

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013198.D
 Acq On : 20 Sep 2019 22:45
 Operator : SY/VA
 Sample : VW0920SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:55:22 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	316462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175351	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	134687	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	131264	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.32	98	542098	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	170568	45.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.64%	

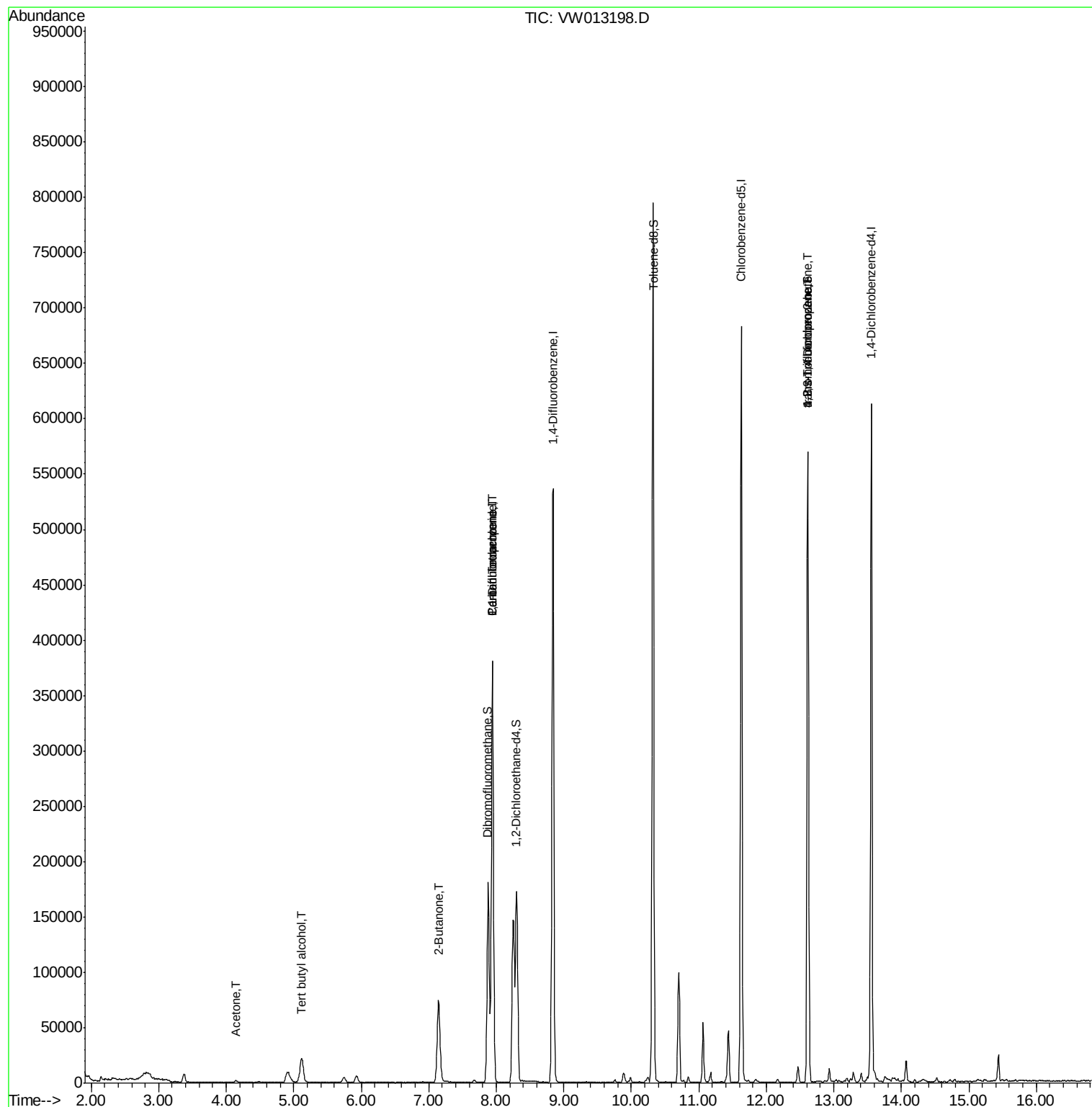
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	21005	107.201	ug/l #	76
16) Acetone	4.15	43	2838	4.873	ug/l #	88
20) Methylene Chloride	4.91	84	7357	Below Cal	#	85
25) 2-Butanone	7.14	43	4272	4.886	ug/l #	88
26) 2,2-Dichloropropane	7.13	77	5976	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	21901	4.776	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27491	6.688	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82108	53.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82108	118.976	ug/l #	12

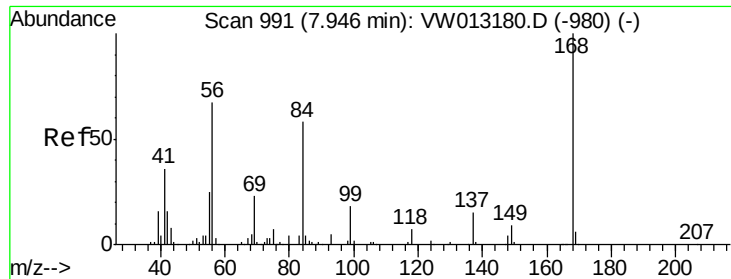
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013198.D

Acq: 20 Sep 2019 22:45

Instrument :

MSVOA_W

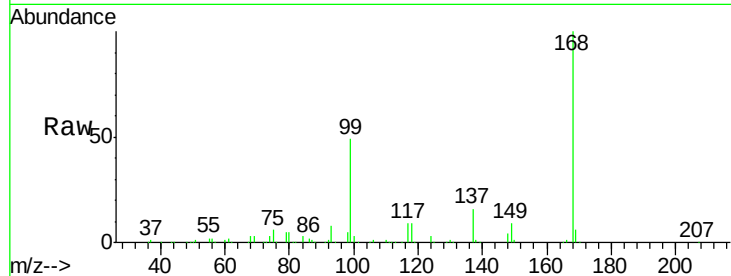
ClientSampleId :

