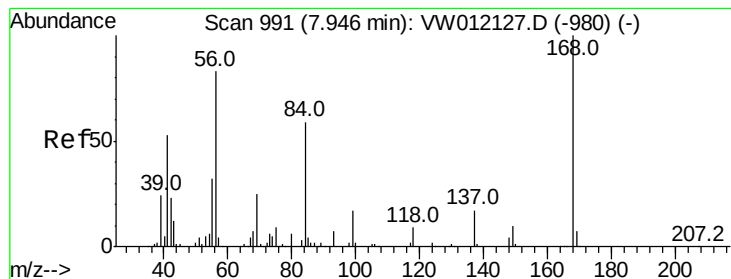
Quant Time: Sep 03 14:04:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	302097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	210507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55146	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	123149	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	7.88	113	98340	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
50) Toluene-d8	10.32	98	348784	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.62	95	81605	31.66	ug/l	0.00
Spiked Amount			Recovery	=	63.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	785	5.781	ug/l #	71
16) Acetone	4.14	43	5389	9.343	ug/l	100
20) Methylene Chloride	4.92	84	3210	1.472	ug/l #	83
25) 2-Butanone	7.15	43	2965	3.783	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	3296	1.417	ug/l #	55
29) Tetrahydrofuran	7.54	42	916	1.948	ug/l #	88
31) Cyclohexane	7.95	56	4821	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15790	5.058	ug/l #	51
37) Ethyl Acetate	7.15	43	2965	1.733	ug/l #	1
38) Carbon Tetrachloride	7.95	117	18982	7.025	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	43239	80.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43239	176.515	ug/l #	6
95) Naphthalene	15.38	128	531	4.554	ug/l #	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Instrument :

MSVOA_W

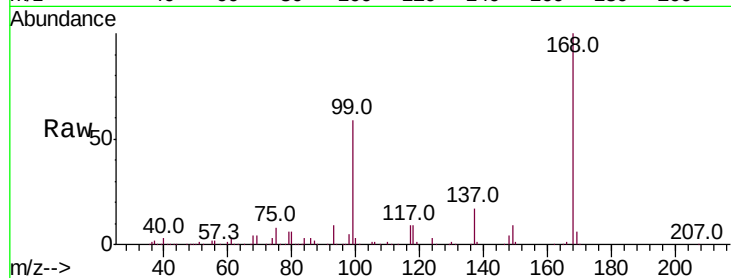
ClientSampleId :

Tot Ion:168 Resp: 189821

Ion Ratio Lower Upper

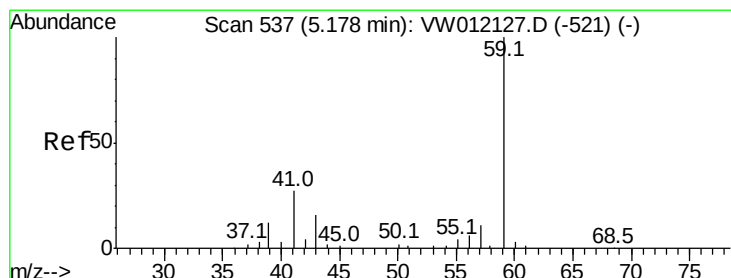
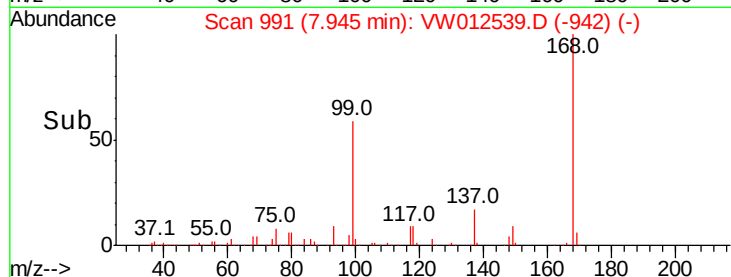
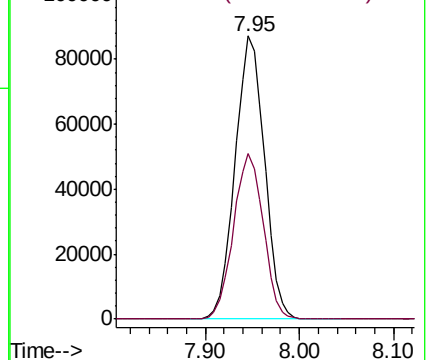
168 100

99 58.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.781 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.05 min

Lab File: VW012539.D

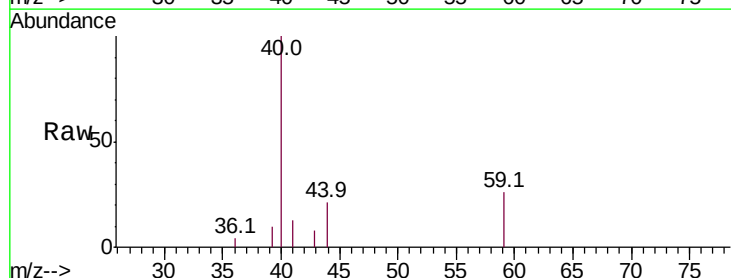
Acq: 03 Sep 2019 12:03

Tgt Ion: 59 Resp: 785

Ion Ratio Lower Upper

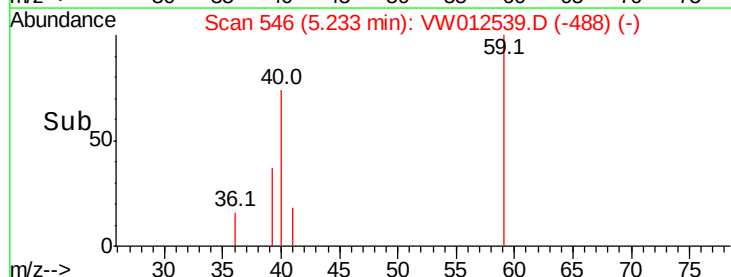
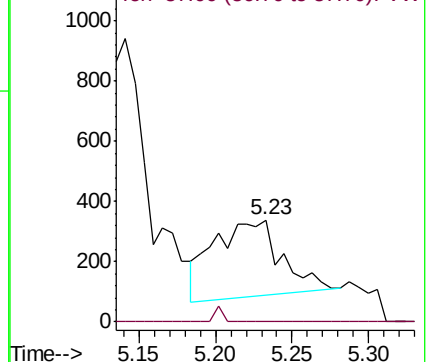
59 100

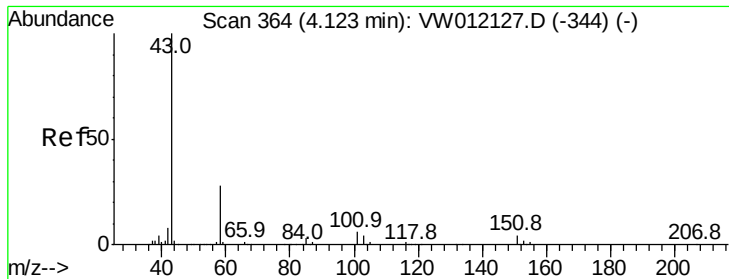
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 9.343 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

