

Data File : VW013978.D
Acq On : 12 Nov 2019 16:30
Operator : SY/VA
Sample : K5722-14RE
Misc : 6.46G/5.0ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
2-A

Quant Time: Nov 13 06:43:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118577	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
35) Dibromofluoromethane	7.88	113	125011	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.32	98	486900	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	144861	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	

Target Compounds

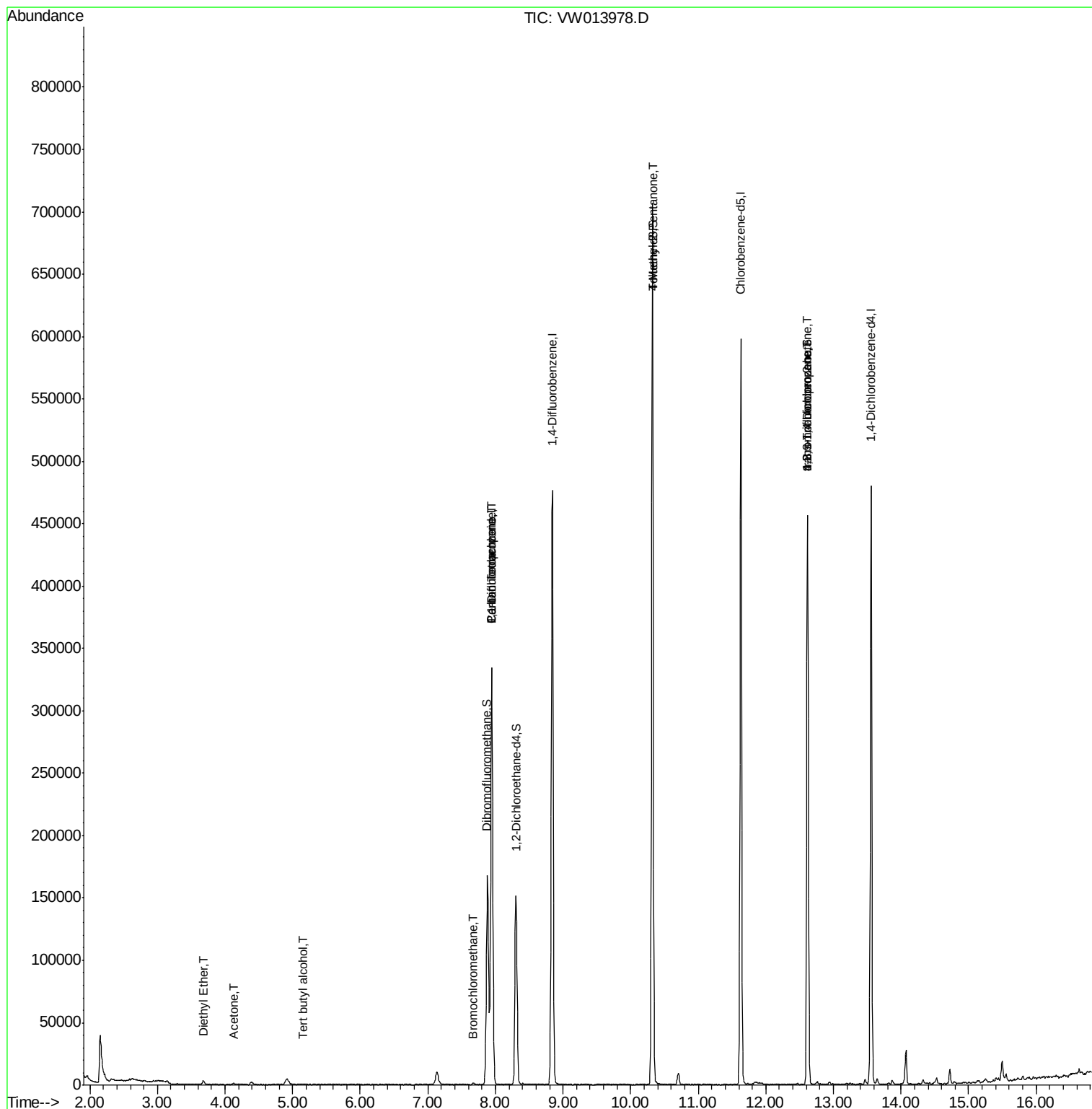
						Qvalue
8) Diethyl Ether	3.68	74	1673	1.394	ug/l	81
11) Tert butyl alcohol	5.15	59	1144	9.182	ug/l #	77
16) Acetone	4.13	43	1941	4.386	ug/l #	76
20) Methylene Chloride	4.92	84	4348	Below Cal		84
28) Bromochloromethane	7.66	49	22	1.354	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	17843	4.425	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23866	6.573	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1975	1.345	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67118	65.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67118	124.631	ug/l #	14

