

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013472.D
 Acq On : 07 Oct 2019 19:03
 Operator : SY/VA
 Sample : K5238-01
 Misc : 6.28G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 08 10:42:00 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	317159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	172679	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	133395	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	7.88	113	133748	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
50) Toluene-d8	10.32	98	543946	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	173300	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

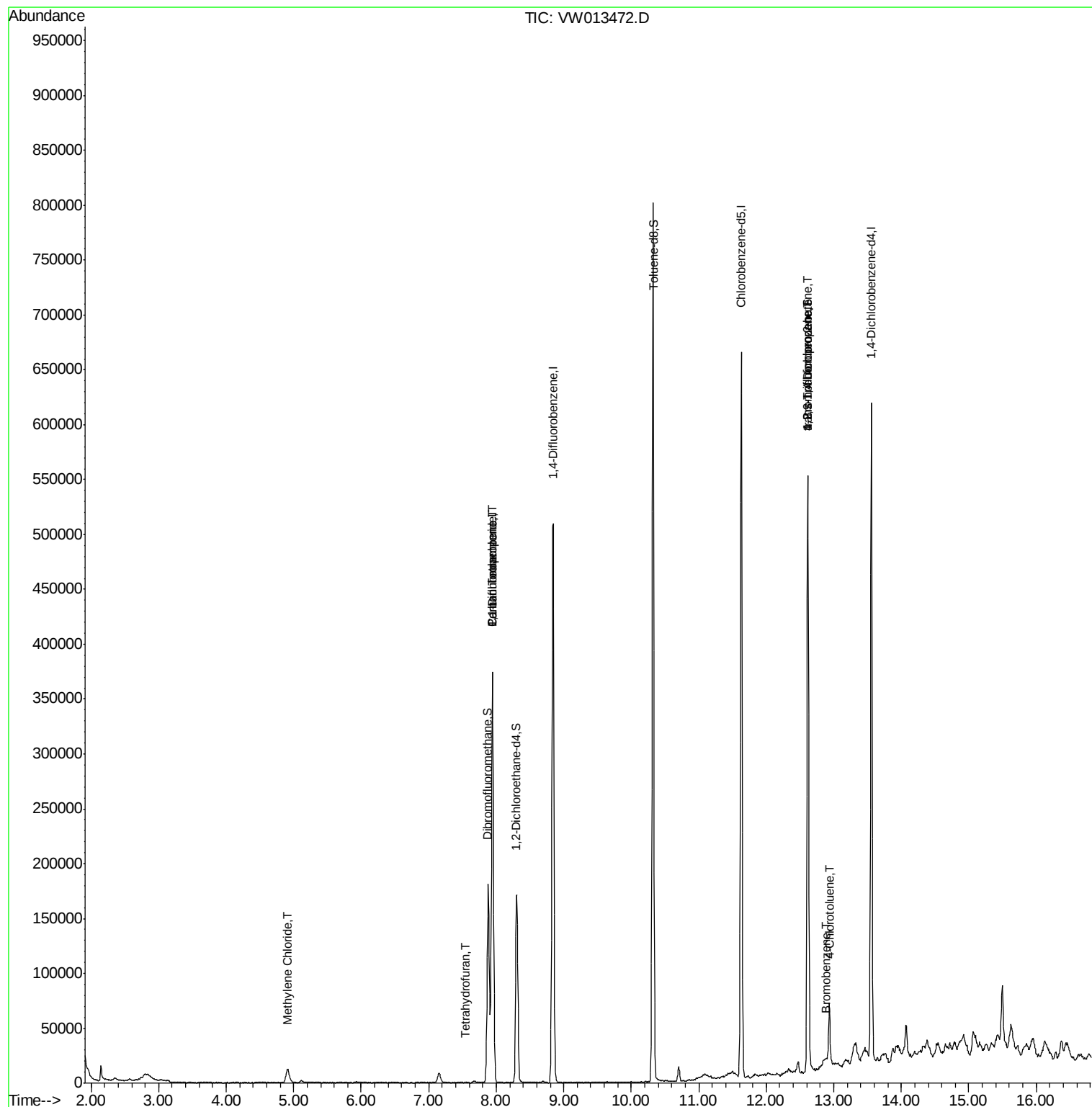
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1230	Below Cal	#	73
20) Methylene Chloride	4.92	84	11013	1.913	ug/l #	91
26) 2,2-Dichloropropane	7.15	77	694	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	20	9.729	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	19958	4.542	ug/l #	44
38) Carbon Tetrachloride	7.95	117	26177	6.877	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	78760	51.319	ug/l #	100
77) Bromobenzene	12.88	156	9160	3.020	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	78760	104.162	ug/l #	12
82) 4-Chlorotoluene	12.94	91	9906	1.172	ug/l #	41

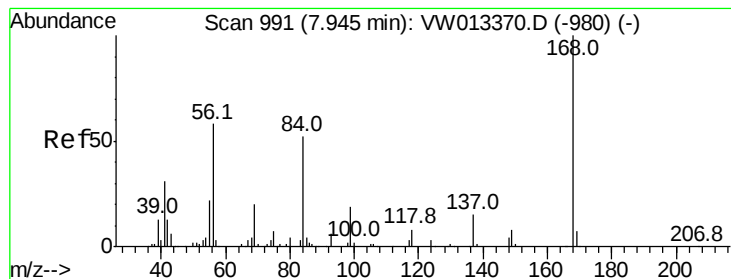
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
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: VW013472.D

Acq: 07 Oct 2019 19:03

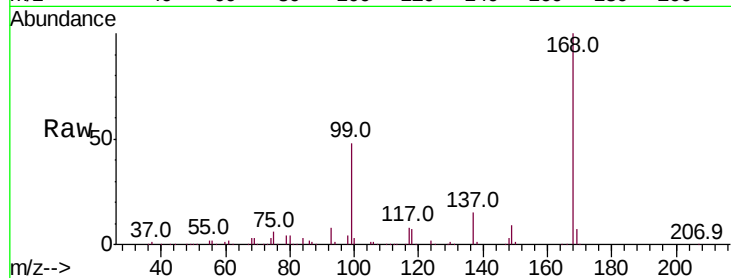
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 317159