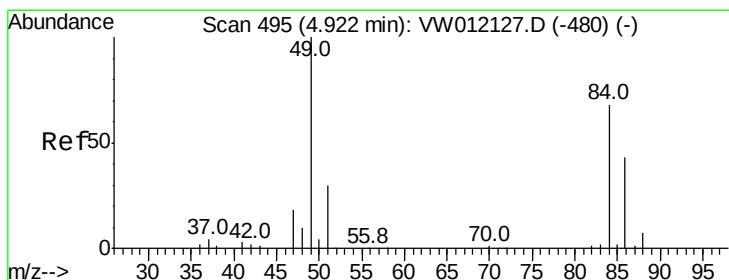
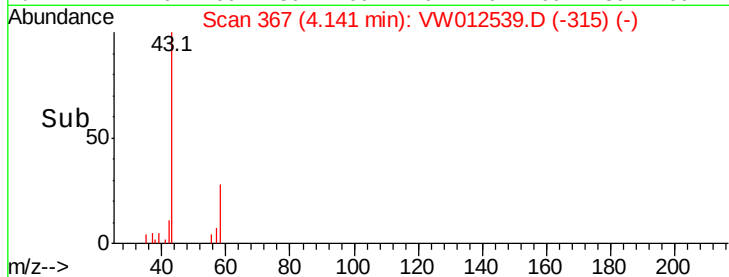
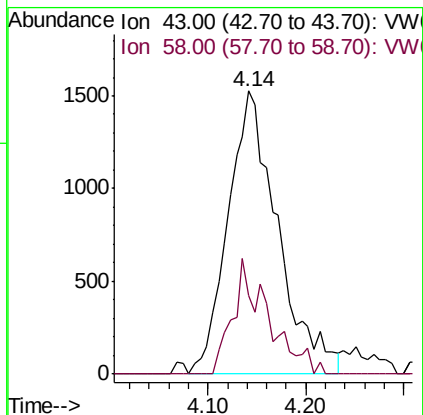
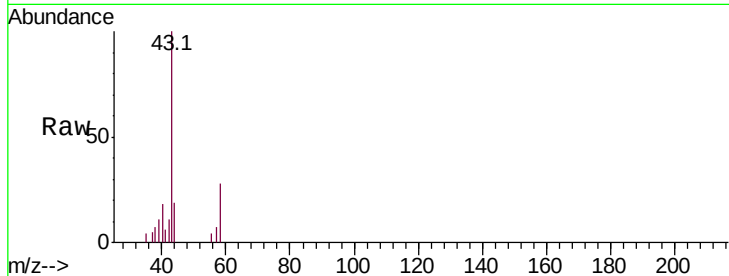
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 5389

Ion Ratio Lower Upper

43 100

58 27.9 22.4 33.6



#20

Methylene Chloride

Concen: 1.472 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Tgt Ion: 84 Resp: 3210

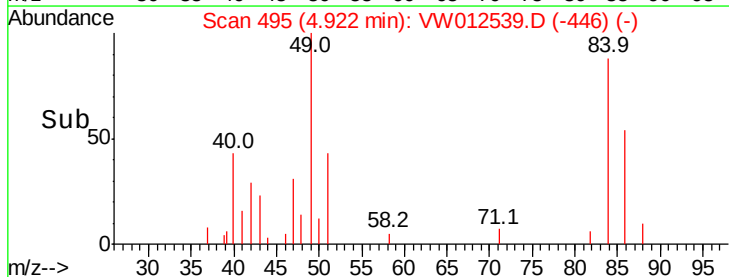
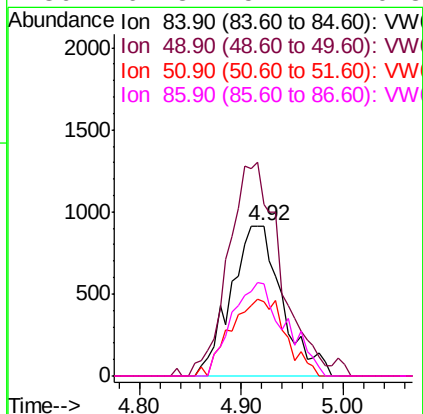
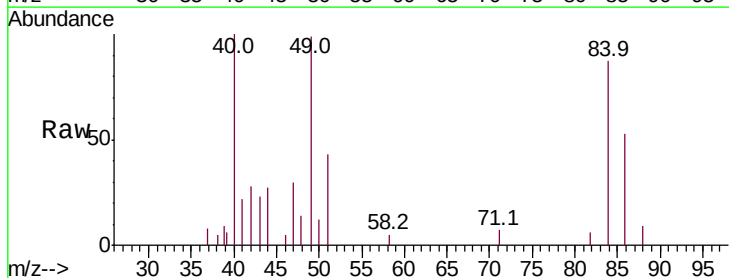
Ion Ratio Lower Upper