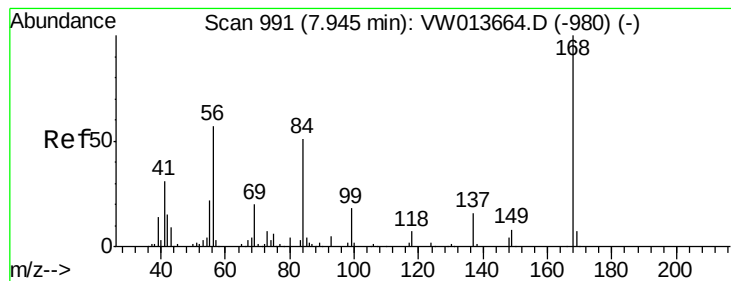
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013978.D

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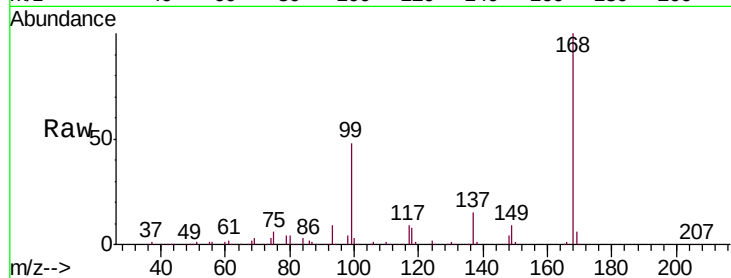
Instrument :
MSVOA_W
ClientSampled :
2-A

Tgt Ion: 168 Resp: 278210

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

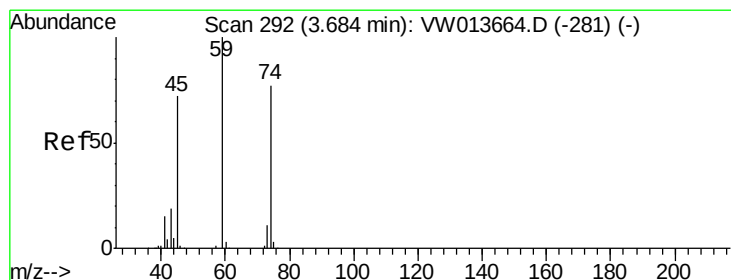
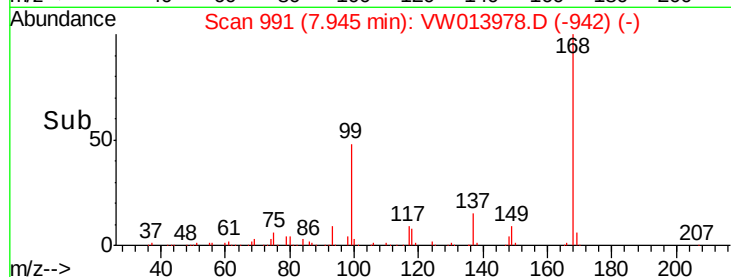
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.394 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW013978.D

