

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011982.D
 Acq On : 19 Aug 2019 11:14
 Operator : SY/VA
 Sample : K4385-02
 Misc : 6.23G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 11:46:42 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	223205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75963	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	139170	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.88	113	114690	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
50) Toluene-d8	10.32	98	433790	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	111747	36.89	ug/l	0.00
Spiked Amount			Recovery	=	73.78%	

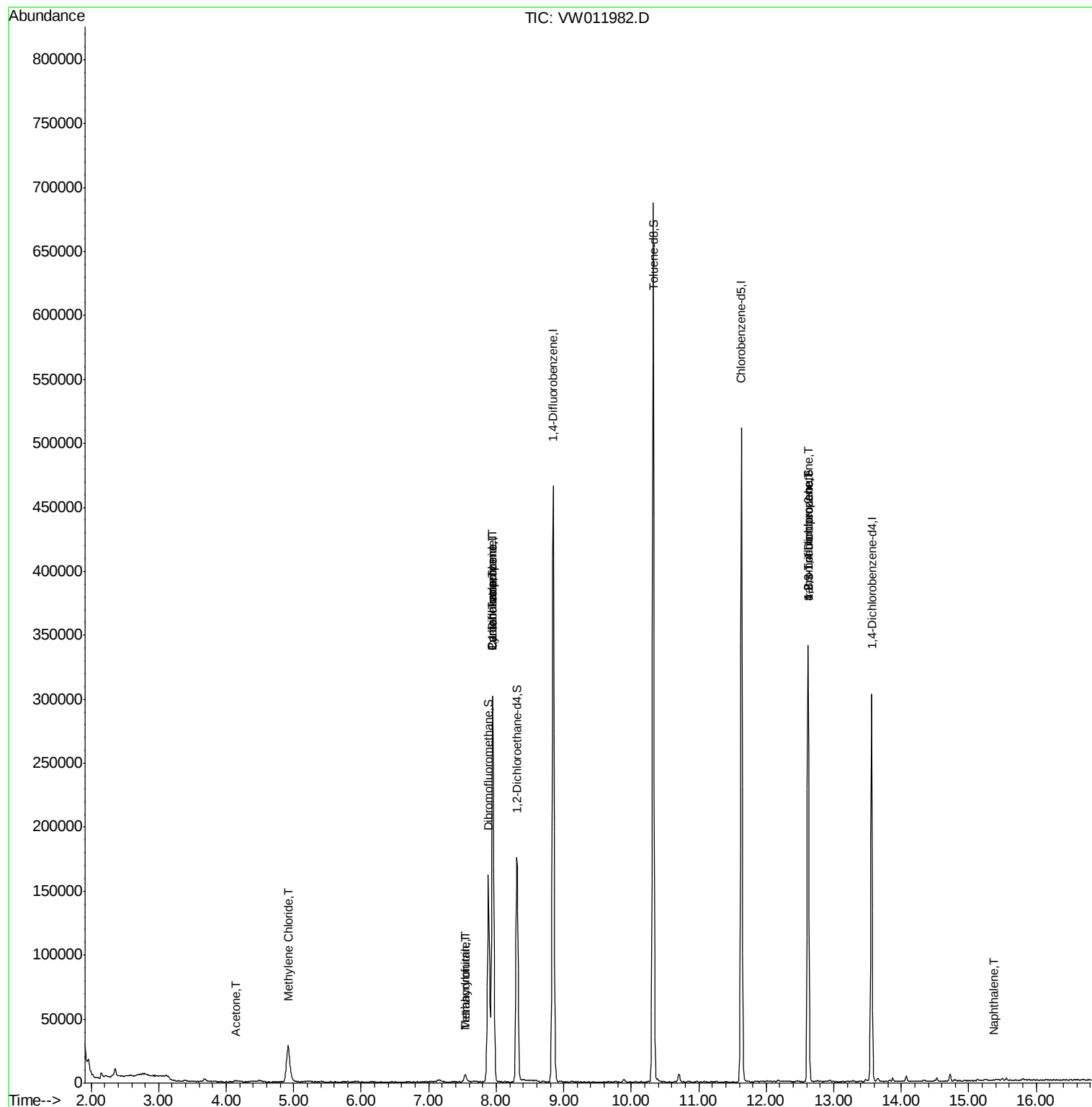
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	98	Below Cal	#	72
16) Acetone	4.15	43	2182	2.676	ug/l	95
20) Methylene Chloride	4.92	84	22157	7.880	ug/l	98
29) Tetrahydrofuran	7.54	42	5474	8.977	ug/l	99
31) Cyclohexane	7.95	56	5386	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19191	4.989	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22392	6.800	ug/l #	17
41) Methacrylonitrile	7.54	41	3501	2.646	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	58592	72.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58592	168.000	ug/l #	6
95) Naphthalene	15.36	128	553	2.243	ug/l #	69

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

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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: VW011982.D

Acq: 19 Aug 2019 11:14

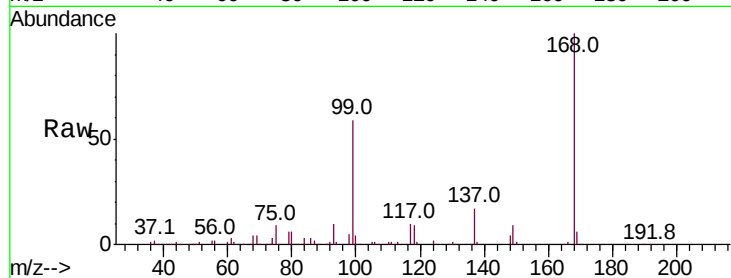
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 223205

Ion Ratio Lower Upper

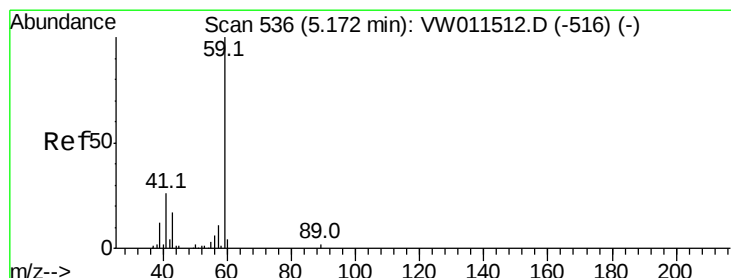
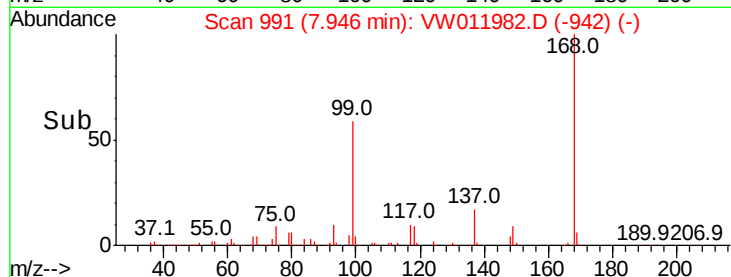
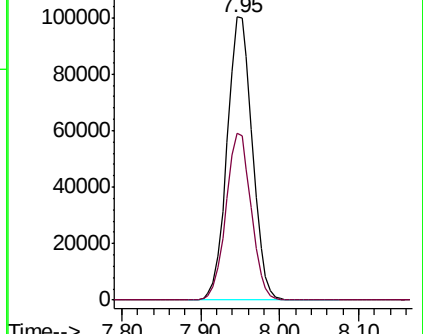
168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011982.D

