

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013475.D
 Acq On : 07 Oct 2019 20:21
 Operator : SY/VA
 Sample : K5147-01
 Misc : 4.54G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 08 10:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	186579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134095	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	139506	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.32	98	583269	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	183741	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	

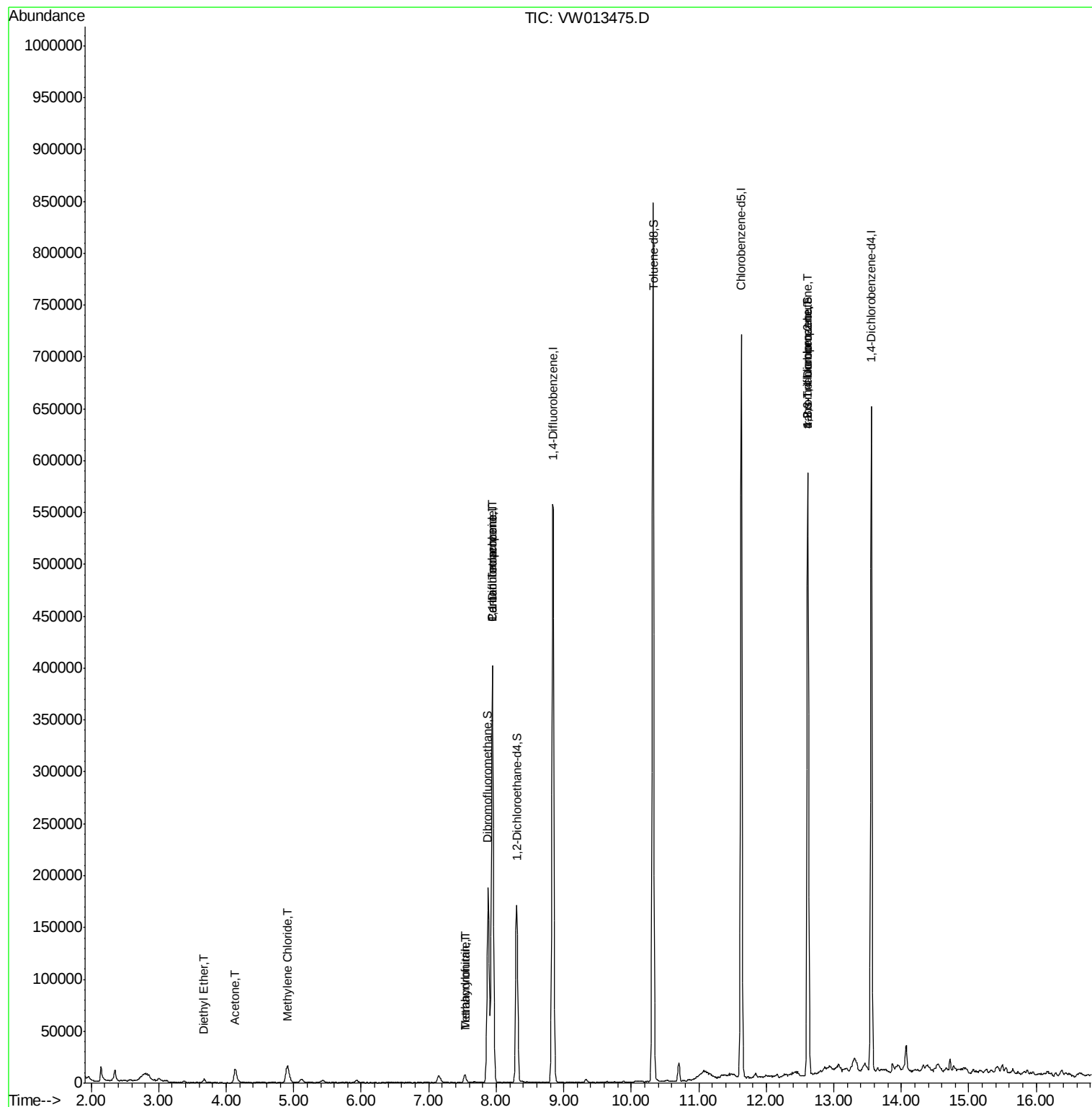
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1772	1.136	ug/l	90
11) Tert butyl alcohol	5.12	59	3035	Below Cal	#	73
16) Acetone	4.13	43	25791	32.851	ug/l	93
20) Methylene Chloride	4.91	84	14370	2.691	ug/l #	84
26) 2,2-Dichloropropane	7.14	77	446	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	6167	19.838	ug/l	94
36) 1,1-Dichloropropene	7.95	75	20386	4.311	ug/l #	49
38) Carbon Tetrachloride	7.94	117	28144	6.870	ug/l #	18
41) Methacrylonitrile	7.54	41	3807	3.025	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	84818	51.149	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84818	103.831	ug/l #	12

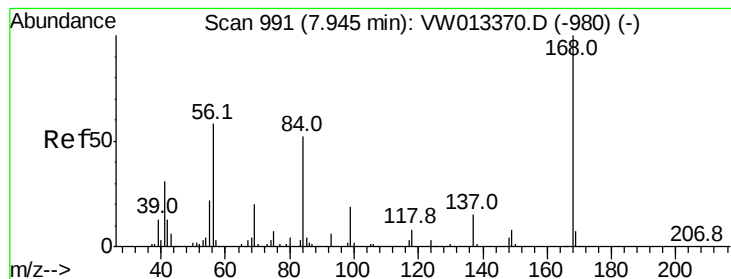
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013475.D

Acq: 07 Oct 2019 20:21

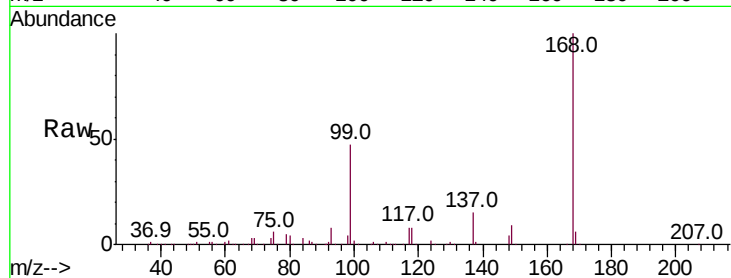
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 343034