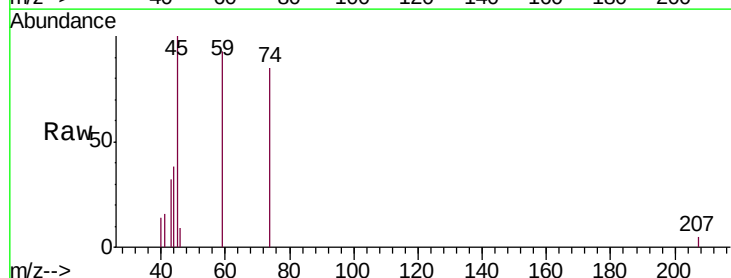
Acq: 12 Nov 2019 16:30

Tgt Ion: 74 Resp: 1673

Ion Ratio Lower Upper

74 100

45 114.2 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

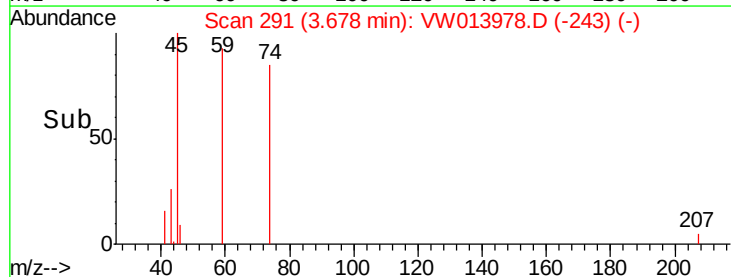
600

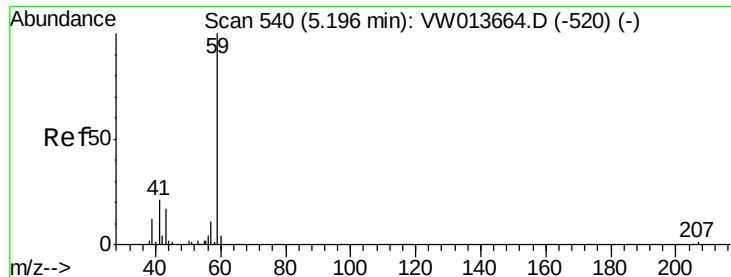
400

200

0

Time-->

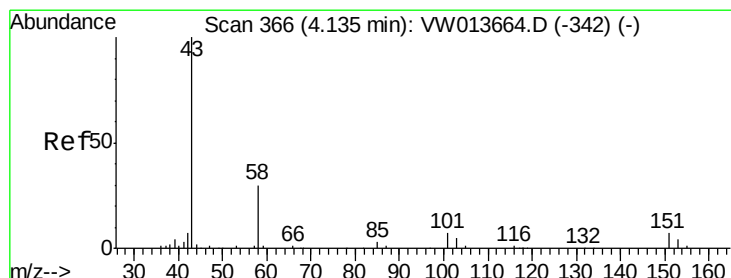
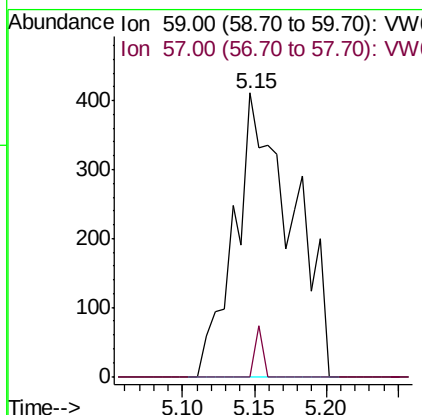
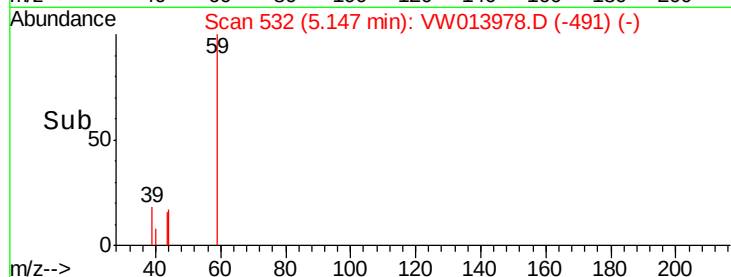
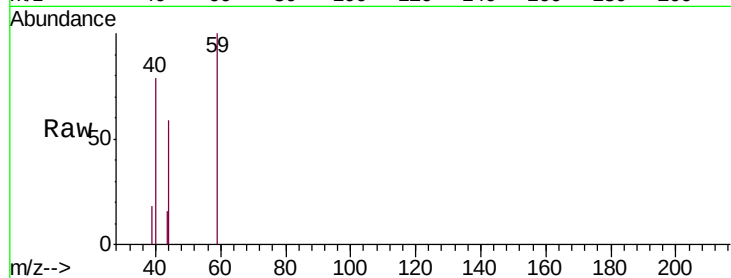




#11
Tert butyl alcohol
Concen: 9.182 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.05 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