Tot Ion:168 Resp: 316462

Ion Ratio Lower Upper

168 100

99 48.9 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

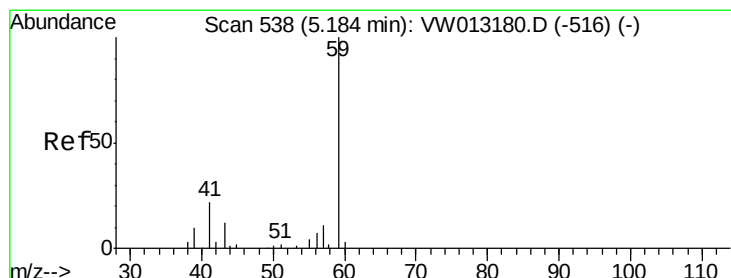
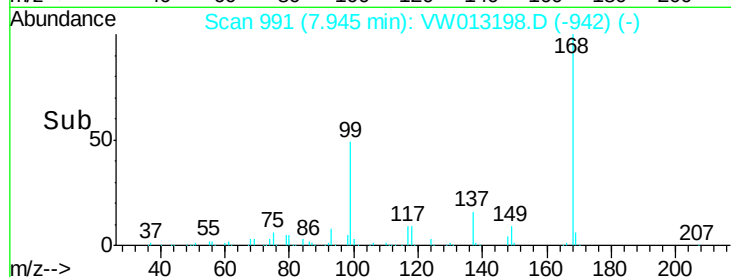
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 107.201 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013198.D

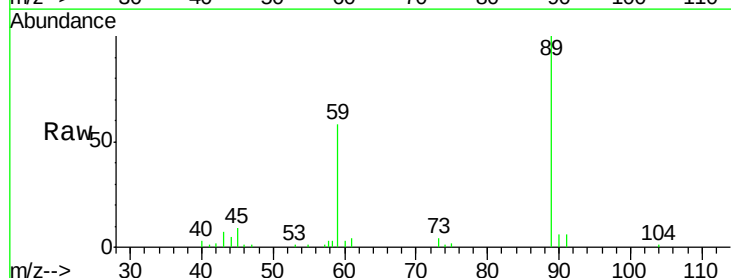
Acq: 20 Sep 2019 22:45

Tgt Ion: 59 Resp: 21005

Ion Ratio Lower Upper

59 100

57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

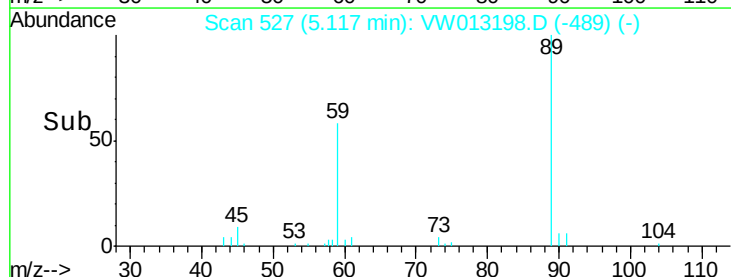
6000

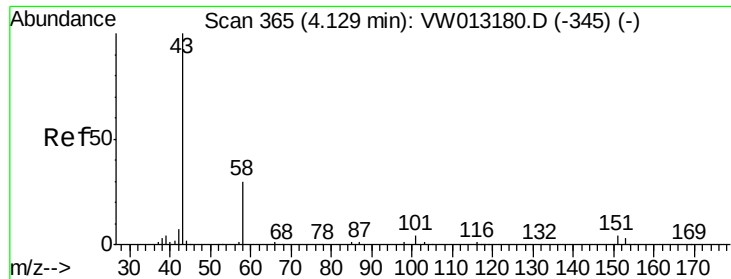
4000

2000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 4.873 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013198.D

Acq: 20 Sep 2019 22:45

Instrument :

MSVOA_W

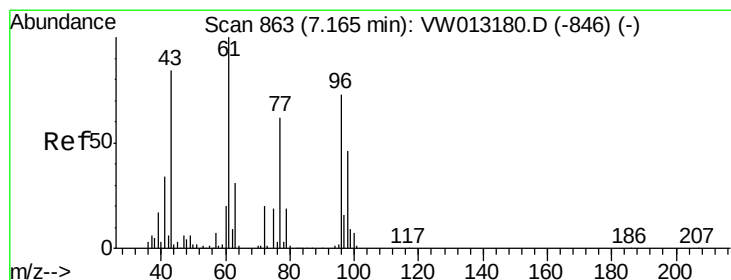
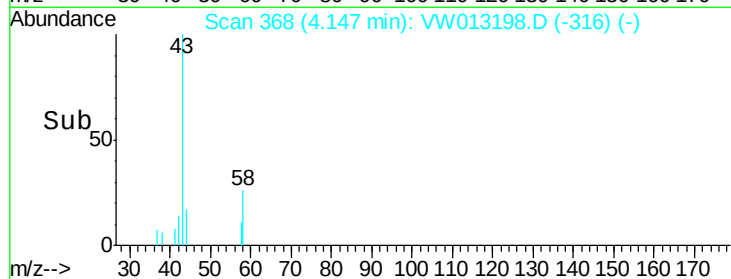
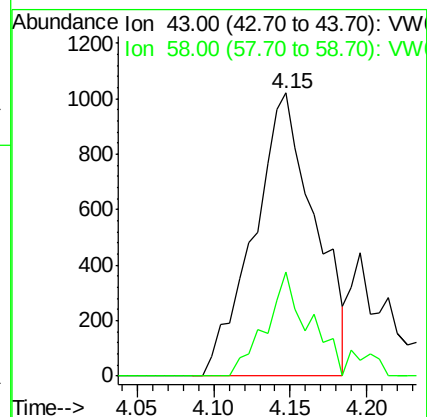
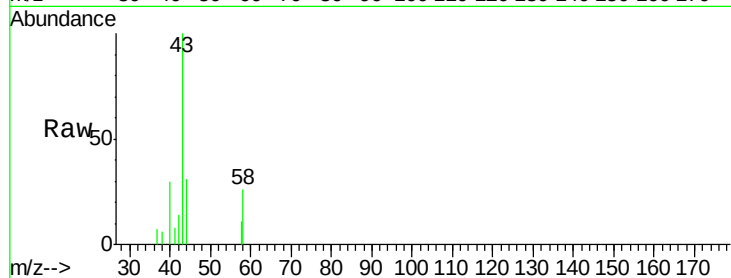
ClientSampled :