Ion Ratio Lower Upper

168 100

99 46.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

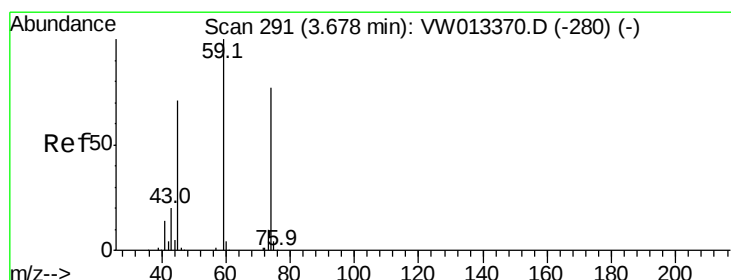
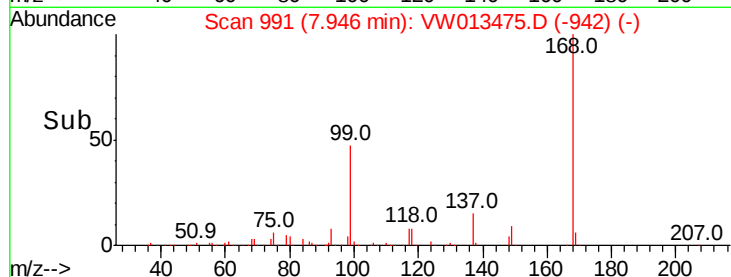
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.136 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013475.D

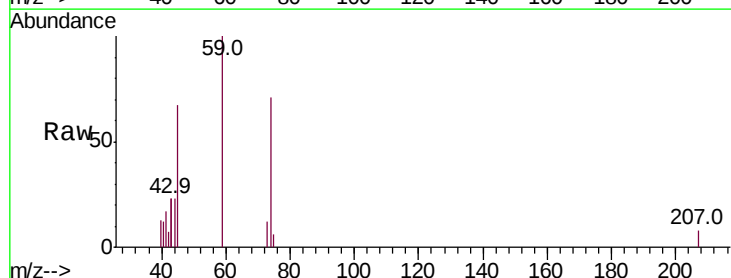
Acq: 07 Oct 2019 20:21

Tgt Ion: 74 Resp: 1772

Ion Ratio Lower Upper

74 100

45 108.8 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

600

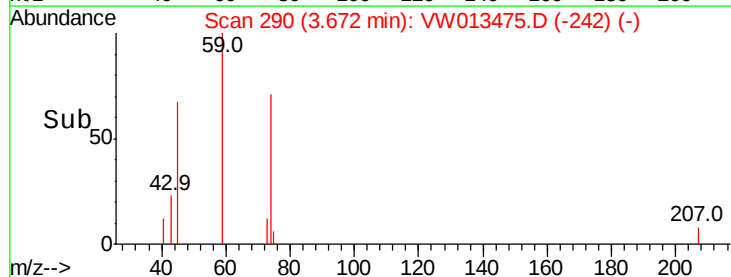
400

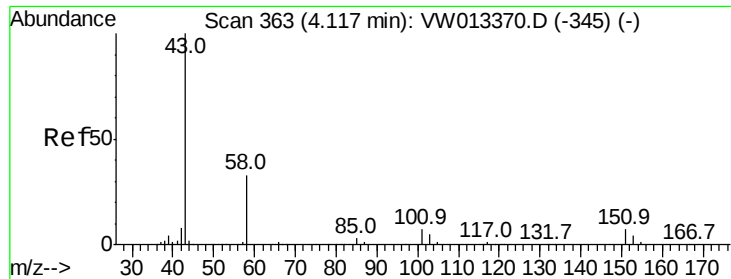
200

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 32.851 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Instrument :

MSVOA_W

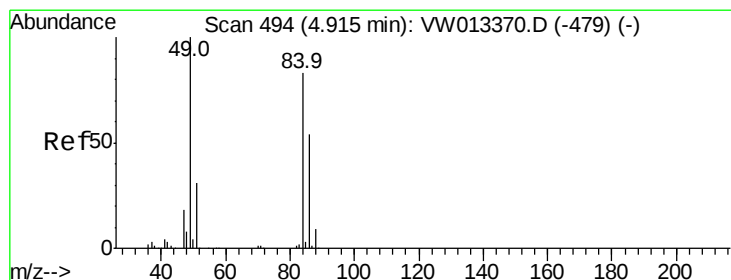
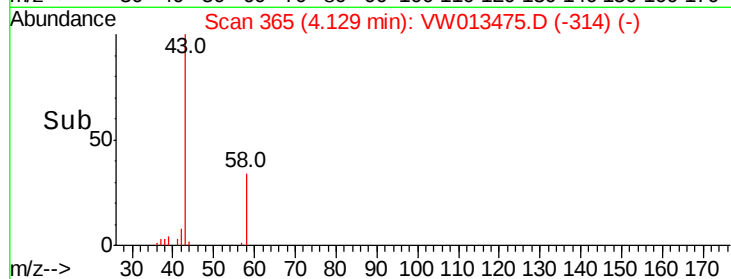
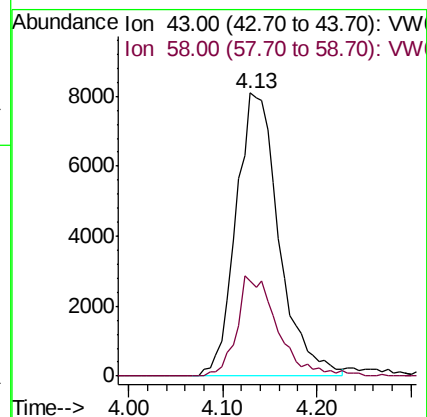
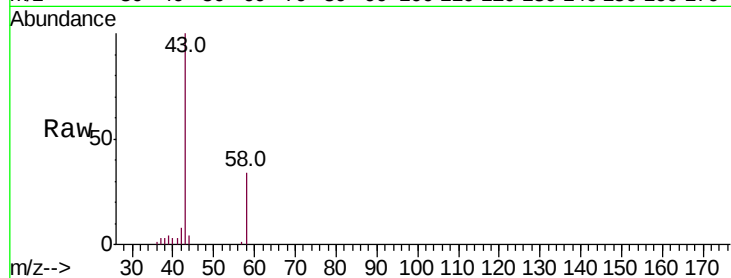
ClientSampled :

Tot Ion: 43 Resp: 25791

Ion Ratio Lower Upper

43 100

58 33.8 24.1 36.1



#20

Methylene Chloride

Concen: 2.691 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Tgt Ion: 84 Resp: 14370