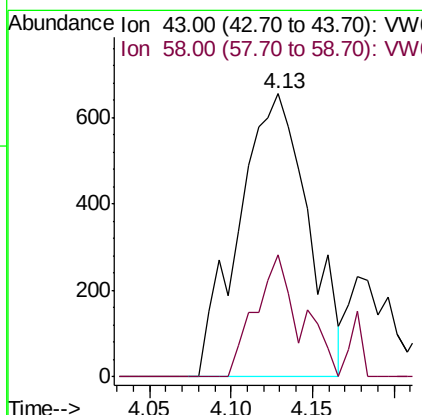
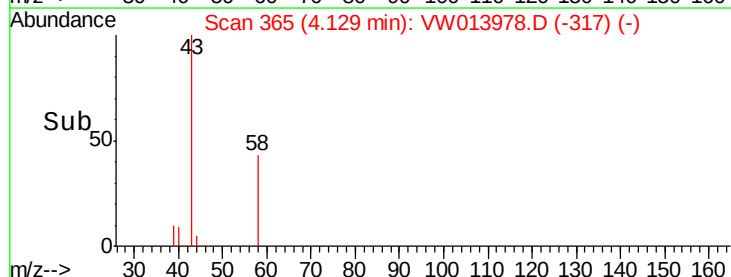
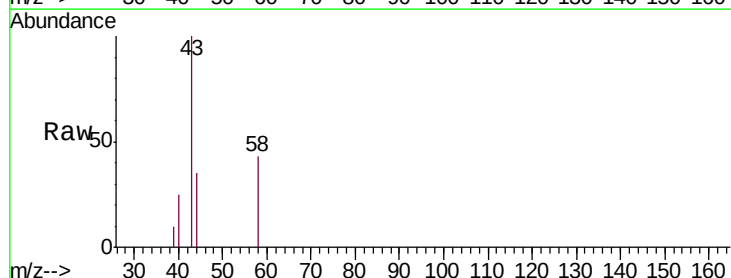
Instrument :
MSVOA_W
ClientSampled :
2-A

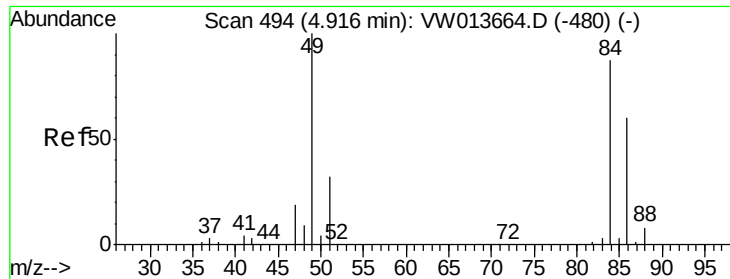
Tgt Ion: 59 Resp: 1144
Ion Ratio Lower Upper
59 100
57 2.4 8.8 13.2#



#16
Acetone
Concen: 4.386 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

Tgt Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
58 43.2 24.1 36.1#

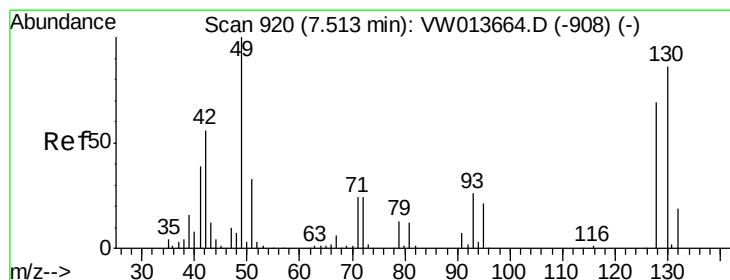
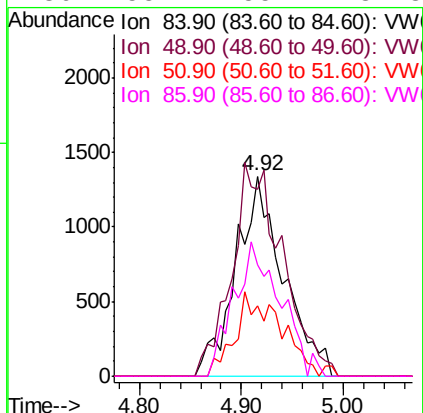
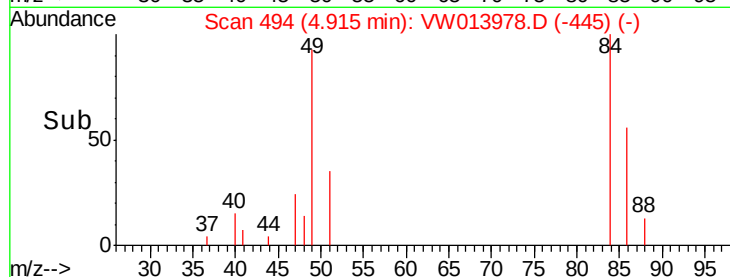
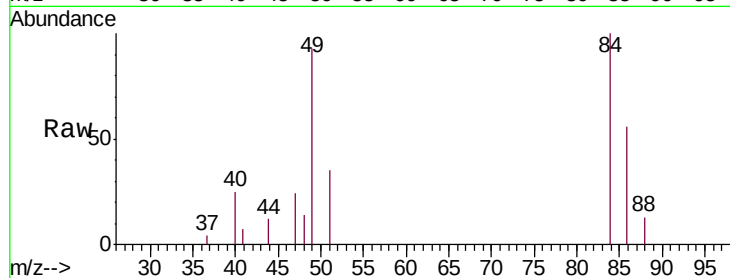