Ion Ratio Lower Upper

168 100

99 48.5 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

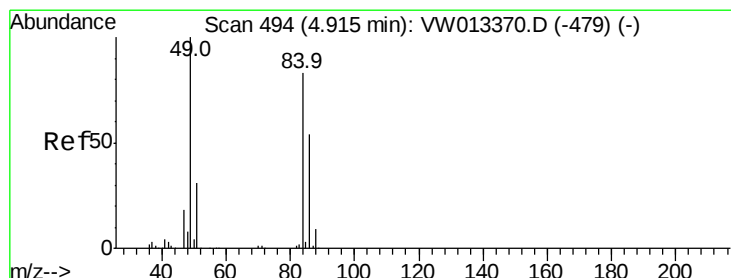
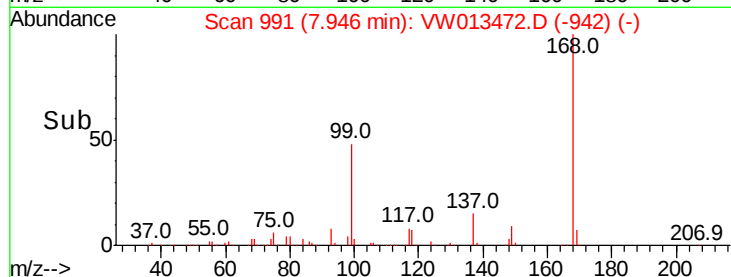
Time-->

7.80

7.90

8.00

8.10



#20

Methylene Chloride

Concen: 1.913 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

Tgt Ion: 84 Resp: 11013

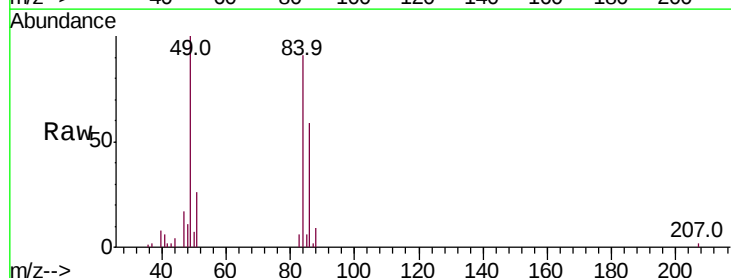
Ion Ratio Lower Upper

84 100

49 109.6 97.6 146.4

51 28.4 30.2 45.2#

86 65.0 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

5000

4000

3000

2000

1000

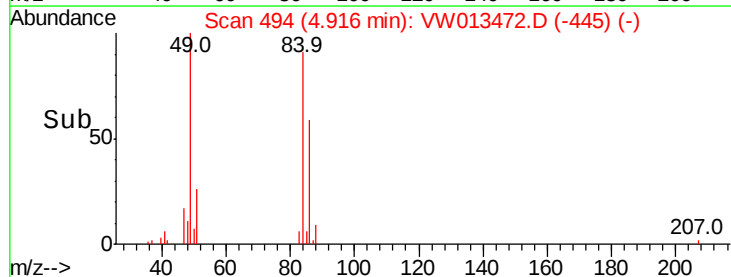
0

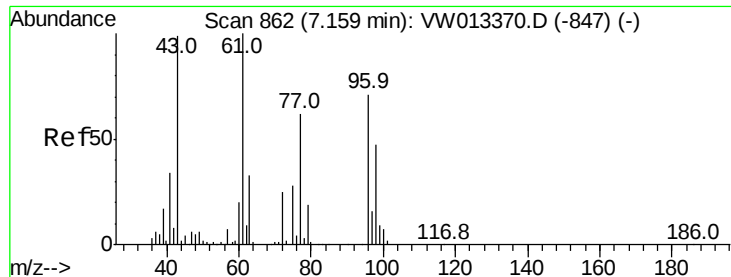
Time-->

4.80

4.90

5.00





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

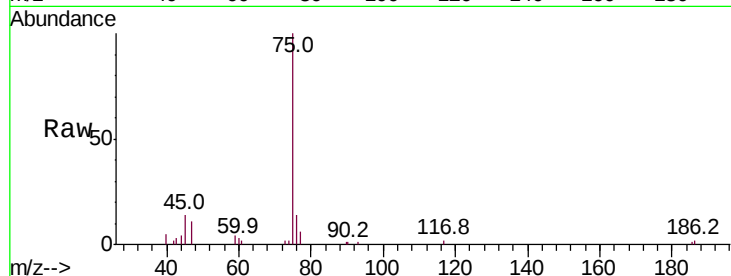
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 694

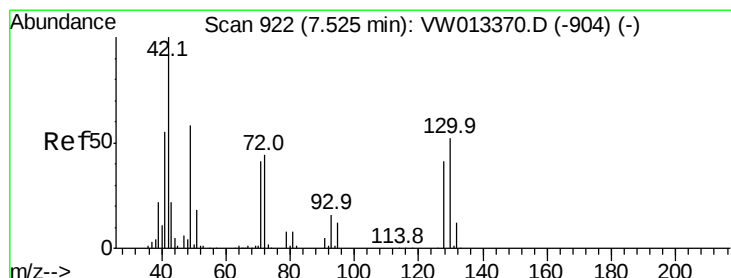
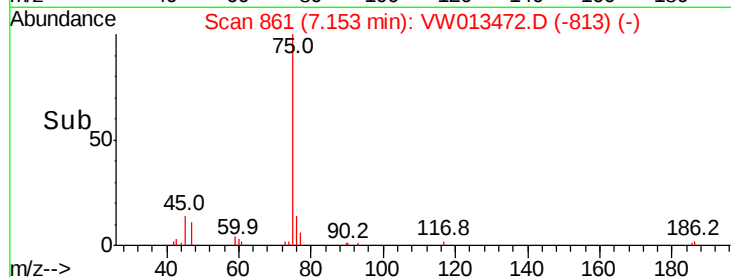
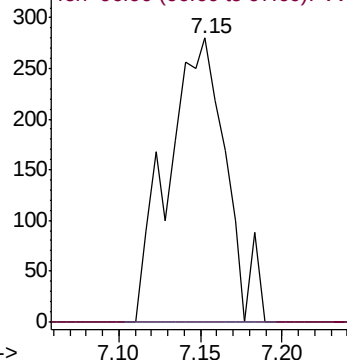
Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 9.729 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

