

Data File : VW012010.D
Acq On : 20 Aug 2019 00:21
Operator : SY/VA
Sample : K4386-05
Misc : 5.97G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-E2-(2)

Quant Time: Aug 20 05:16:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	181231	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.88	113	149092	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	10.32	98	614760	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
62) 4-Bromofluorobenzene	12.62	95	190705	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

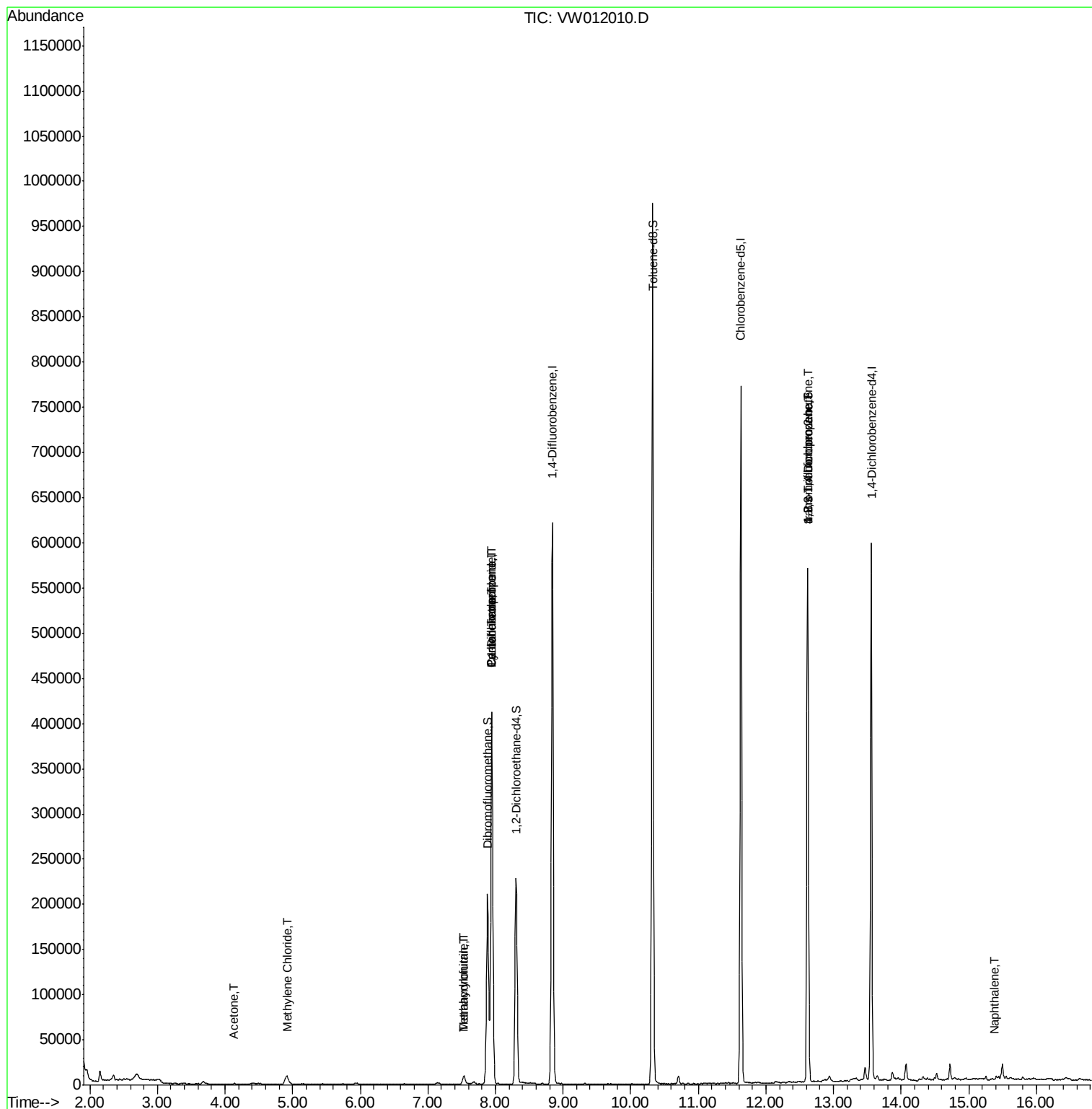
						Qvalue
11) Tert butyl alcohol	5.16	59	590	Below Cal	#	72
16) Acetone	4.14	43	1365	1.257	ug/l	90
20) Methylene Chloride	4.91	84	6889	1.839	ug/l #	84
29) Tetrahydrofuran	7.54	42	8475	10.434	ug/l	99
31) Cyclohexane	7.95	56	7207	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24846	4.836	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29404	6.686	ug/l #	18
41) Methacrylonitrile	7.54	41	5331	3.017	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	100004	63.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100004	145.802	ug/l #	6
95) Naphthalene	15.37	128	845	2.203	ug/l #	79

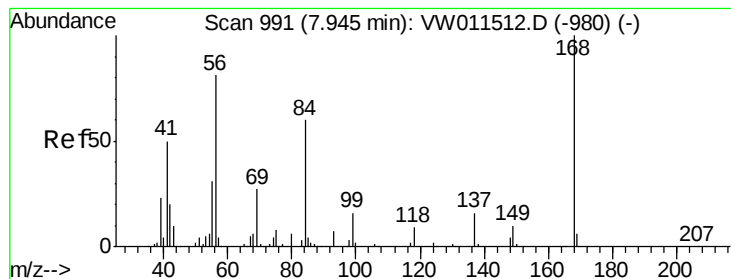
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012010.D

Acq: 20 Aug 2019 00:21

Instrument :

MSVOA_W

ClientSampleId :

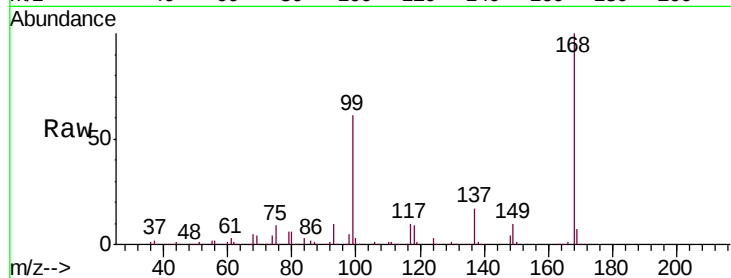
T8-E2-(2)