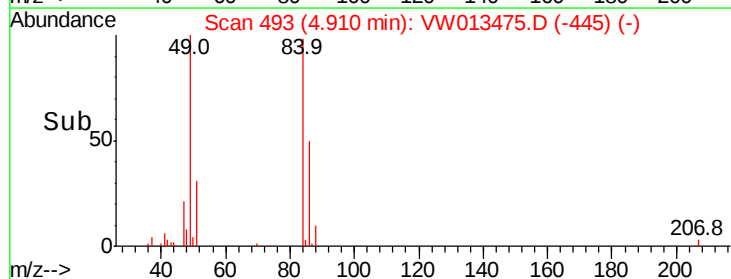
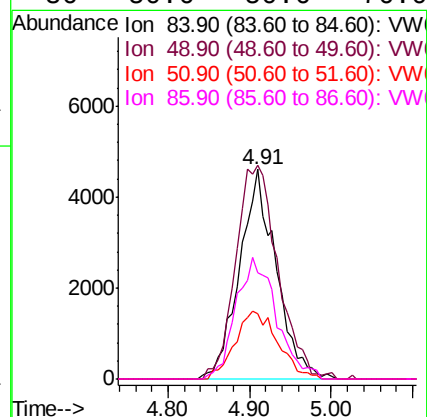
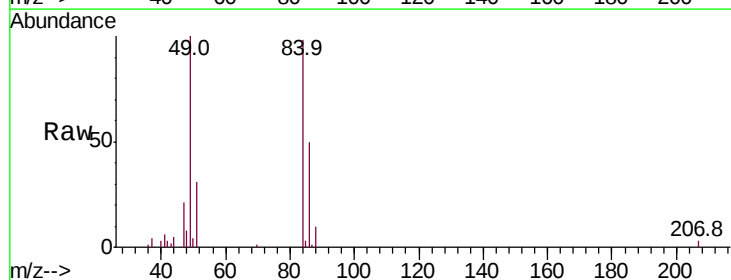
Ion Ratio Lower Upper

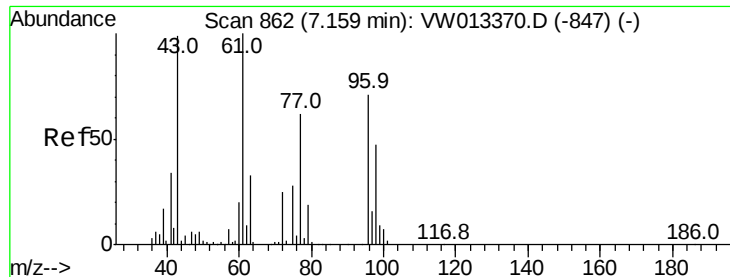
84 100

49 101.9 97.6 146.4

51 31.5 30.2 45.2

86 50.6 50.6 76.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

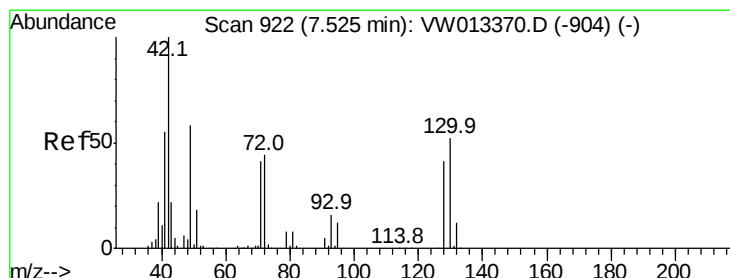
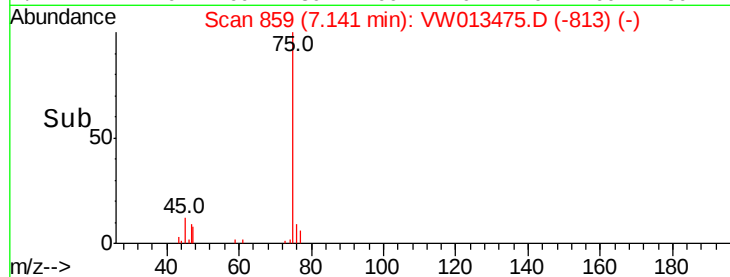
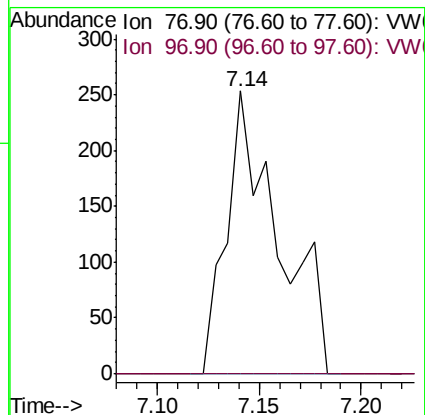
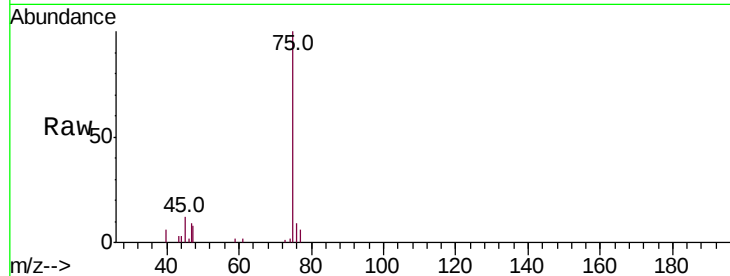
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 446

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#29

Tetrahydrofuran

Concen: 19.838 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

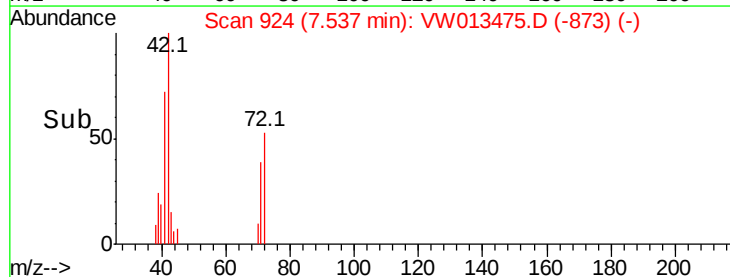
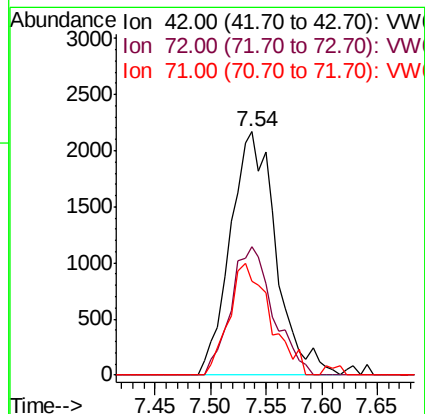
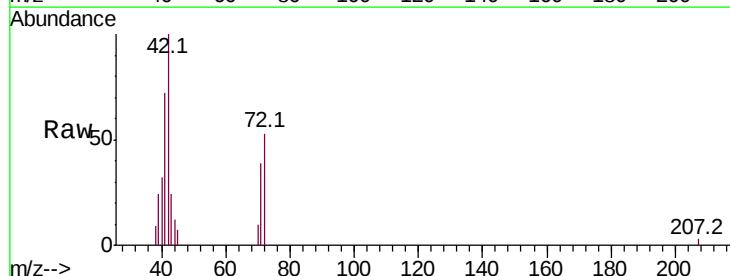
Tgt Ion: 42 Resp: 6167