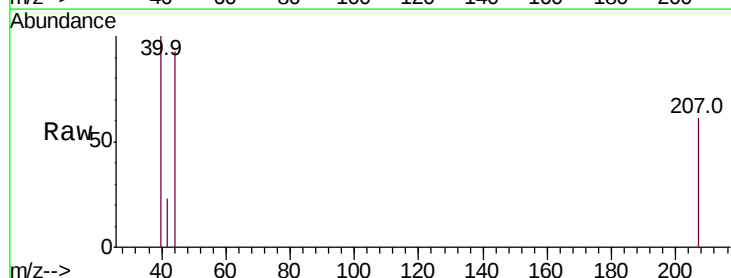
Tgt Ion: 42 Resp: 20

Ion Ratio Lower Upper

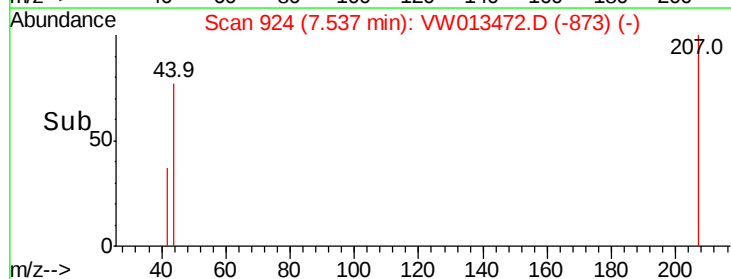
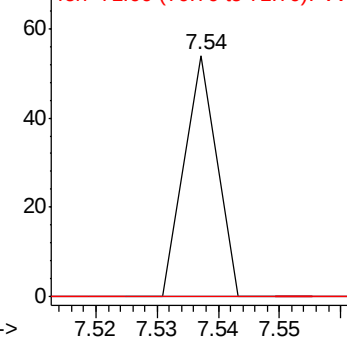
42 100

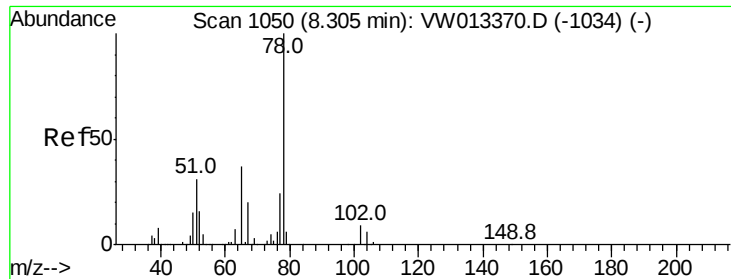
72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



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

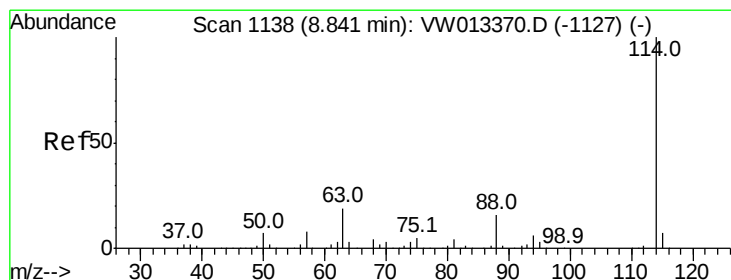
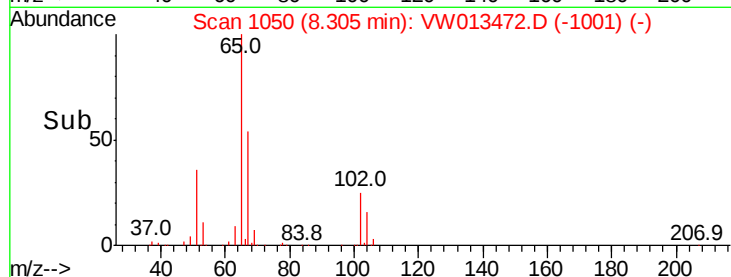
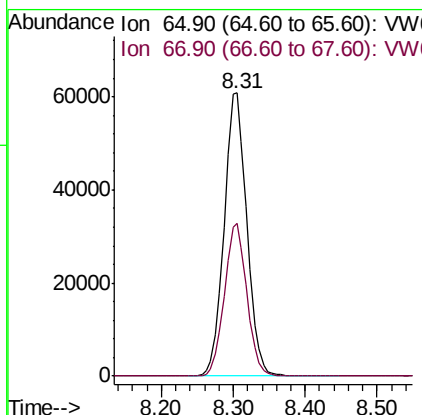
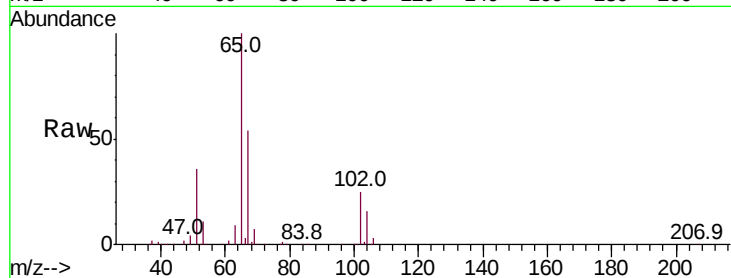