Tgt Ion:168 Resp: 297314

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

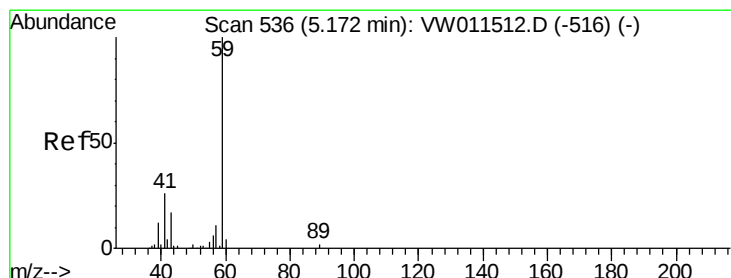
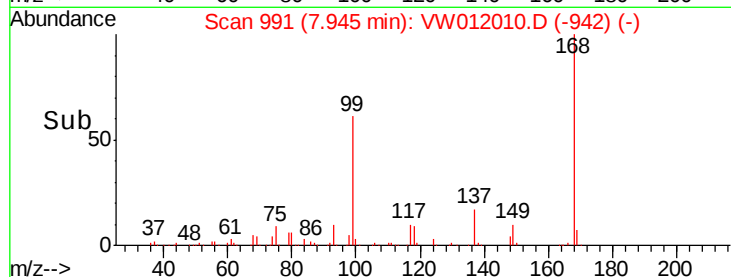
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW012010.D

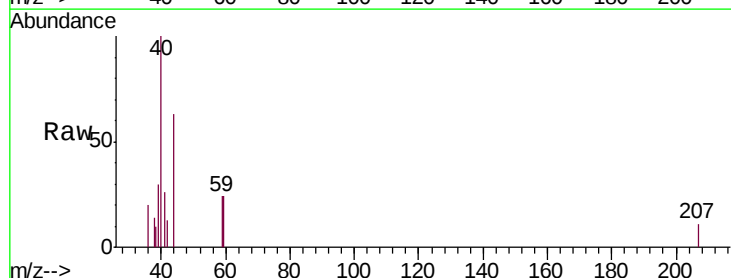
Acq: 20 Aug 2019 00:21

Tgt Ion: 59 Resp: 590

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

250

200

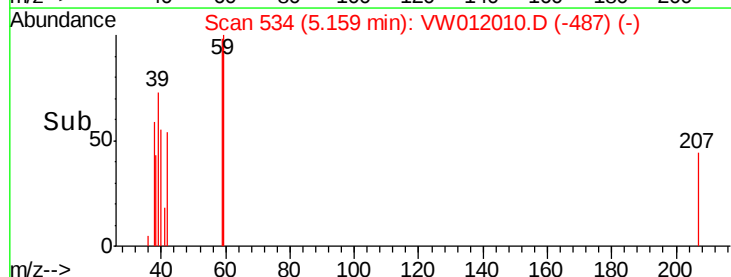
150

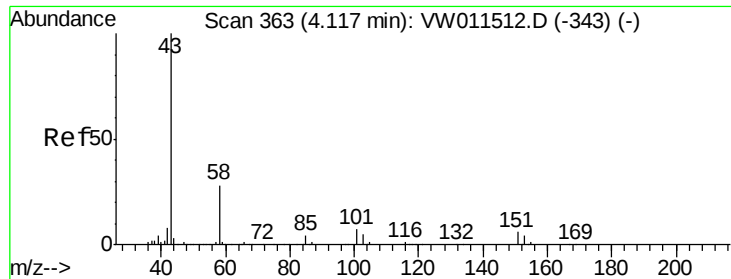
100

50

0

Time--> 5.15 5.20





#16

Acetone

Concen: 1.257 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Instrument :

MSVOA_W

ClientSampled :

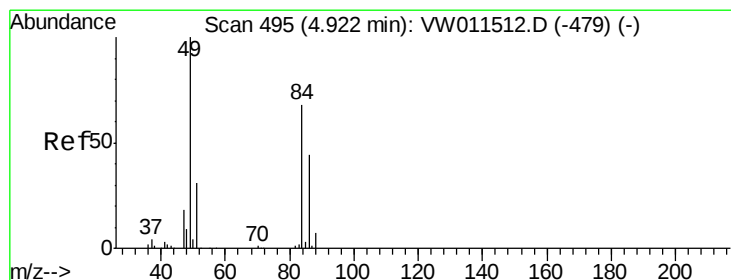
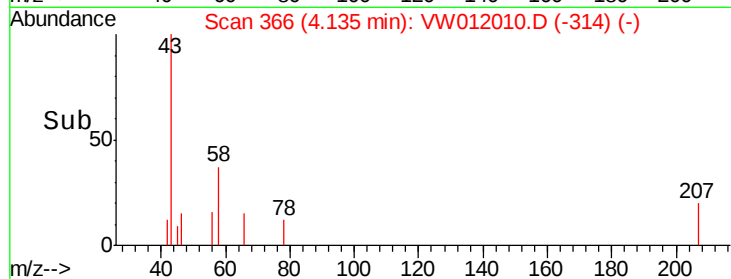
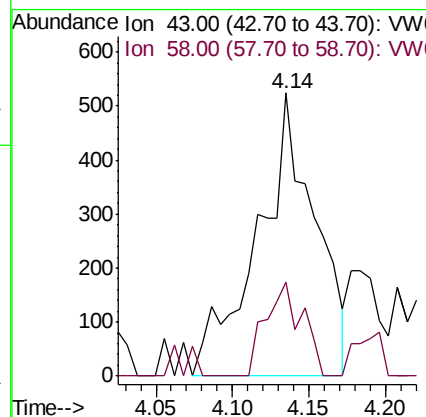
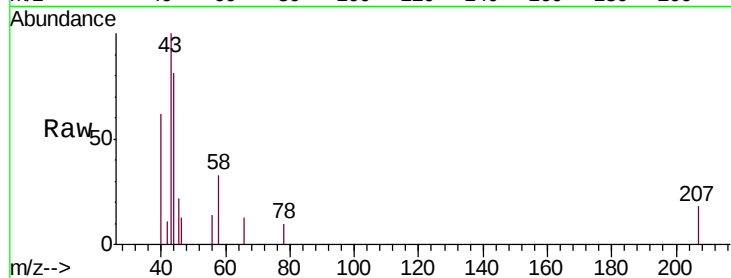
T8-E2-(2)

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

58 33.2 22.3 33.5



#20

Methylene Chloride

Concen: 1.839 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Tgt Ion: 84 Resp: 6889