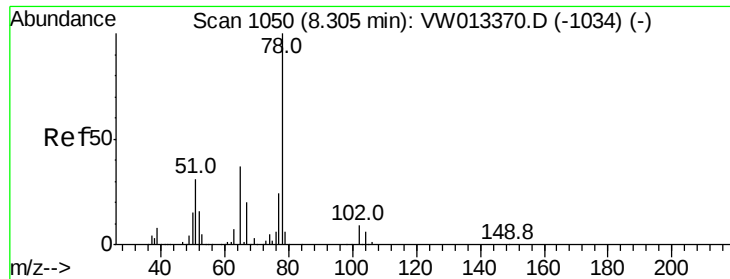
Ion Ratio Lower Upper

42 100

72 48.6 33.9 50.9

71 41.4 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 52.353 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

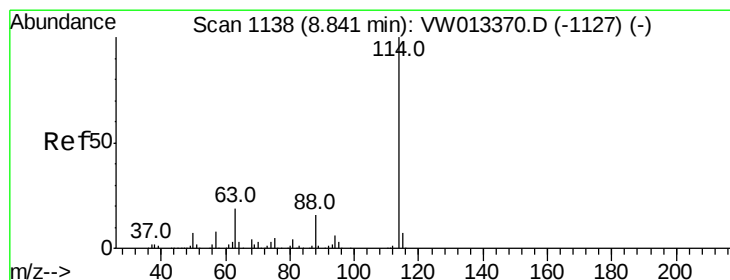
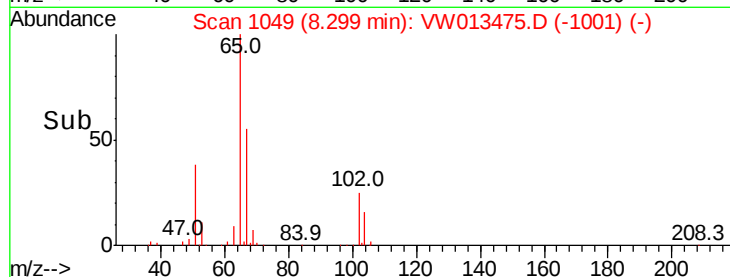
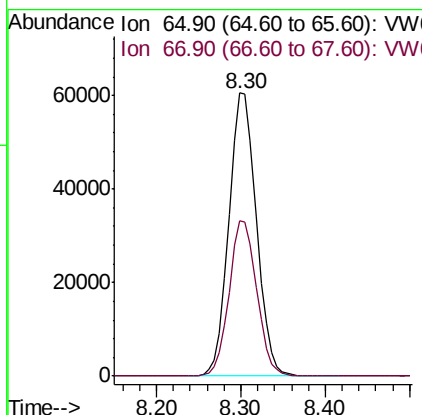
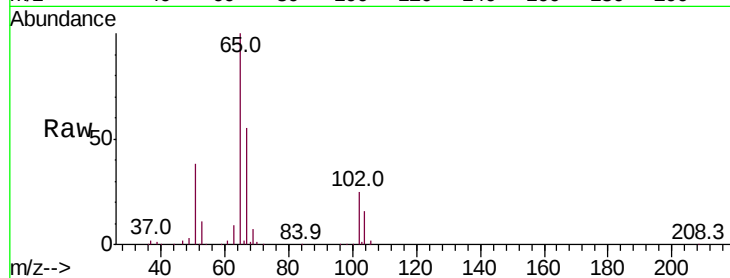
Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 134095

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

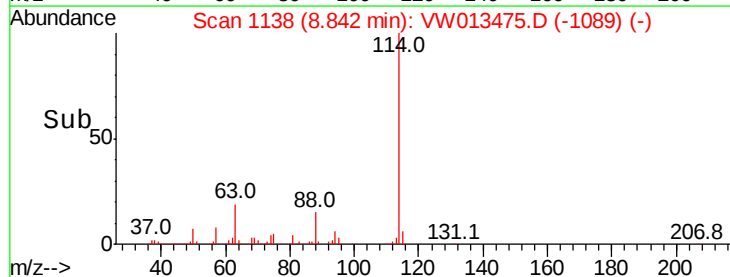
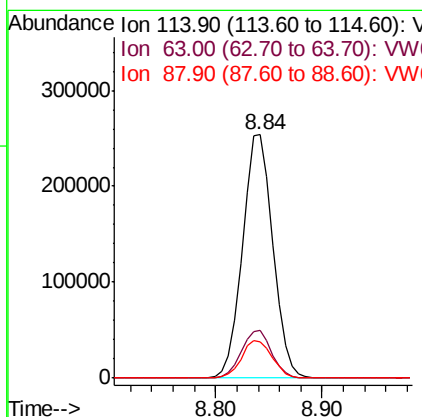
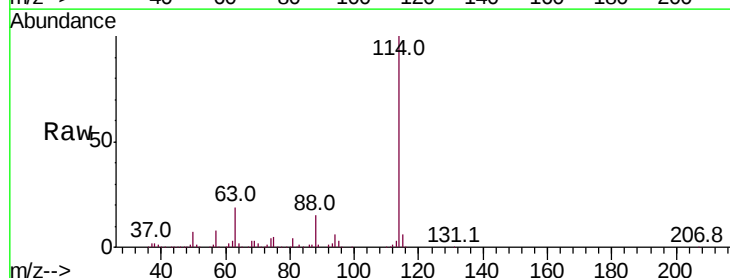
Delta R.T. 0.00 min