#33
 1,2-Dichloroethane-d4
 Concen: 56.329 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013472.D
 Acq: 07 Oct 2019 19:03

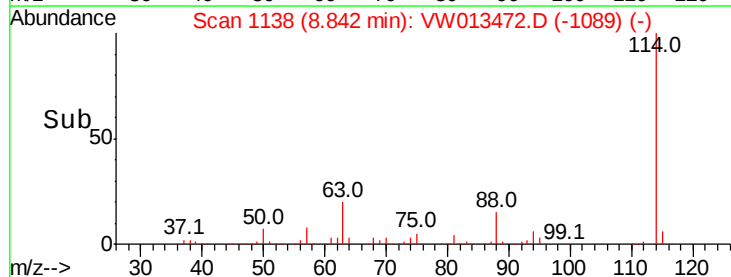
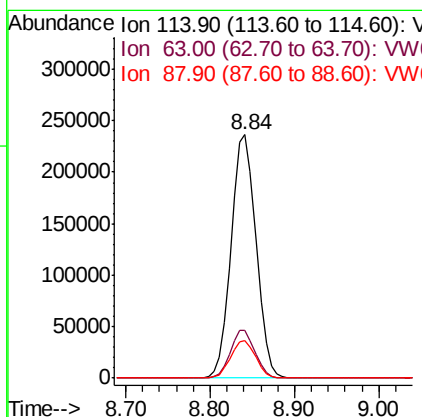
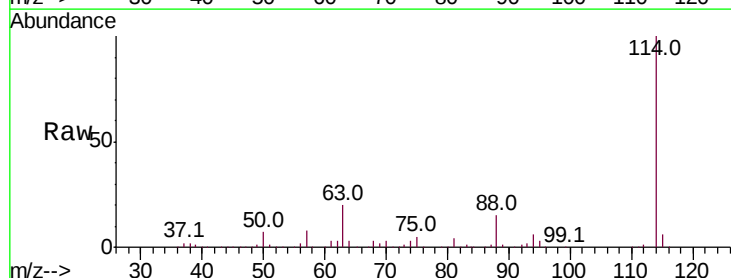
Instrument :
 MSVOA_W
 ClientSampleId :

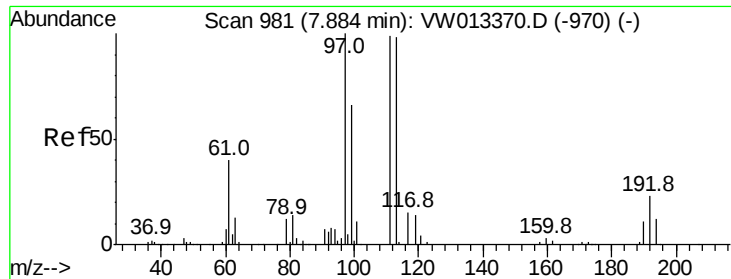
Tot Ion: 65 Resp: 133395
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013472.D
 Acq: 07 Oct 2019 19:03

Tgt Ion: 114 Resp: 473105
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.876 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

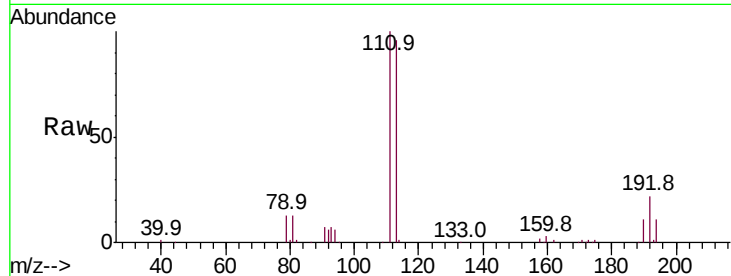
Tot Ion:113 Resp: 133748

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

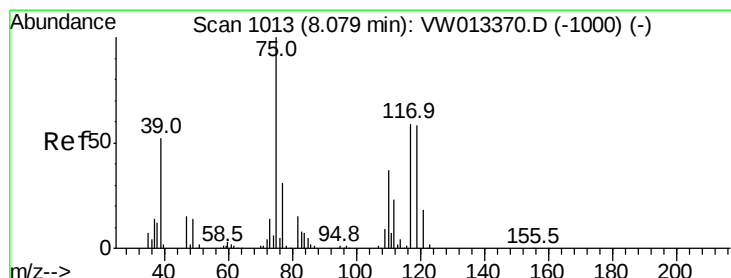
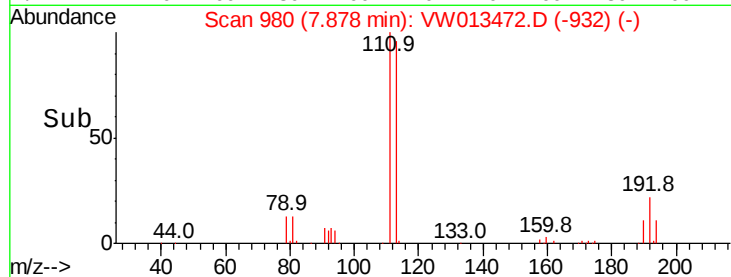
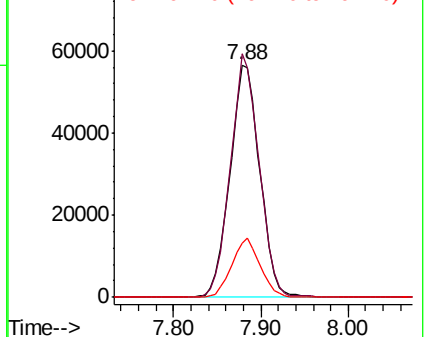
192 24.2 19.1 28.7



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: 4.542 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