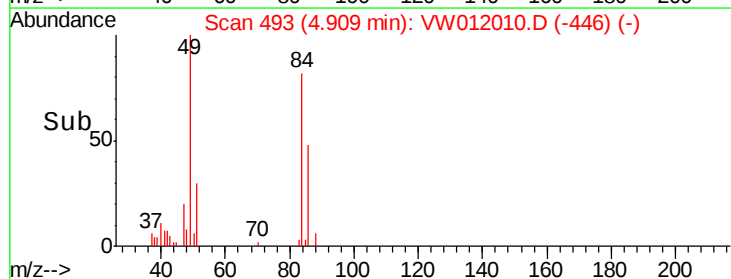
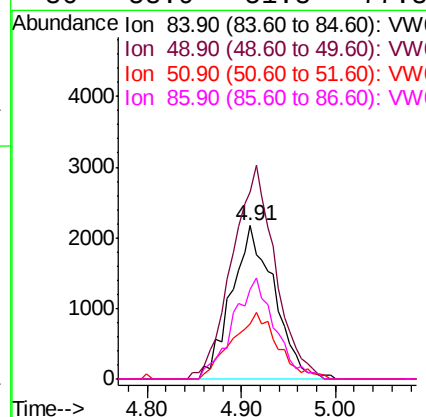
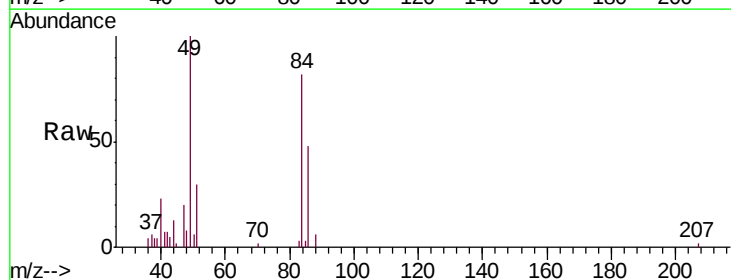
Ion Ratio Lower Upper

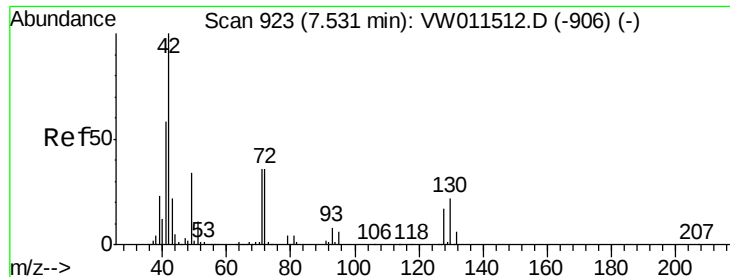
84 100

49 122.3 117.8 176.6

51 36.2 37.0 55.4#

86 58.9 51.8 77.8





#29

Tetrahydrofuran

Concen: 10.434 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Instrument :

MSVOA_W

ClientSampleId :

T8-E2-(2)

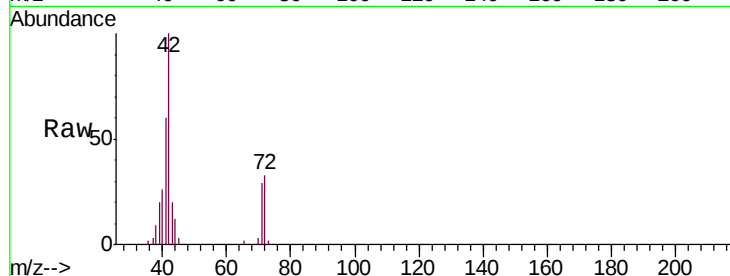
Tgt Ion: 42 Resp: 8475

Ion Ratio Lower Upper

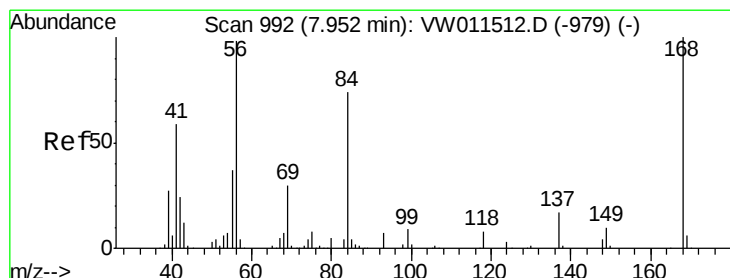
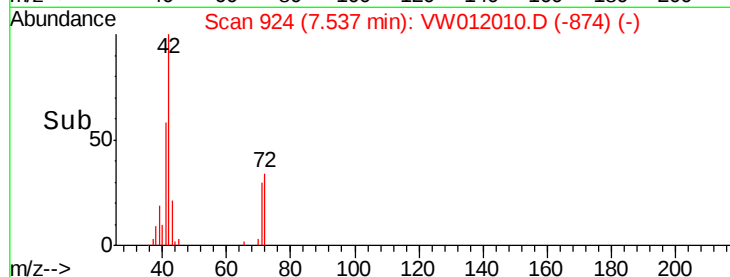
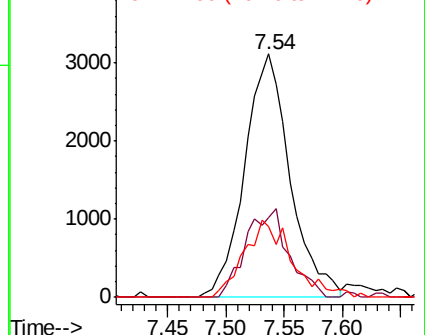
42 100

72 34.3 27.1 40.7

71 33.6 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

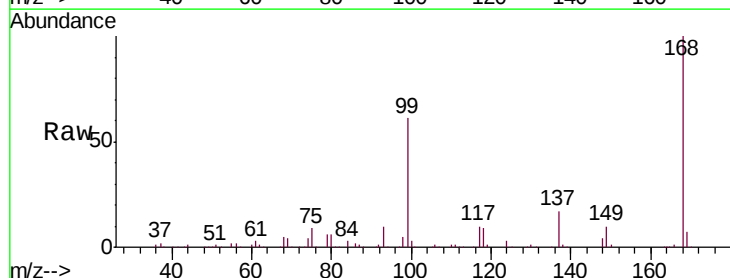
Tgt Ion: 56 Resp: 7207

Ion Ratio Lower Upper

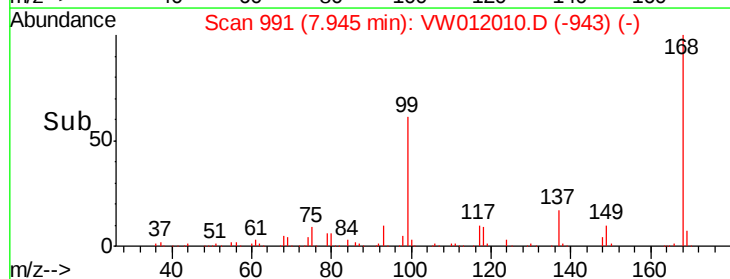
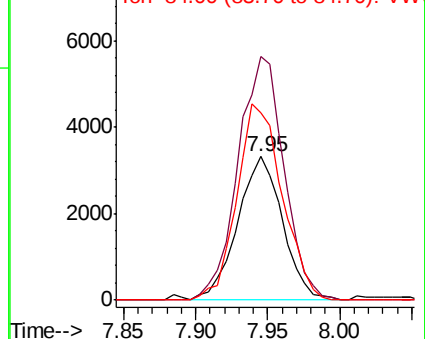
56 100