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

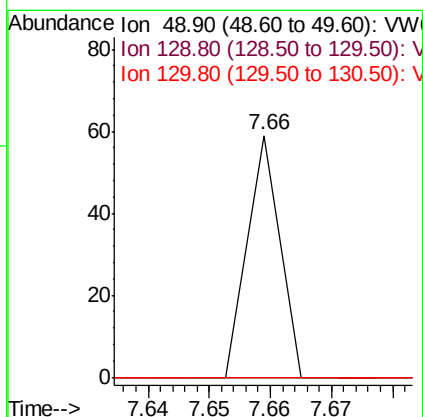
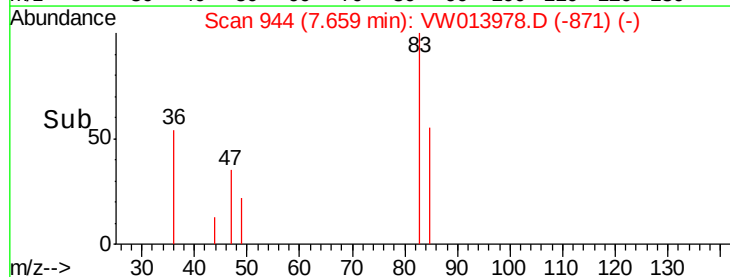
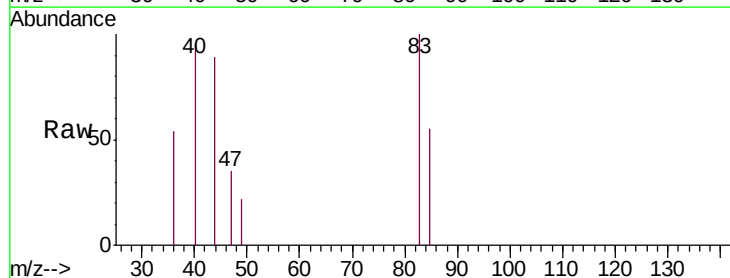
Instrument :
MSVOA_W
ClientSampleId :
2-A

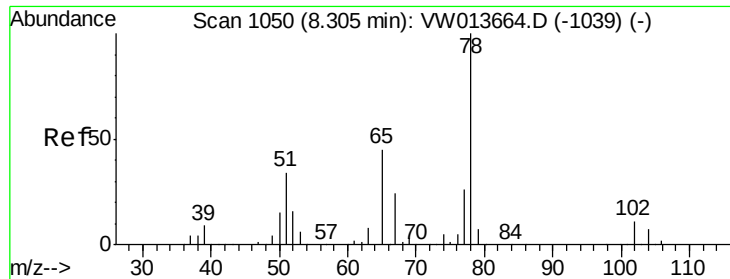
Tgt Ion:	84	Resp:	4348
Ion	Ratio	Lower	Upper
84	100		
49	93.4	91.8	137.6
51	35.5	29.8	44.6
86	55.7	55.2	82.8



#28
Bromochloromethane
Concen: 1.354 ug/l
RT: 7.66 min Scan# 944
Delta R.T. 0.15 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

Tgt Ion:	49	Resp:	22
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.6
130	0.0	67.5	101.3#