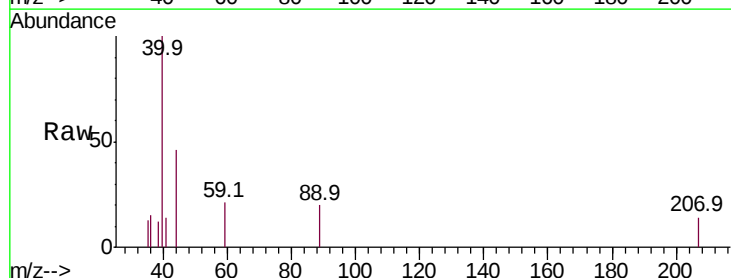
Acq: 19 Aug 2019 11:14

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

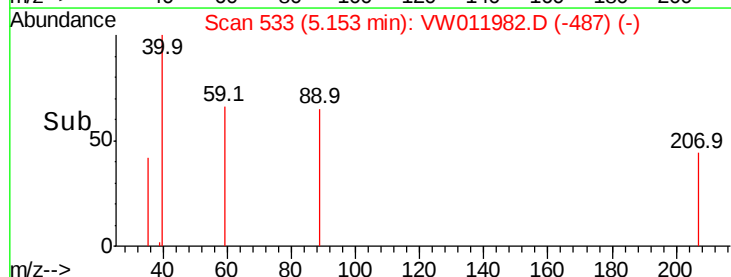
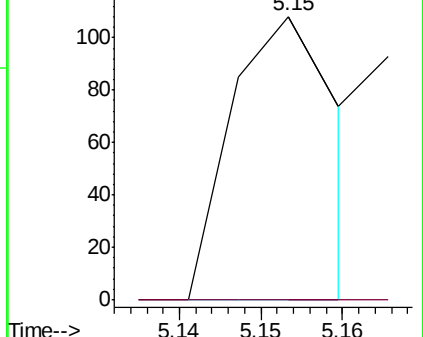
59 100

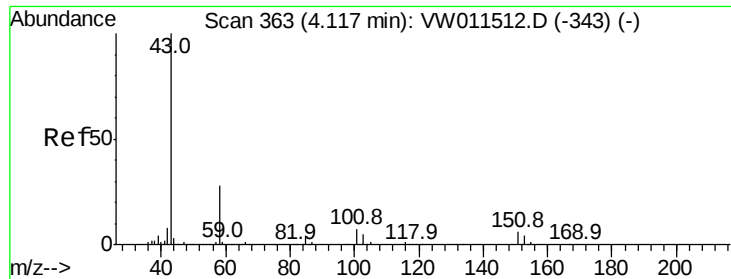
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

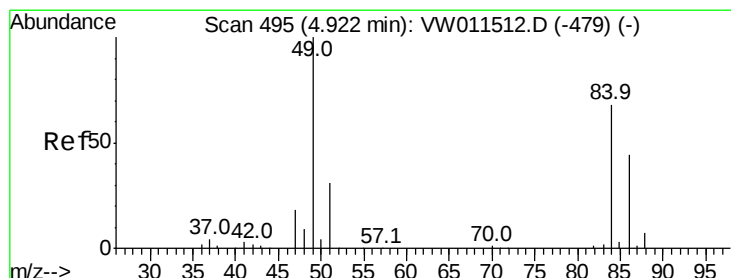
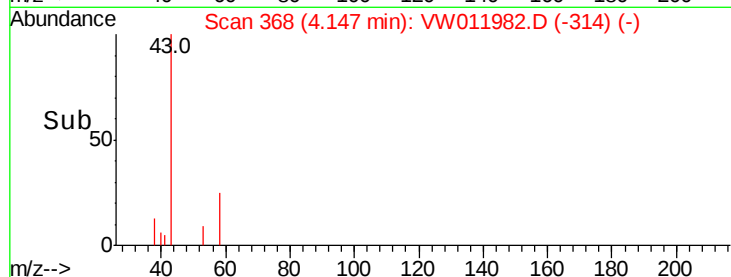
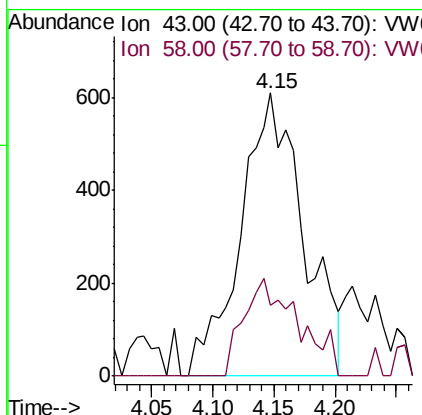
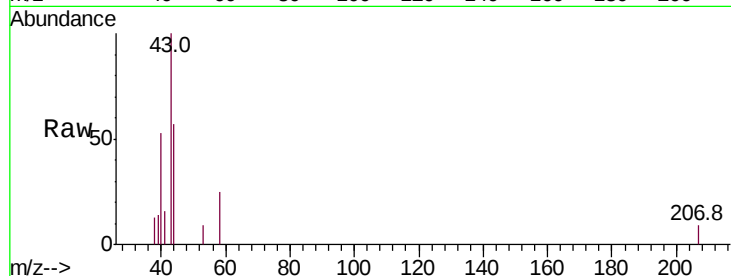




