

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013193.D
 Acq On : 20 Sep 2019 20:09
 Operator : SY/VA
 Sample : K4918-06
 Misc : 4.53G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:54:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	11750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	15893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	8478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	839	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	5015	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	7.88	113	4957	56.71	ug/l	0.00
Spiked Amount			Recovery	=	113.42%	
50) Toluene-d8	10.32	98	15426	42.17	ug/l	0.00
Spiked Amount			Recovery	=	84.34%	
62) 4-Bromofluorobenzene	12.62	95	1548	12.39	ug/l	0.00
Spiked Amount			Recovery	=	24.78%	

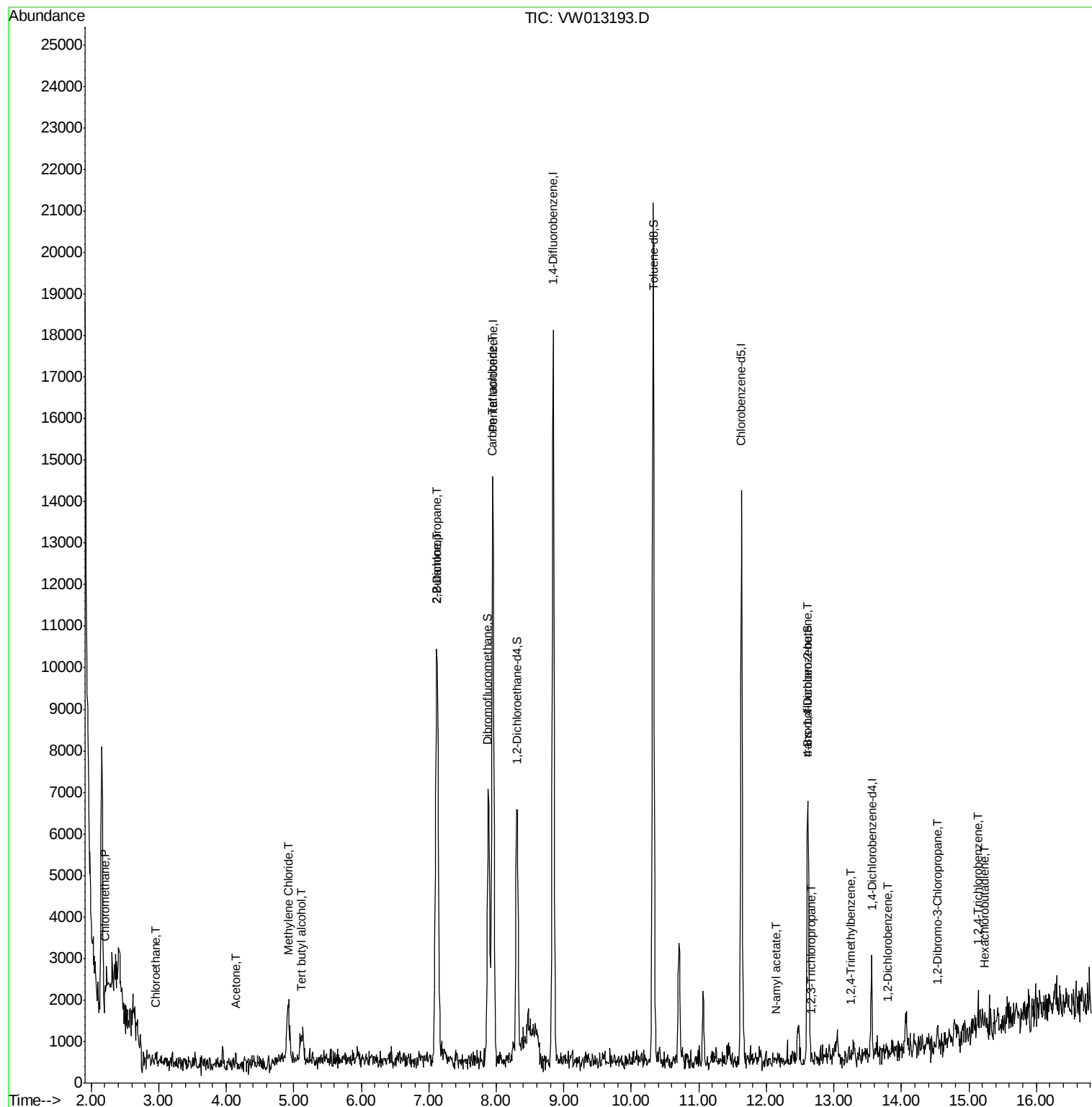
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	138	1.584	ug/l #	42
6) Chloroethane	2.95	64	77	1.163	ug/l #	41
11) Tert butyl alcohol	5.11	59	450	57.399	ug/l #	73
16) Acetone	4.13	43	252	11.653	ug/l #	45
20) Methylene Chloride	4.92	84	1103	7.504	ug/l #	75
25) 2-Butanone	7.12	43	537	16.541	ug/l #	51
26) 2,2-Dichloropropane	7.12	77	885	4.377	ug/l #	52
38) Carbon Tetrachloride	7.94	117	978	7.087	ug/l #	14
74) N-amyl acetate	12.16	43	19	1.382	ug/l #	4
76) 1,2,3-Trichloropropane	12.66	75	33	4.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	820	248.332	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	53	1.022	ug/l #	30
91) 1,2-Dichlorobenzene	13.79	146	30	1.227	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29	18.292	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.13	180	38	2.169	ug/l #	12
94) Hexachlorobutadiene	15.23	225	19	1.585	ug/l #	19

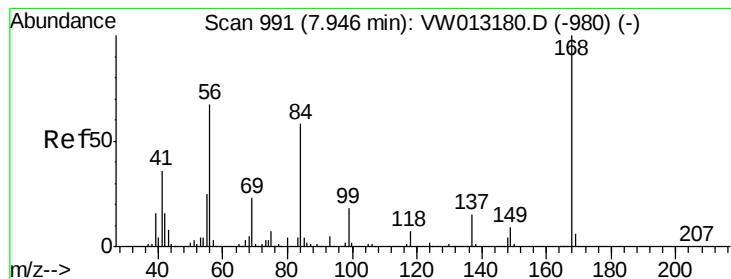
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013193.D

Acq: 20 Sep 2019 20:09

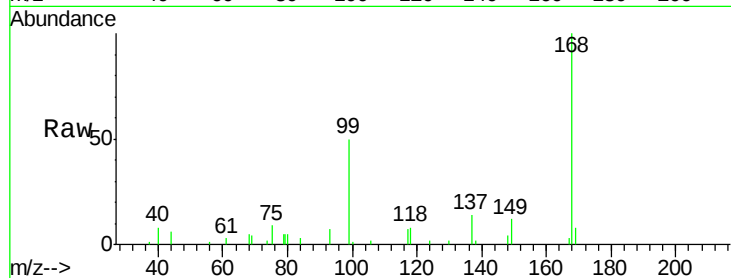
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 11750

Ion Ratio Lower Upper

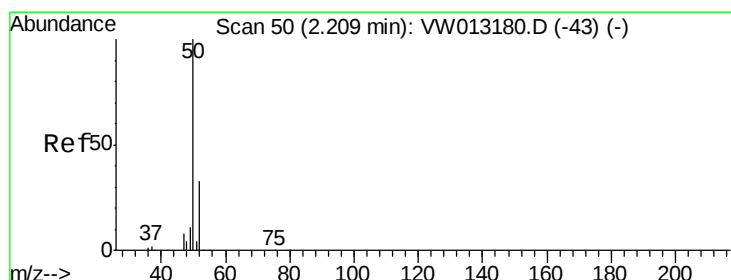
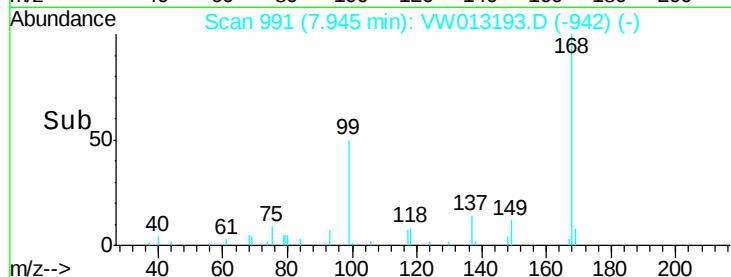
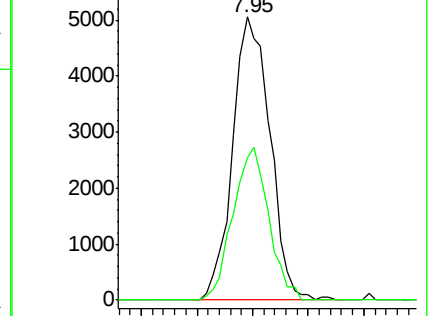
168 100