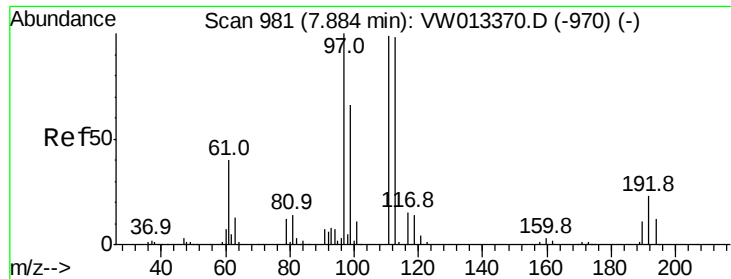
Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Tgt Ion: 114 Resp: 509135

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.4
88	15.0	0.0	32.0

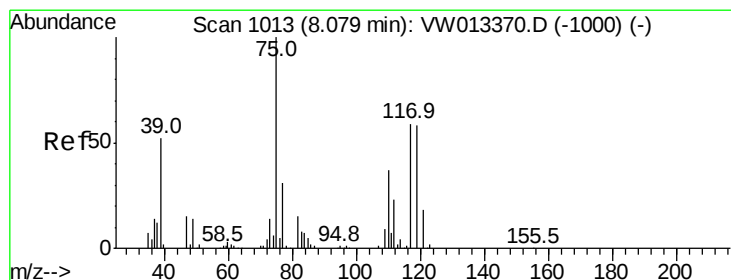
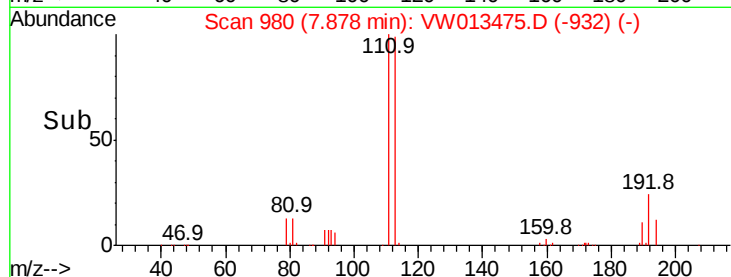
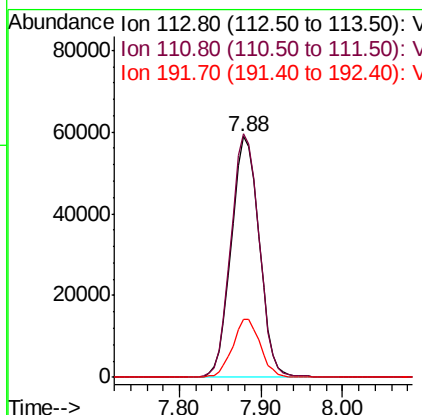
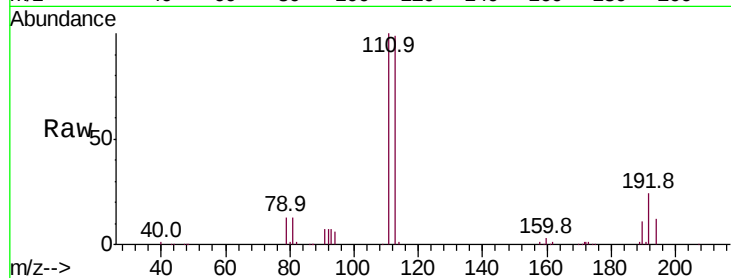




#35
 Dibromofluoromethane
 Concen: 52.219 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013475.D
 Acq: 07 Oct 2019 20:21

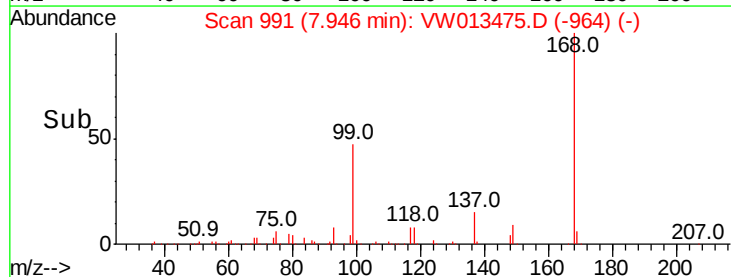
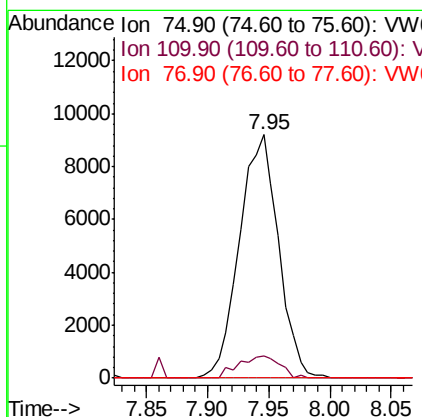
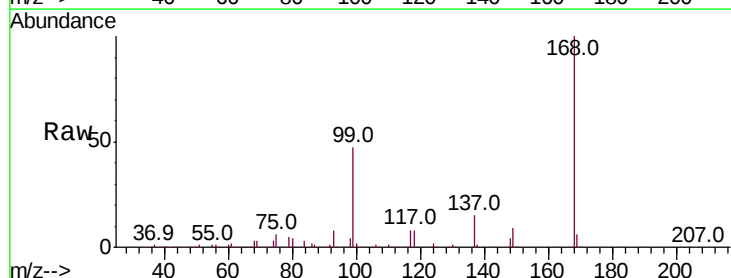
Instrument :
 MSVOA_W
 ClientSampleId :

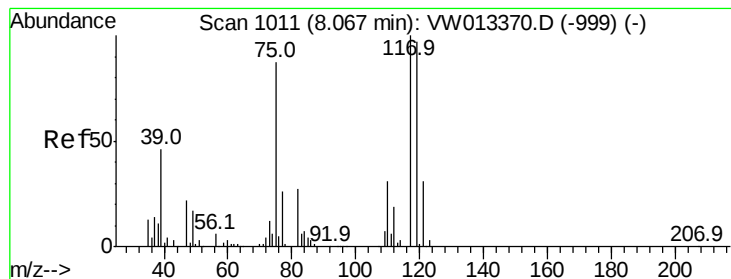
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	23.6	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.311 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013475.D
 Acq: 07 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.3#
77	0.0	25.8	38.6#





#38

Carbon Tetrachloride

Concen: 6.870 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Instrument :

MSVOA_W

ClientSampled :