#16
Acetone
Concen: 2.676 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

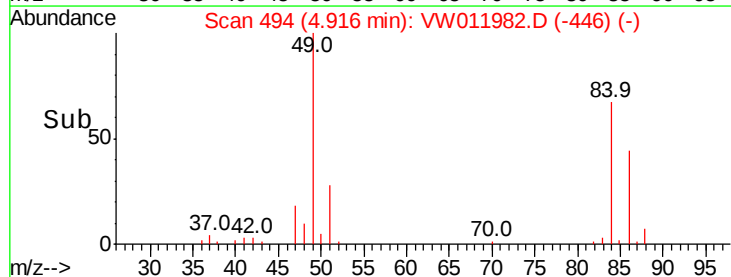
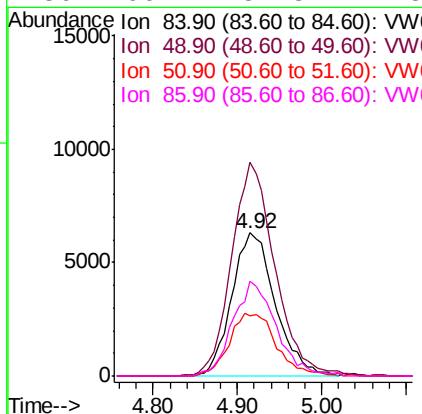
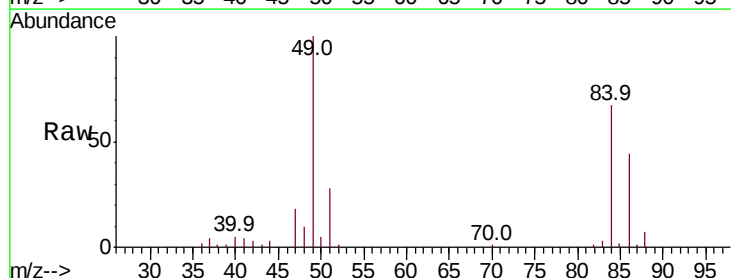
Instrument :
MSVOA_W
ClientSampled :

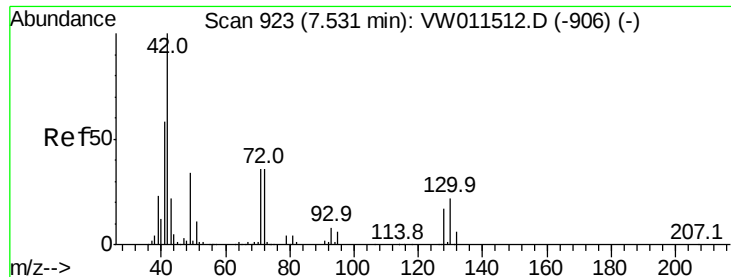
Tot Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
58 25.1 22.3 33.5



#20
Methylene Chloride
Concen: 7.880 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

Tgt Ion: 84 Resp: 22157
Ion Ratio Lower Upper
84 100
49 148.1 117.8 176.6
51 41.9 37.0 55.4
86 66.2 51.8 77.8

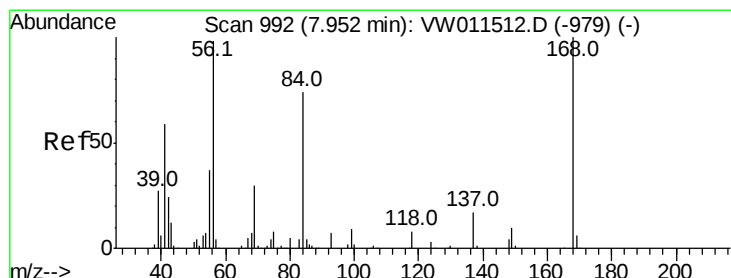
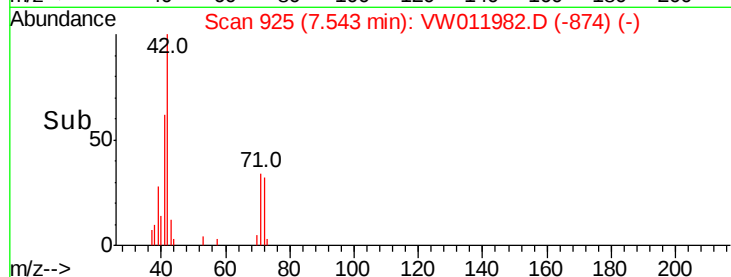
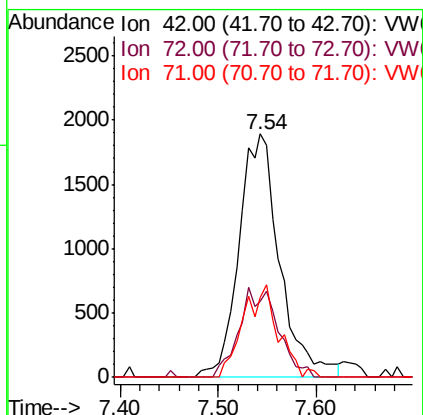
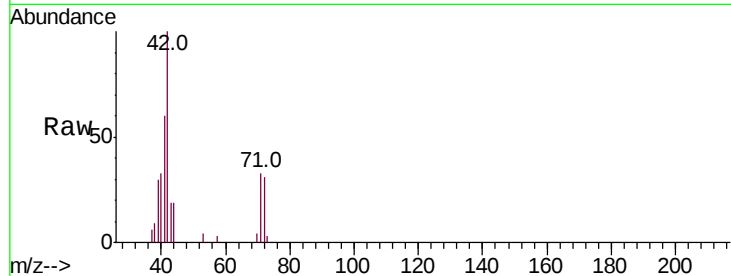




#29
Tetrahydrofuran
Concen: 8.977 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

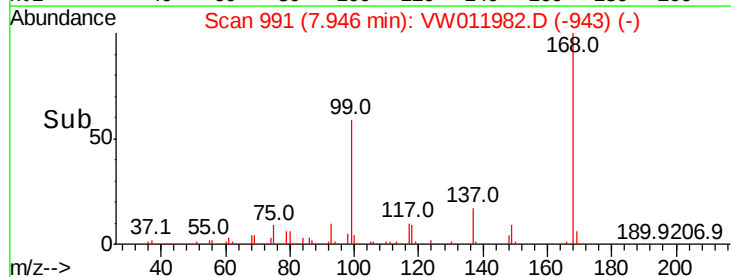
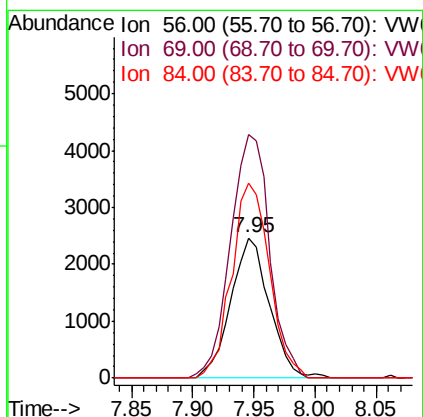
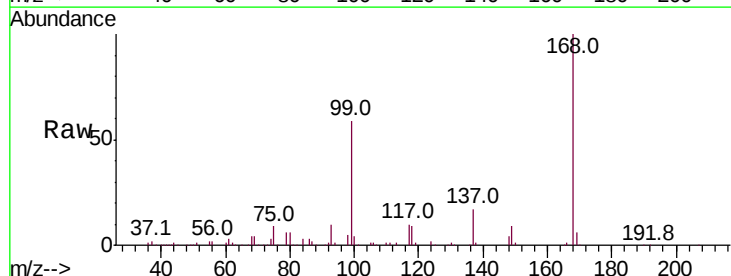
Instrument :
MSVOA_W
ClientSampled :