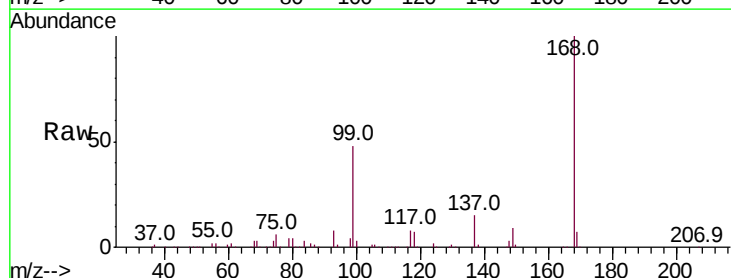
Tgt Ion: 75 Resp: 19958

Ion Ratio Lower Upper

75 100

110 3.5 18.1 54.3#

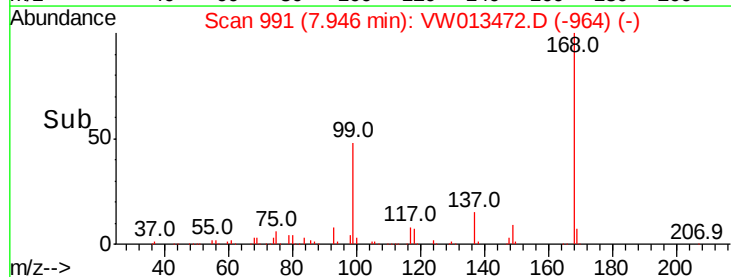
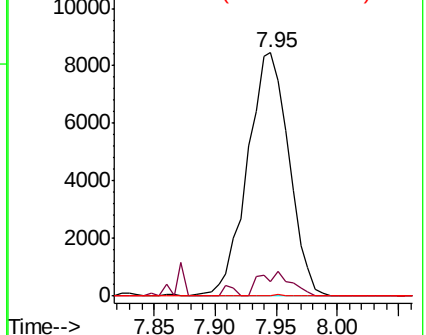
77 0.1 25.8 38.6#

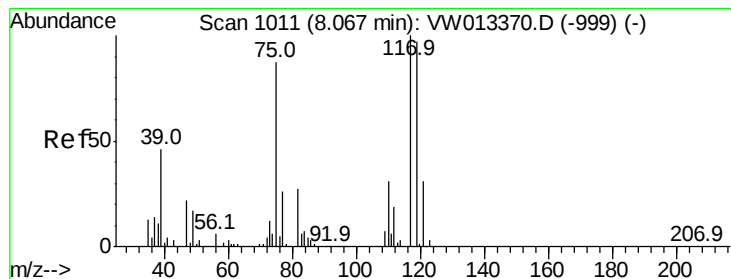


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.877 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

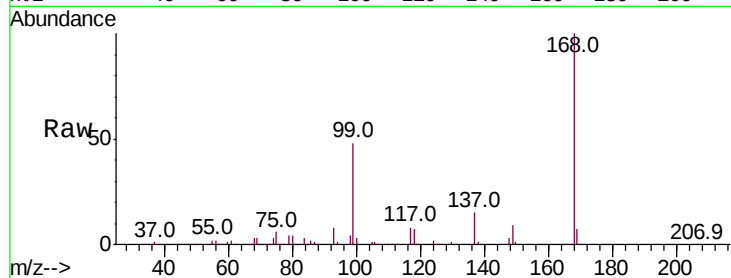
Tot Ion:117 Resp: 26177

Ion Ratio Lower Upper

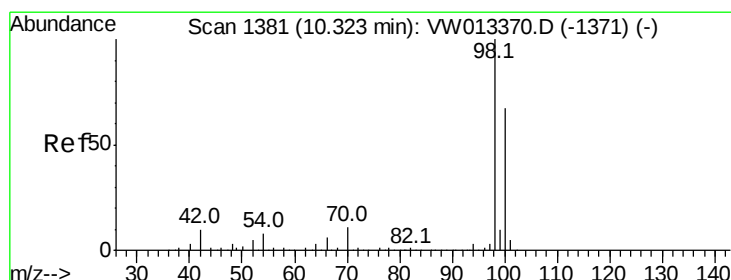
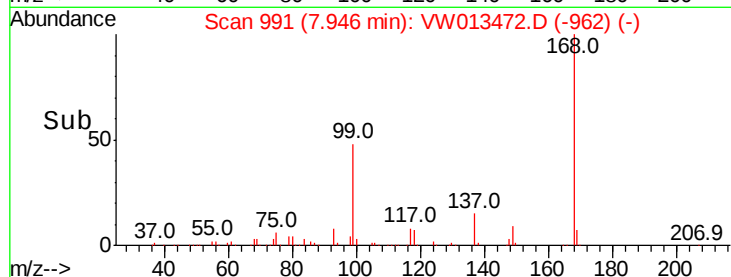
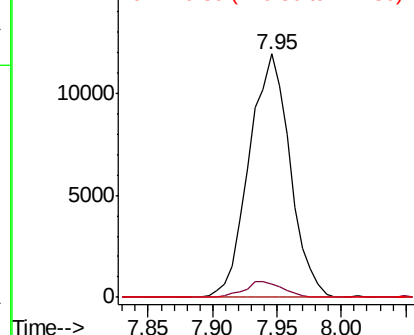
117 100