Tot Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

58 36.7 24.1 36.1#



#25

2-Butanone

Concen: 4.886 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013198.D

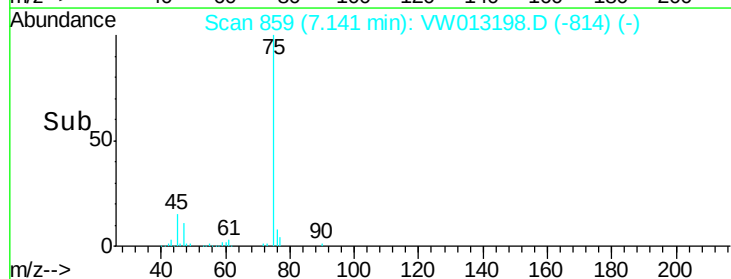
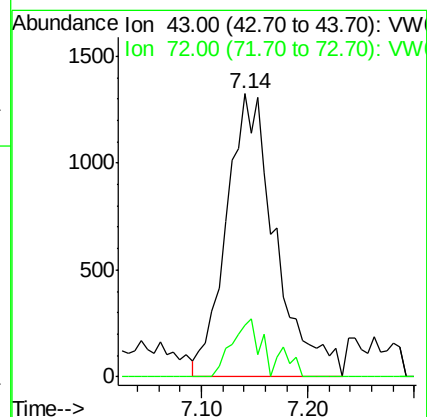
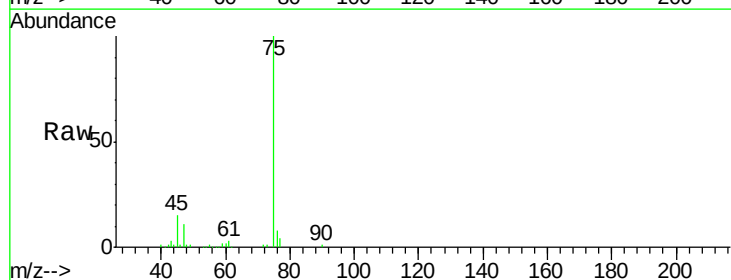
Acq: 20 Sep 2019 22:45

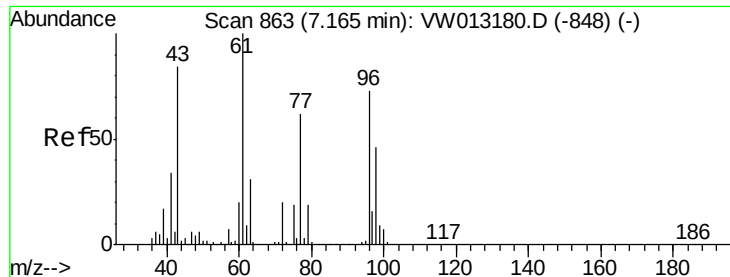
Tgt Ion: 43 Resp: 4272

Ion Ratio Lower Upper

43 100

72 18.4 19.4 29.0#

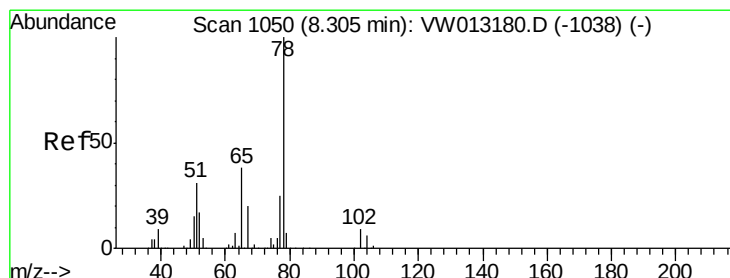
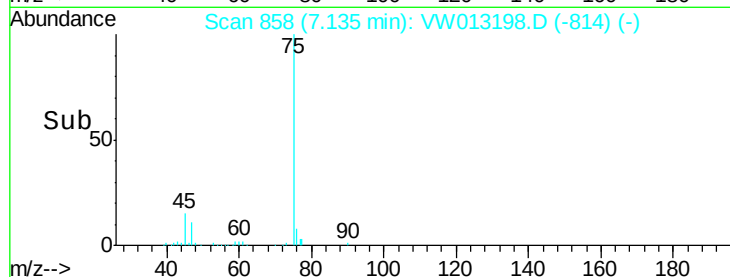
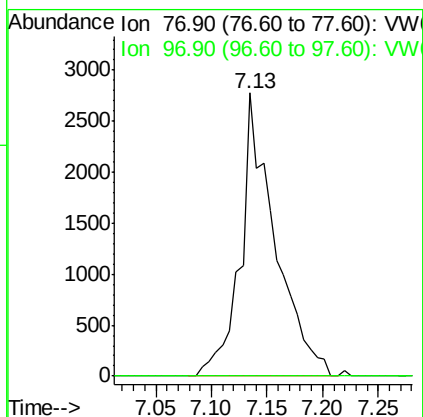
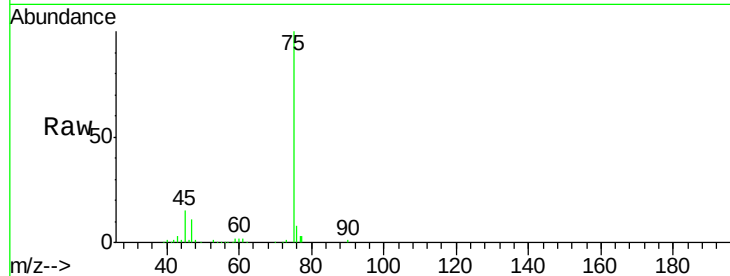