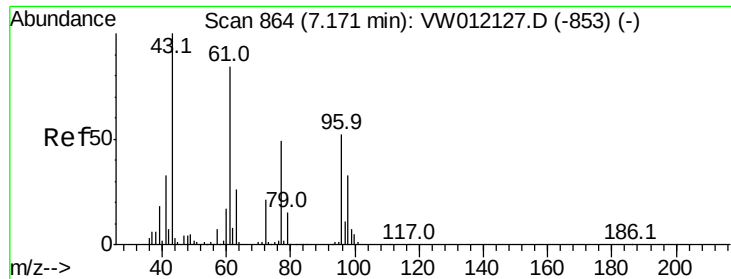
84 100

49 114.2 117.8 176.8#

51 49.1 35.6 53.4

86 61.3 51.2 76.8





#25

2-Butanone

Concen: 3.783 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

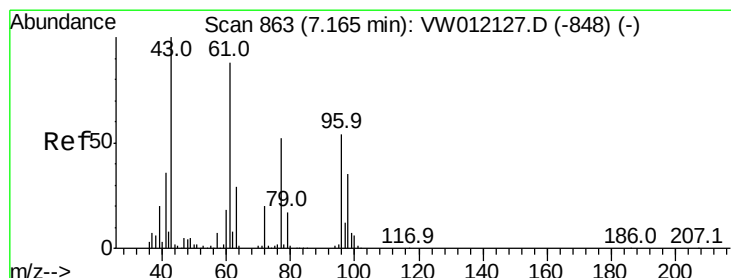
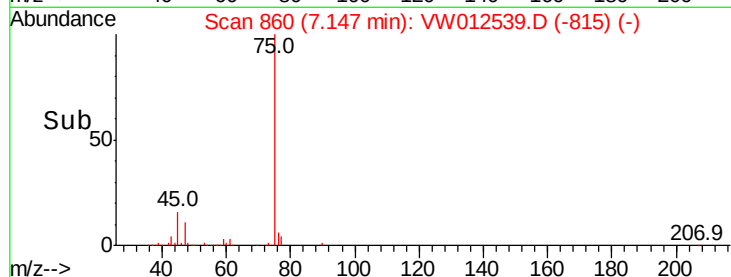
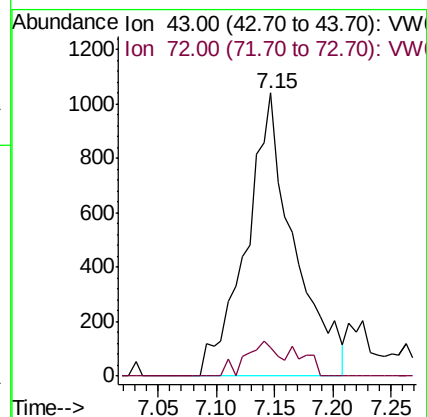
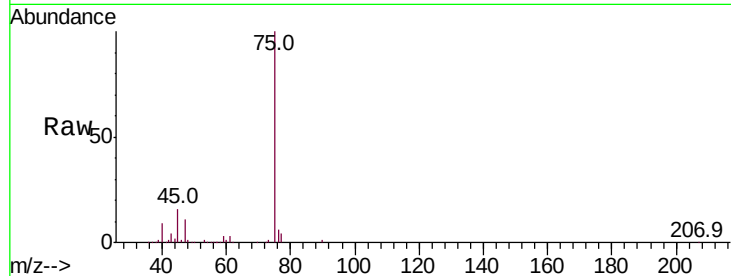
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

72 10.3 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.417 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012539.D

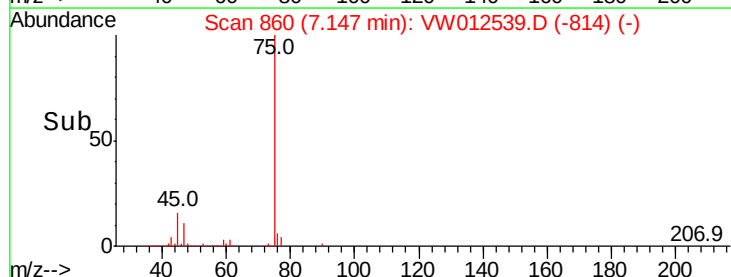
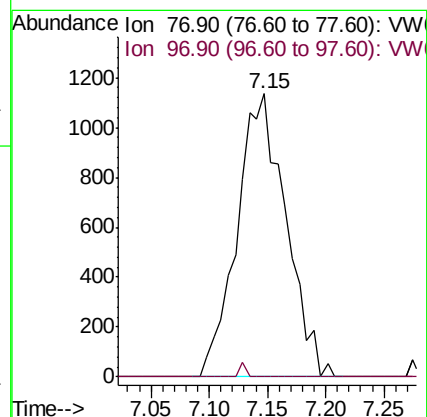
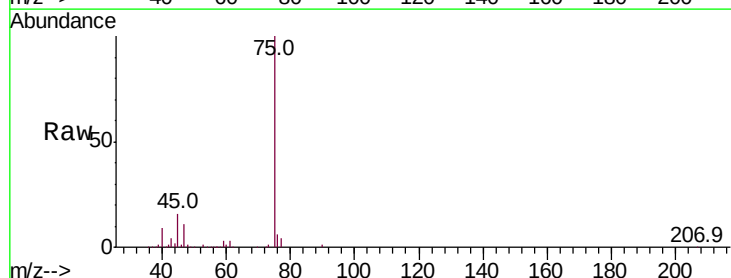
Acq: 03 Sep 2019 12:03

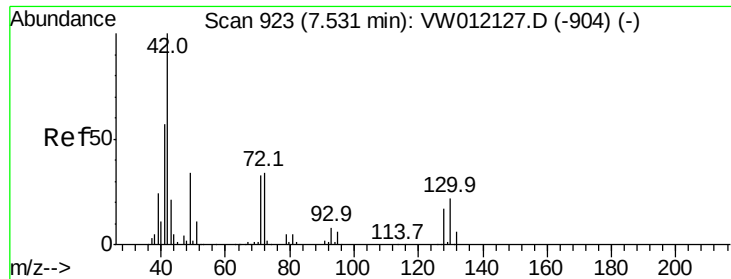
Tgt Ion: 77 Resp: 3296

Ion Ratio Lower Upper

77 100

97 0.7 11.1 33.1#

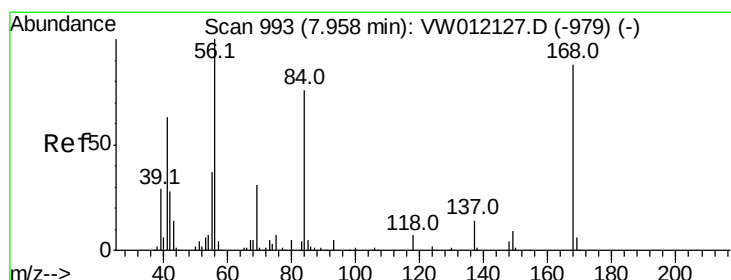
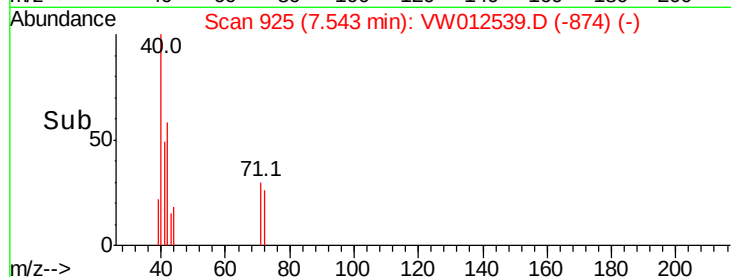
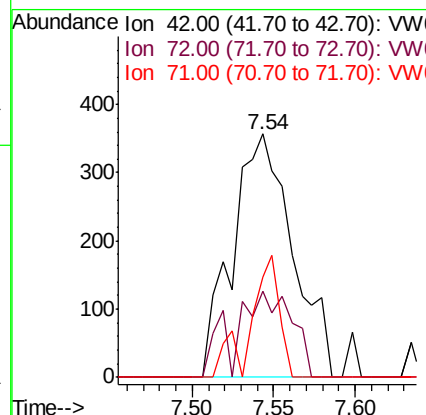
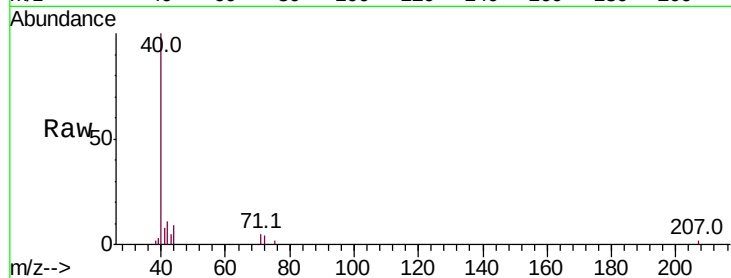




#29
Tetrahydrofuran
Concen: 1.948 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012539.D
Acq: 03 Sep 2019 12:03