99 50.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.584 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013193.D

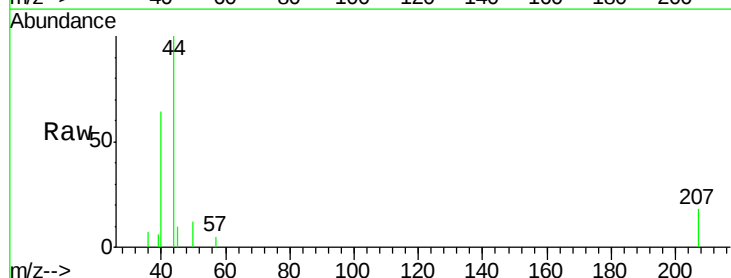
Acq: 20 Sep 2019 20:09

Tgt Ion: 50 Resp: 138

Ion Ratio Lower Upper

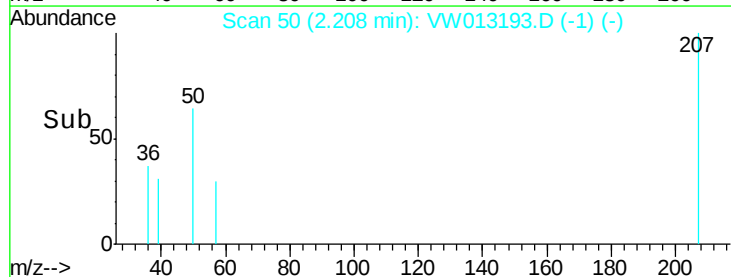
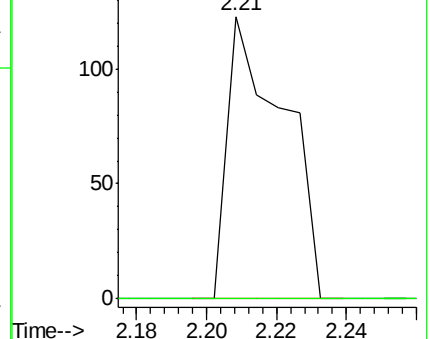
50 100

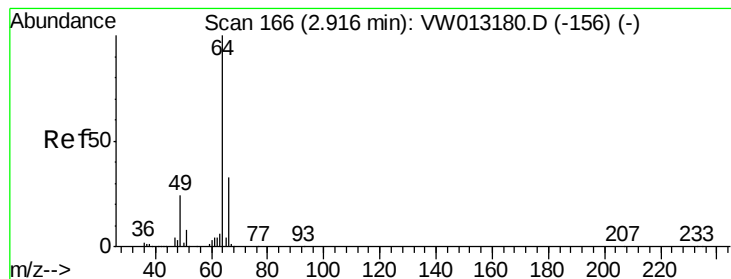
52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 1.163 ug/l

RT: 2.95 min Scan# 172

Delta R.T. 0.04 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

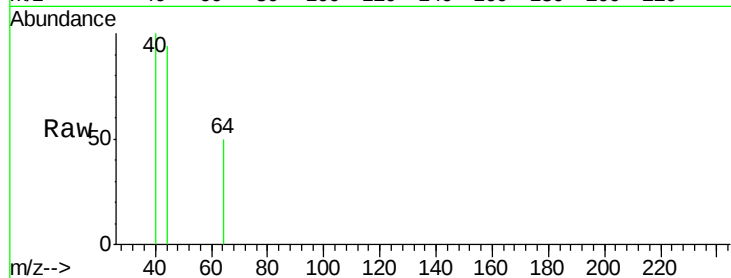
ClientSampled :

Tot Ion: 64 Resp: 77

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.95

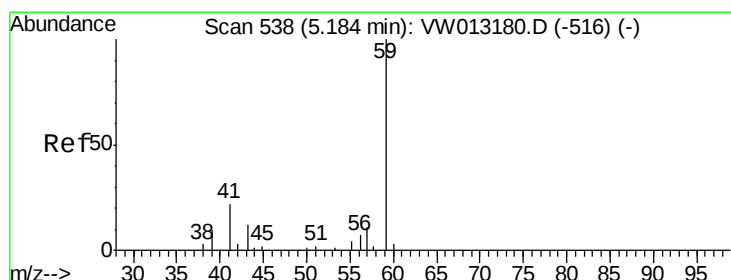
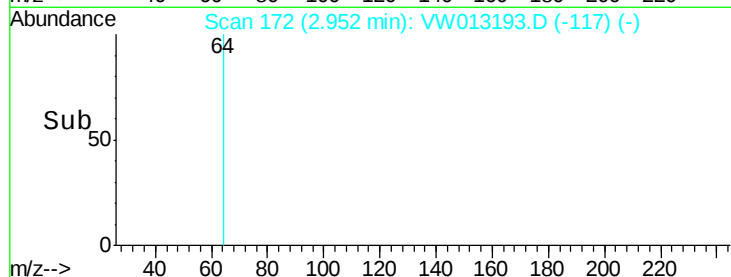
150