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

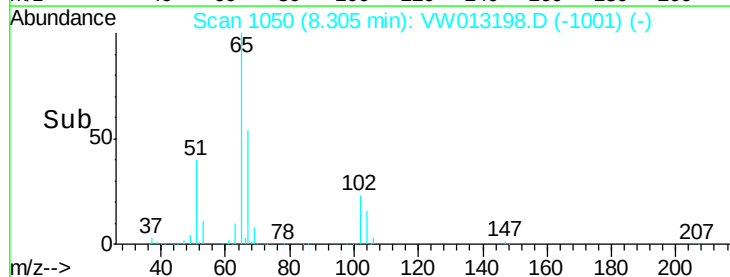
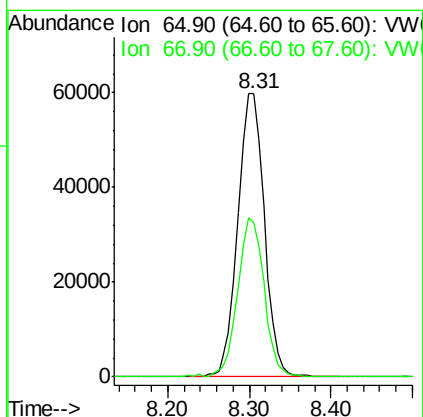
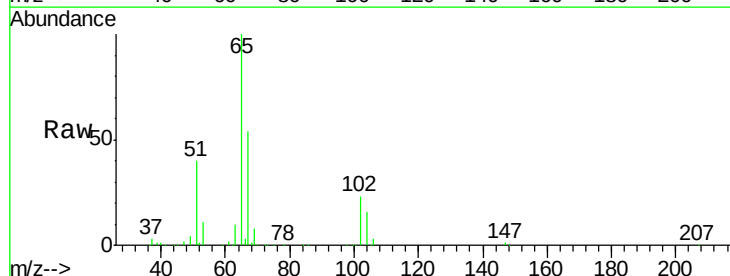
Instrument :
 MSVOA_W
 ClientSampled :

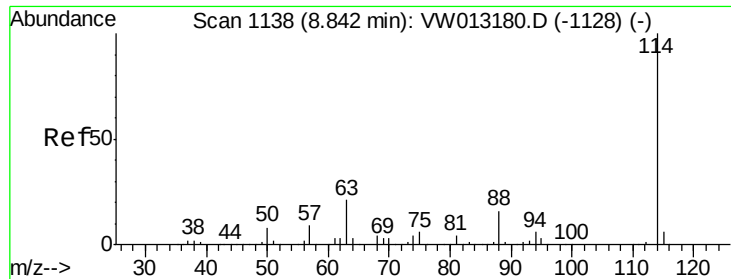
Tot Ion: 77 Resp: 5976
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#33
 1,2-Dichloroethane-d4
 Concen: 52.148 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion: 65 Resp: 134687
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 106.2

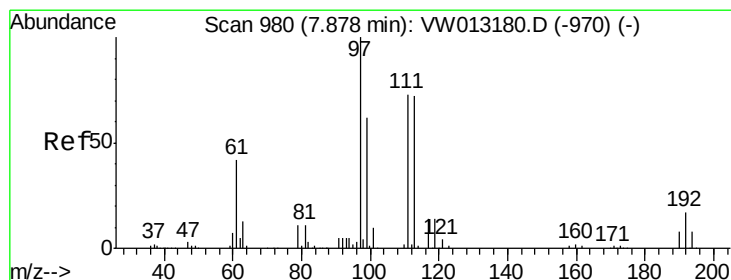
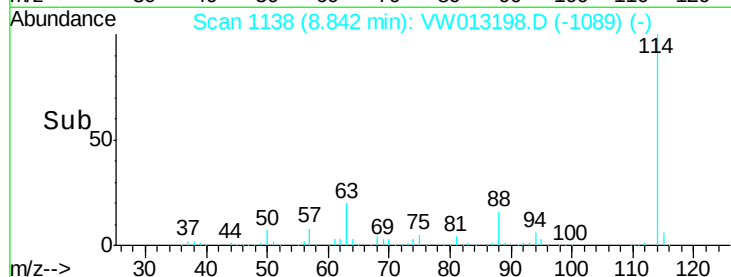
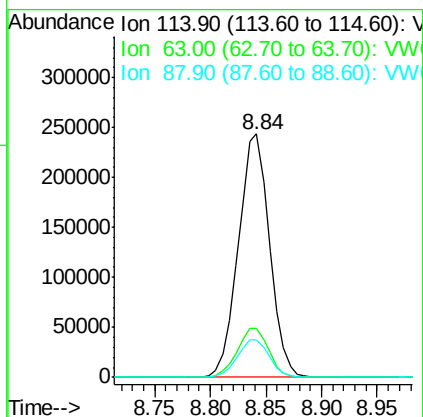
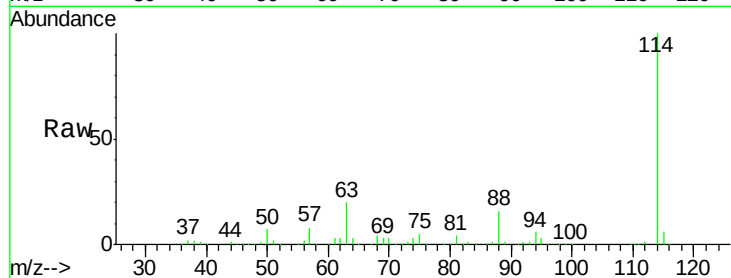