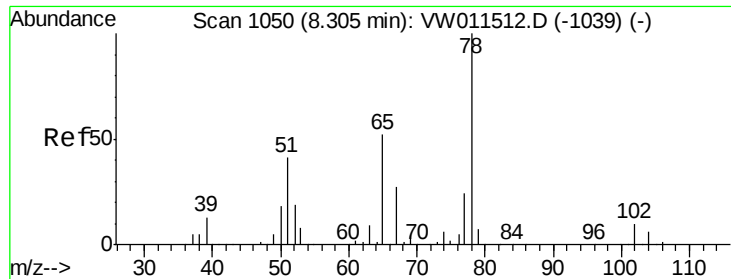
69 169.8 24.3 36.5#

84 130.8 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

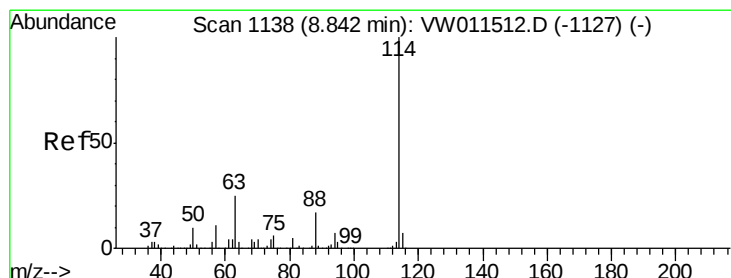
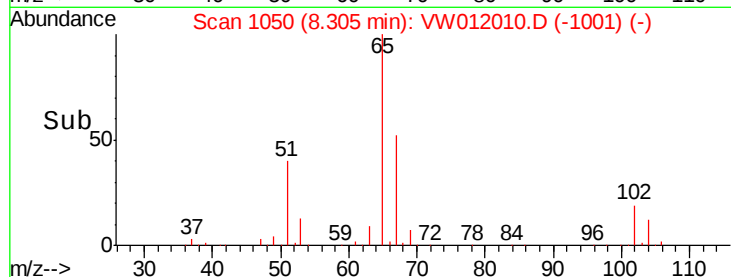
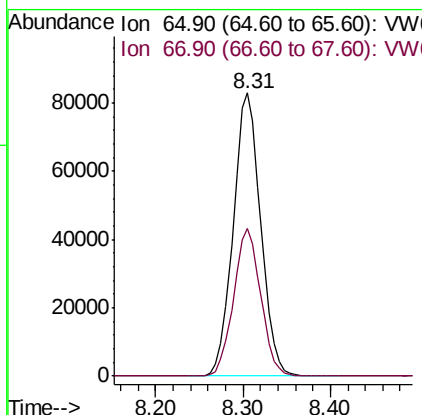
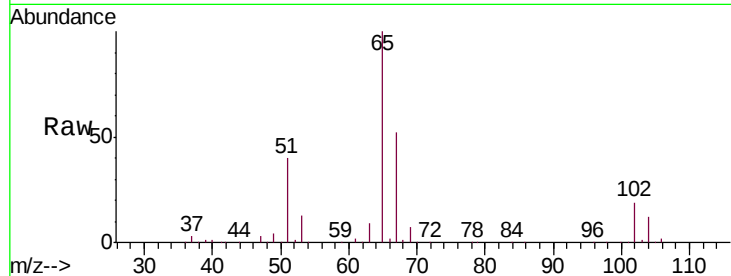




#33
 1,2-Dichloroethane-d4
 Concen: 53.085 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012010.D
 Acq: 20 Aug 2019 00:21

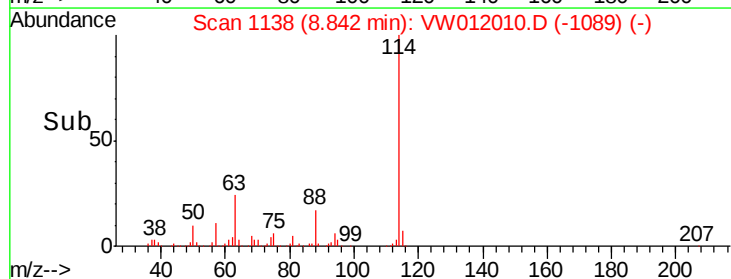
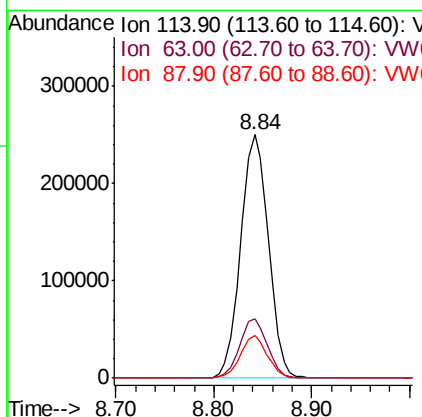
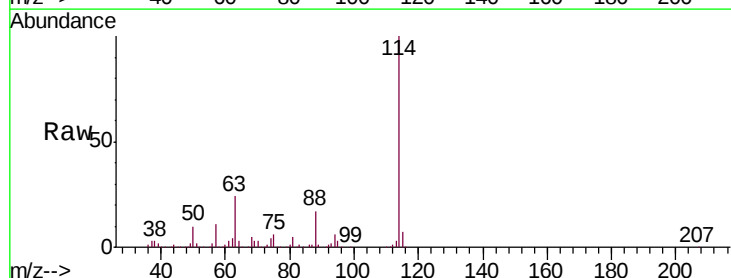
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-E2-(2)

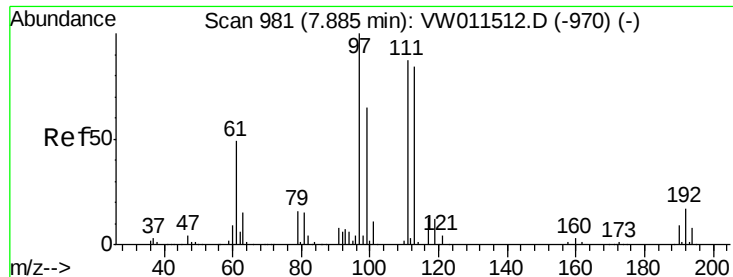
Tgt Ion: 65 Resp: 181231
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012010.D
 Acq: 20 Aug 2019 00:21

Tgt Ion: 114 Resp: 494083
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 17.3 0.0 33.8