100

50

0

Time--> 2.92 2.94 2.96



#11

Tert butyl alcohol

Concen: 57.399 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013193.D

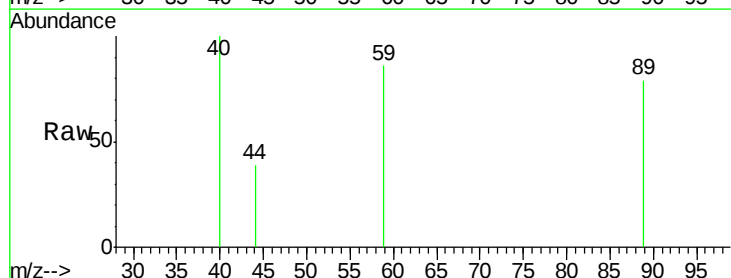
Acq: 20 Sep 2019 20:09

Tgt Ion: 59 Resp: 450

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

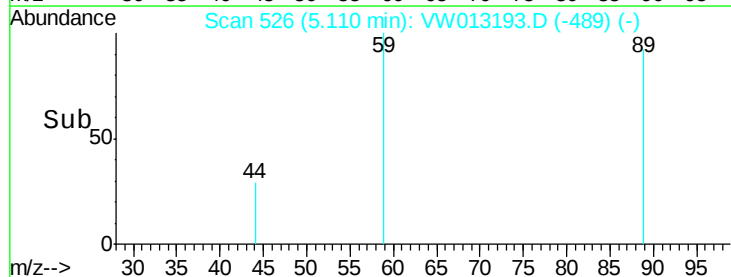
300

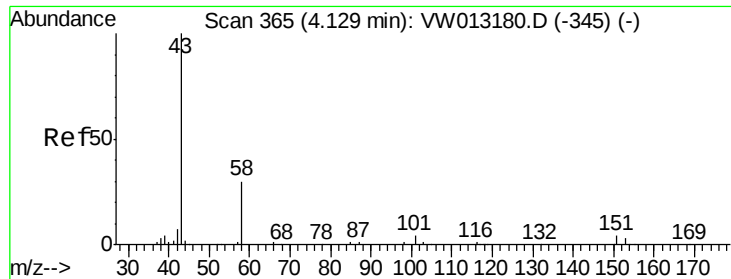
200

100

0

Time--> 5.10 5.15





#16

Acetone

Concen: 11.653 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

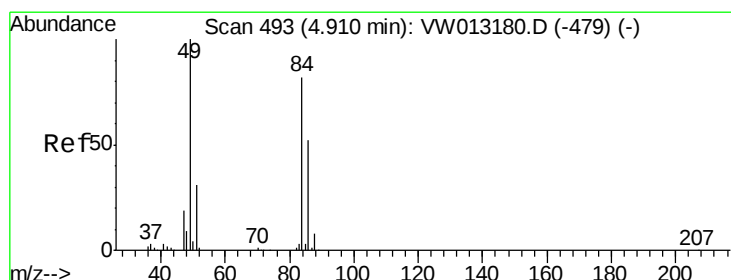
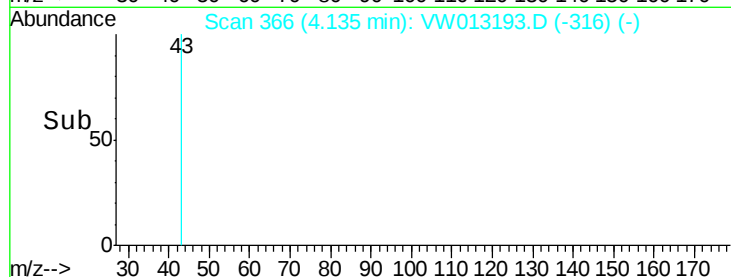
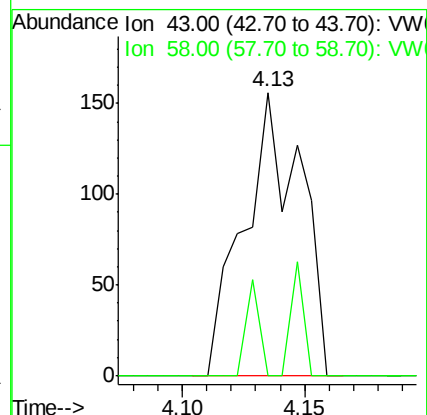
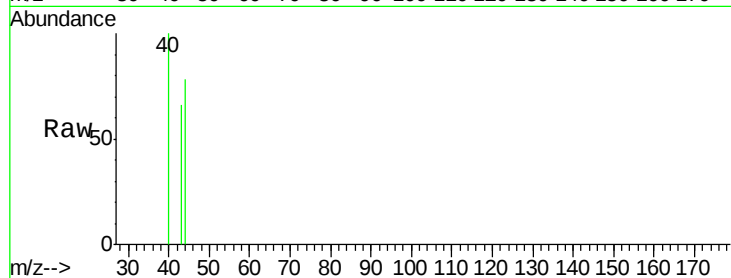
ClientSampled :

Tot Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#20

Methylene Chloride

Concen: 7.504 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Tgt Ion: 84 Resp: 1103

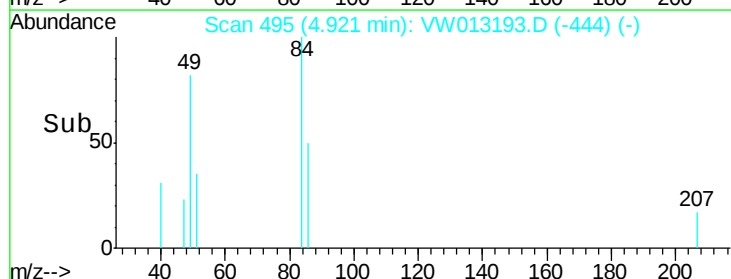
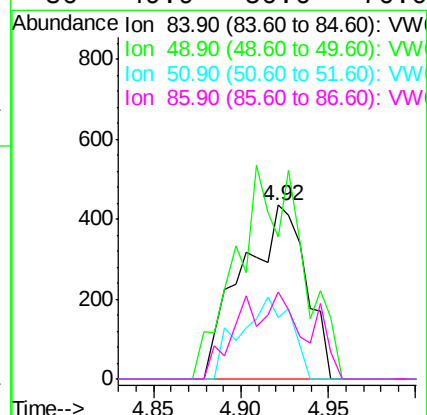
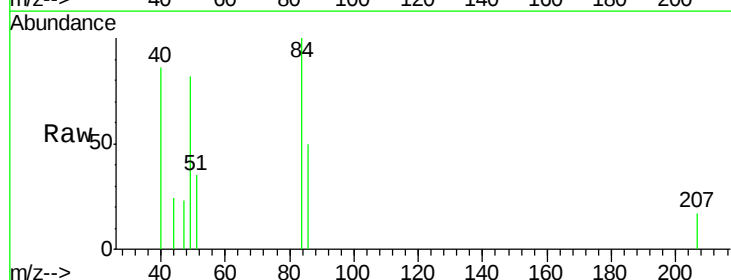
Ion Ratio Lower Upper

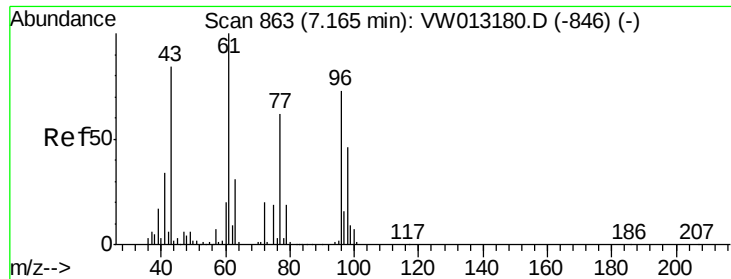
84 100

49 81.8 97.6 146.4#

51 35.4 30.2 45.2

86 49.9 50.6 76.0#





#25

2-Butanone

Concen: 16.541 ug/l

RT: 7.12 min Scan# 855

Delta R.T. -0.05 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

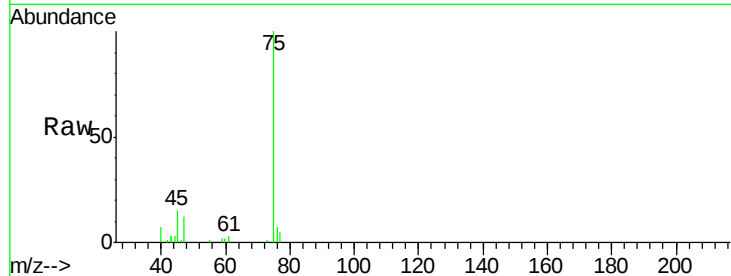
ClientSampleId :

Tot Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.12

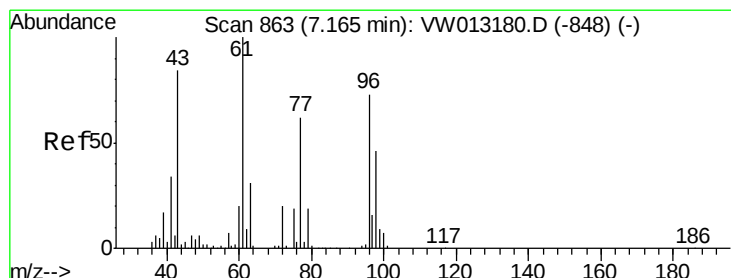
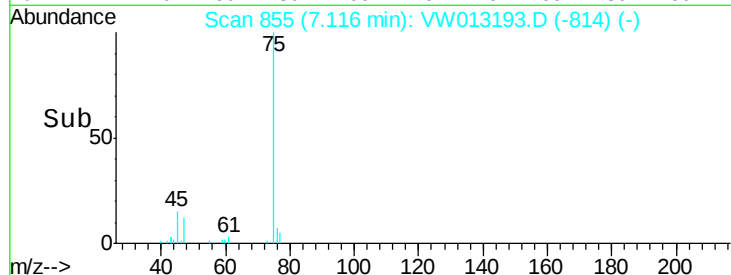
300