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

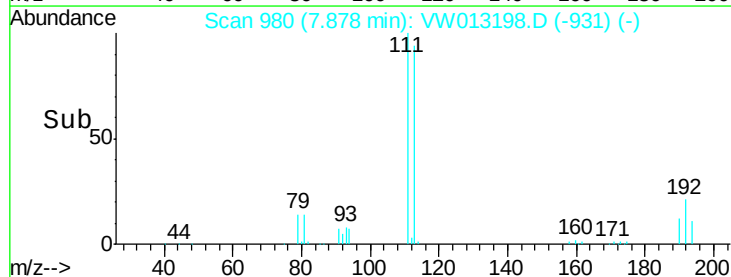
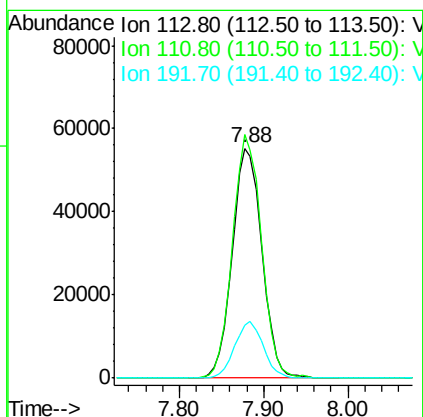
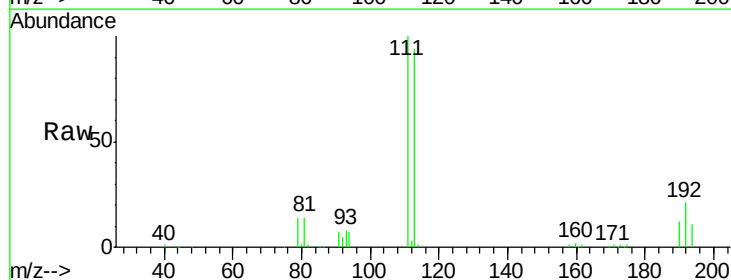
Instrument :
 MSVOA_W
 ClientSampleId :

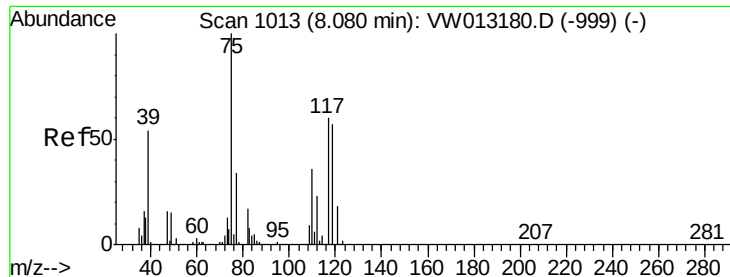
Tot Ion:114 Resp: 473428
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 50.411 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013198.D
 Acq: 20 Sep 2019 22:45

Tgt Ion:113 Resp: 131264
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 23.6 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.776 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013198.D

Acq: 20 Sep 2019 22:45

Instrument :

MSVOA_W

ClientSampled :

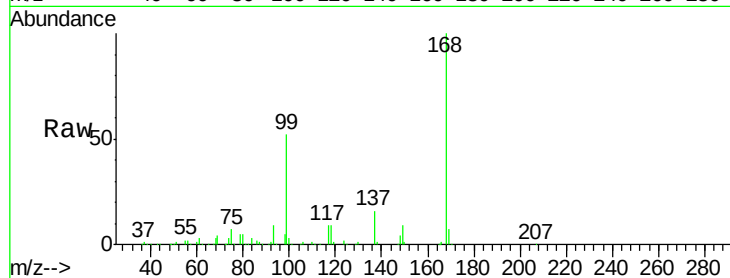
Tot Ion: 75 Resp: 21901

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

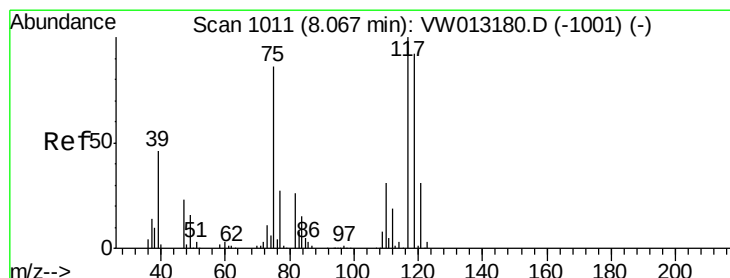
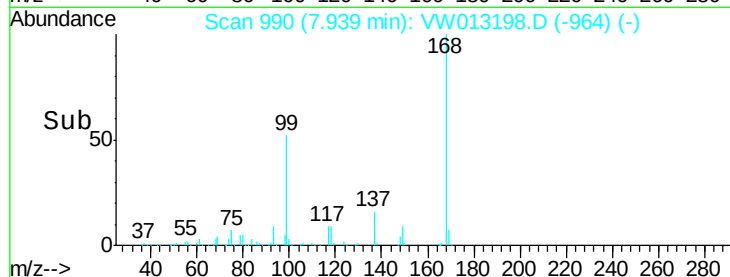
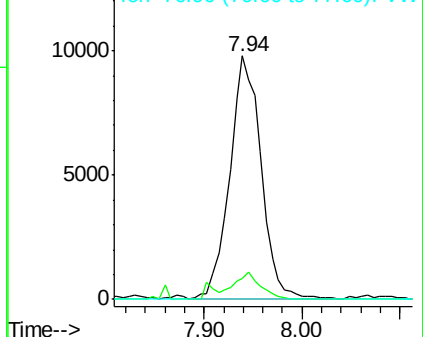
77 0.0 25.8 38.6#