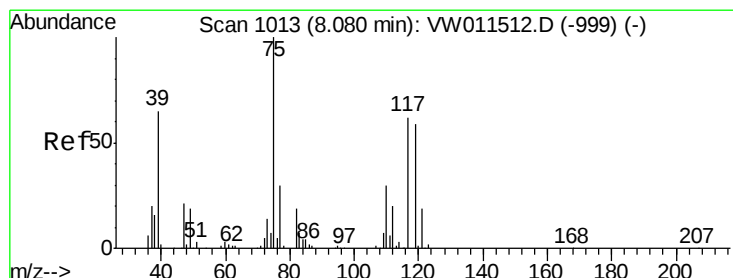
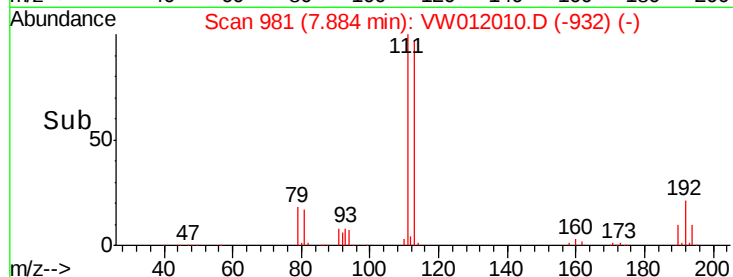
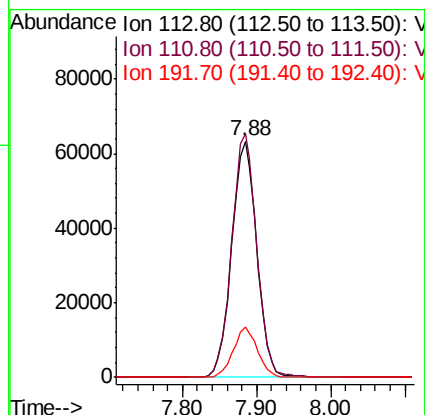
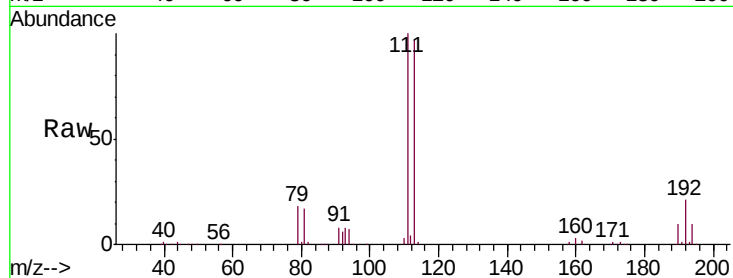




#35
 Dibromofluoromethane
 Concen: 53.787 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012010.D
 Acq: 20 Aug 2019 00:21

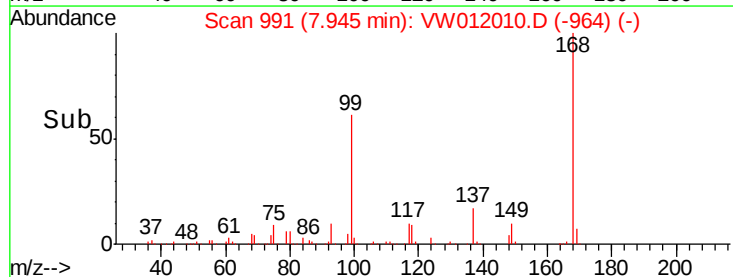
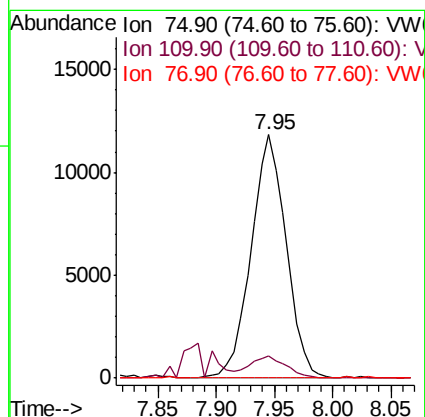
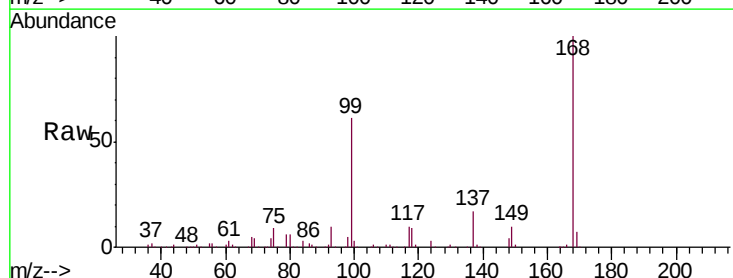
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-E2-(2)

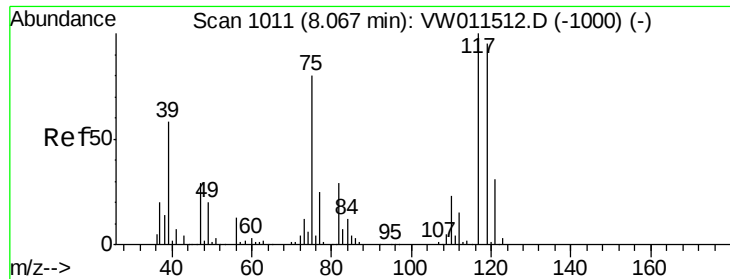
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012010.D
 Acq: 20 Aug 2019 00:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.686 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Instrument :

MSVOA_W

ClientSampleId :

T8-E2-(2)

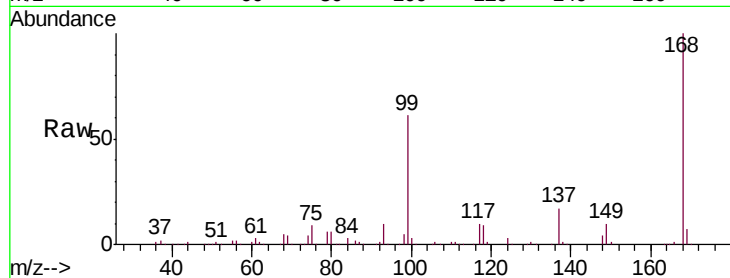
Tgt Ion:117 Resp: 29404

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

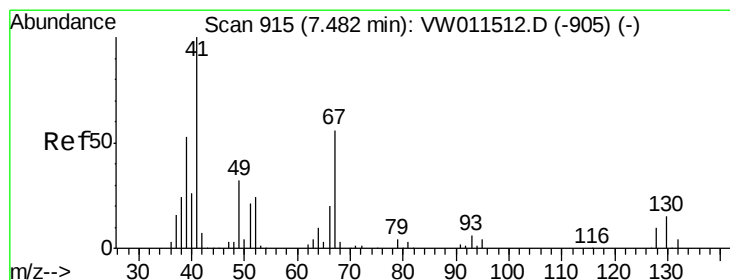
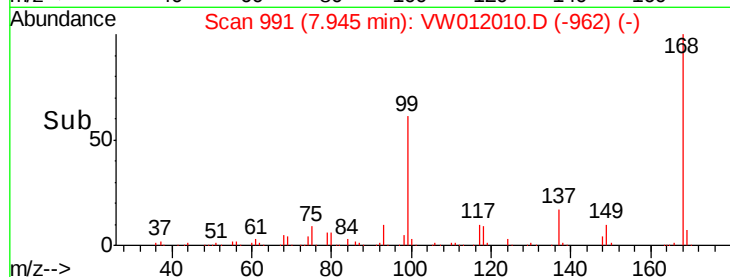
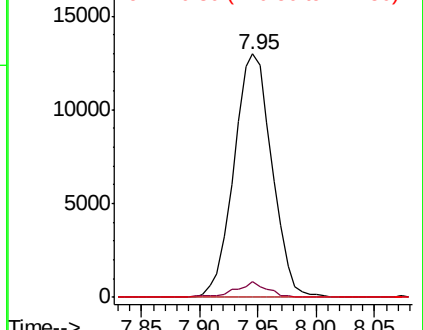
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 3.017 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Tgt Ion: 41 Resp: 5331