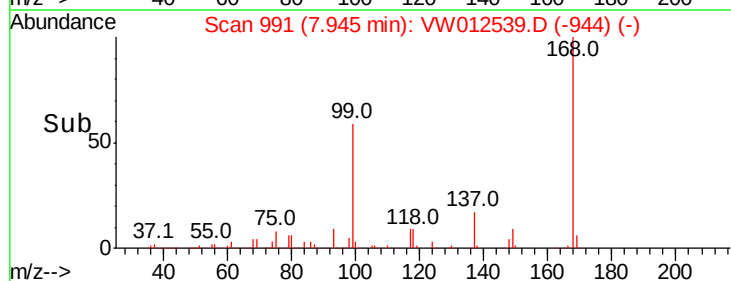
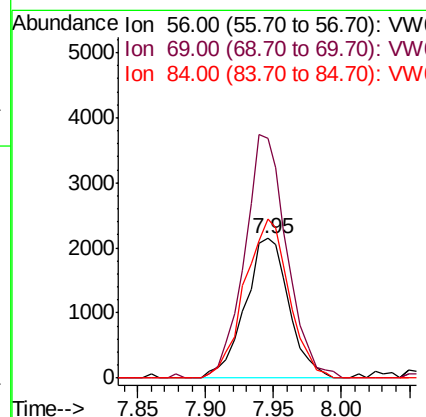
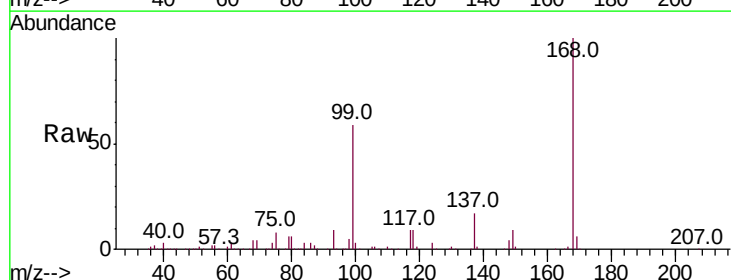
Instrument :
MSVOA_W
ClientSampled :

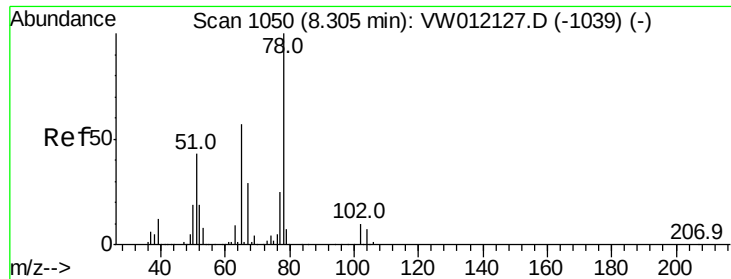
Tot Ion: 42 Resp: 916
Ion Ratio Lower Upper
42 100
72 27.6 27.3 40.9
71 24.2 25.5 38.3#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012539.D
Acq: 03 Sep 2019 12:03

Tgt Ion: 56 Resp: 4821
Ion Ratio Lower Upper
56 100
69 171.9 24.9 37.3#
84 114.5 60.6 90.8#

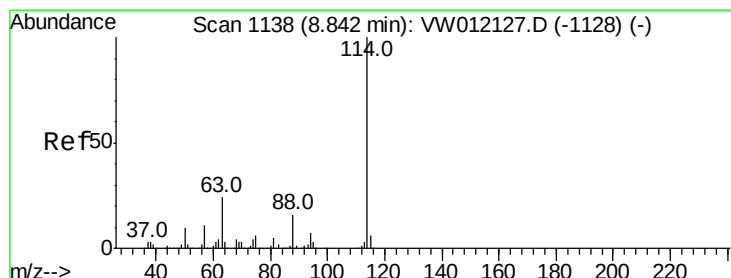
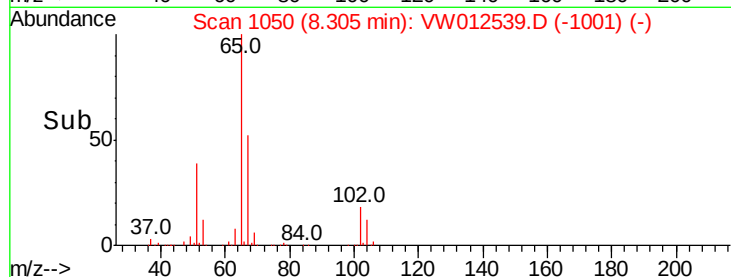
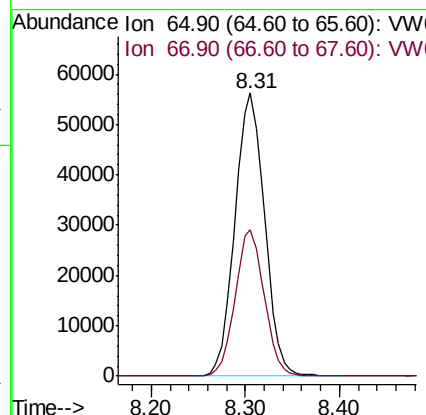
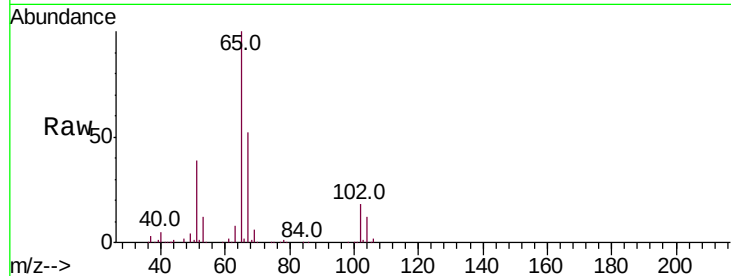




#33
 1,2-Dichloroethane-d4
 Concen: 54.575 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012539.D
 Acq: 03 Sep 2019 12:03

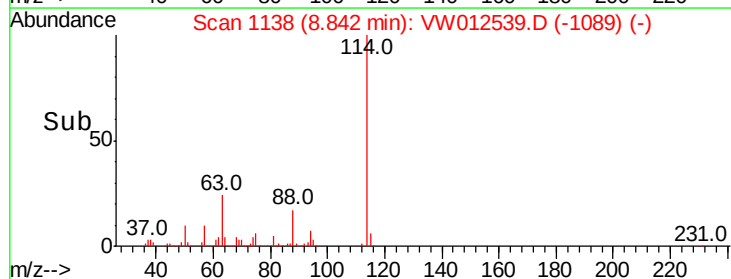
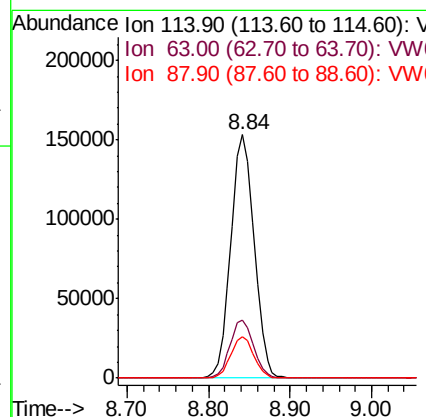
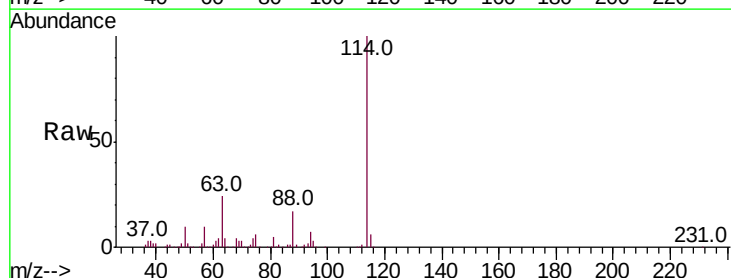
Instrument :
 MSVOA_W
 ClientSampled :