200

100

0

Time-->



#26

2,2-Dichloropropane

Concen: 4.377 ug/l

RT: 7.12 min Scan# 855

Delta R.T. -0.05 min

Lab File: VW013193.D

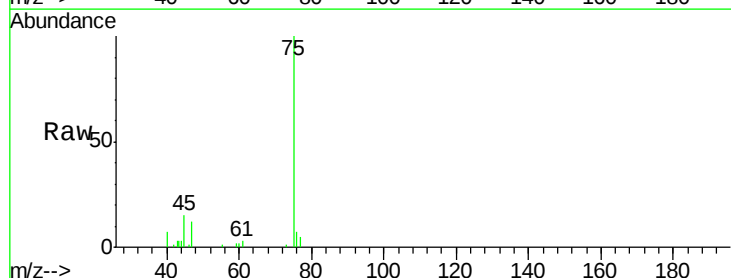
Acq: 20 Sep 2019 20:09

Tgt Ion: 77 Resp: 885

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

7.12

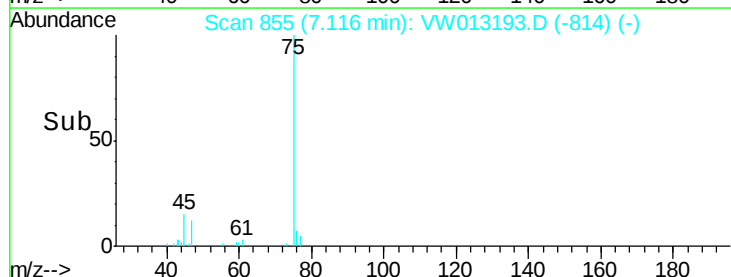
300

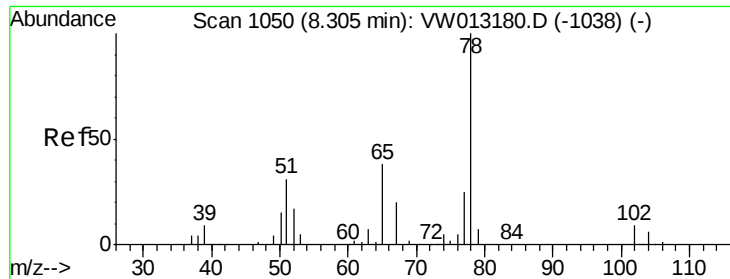
200

100

0

Time-->

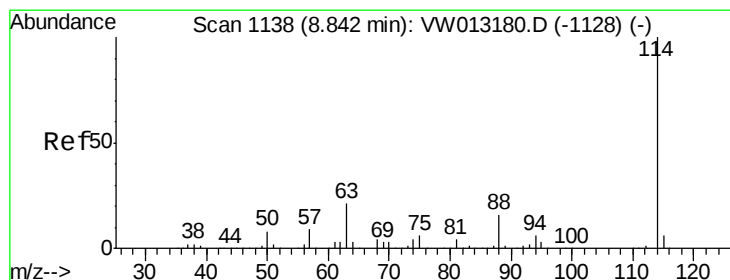
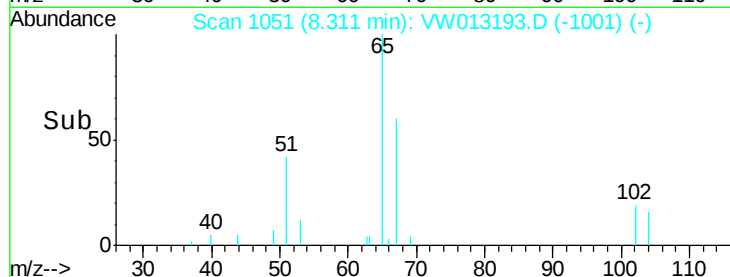
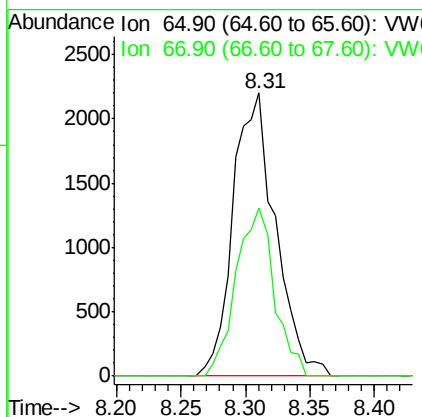
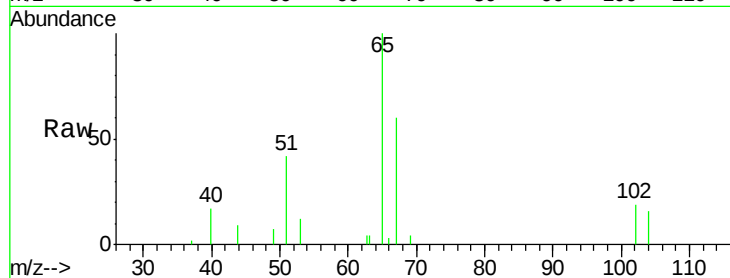




#33
 1,2-Dichloroethane-d4
 Concen: 52.296 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW013193.D
 Acq: 20 Sep 2019 20:09

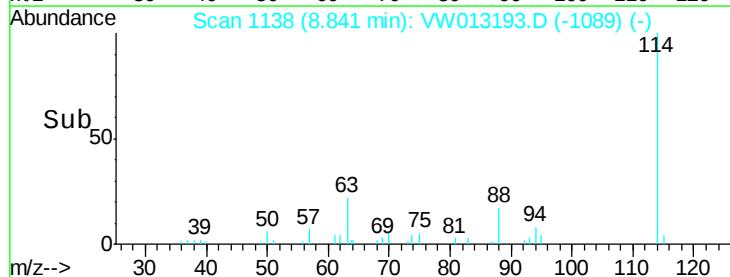
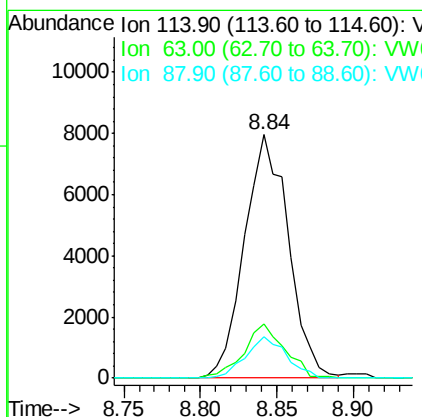
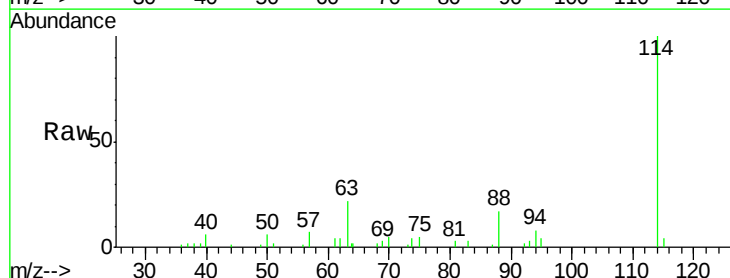
Instrument :
 MSVOA_W
 ClientSampled :

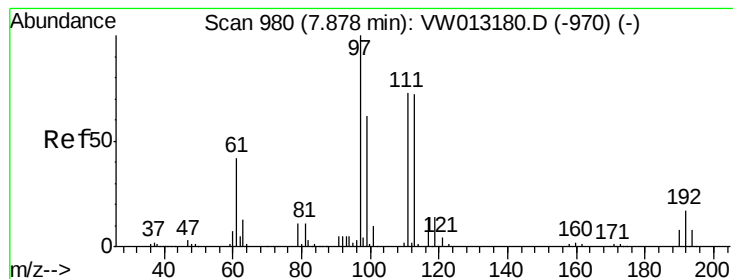
Tot Ion: 65 Resp: 5015
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013193.D
 Acq: 20 Sep 2019 20:09

Tgt Ion: 114 Resp: 15893
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.4
 88 17.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.709 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

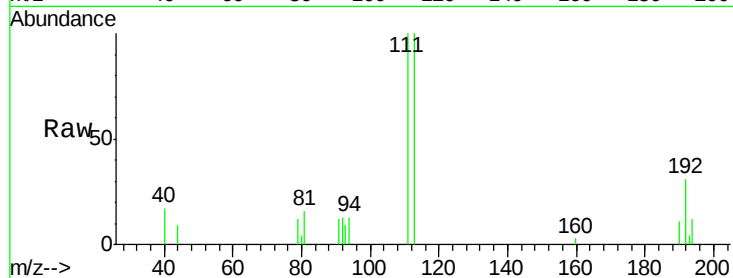
Tot Ion:113 Resp: 4957

Ion Ratio Lower Upper

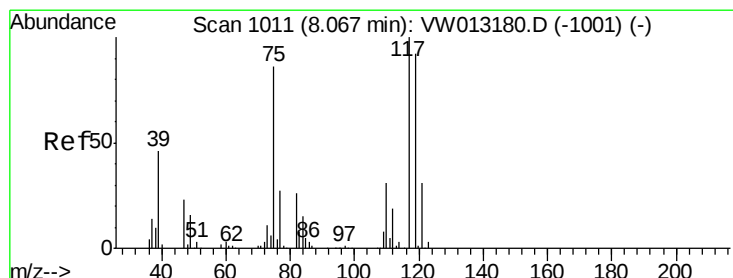
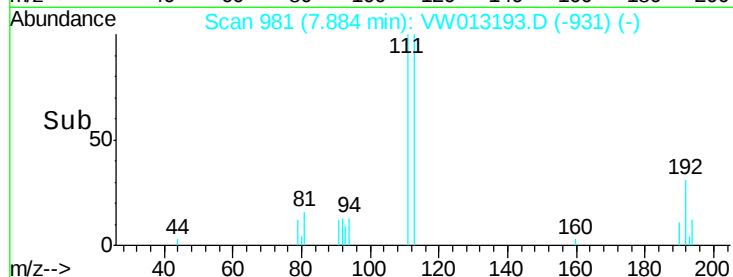
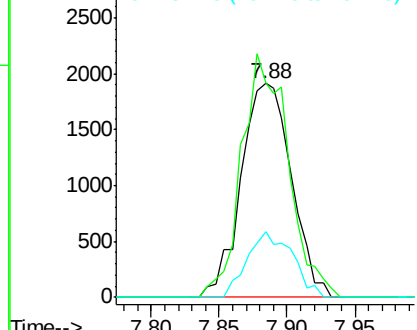
113 100