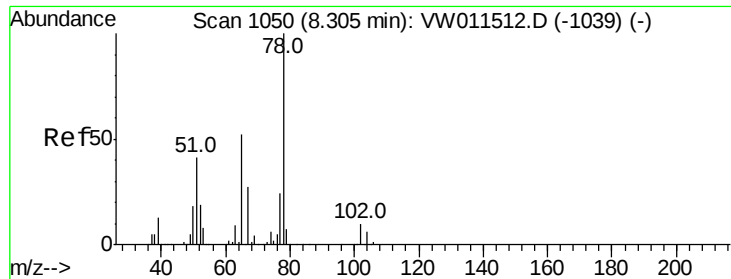
Tot Ion: 42 Resp: 5474
Ion Ratio Lower Upper
42 100
72 35.0 27.1 40.7
71 33.0 26.2 39.4



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

Tgt Ion: 56 Resp: 5386
Ion Ratio Lower Upper
56 100
69 173.6 24.3 36.5#
84 139.4 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 54.299 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

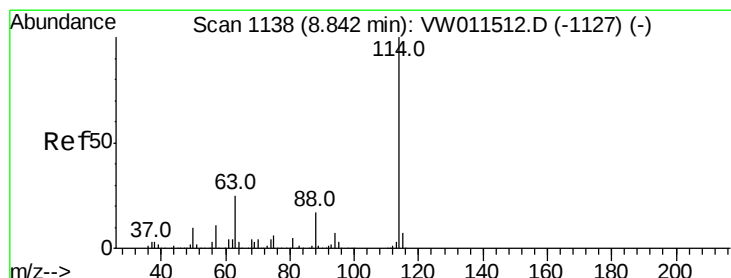
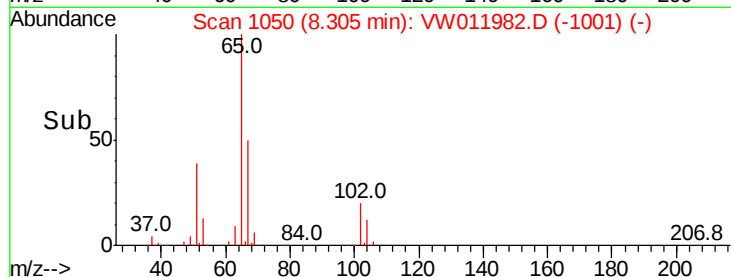
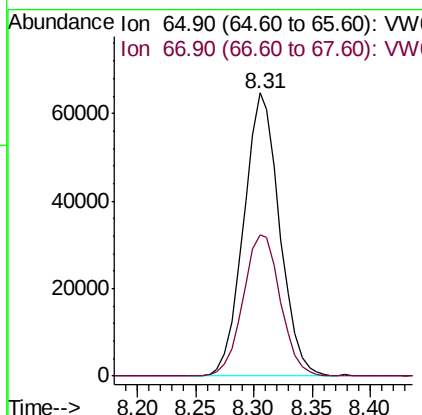
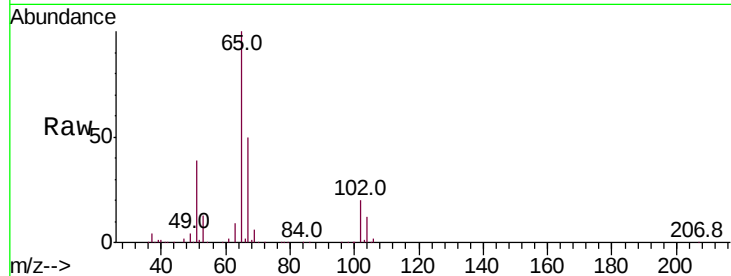
Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 139170

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

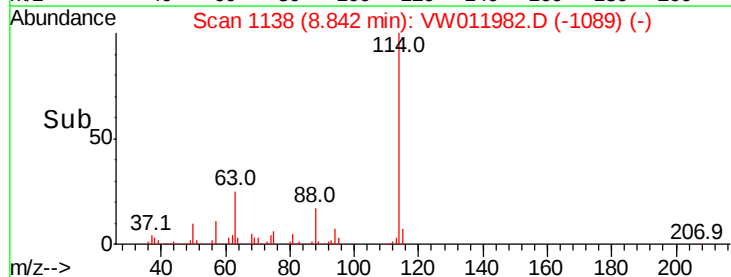
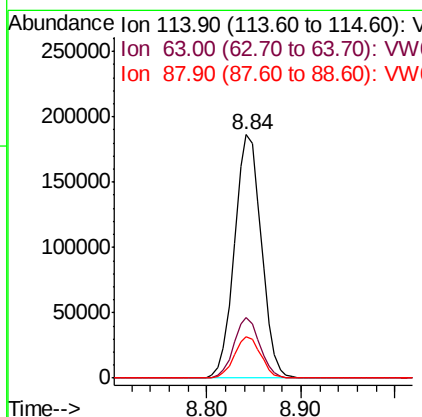
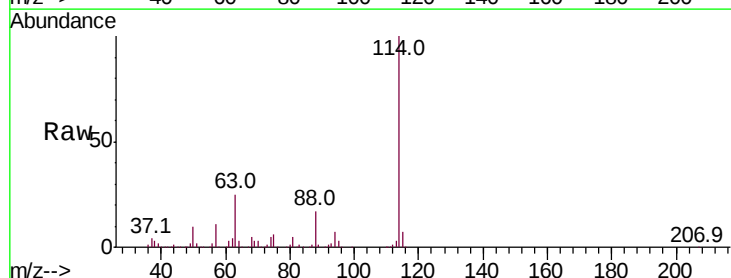
Delta R.T. 0.00 min

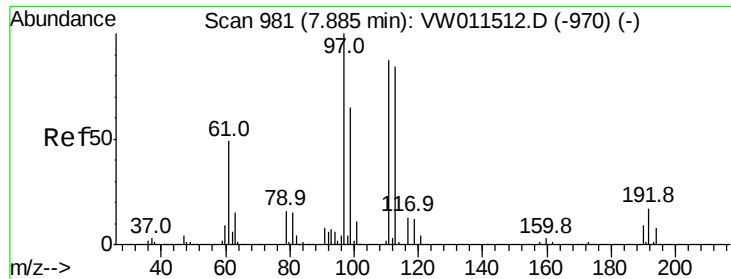
Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Tgt Ion: 114 Resp: 369925

Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	17.1	0.0	33.8

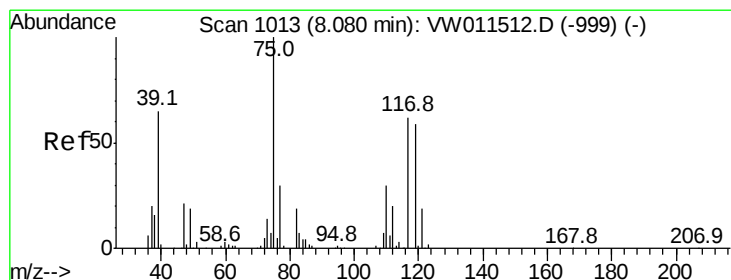
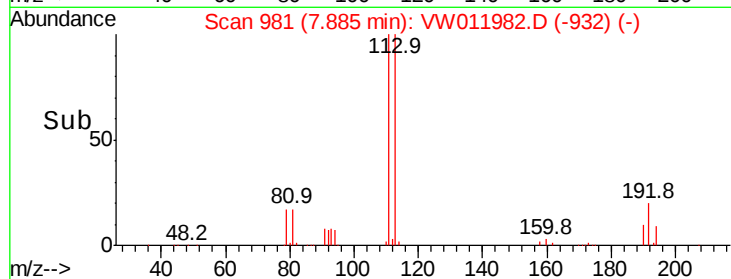
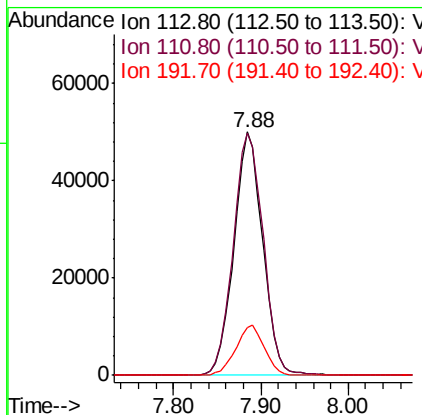
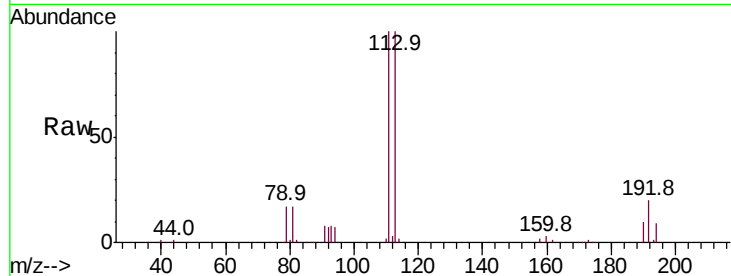




#35
 Dibromofluoromethane
 Concen: 55.263 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011982.D
 Acq: 19 Aug 2019 11:14

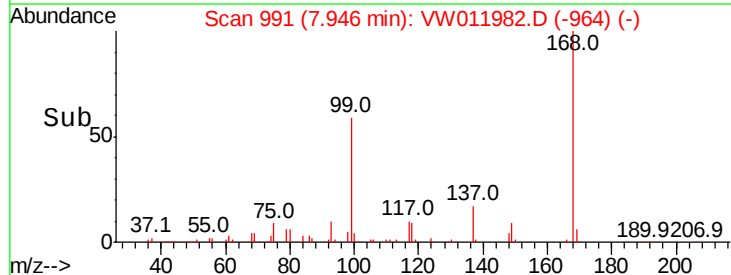
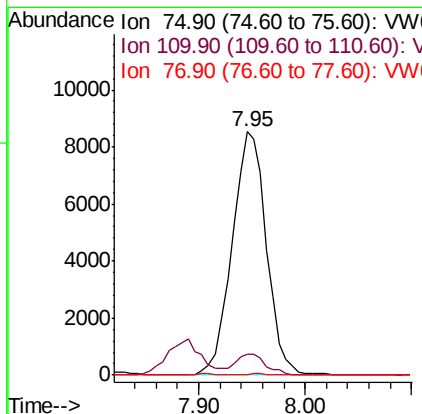
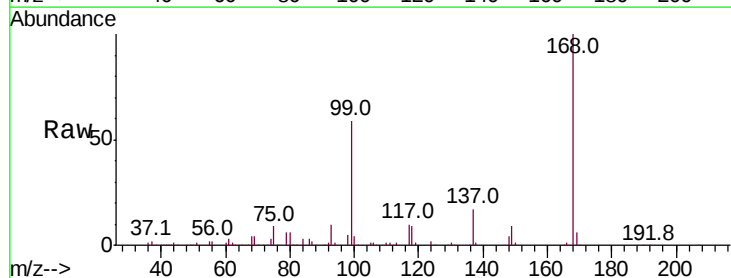
Instrument :
 MSVOA_W
 ClientSampleId :

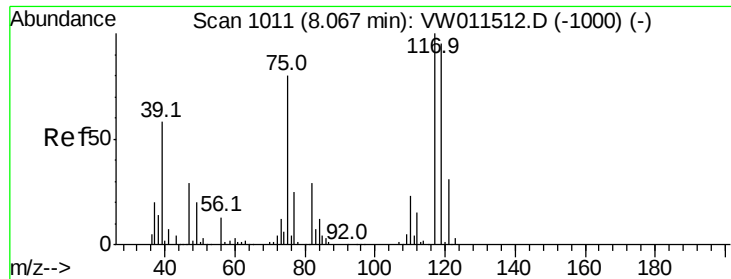
Tot Ion:113 Resp: 114690
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011982.D
 Acq: 19 Aug 2019 11:14

Tgt Ion: 75 Resp: 19191
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.8#
 77 0.2 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