119 5.5 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



#50

Toluene-d8

Concen: 52.801 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013472.D

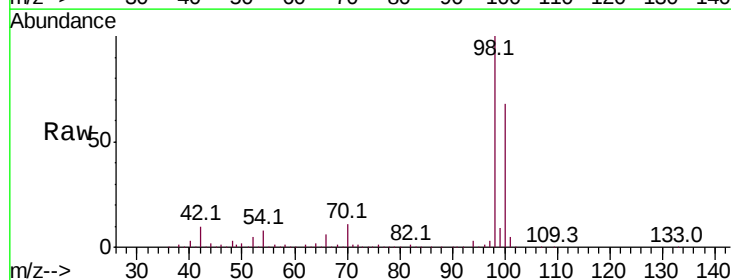
Acq: 07 Oct 2019 19:03

Tgt Ion: 98 Resp: 543946

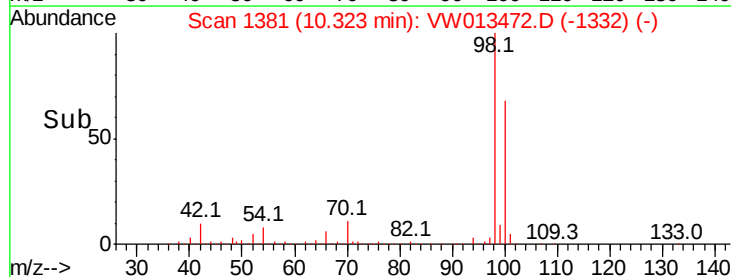
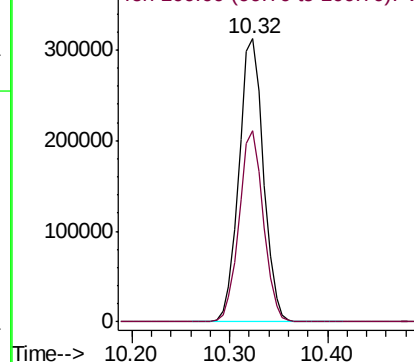
Ion Ratio Lower Upper

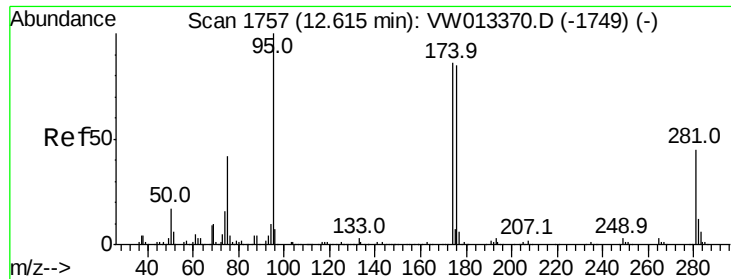
98 100

100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

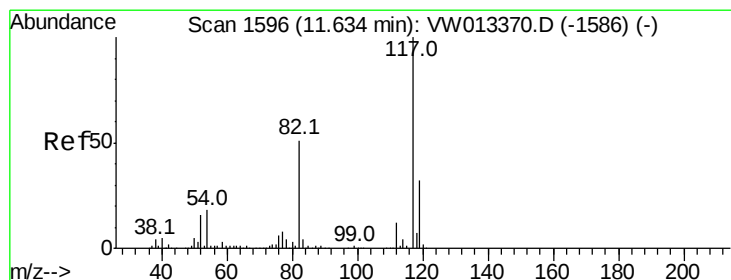
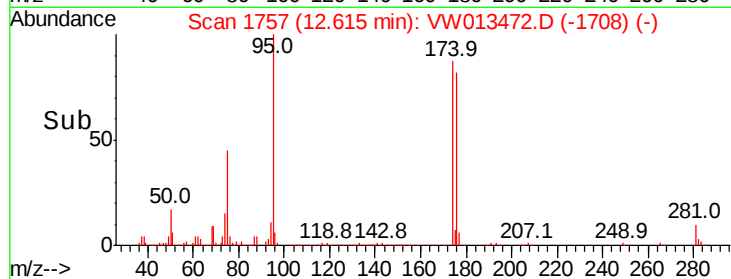
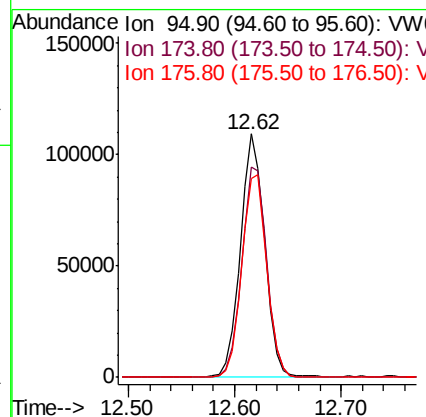
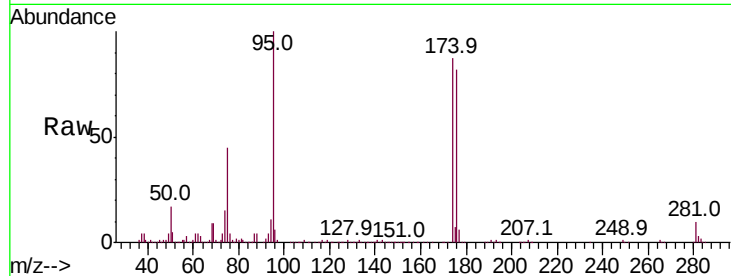




#62
4-Bromofluorobenzene
Concen: 50.375 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013472.D
Acq: 07 Oct 2019 19:03

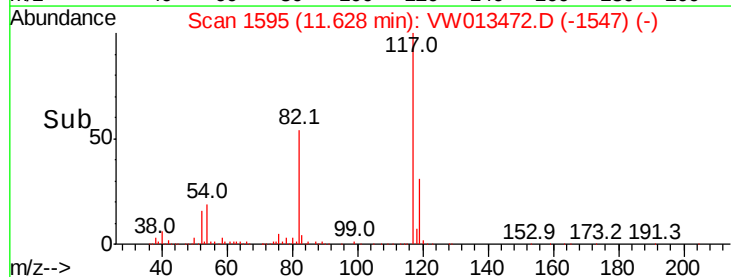
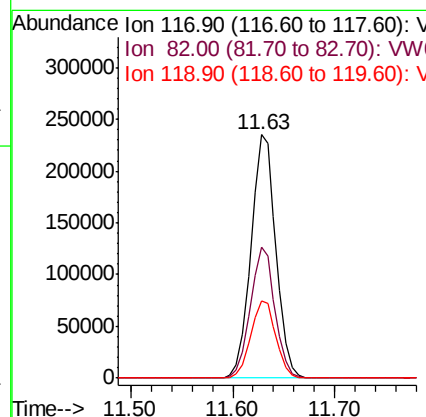
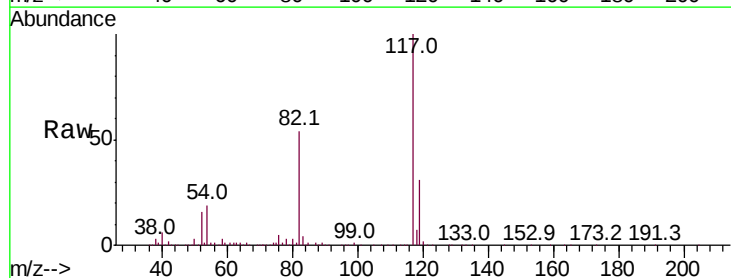
Instrument :
MSVOA_W
ClientSampleId :