111 105.0 81.9 122.9

192 27.4 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



#38

Carbon Tetrachloride

Concen: 7.087 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

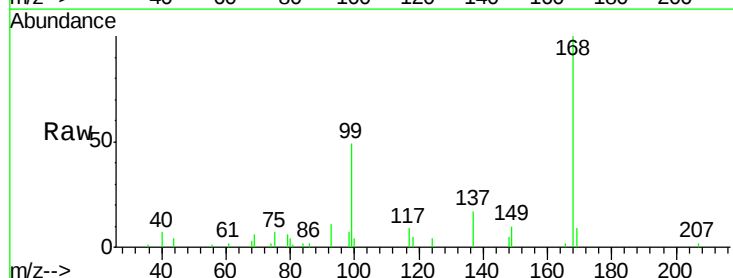
Tgt Ion:117 Resp: 978

Ion Ratio Lower Upper

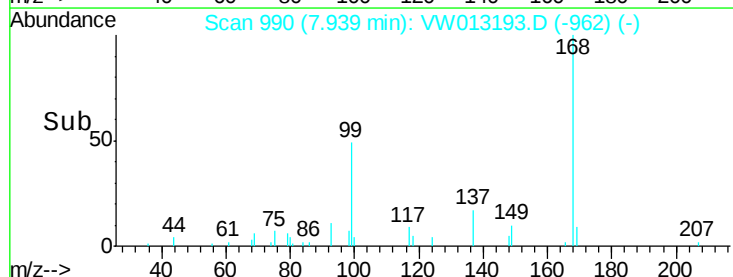
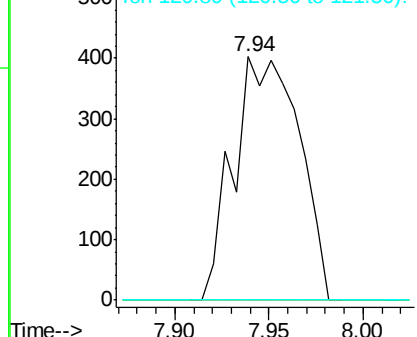
117 100

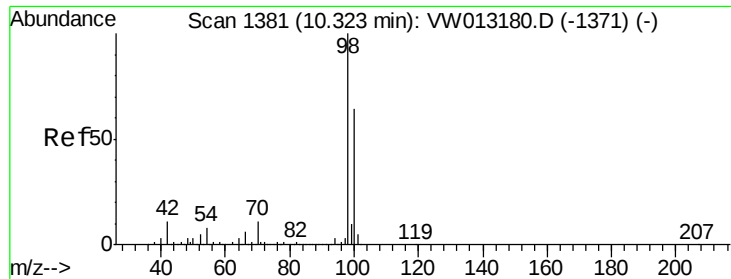
119 0.0 73.5 110.3#

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





#50

Toluene-d8

Concen: 42.167 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

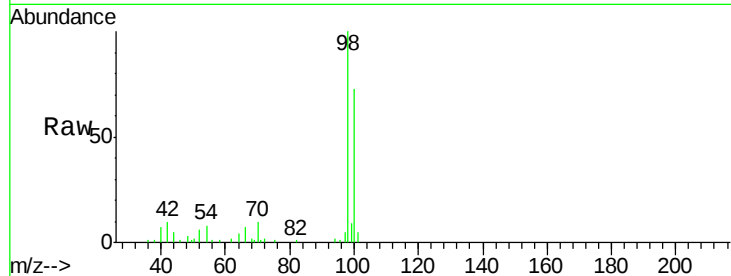
ClientSampleId :

Tot Ion: 98 Resp: 15426

Ion Ratio Lower Upper

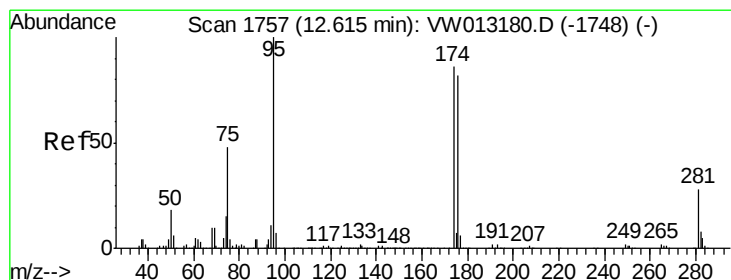
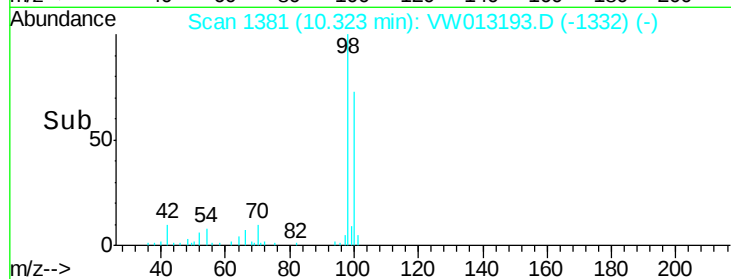
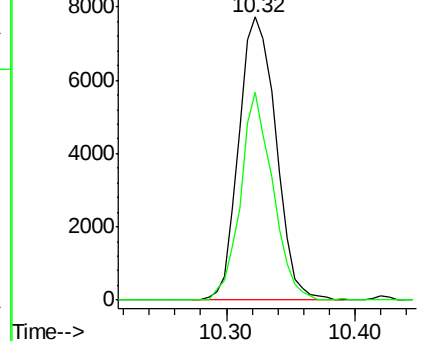
98 100

100 63.7 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: 12.388 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

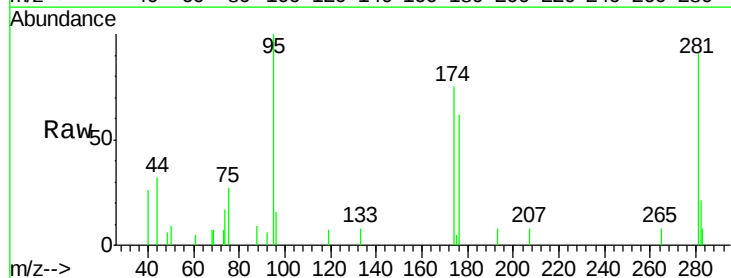
Tgt Ion: 95 Resp: 1548

Ion Ratio Lower Upper

95 100

174 95.9 0.0 178.4

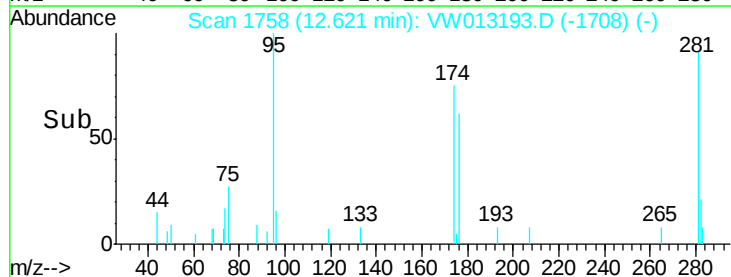
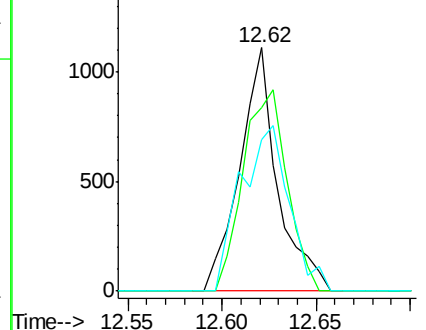
176 87.5 0.0 172.2