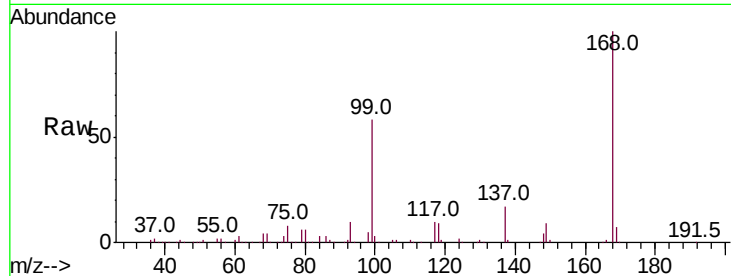
Tot Ion:117 Resp: 22392

Ion Ratio Lower Upper

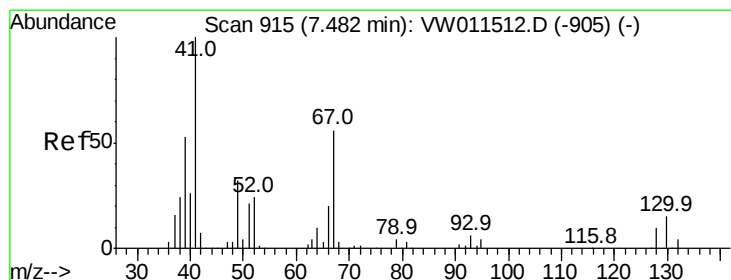
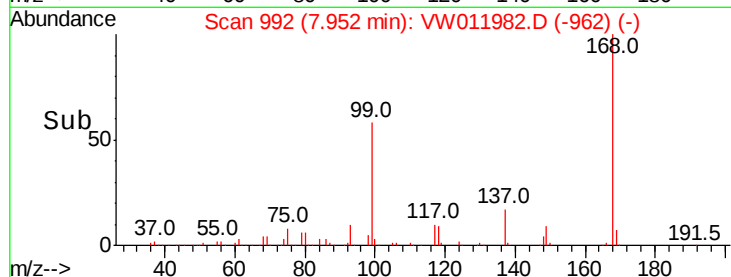
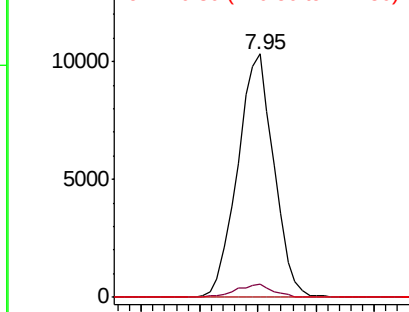
117 100

119 5.2 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: 2.646 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Tgt Ion: 41 Resp: 3501

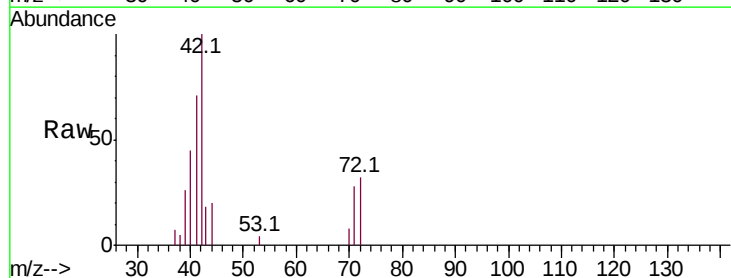
Ion Ratio Lower Upper

41 100

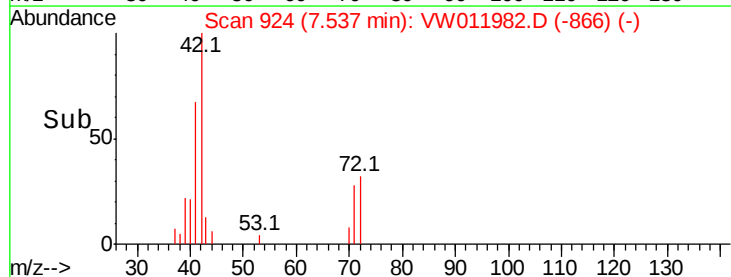
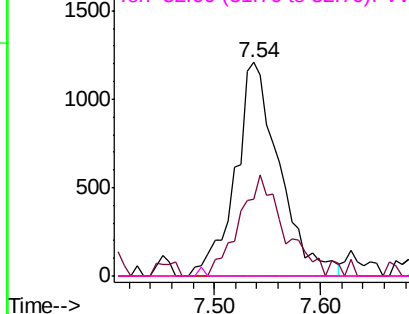
39 47.3 43.0 64.4

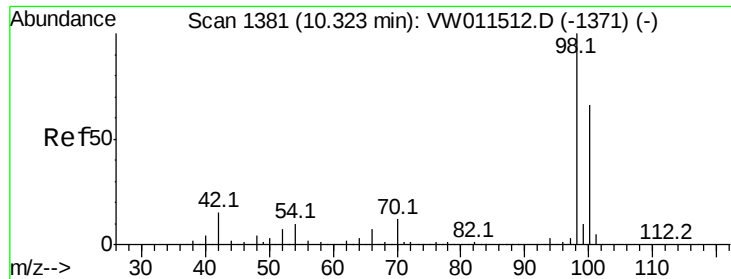
67 0.0 47.5 71.3#

52 0.0 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: 51.052 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Instrument :

MSVOA_W

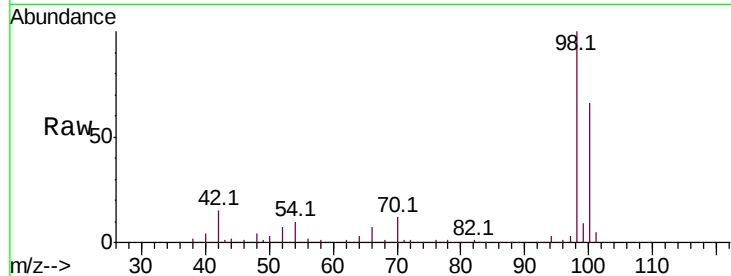
ClientSampled :

Tot Ion: 98 Resp: 433790

Ion Ratio Lower Upper

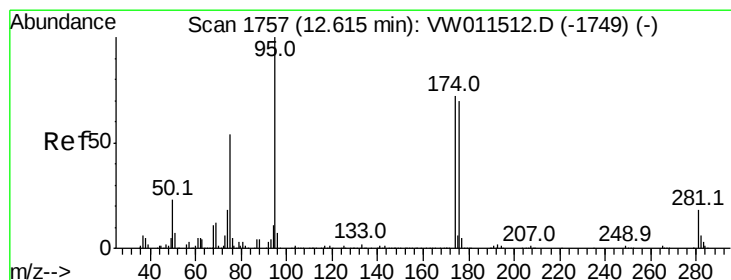
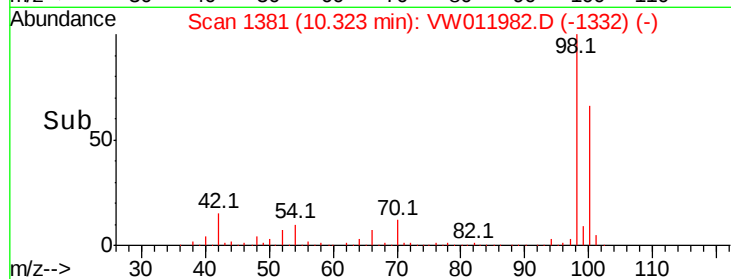
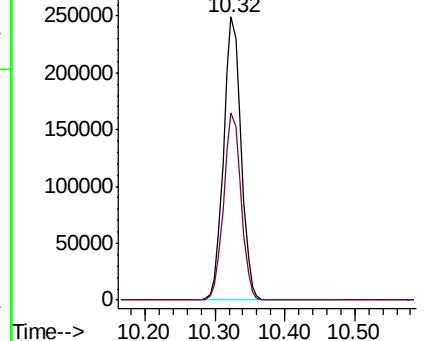
98 100

100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 36.888 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