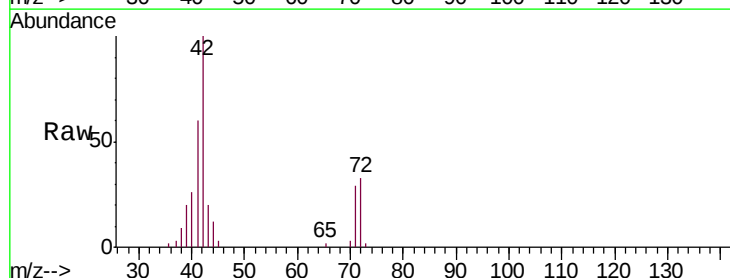
Ion Ratio Lower Upper

41 100

39 44.6 43.0 64.4

67 0.0 47.5 71.3#

52 0.4 21.0 31.6#

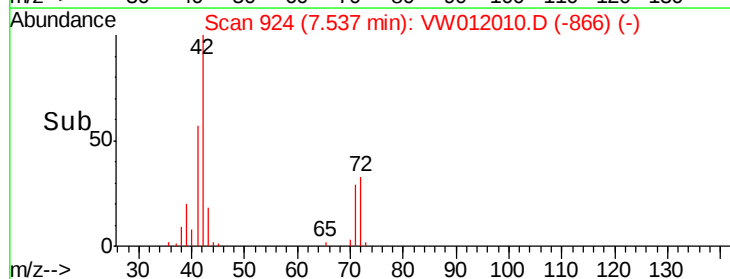
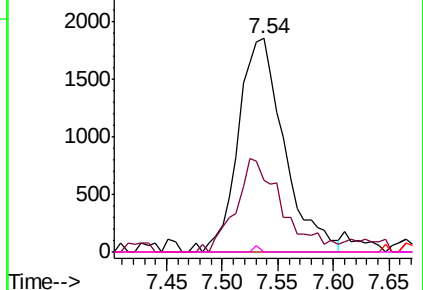


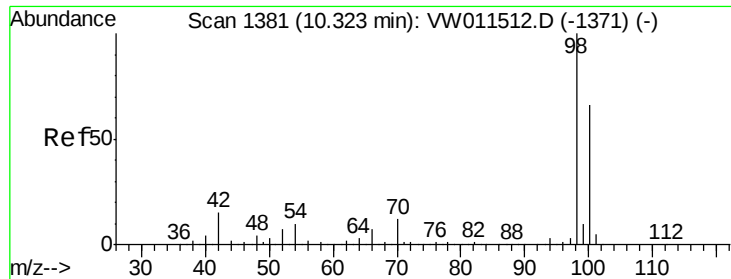
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

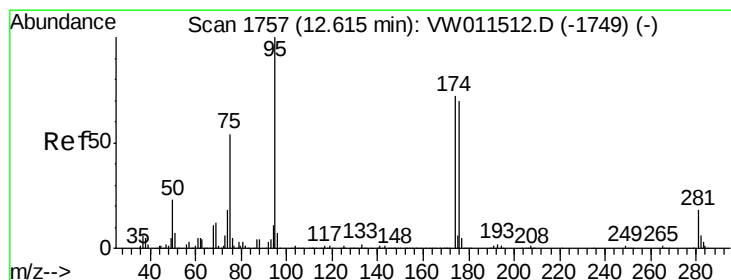
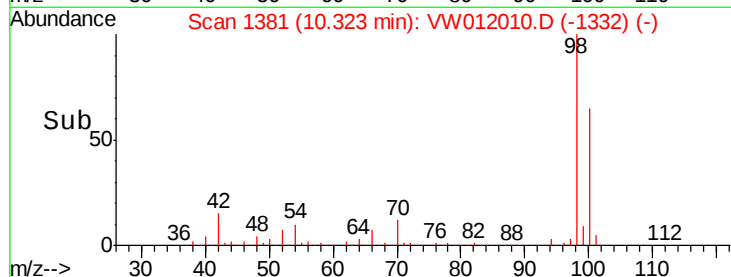
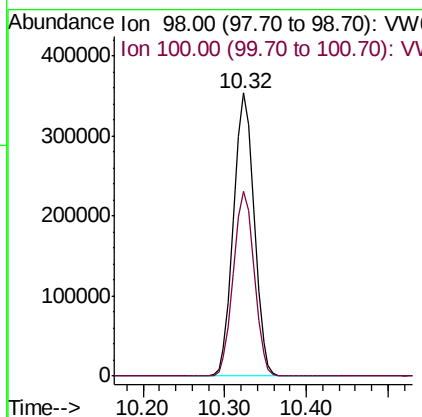
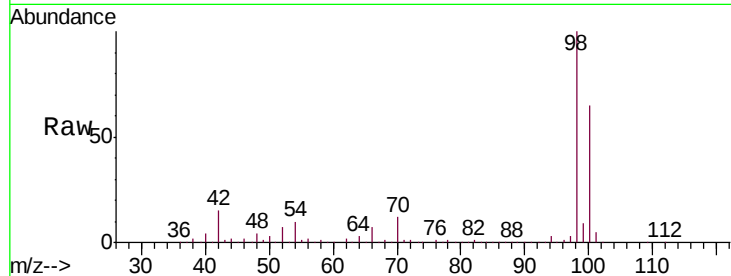




#50
Toluene-d8
Concen: 54.169 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012010.D
Acq: 20 Aug 2019 00:21

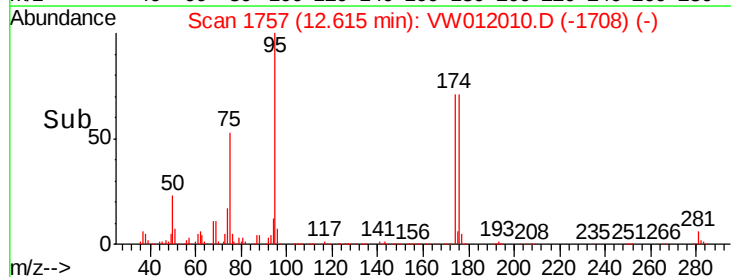
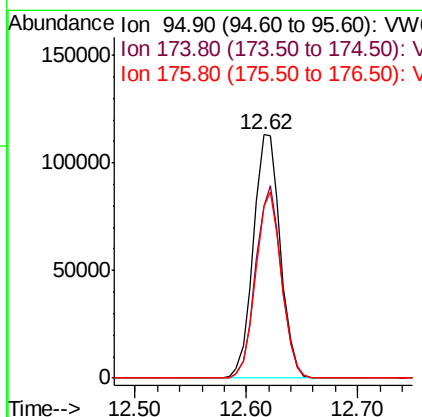
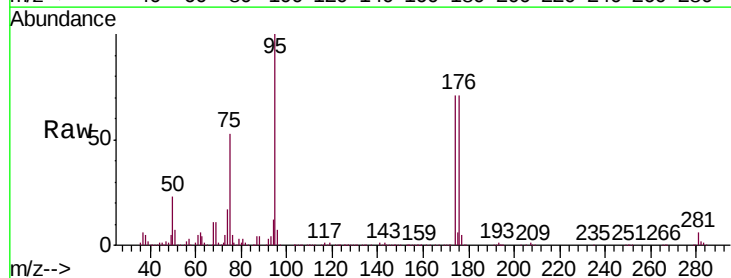
Instrument :
MSVOA_W
ClientSampleId :
T8-E2-(2)