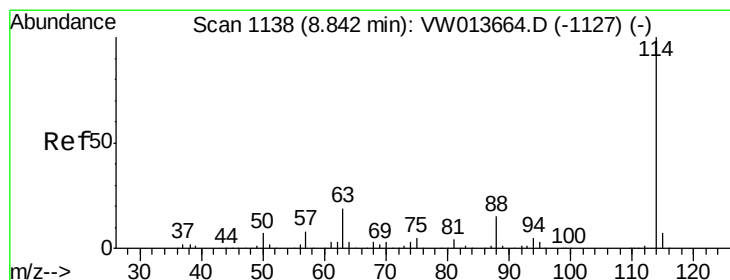
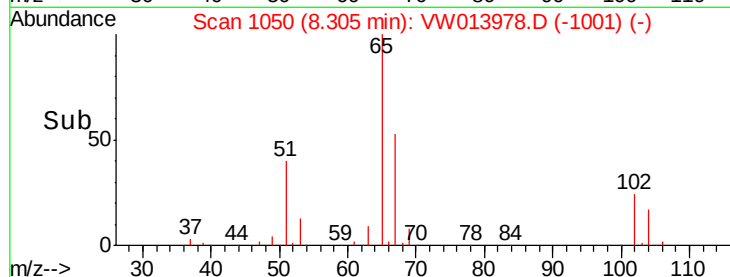
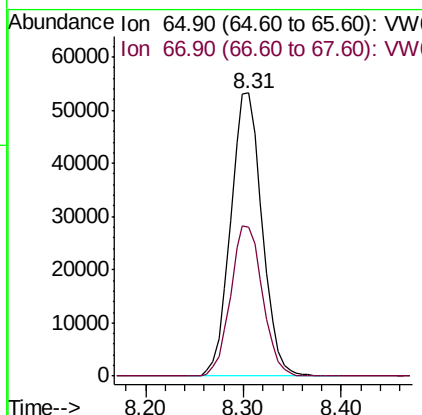
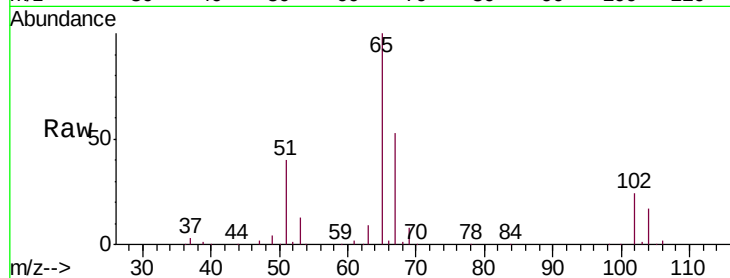




#33
 1,2-Dichloroethane-d4
 Concen: 56.816 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013978.D
 Acq: 12 Nov 2019 16:30

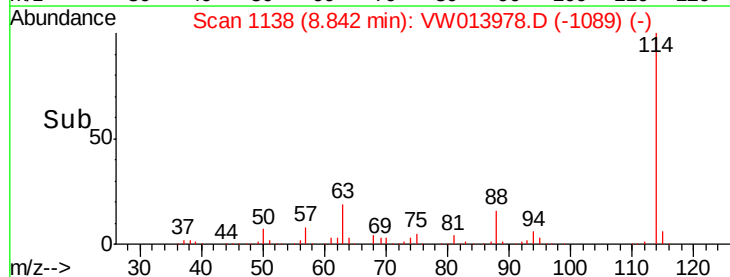
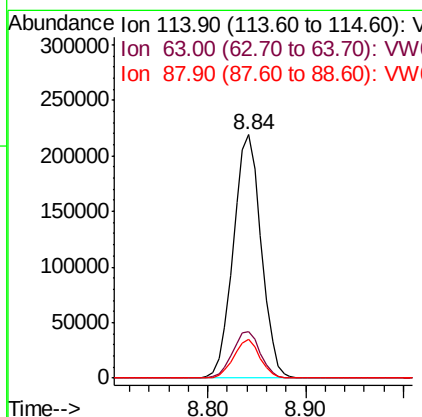
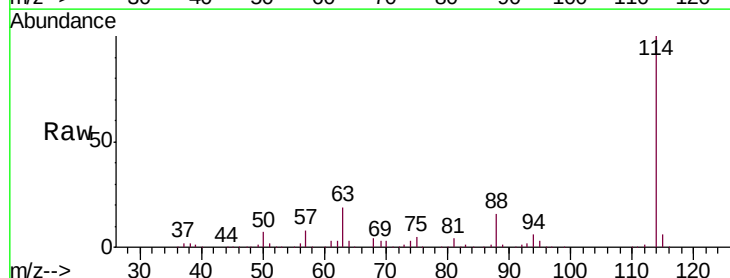
Instrument :
 MSVOA_W
 ClientSampleId :
 2-A