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: 6.688 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013198.D

Acq: 20 Sep 2019 22:45

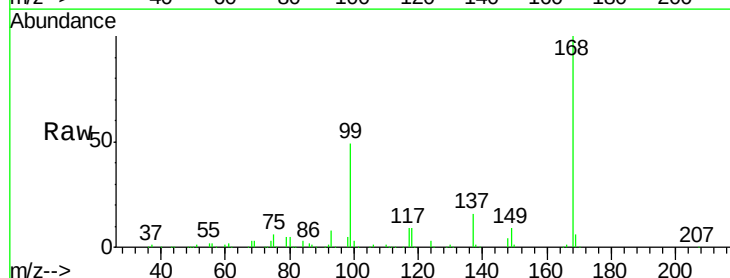
Tgt Ion: 117 Resp: 27491

Ion Ratio Lower Upper

117 100

119 4.5 73.5 110.3#

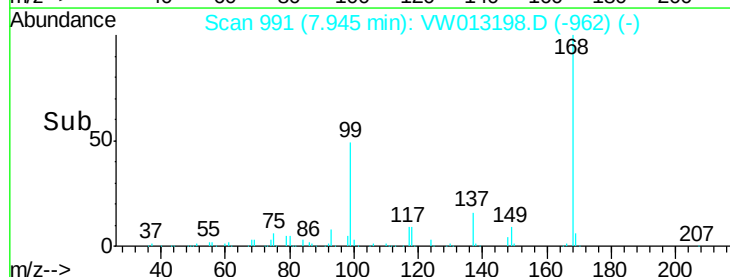
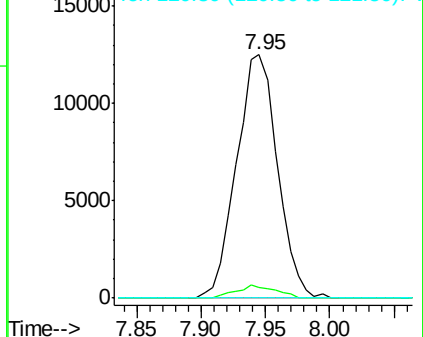
121 0.0 25.0 37.6#

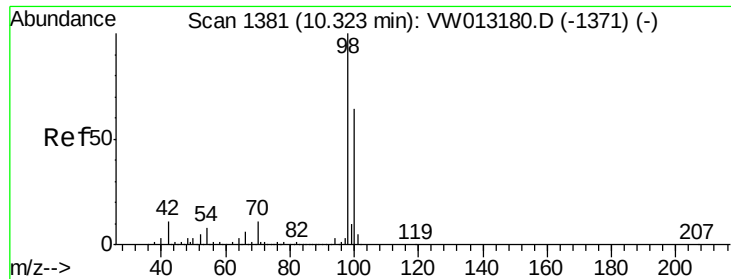


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

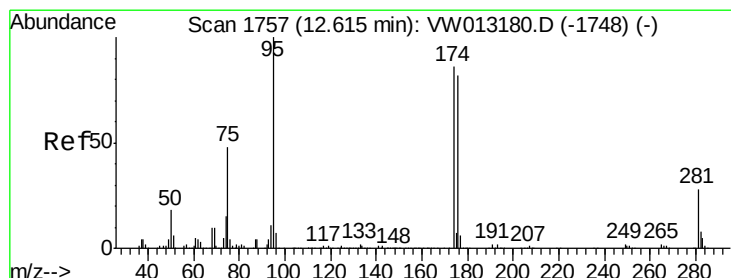
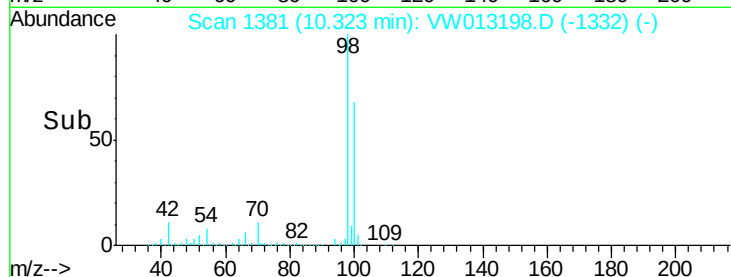
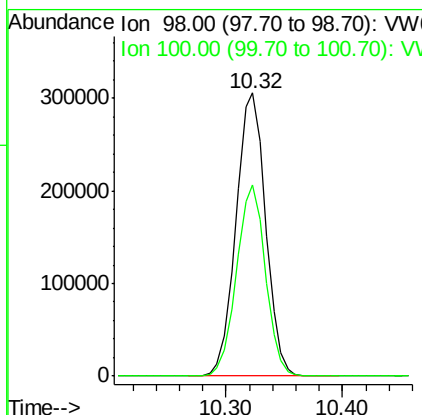
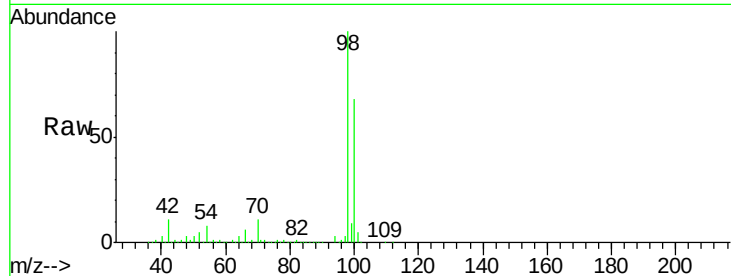