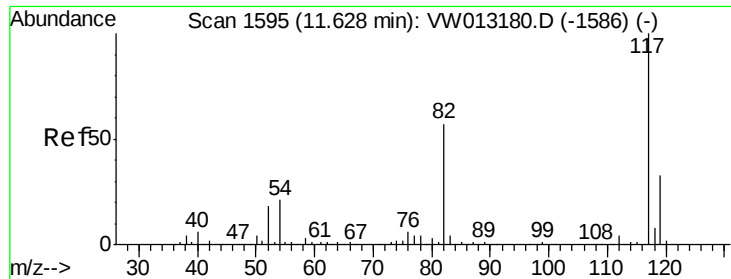


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

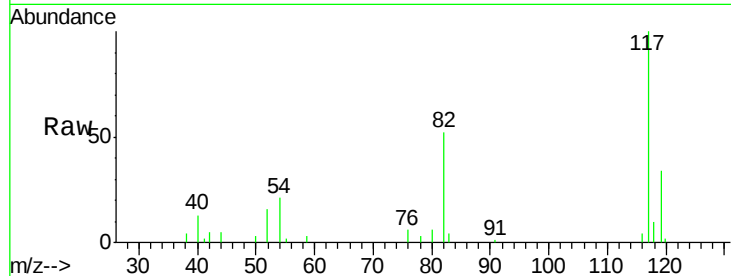




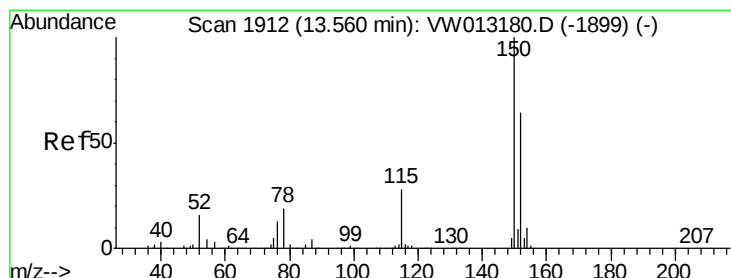
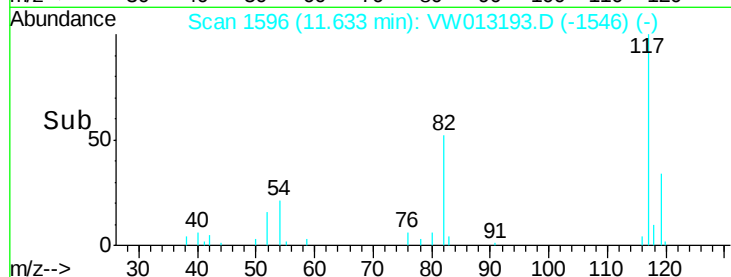
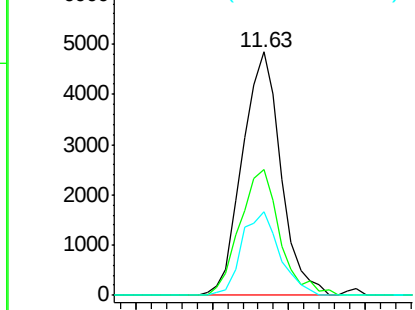
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013193.D
Acq: 20 Sep 2019 20:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 8478
Ion Ratio Lower Upper
117 100
82 51.6 45.9 68.9
119 34.2 26.2 39.2

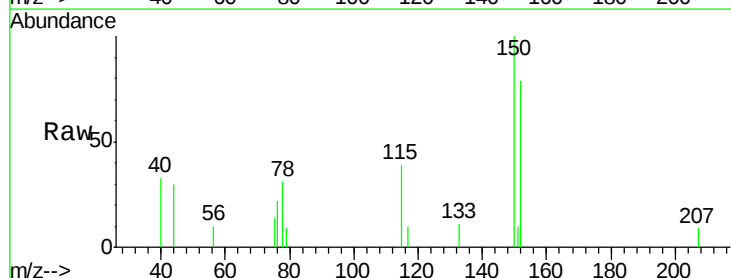


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

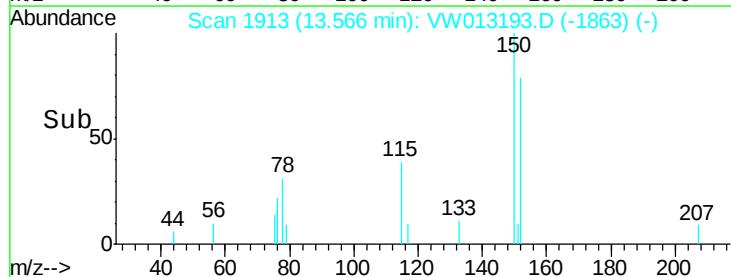
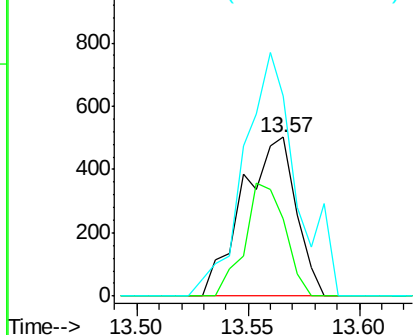


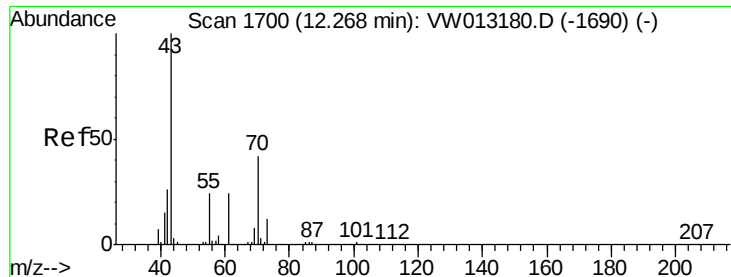
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW013193.D
Acq: 20 Sep 2019 20:09

Tgt Ion:152 Resp: 839
Ion Ratio Lower Upper
152 100
115 53.3 27.3 81.9
150 150.9 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

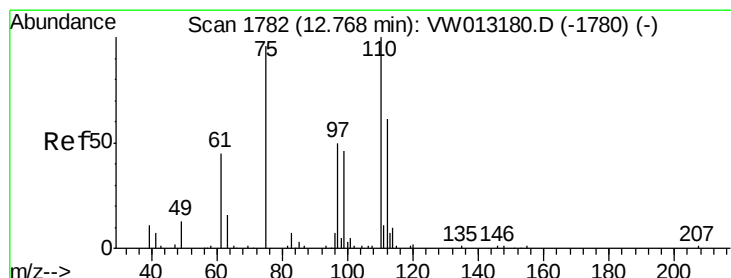
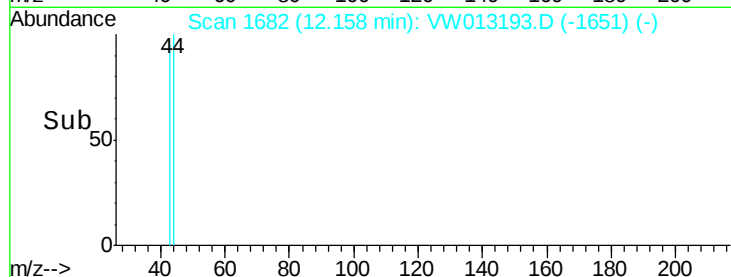
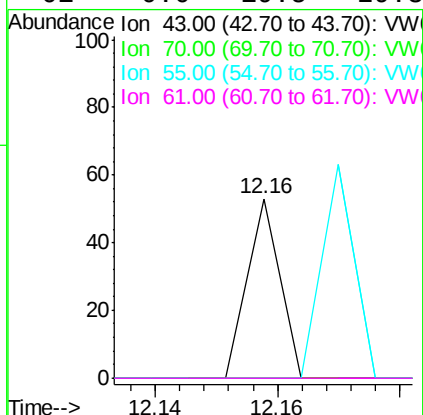
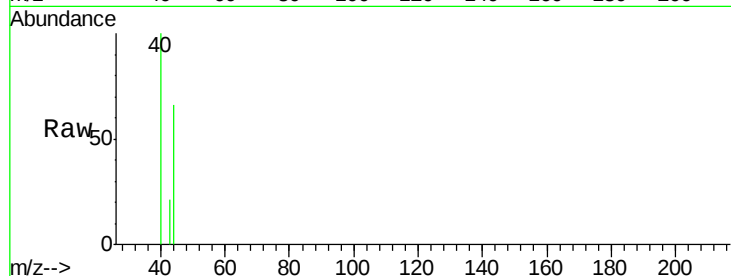




#74
N-amvl acetate
Concen: 1.382 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.11 min
Lab File: VW013193.D
Acq: 20 Sep 2019 20:09