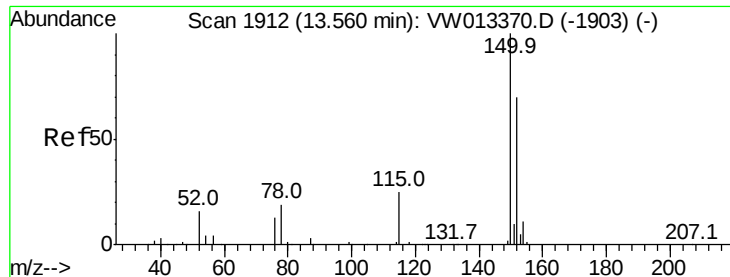
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.4
176	86.5	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013472.D
Acq: 07 Oct 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.9	68.9
119	31.4	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: VW013472.D

Acq: 07 Oct 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

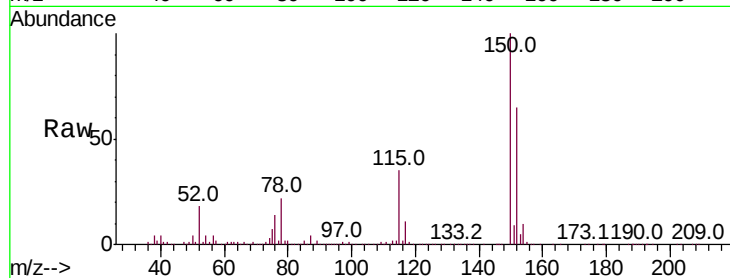
Tot Ion:152 Resp: 172679

Ion Ratio Lower Upper

152 100

115 54.5 27.3 81.9

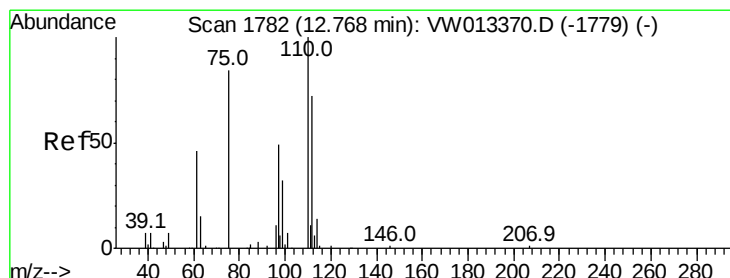
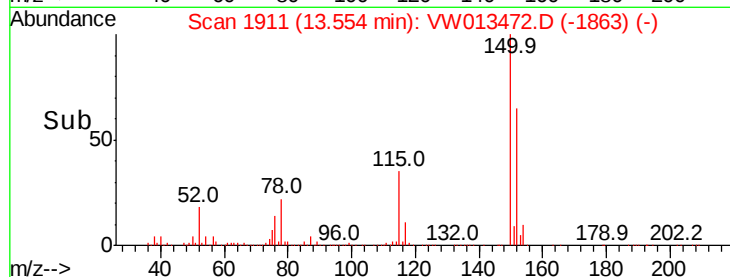
150 157.0 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013472.D

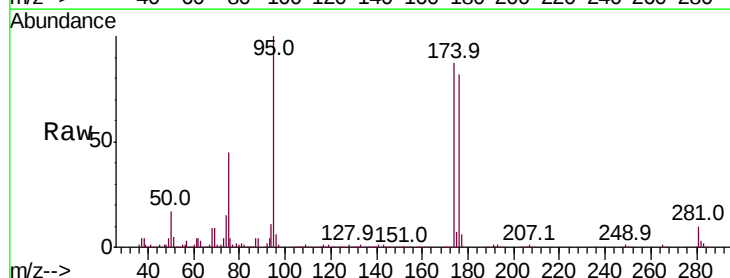
Acq: 07 Oct 2019 19:03

Tgt Ion: 75 Resp: 78760

Ion Ratio Lower Upper

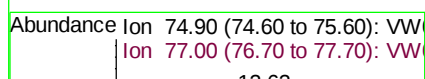
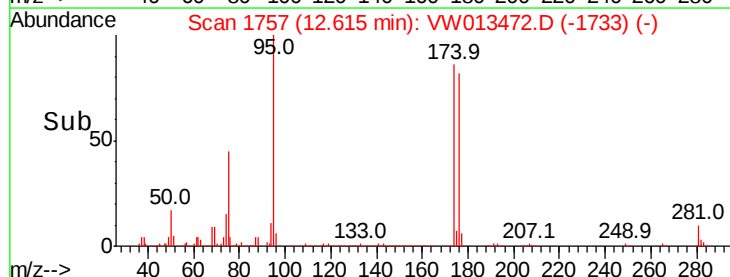
75 100

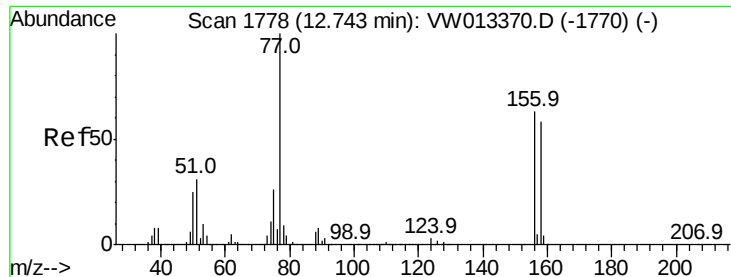
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.020 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