#50
Toluene-d8
Concen: 49.745 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

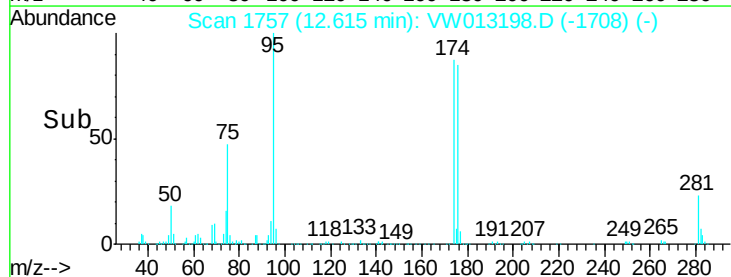
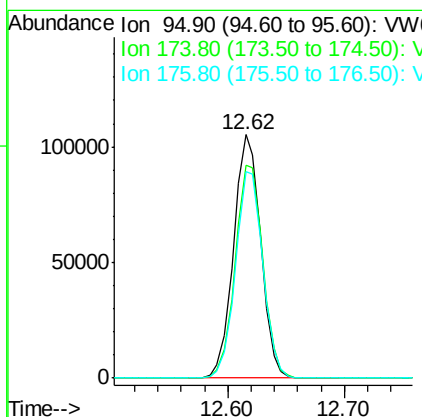
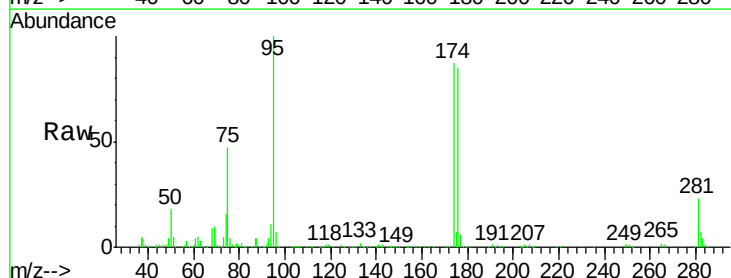
Instrument :
MSVOA_W
ClientSampleId :

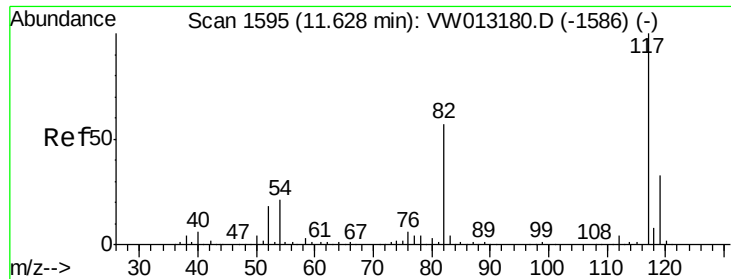
Tot Ion: 98 Resp: 542098
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.821 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

Tgt Ion: 95 Resp: 170568
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.4
176 85.6 0.0 172.2

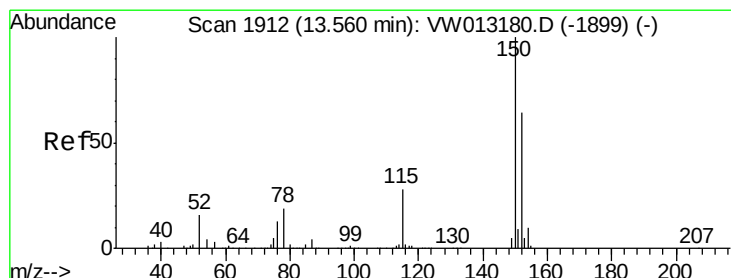
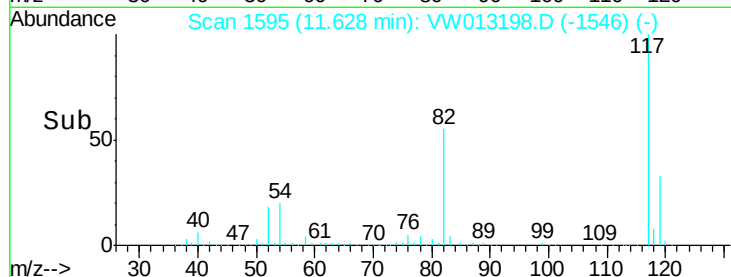
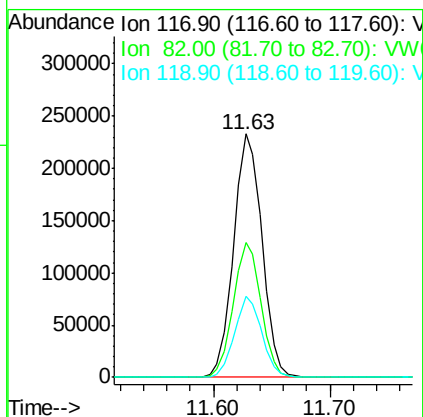
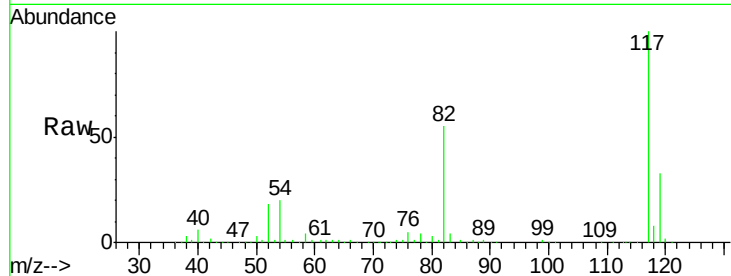