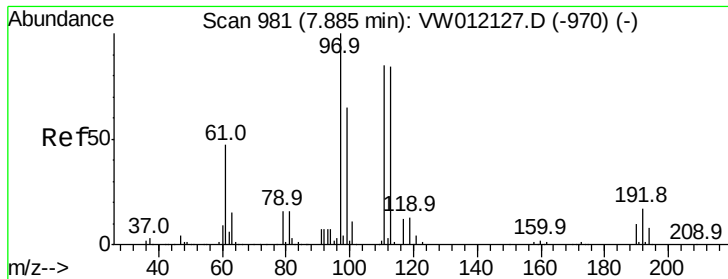
Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012539.D
 Acq: 03 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	48.6
88	16.9	0.0	32.2

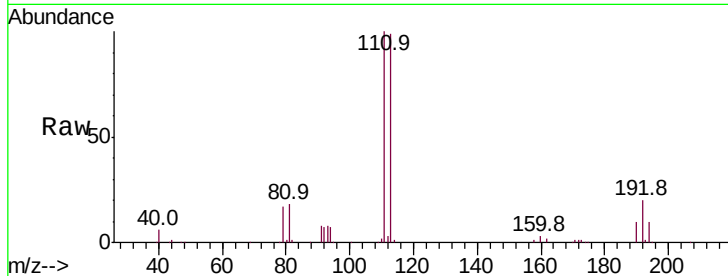




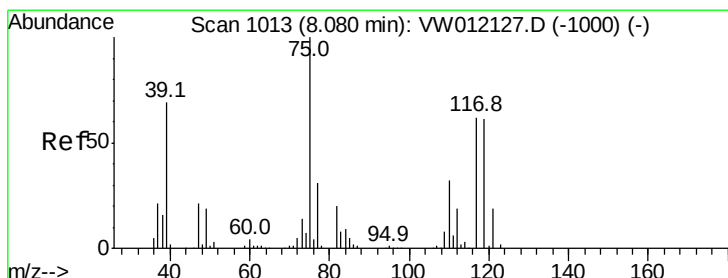
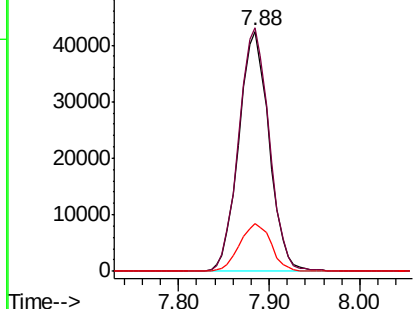
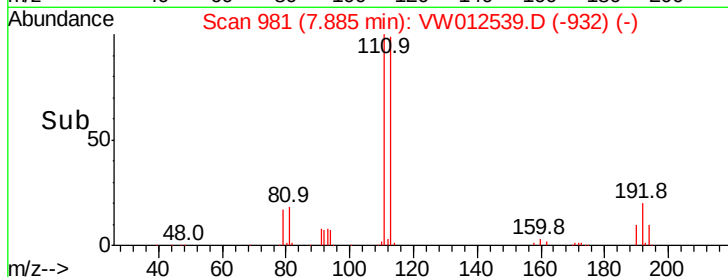
#35
 Dibromofluoromethane
 Concen: 54.536 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012539.D
 Acq: 03 Sep 2019 12:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 98340
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.7 16.2 24.2

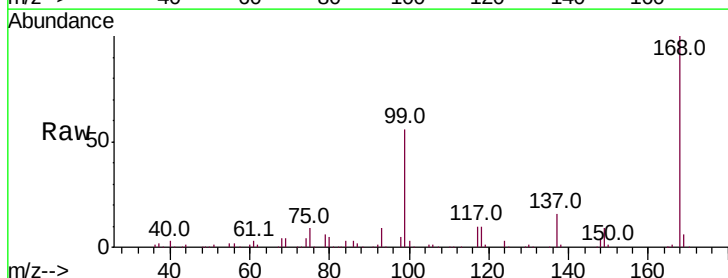


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

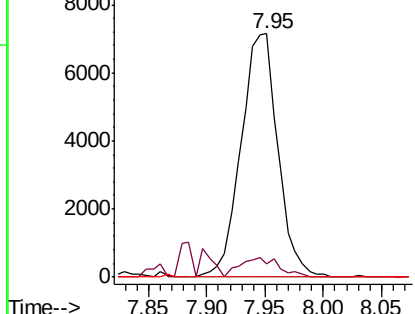
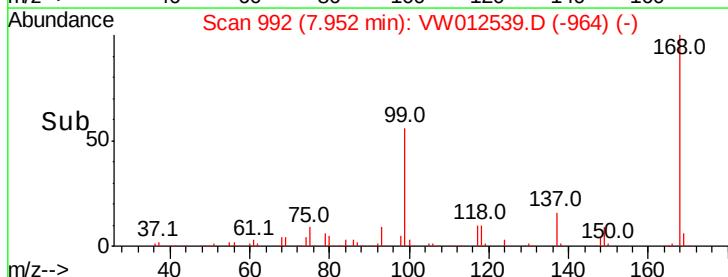


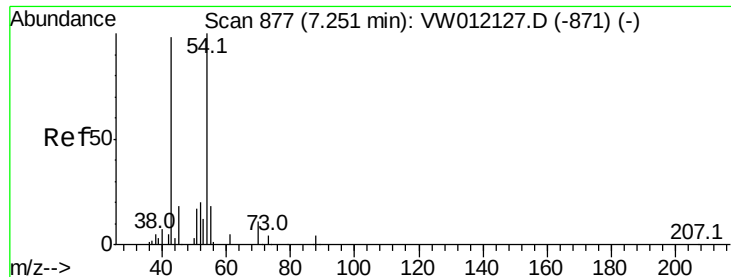
#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW012539.D
 Acq: 03 Sep 2019 12:03

Tgt Ion: 75 Resp: 15790
 Ion Ratio Lower Upper
 75 100
 110 8.4 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: 1.733 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Instrument :
MSVOA_W
ClientSampled :