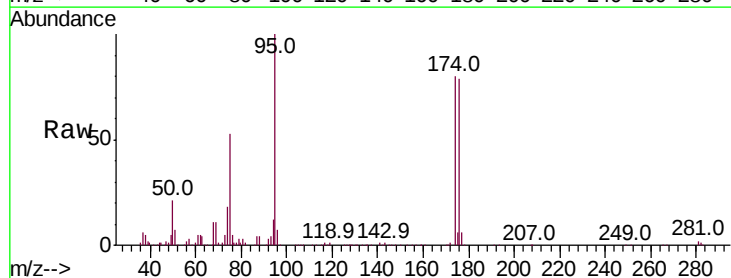
Tgt Ion: 95 Resp: 111747

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.2

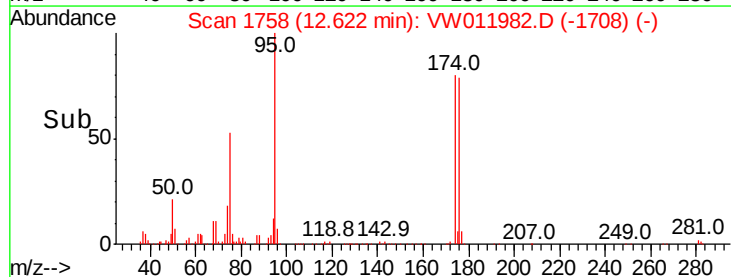
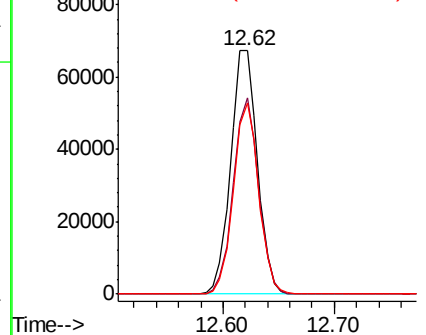
176 74.4 0.0 144.4

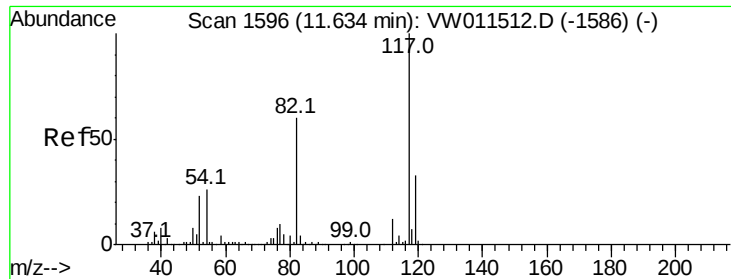


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

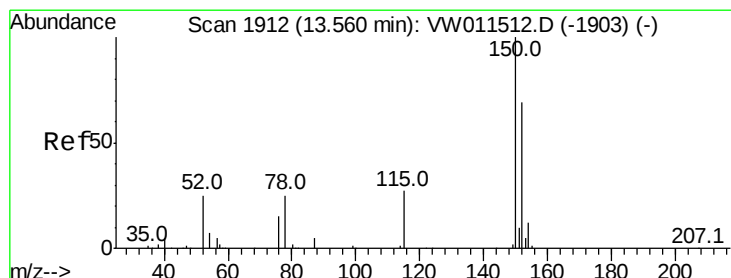
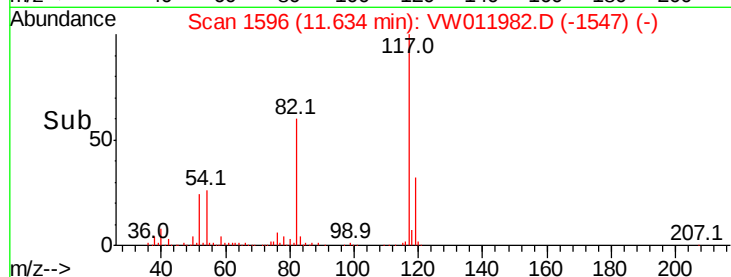
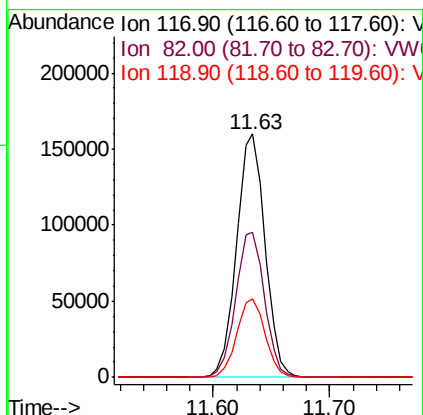
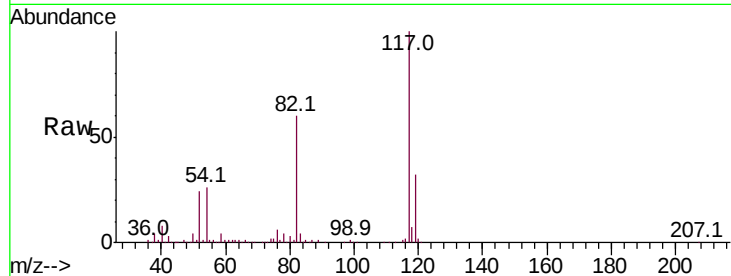




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

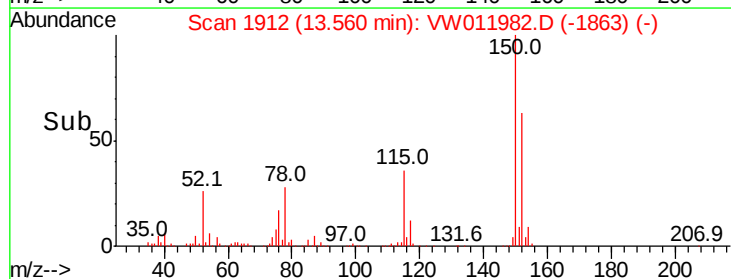
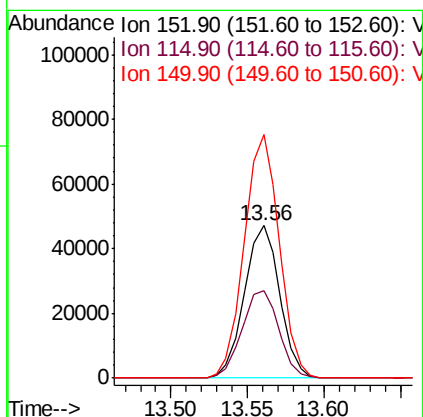
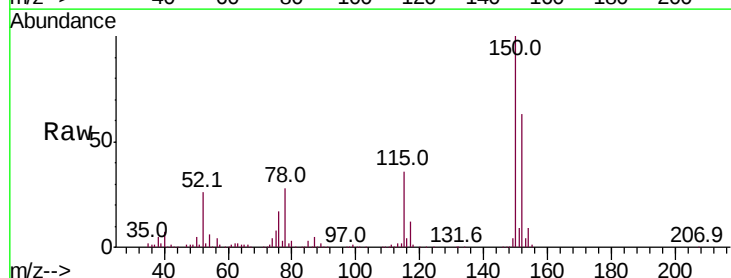
Instrument :
MSVOA_W
ClientSampleId :