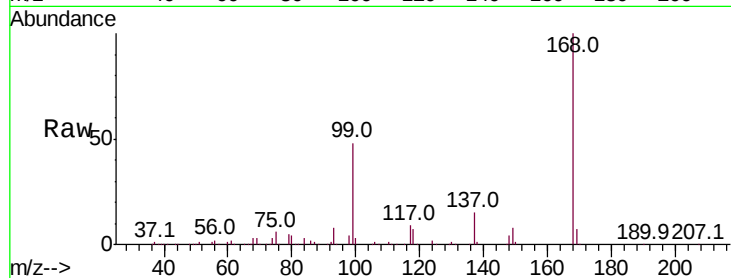
Tot Ion:117 Resp: 28144

Ion Ratio Lower Upper

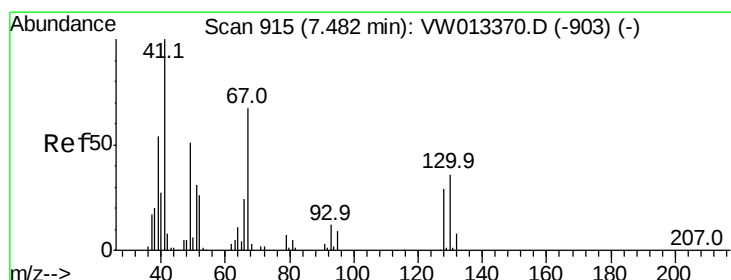
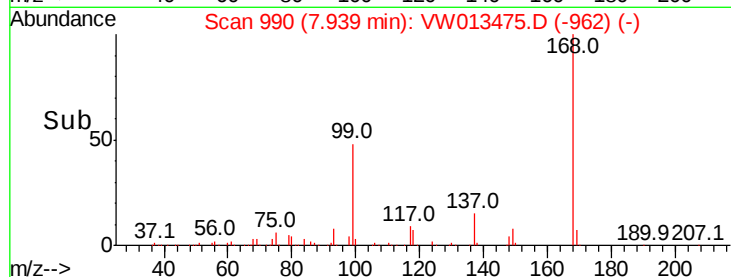
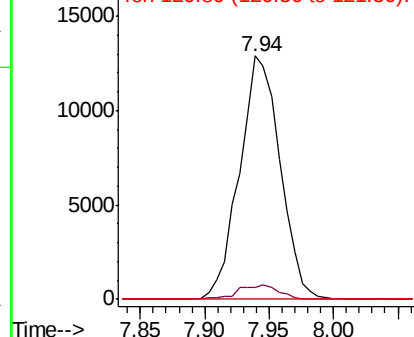
117 100

119 5.0 73.5 110.3#

121 0.0 25.0 37.6#



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: 3.025 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Tgt Ion: 41 Resp: 3807

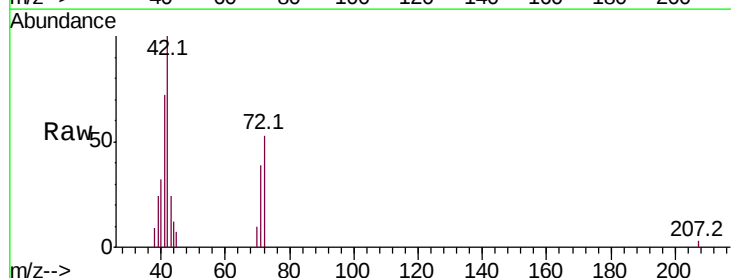
Ion Ratio Lower Upper

41 100

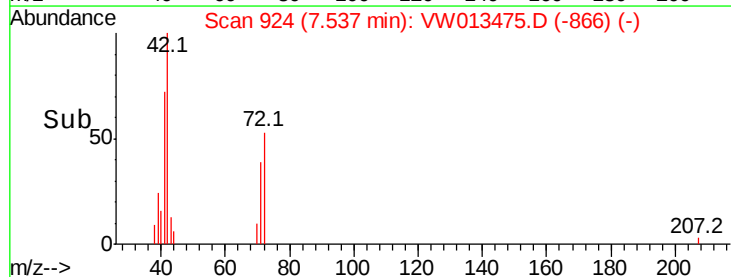
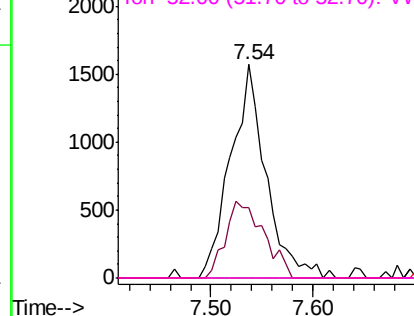
39 38.4 45.9 68.9#

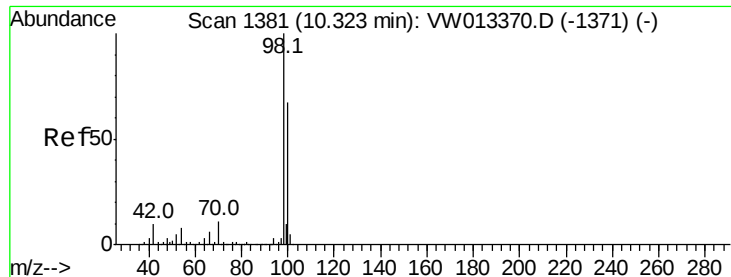
67 0.0 54.5 81.7#

52 0.0 22.5 33.7#



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: 52.611 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

Instrument :