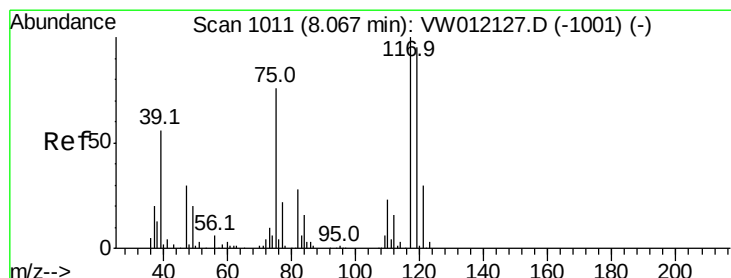
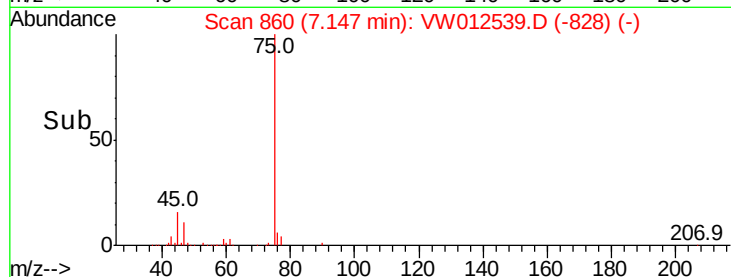
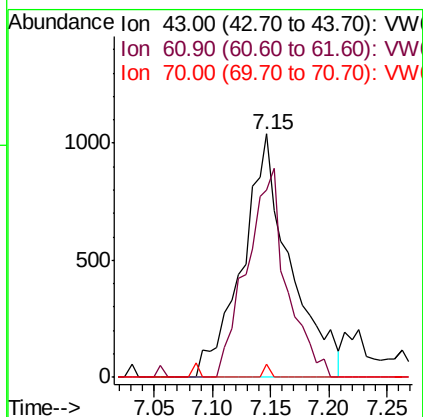
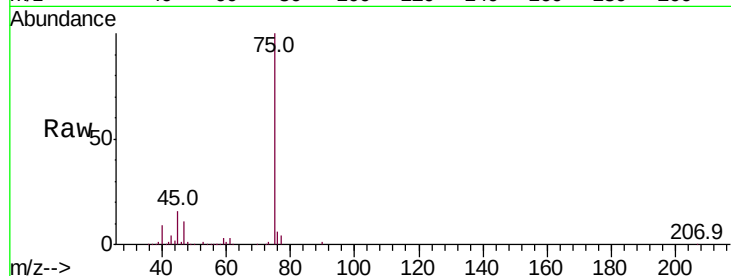
Tot Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

61 71.6 9.2 13.8#

70 0.7 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 7.025 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

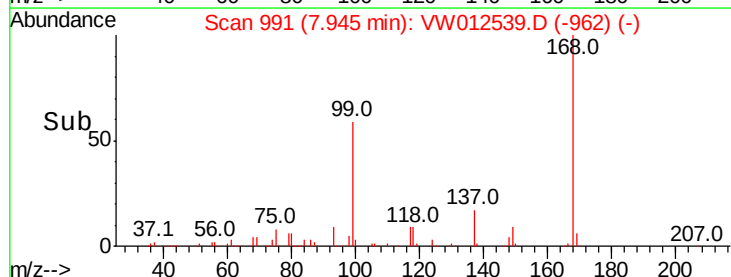
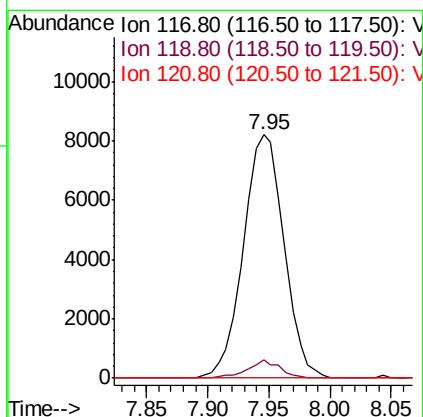
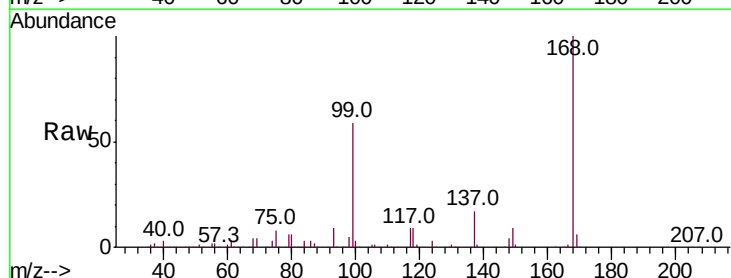
Tgt Ion: 117 Resp: 18982

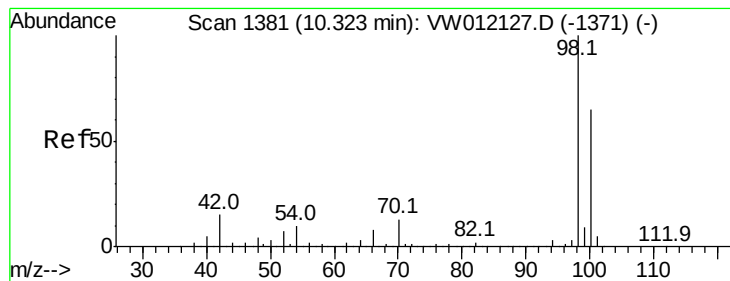
Ion Ratio Lower Upper

117 100

119 7.5 76.2 114.2#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 47.703 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Instrument :

MSVOA_W

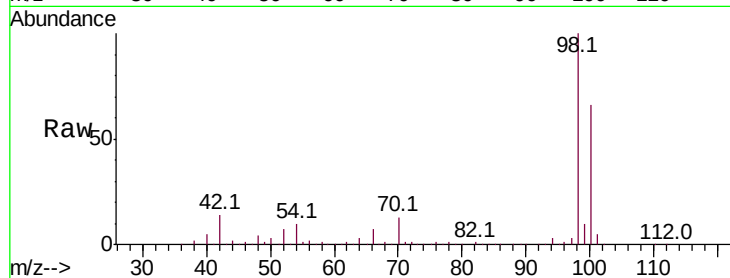
ClientSampleId :