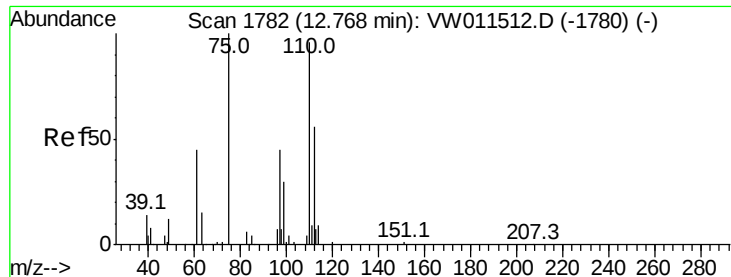
Tot Ion:117 Resp: 272516
Ion Ratio Lower Upper
117 100
82 59.5 47.9 71.9
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

Tgt Ion:152 Resp: 75963
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 157.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 72.896 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

Instrument :

MSVOA_W

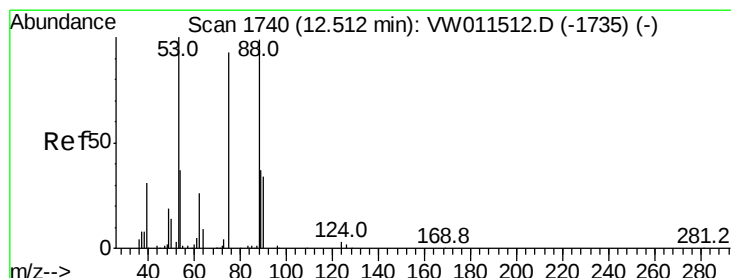
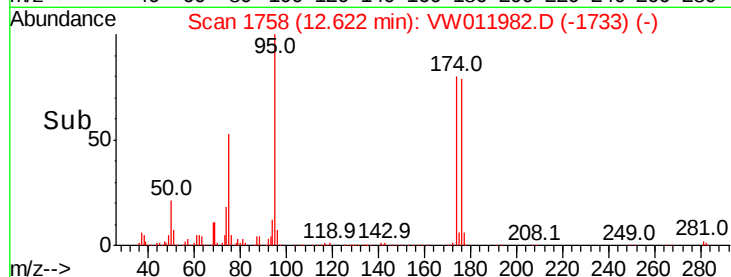
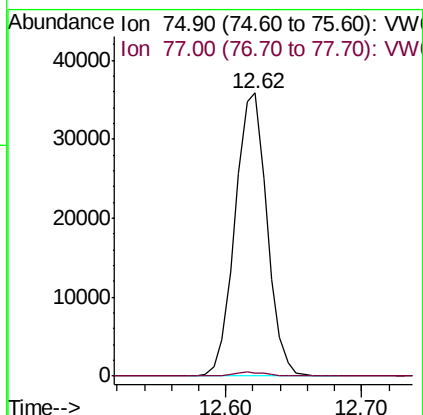
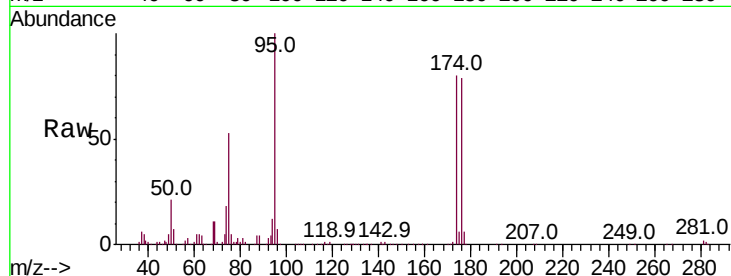
ClientSampleId :

Tot Ion: 75 Resp: 58592

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 168.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011982.D

Acq: 19 Aug 2019 11:14

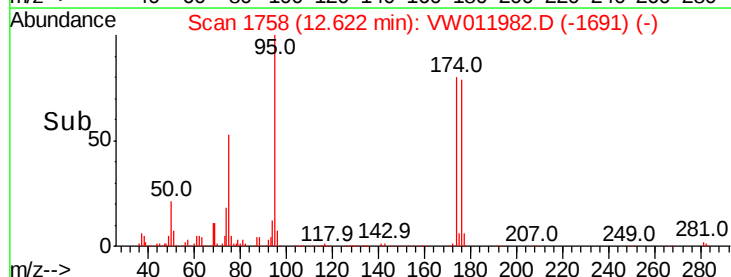
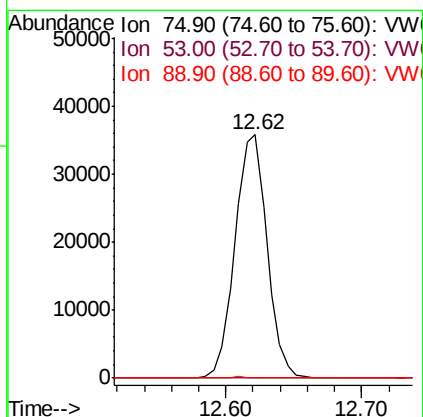
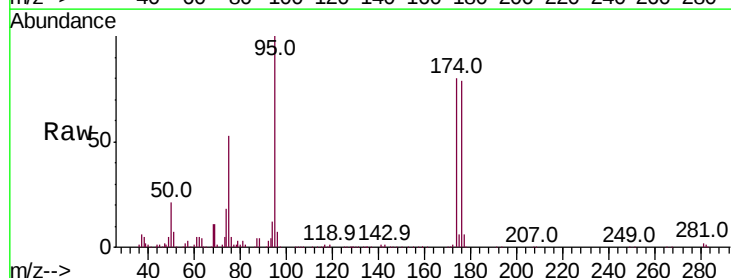
Tgt Ion: 75 Resp: 58592

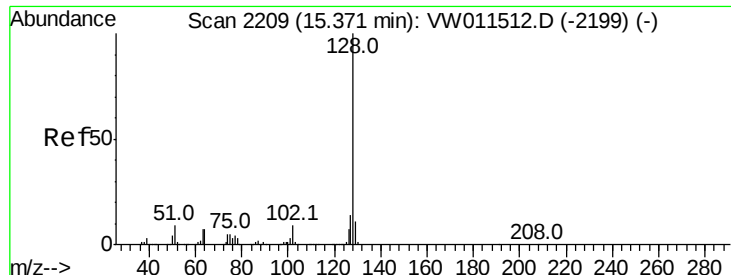
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.243 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011982.D
Acq: 19 Aug 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 553
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