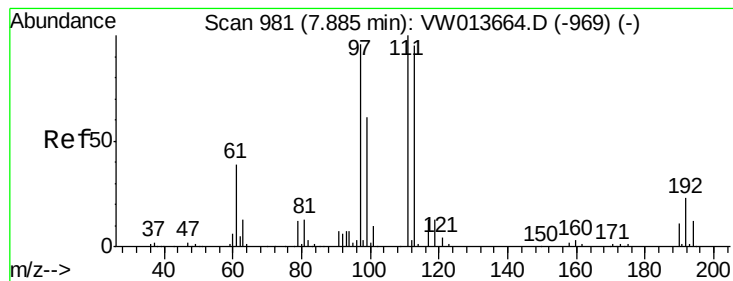
Tgt Ion: 65 Resp: 118577
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013978.D
 Acq: 12 Nov 2019 16:30

Tgt Ion: 114 Resp: 432928
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.967 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

2-A

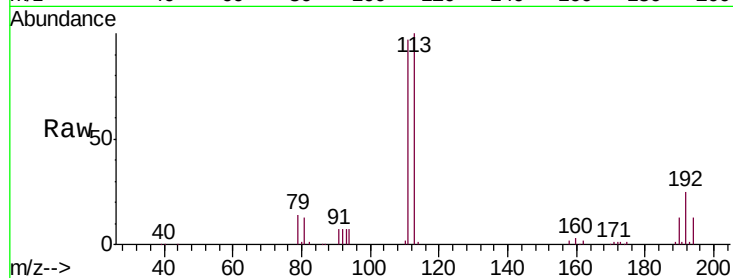
Tgt Ion:113 Resp: 125011

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.6

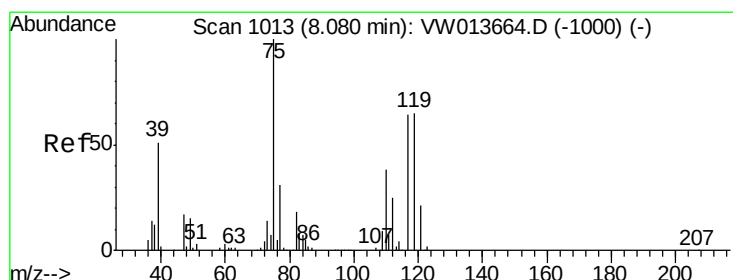
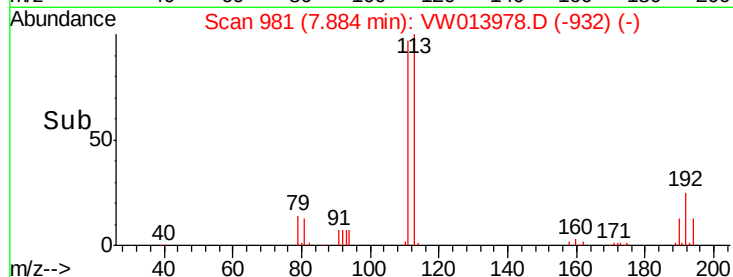
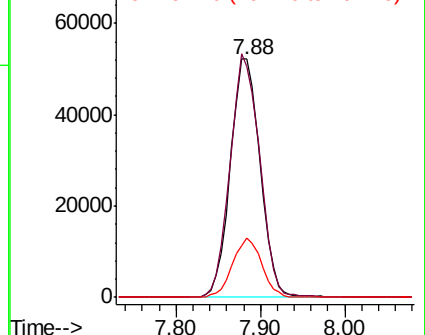
192 24.2 19.4 29.2



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: 4.425 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