Tot Ion: 98 Resp: 348784

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

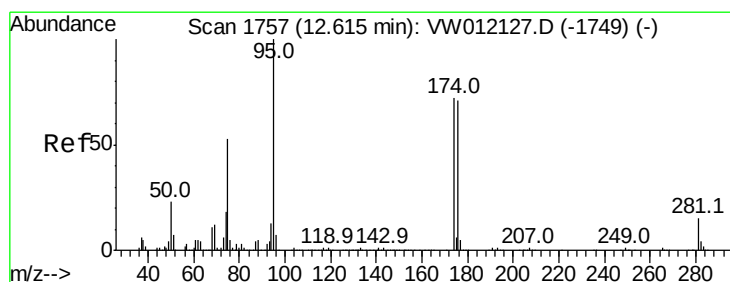
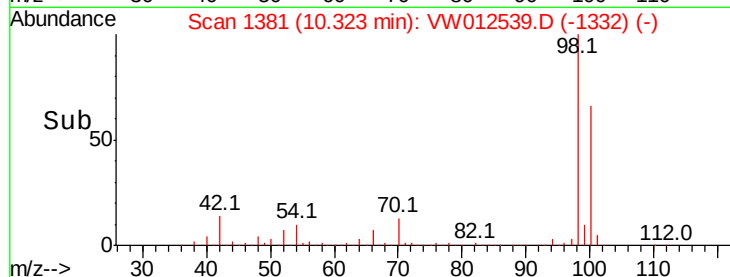
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 31.663 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

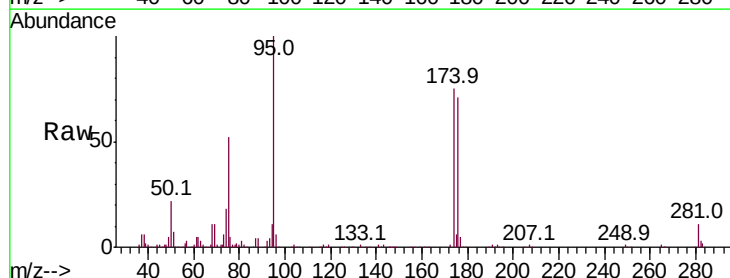
Tgt Ion: 95 Resp: 81605

Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

176 76.1 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

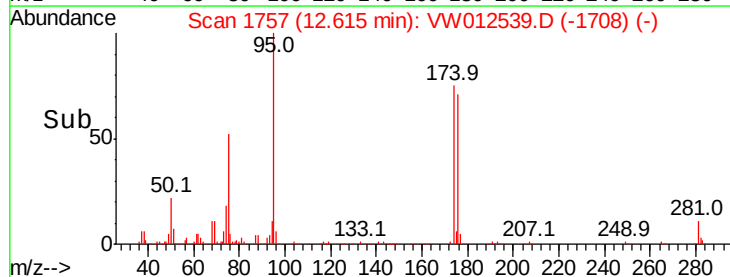
60000

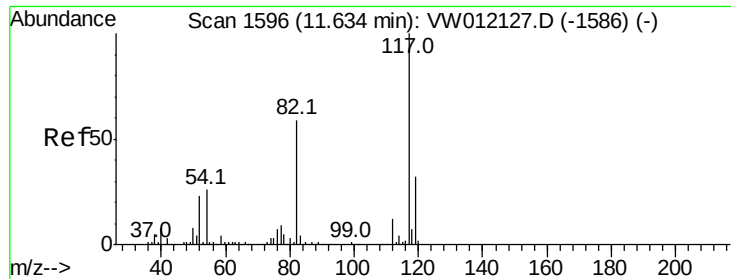
40000

20000

0

Time--> 12.50 12.60 12.70

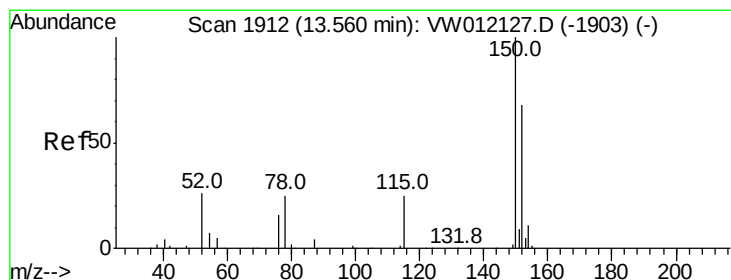
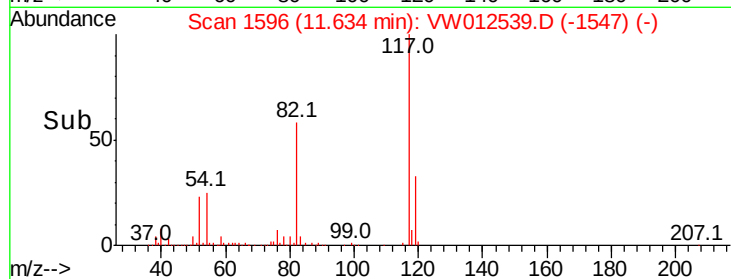
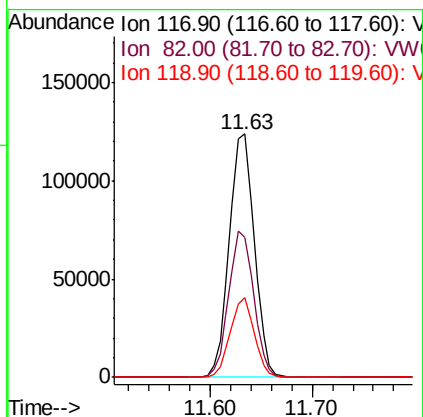
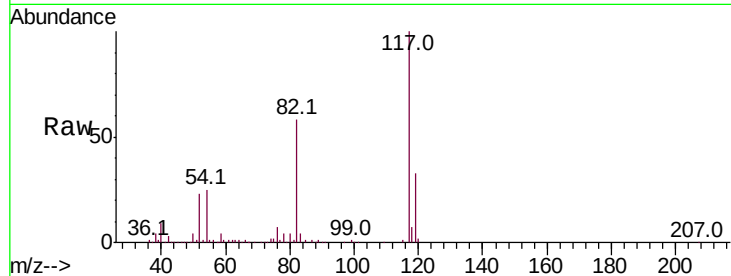




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012539.D
Acq: 03 Sep 2019 12:03

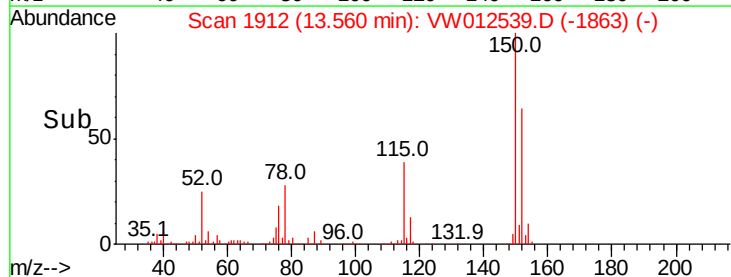
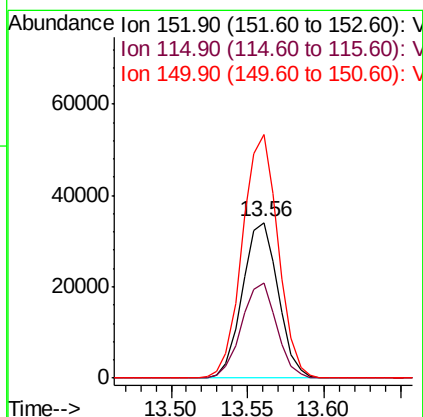
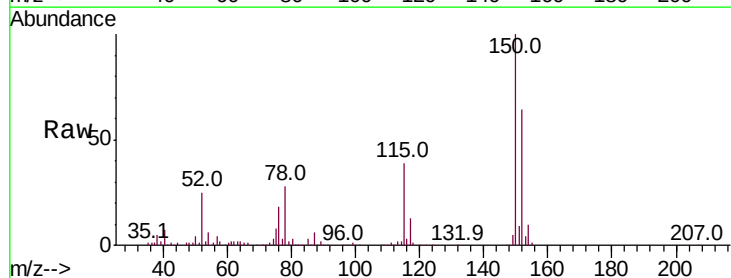
Instrument :
MSVOA_W
ClientSampleId :