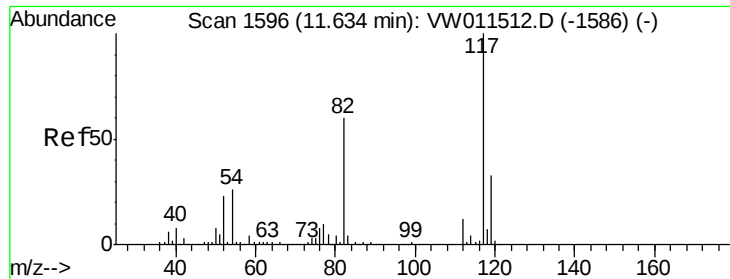
Tgt Ion: 98 Resp: 614760
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.133 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012010.D
Acq: 20 Aug 2019 00:21

Tgt Ion: 95 Resp: 190705
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.2
176 73.4 0.0 144.4

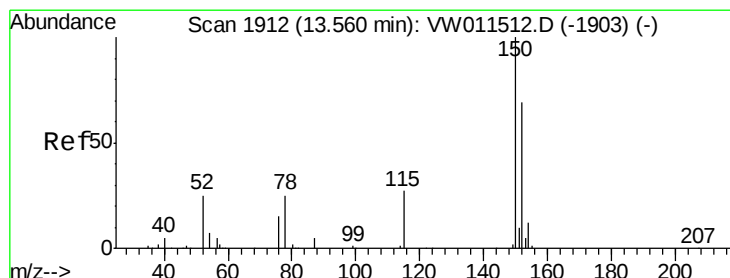
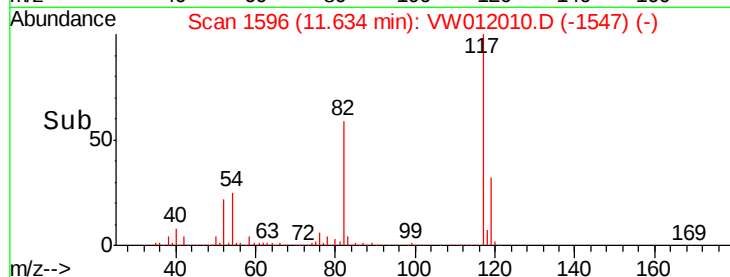
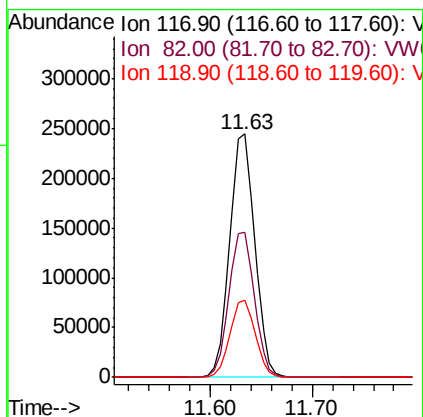
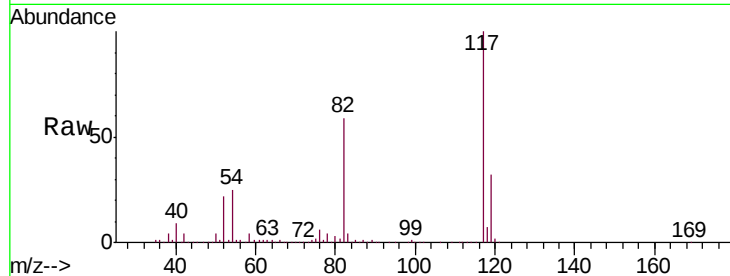




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012010.D
Acq: 20 Aug 2019 00:21

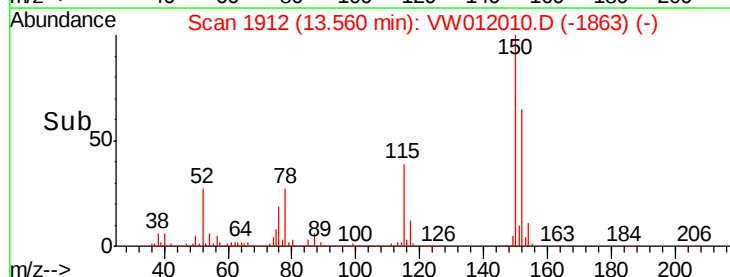
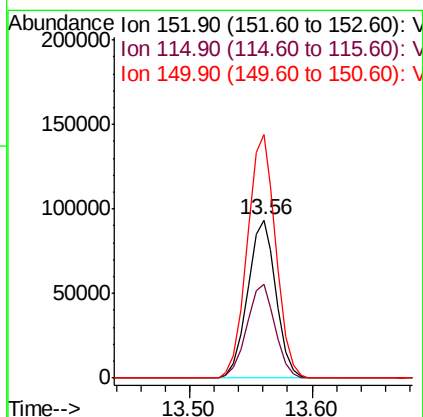
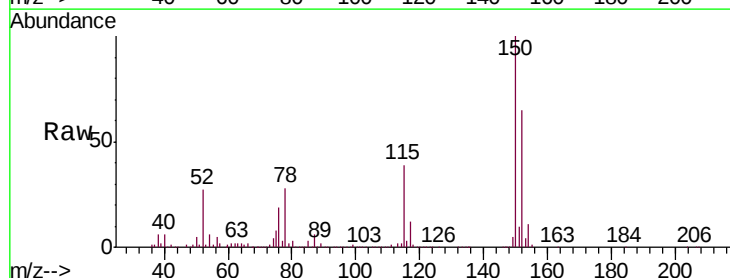
Instrument :
MSVOA_W
ClientSampleId :
T8-E2-(2)

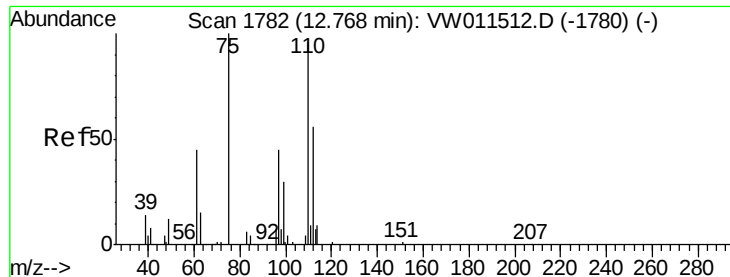
Tgt Ion:117 Resp: 414905
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012010.D
Acq: 20 Aug 2019 00:21