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

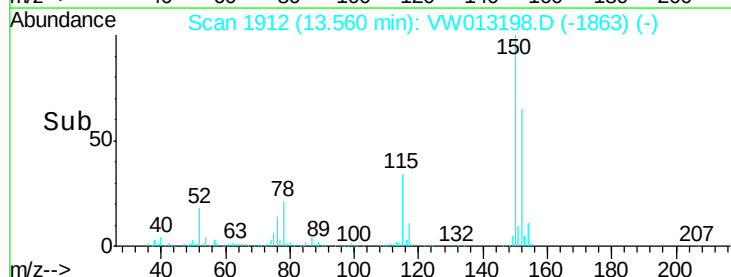
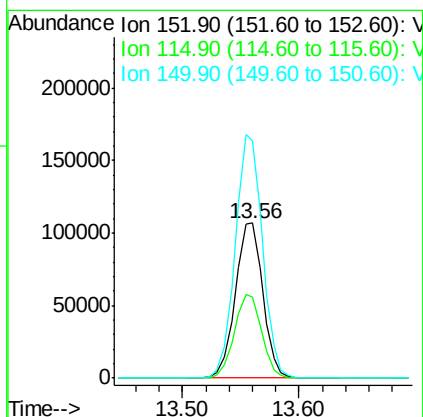
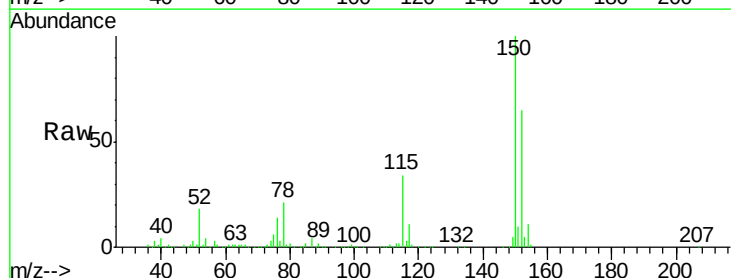
Instrument :
MSVOA_W
ClientSampled :

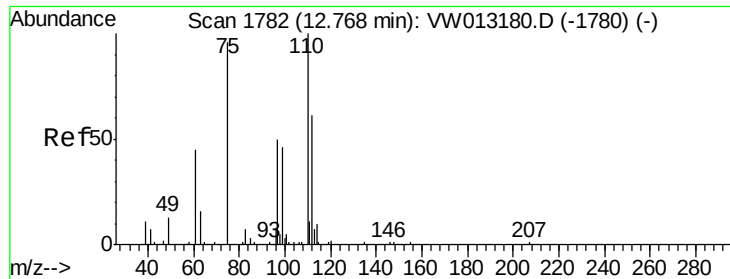
Tot Ion:117 Resp: 395558
Ion Ratio Lower Upper
117 100
82 55.4 45.9 68.9
119 33.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

Tgt Ion:152 Resp: 175351
Ion Ratio Lower Upper
152 100
115 53.9 27.3 81.9
150 155.8 0.0 349.0



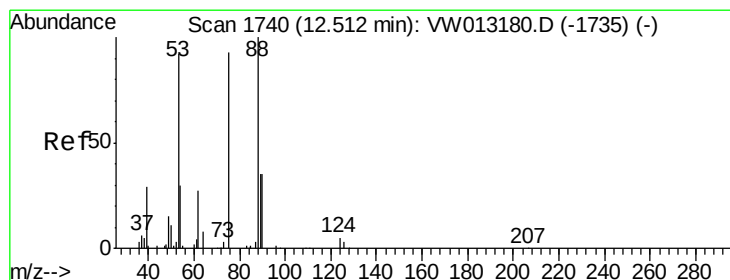
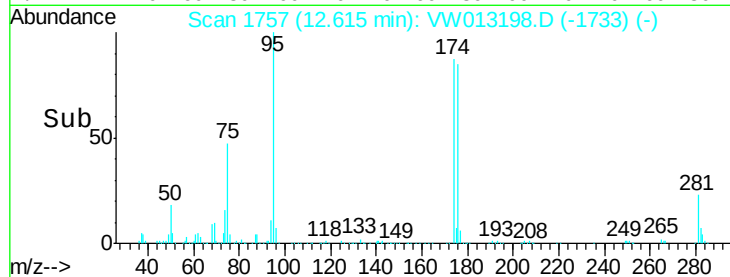
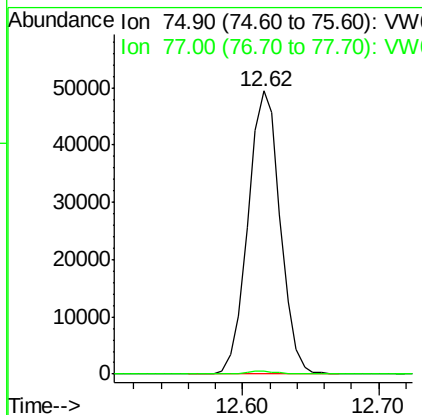
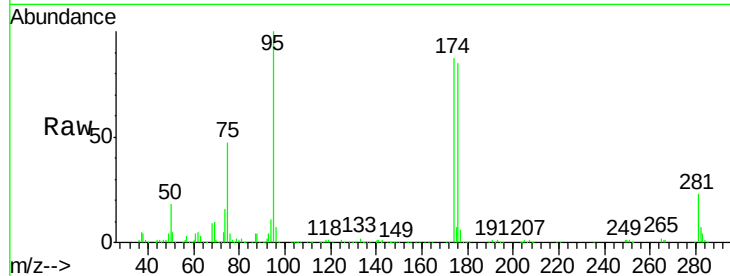


#76

1,2,3-Trichloropropane
Concen: 53.021 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 82108
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 118.976 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013198.D
Acq: 20 Sep 2019 22:45

Tgt Ion: 75 Resp: 82108
Ion Ratio Lower Upper
75 100
53 0.0 76.6 114.8#
89 0.3 33.5 50.3#