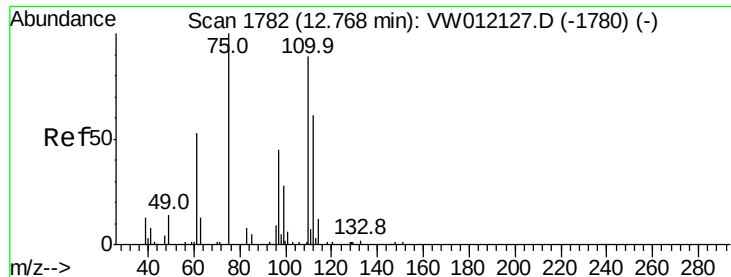
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.4	71.2
119	32.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012539.D
Acq: 03 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	156.7	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 80.507 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Instrument :

MSVOA_W

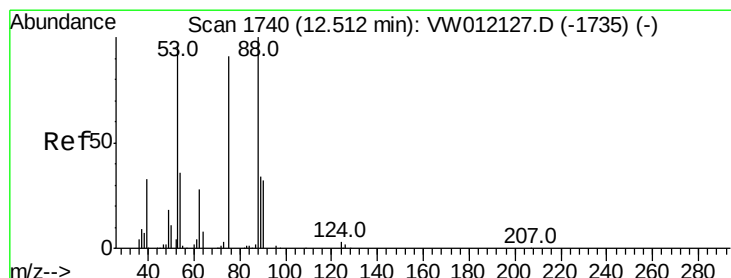
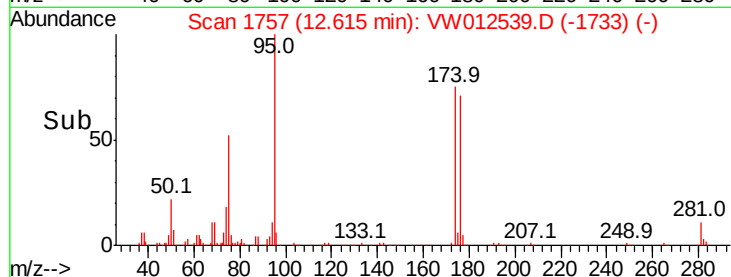
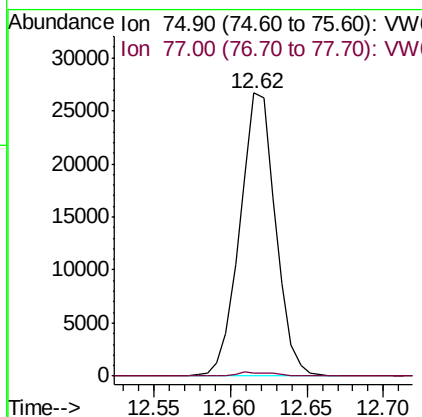
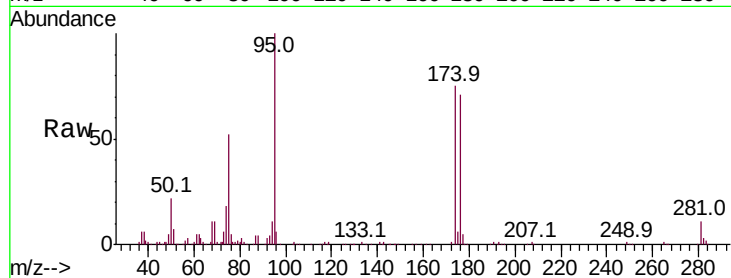
ClientSampleId :

Tot Ion: 75 Resp: 43239

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 176.515 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

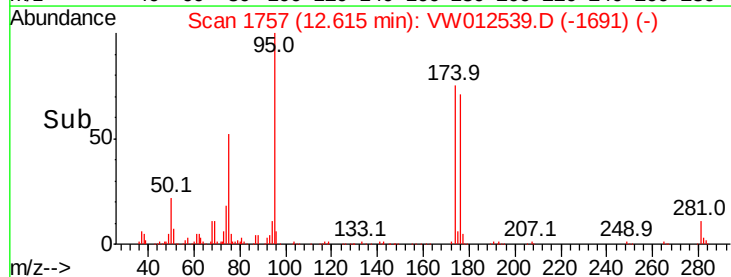
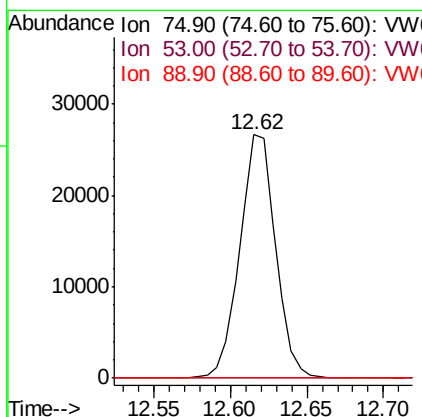
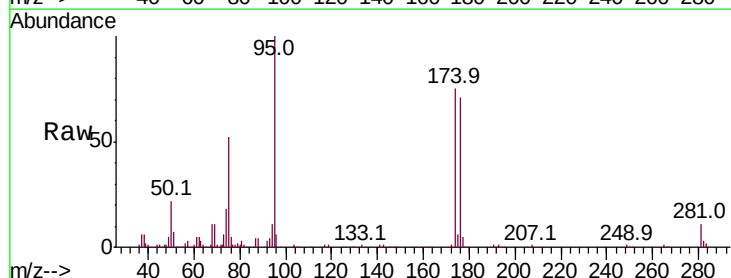
Tgt Ion: 75 Resp: 43239

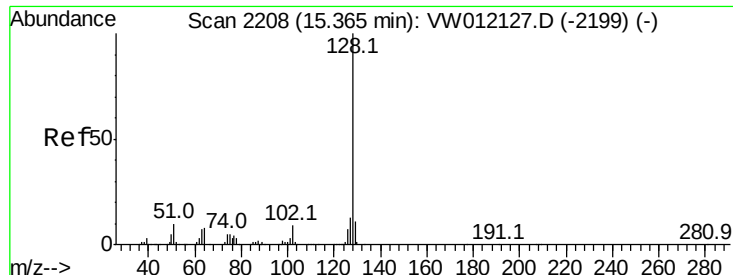
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.554 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012539.D

Acq: 03 Sep 2019 12:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 531

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

129 0.0 8.7 13.1#