MSVOA_W

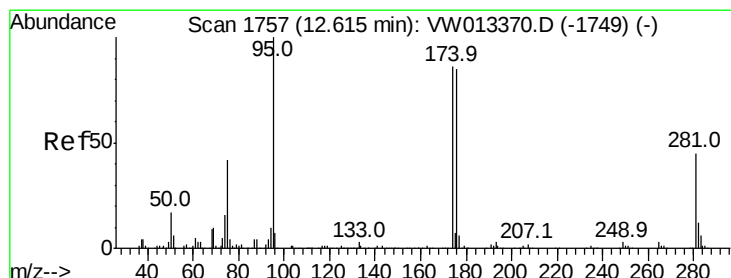
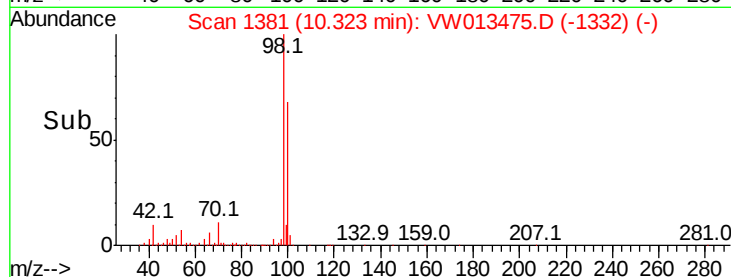
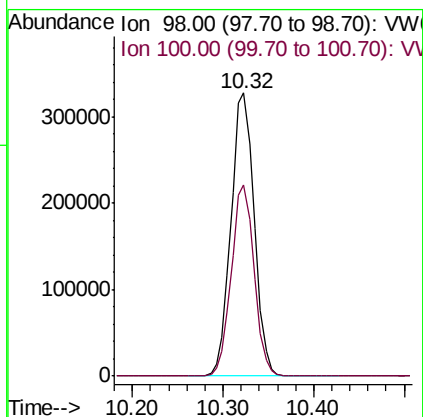
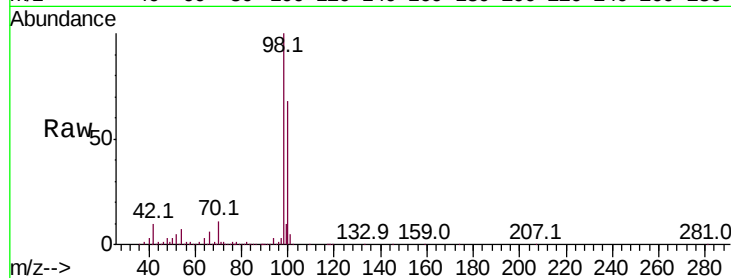
ClientSampleId :

Tot Ion: 98 Resp: 583269

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 49.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013475.D

Acq: 07 Oct 2019 20:21

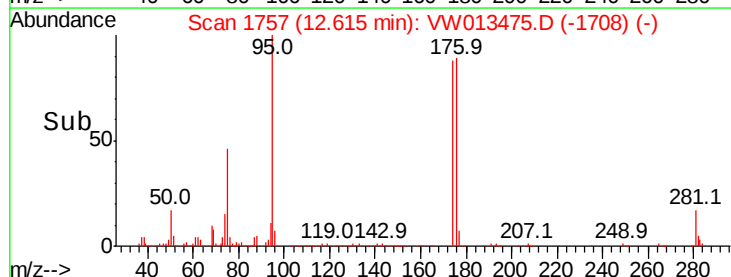
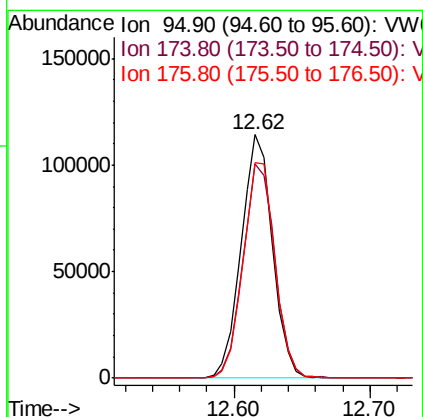
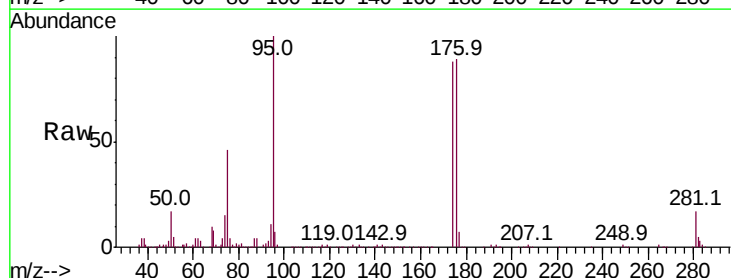
Tgt Ion: 95 Resp: 183741

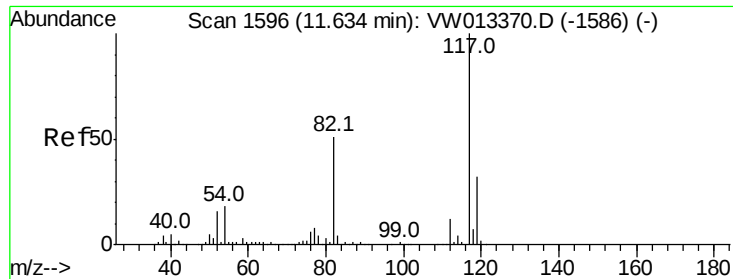
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.4

176 90.2 0.0 172.2

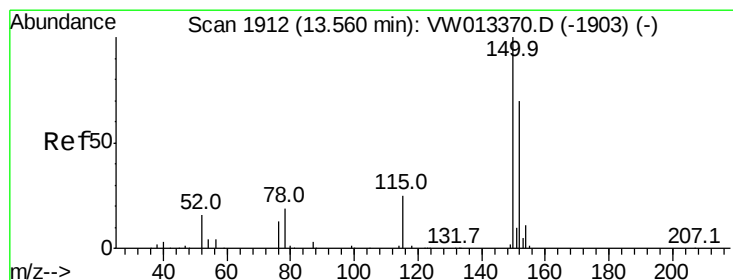
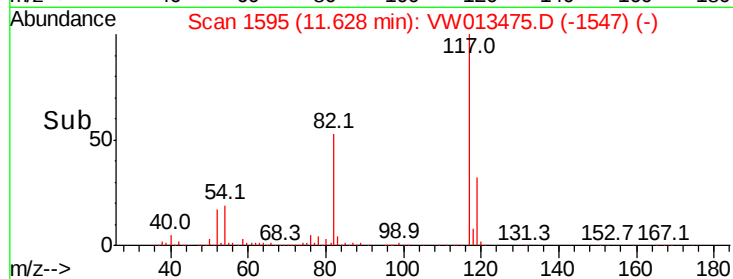
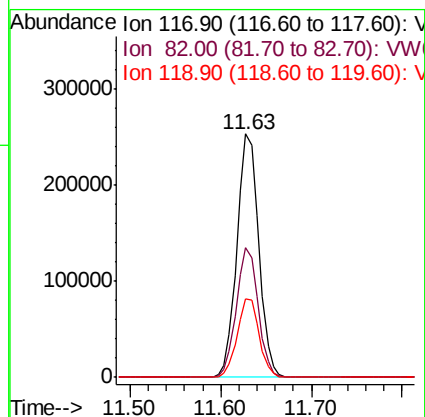
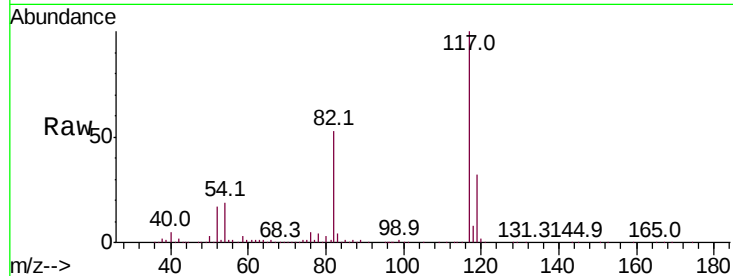