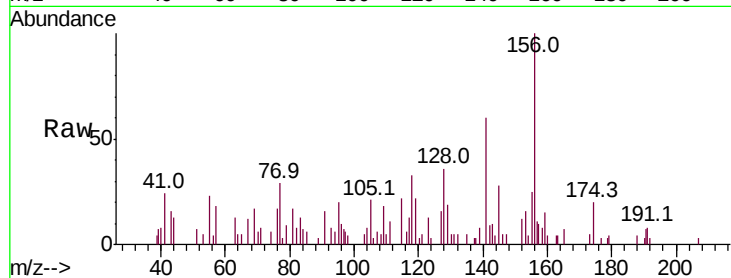
Tot Ion:156 Resp: 9160

Ion Ratio Lower Upper

156 100

77 13.9 85.7 257.1#

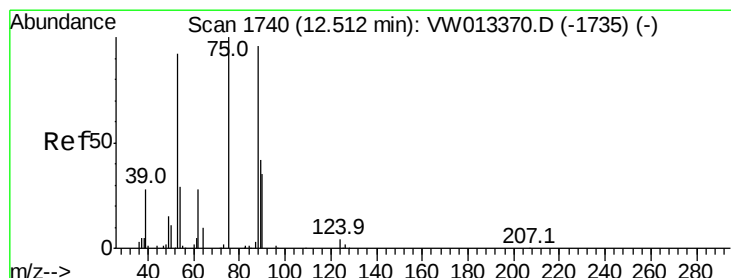
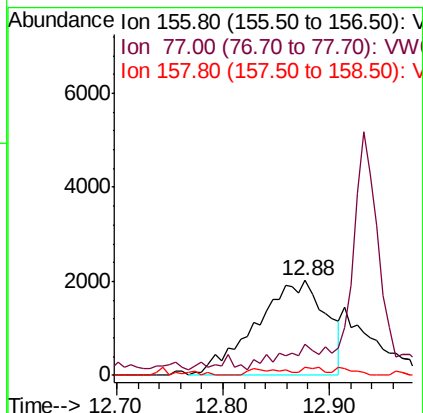
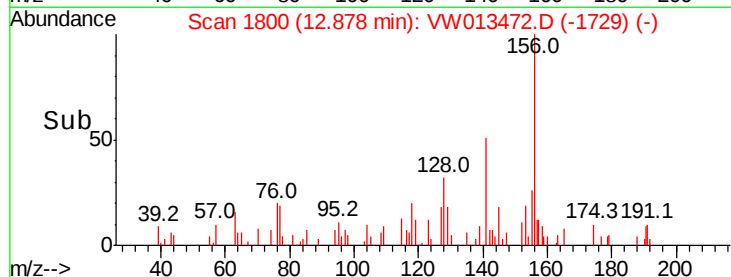
158 2.2 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 104.162 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013472.D

Acq: 07 Oct 2019 19:03

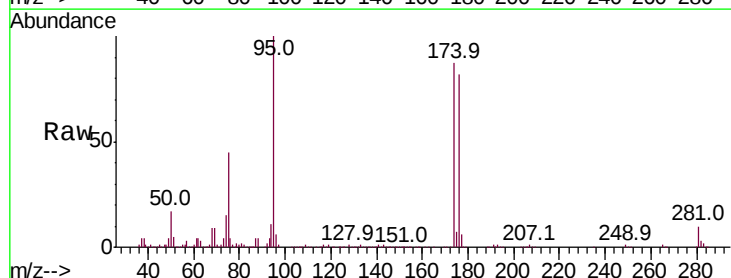
Tgt Ion: 75 Resp: 78760

Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

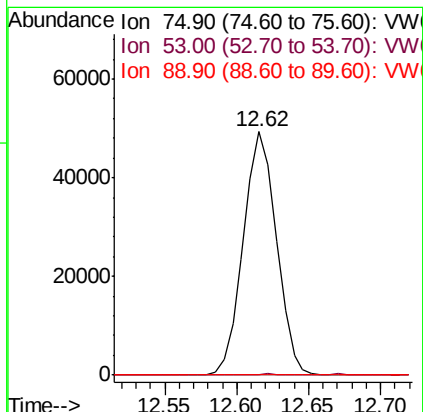
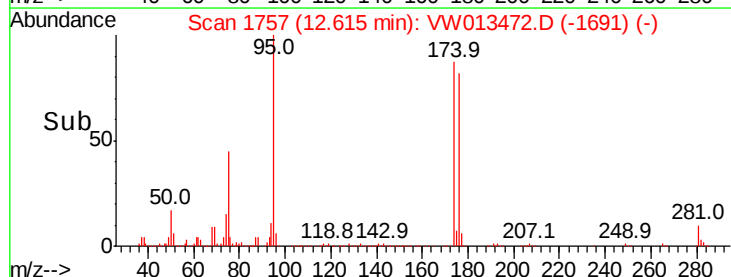
89 0.1 33.5 50.3#

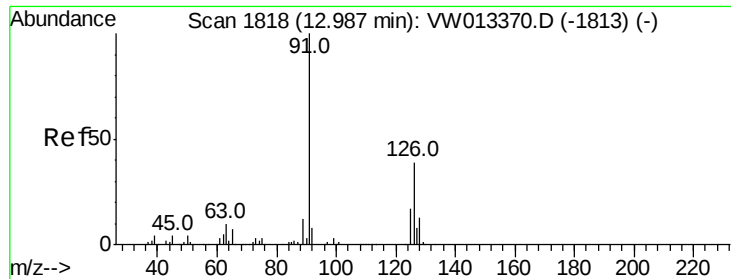


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82
 4-Chlorotoluene
 Concen: 1.172 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.05 min
 Lab File: VW013472.D
 Acq: 07 Oct 2019 19:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 91 Resp: 9906
 Ion Ratio Lower Upper
 91 100
 126 0.5 17.3 51.7#