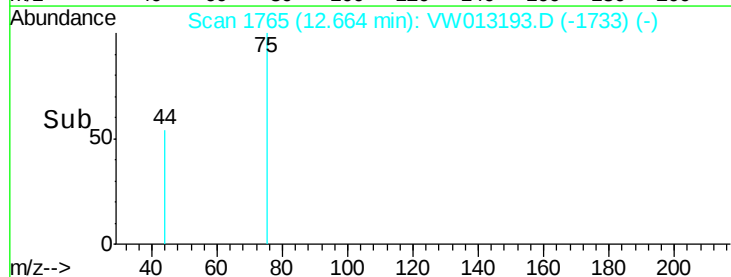
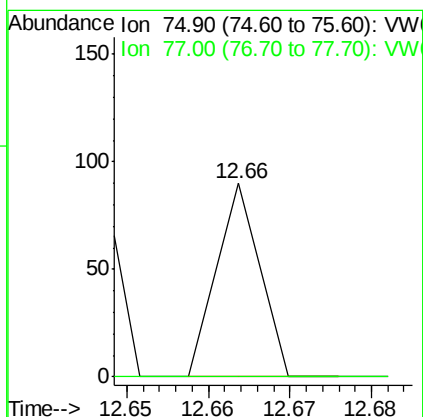
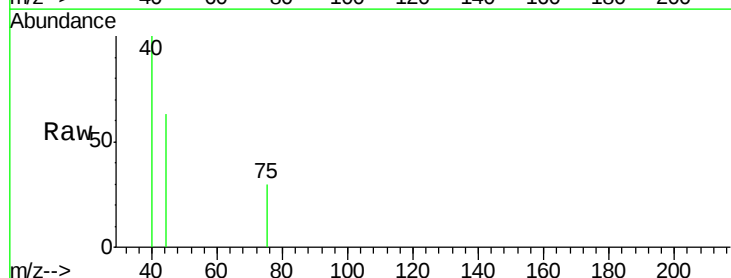
Instrument :
MSVOA_W
ClientSampleId :

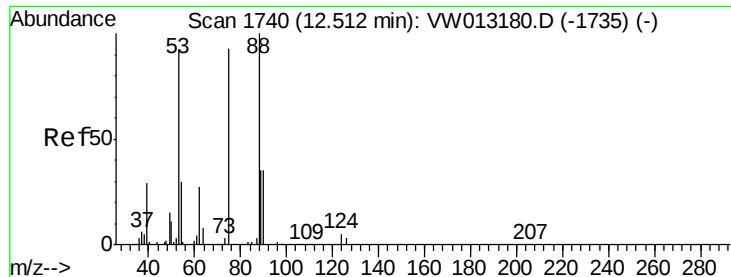
Tot Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 35.1 52.7#
55 121.1 19.9 29.9#
61 0.0 19.5 29.3#



#76
1,2,3-Trichloropropane
Concen: 4.454 ug/l
RT: 12.66 min Scan# 1765
Delta R.T. -0.10 min
Lab File: VW013193.D
Acq: 20 Sep 2019 20:09

Tgt Ion: 75 Resp: 33
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 248.332 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

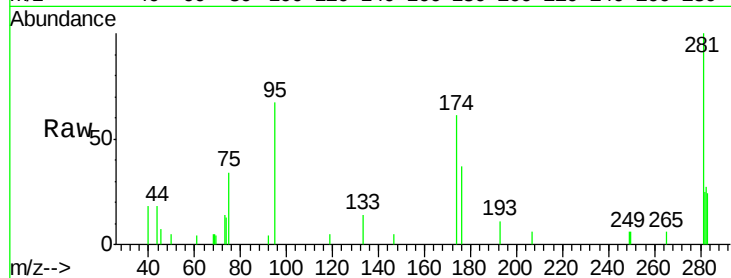
Tot Ion: 75 Resp: 820

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

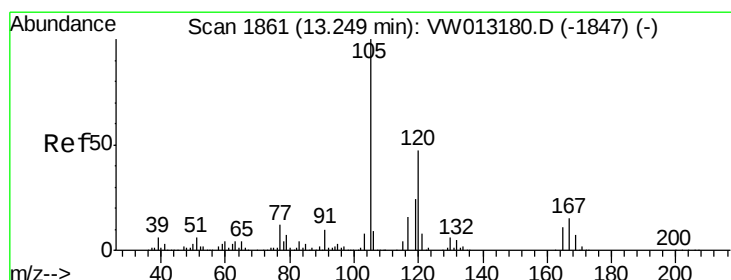
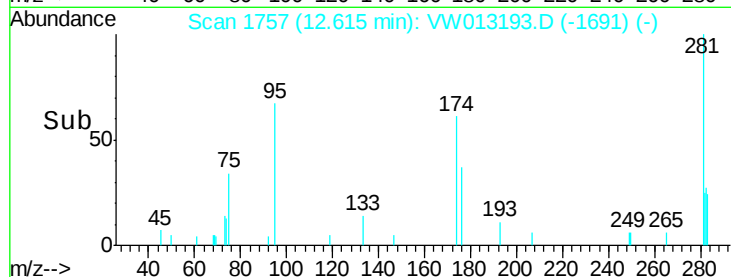
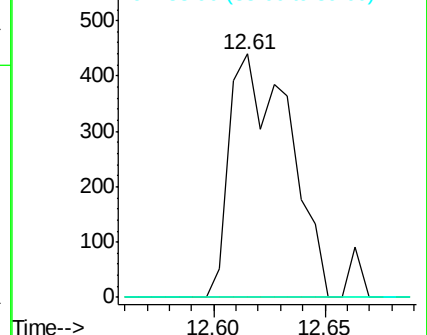
89 0.0 33.5 50.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.022 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW013193.D

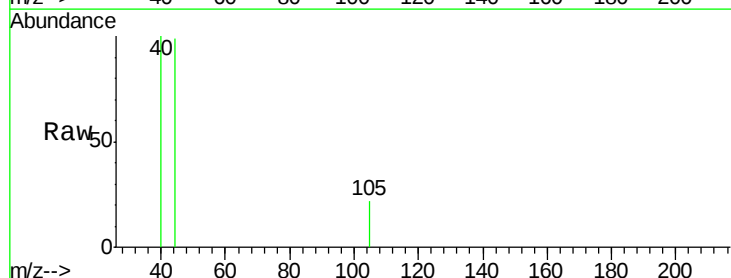
Acq: 20 Sep 2019 20:09

Tgt Ion:105 Resp: 53

Ion Ratio Lower Upper

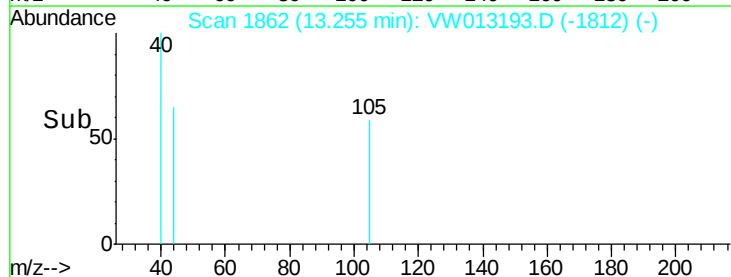
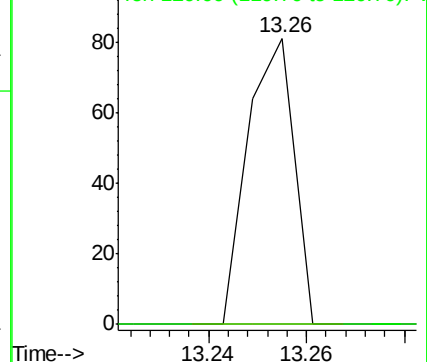
105 100

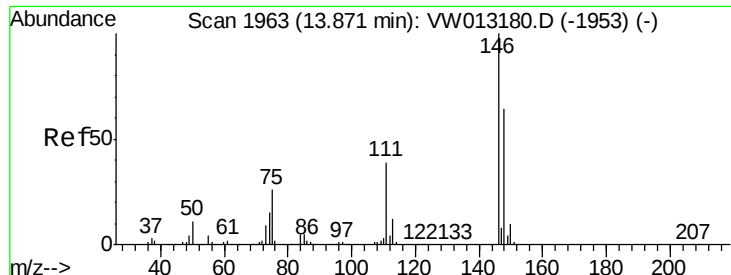
120 0.0 23.4 70.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#91