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013475.D
Acq: 07 Oct 2019 20:21

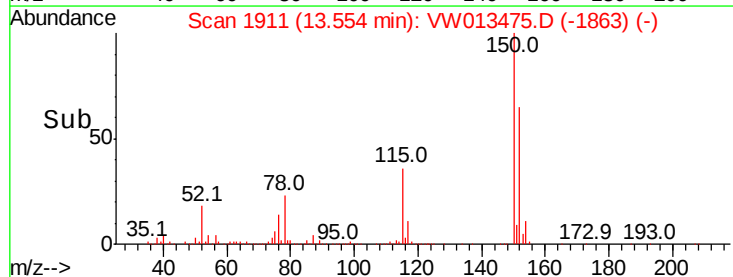
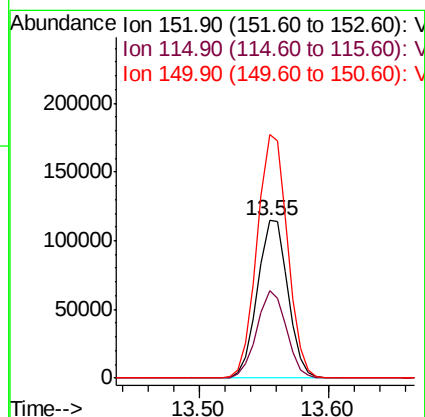
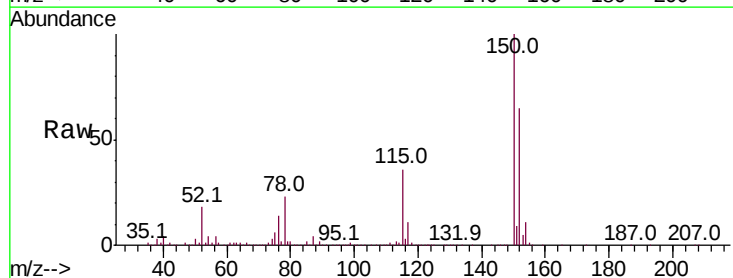
Instrument :
MSVOA_W
ClientSampleId :

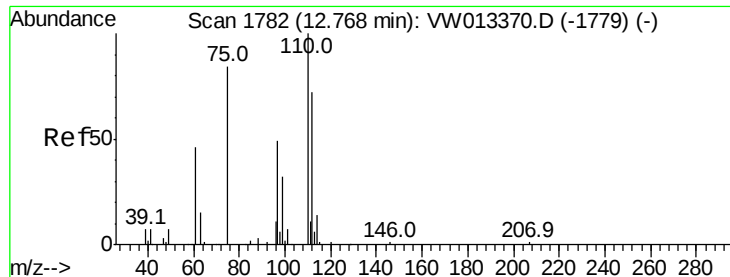
Tot Ion:117 Resp: 424513
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013475.D
Acq: 07 Oct 2019 20:21

Tgt Ion:152 Resp: 186579
Ion Ratio Lower Upper
152 100
115 53.7 27.3 81.9
150 154.6 0.0 349.0

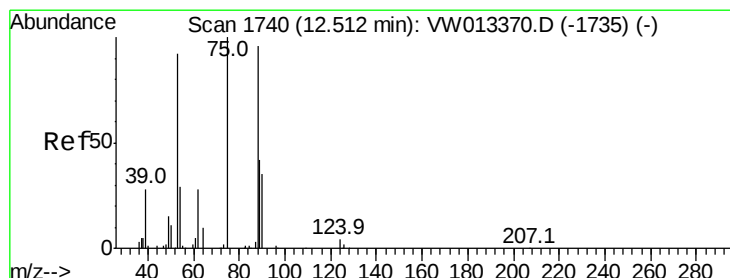
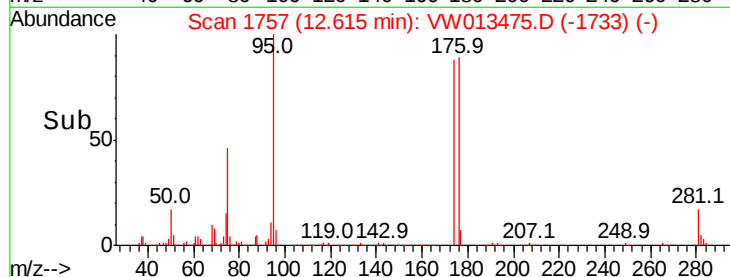
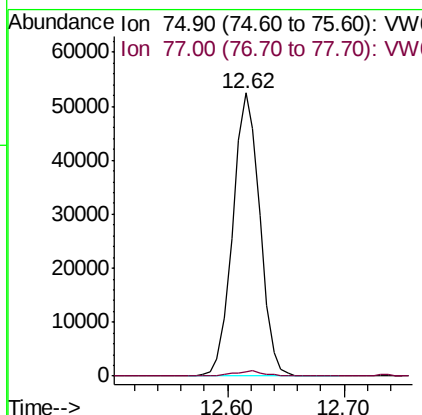
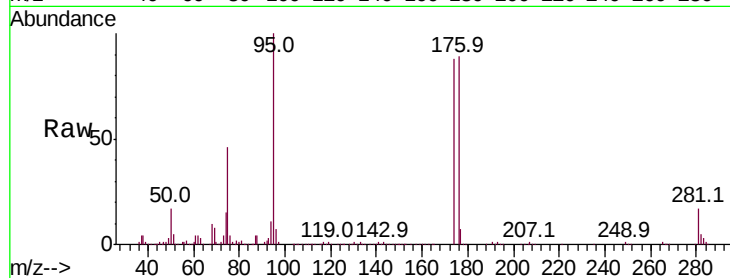




#76
 1,2,3-Trichloropropane
 Concen: 51.149 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013475.D
 Acq: 07 Oct 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 84818
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.831 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013475.D
 Acq: 07 Oct 2019 20:21

Tgt Ion: 75 Resp: 84818
 Ion Ratio Lower Upper
 75 100
 53 0.5 76.6 114.8#
 89 0.2 33.5 50.3#