Tgt Ion:152 Resp: 149392
Ion Ratio Lower Upper
152 100
115 59.8 30.5 91.5
150 155.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 63.264 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

Instrument :

MSVOA_W

ClientSampleId :

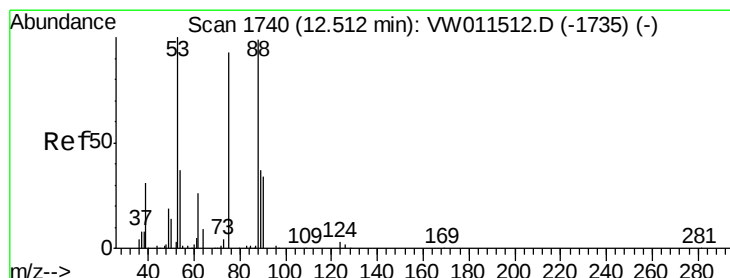
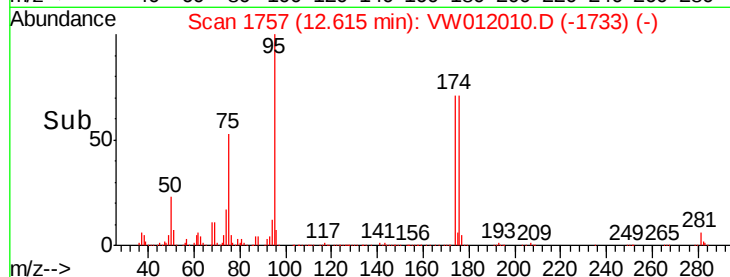
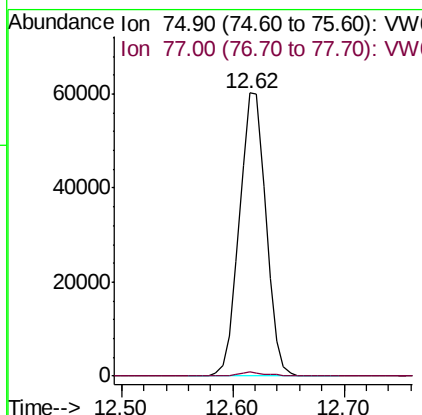
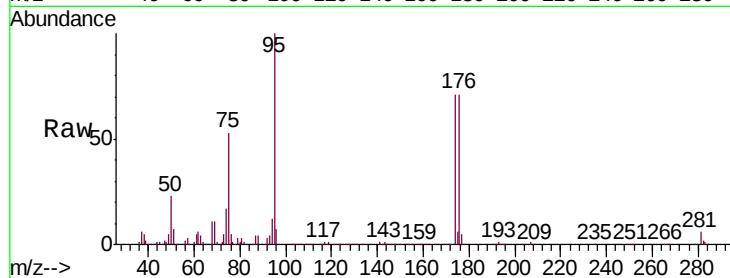
T8-E2-(2)

Tgt Ion: 75 Resp: 100004

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.802 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012010.D

Acq: 20 Aug 2019 00:21

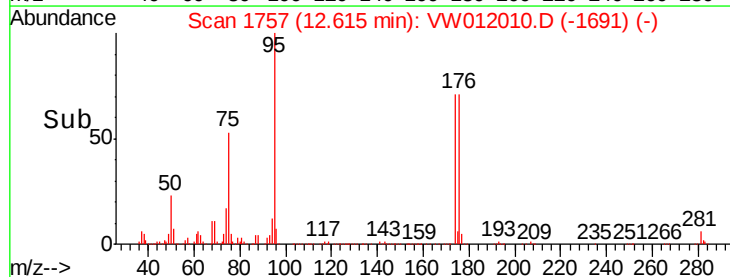
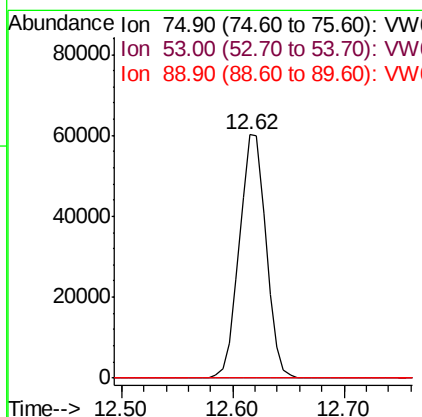
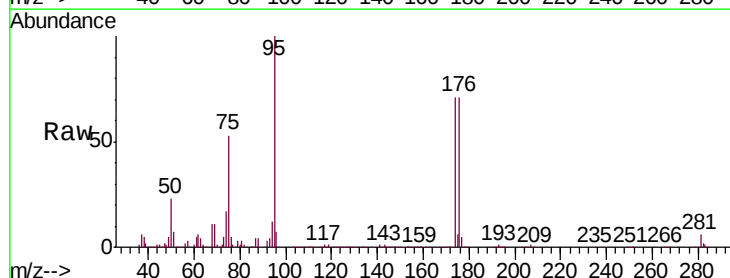
Tgt Ion: 75 Resp: 100004

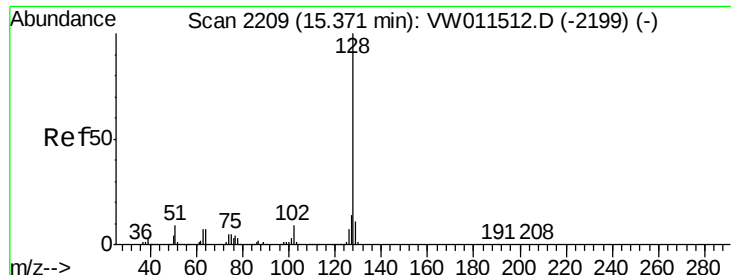
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#

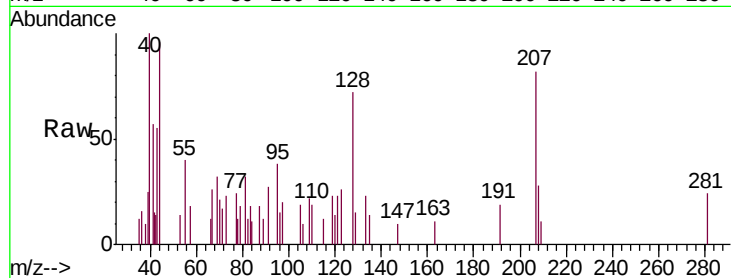




#95
Naphthalene
Concen: 2.203 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012010.D
Acq: 20 Aug 2019 00:21

Instrument :
MSVOA_W
ClientSampleId :
T8-E2-(2)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	8.3	8.6	13.0#



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