1,2-Dichlorobenzene

Concen: 1.227 ug/l

RT: 13.79 min Scan# 1949

Delta R.T. -0.09 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

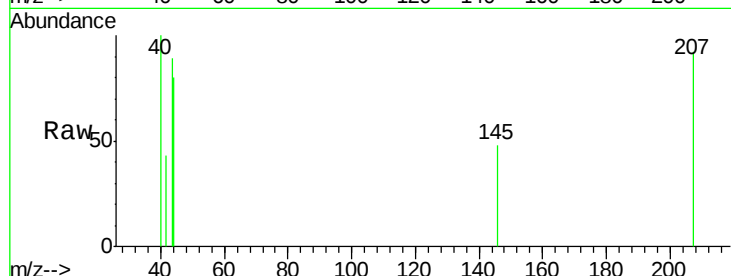
Tot Ion:146 Resp: 30

Ion Ratio Lower Upper

146 100

111 0.0 20.1 60.3#

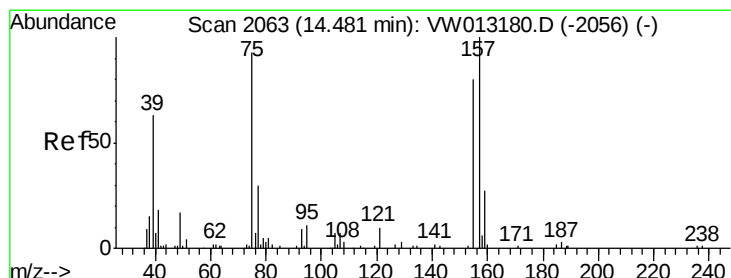
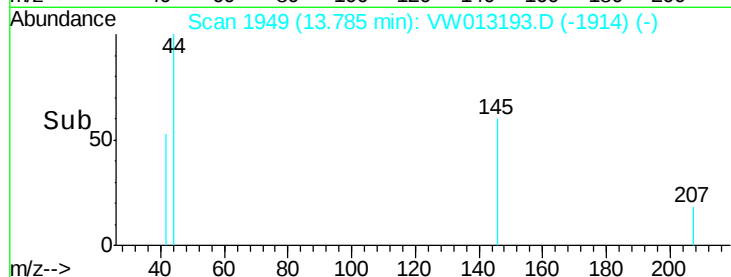
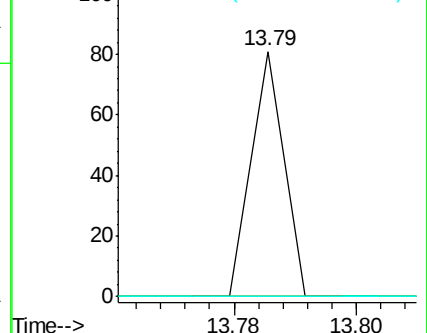
148 0.0 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.292 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.04 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

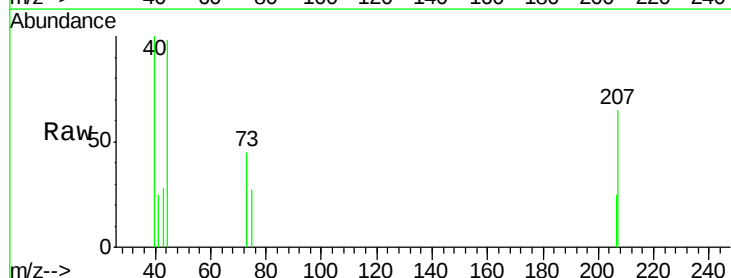
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

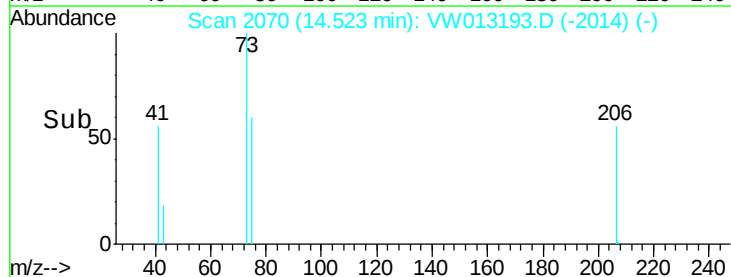
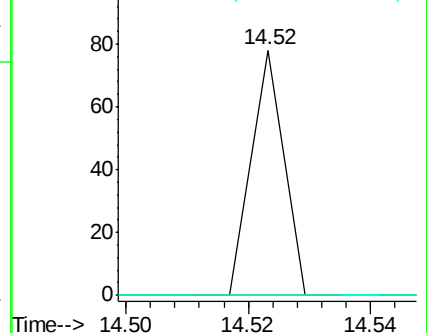
157 0.0 60.4 181.2#

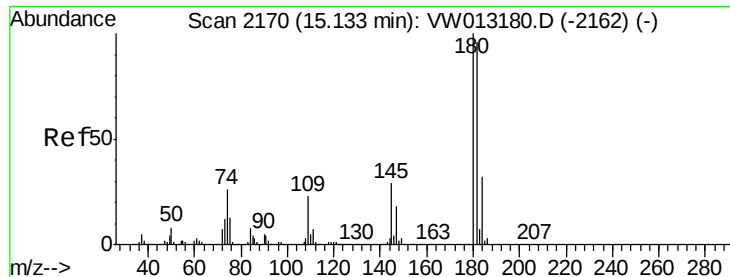


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.169 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

Instrument :

MSVOA_W

ClientSampleId :

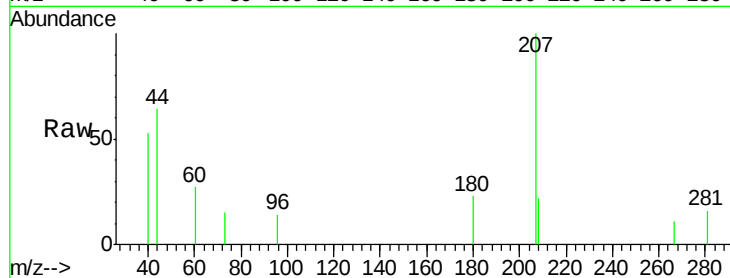
Tot Ion:180 Resp: 38

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

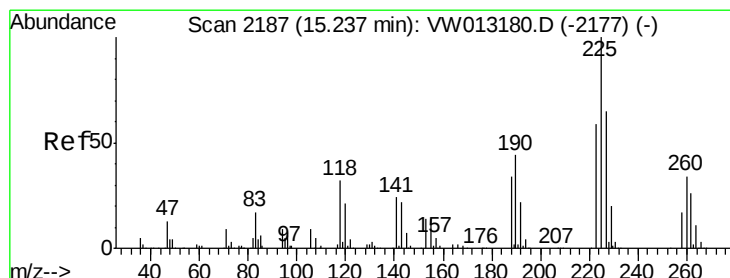
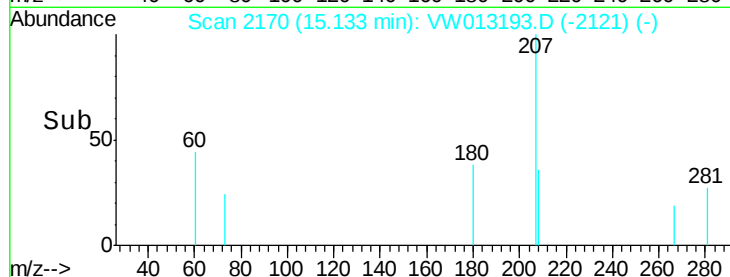
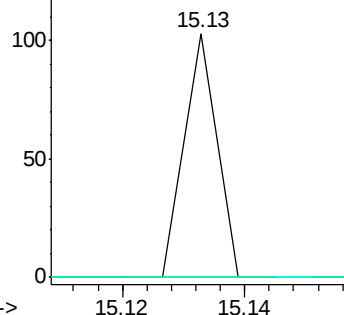
145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 1.585 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VW013193.D

Acq: 20 Sep 2019 20:09

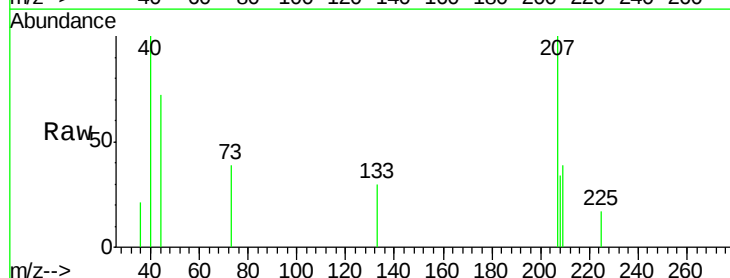
Tgt Ion:225 Resp: 19

Ion Ratio Lower Upper

225 100

223 0.0 30.6 91.8#

227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