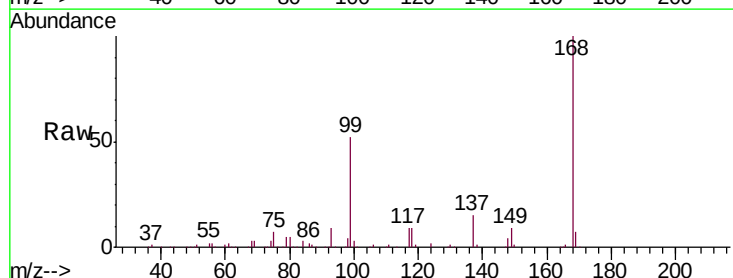
Tgt Ion: 75 Resp: 17843

Ion Ratio Lower Upper

75 100

110 9.7 18.7 56.1#

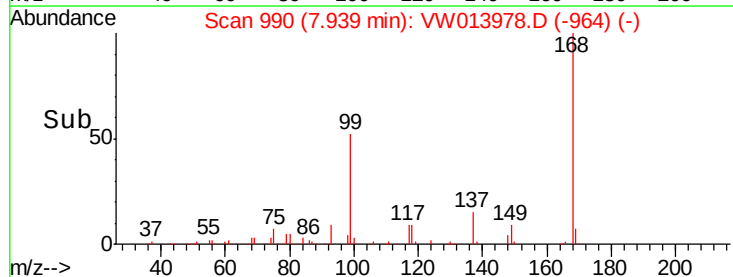
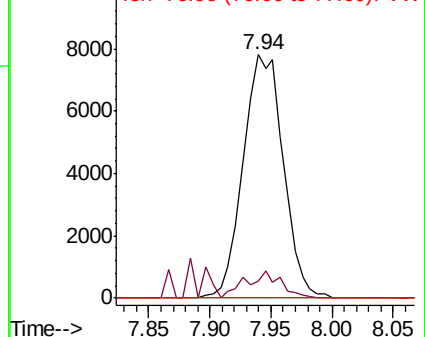
77 0.0 25.4 38.0#

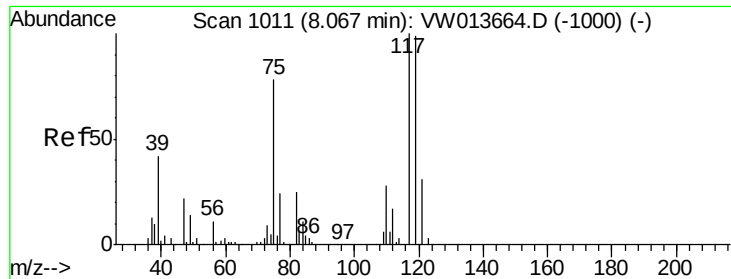


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

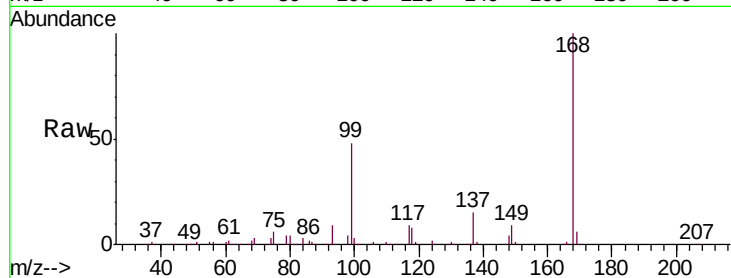




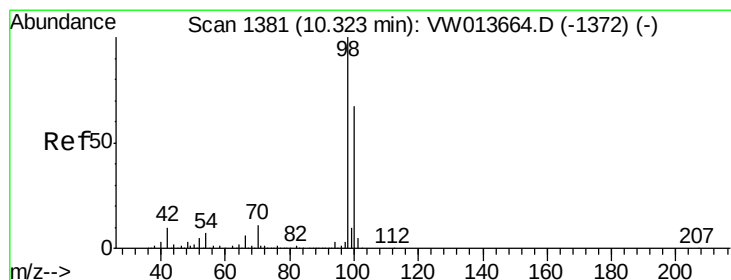
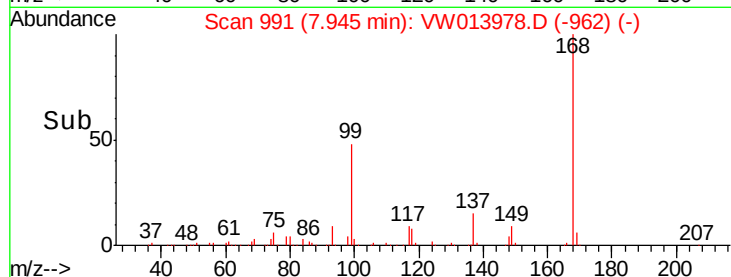
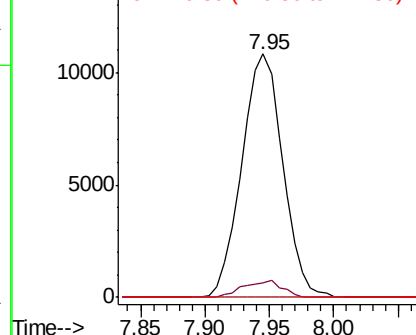
#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

Instrument :
MSVOA_W
ClientSampled :
2-A

Tgt Ion:117 Resp: 23866
Ion Ratio Lower Upper
117 100
119 6.2 79.0 118.4#
121 0.0 24.5 36.7#

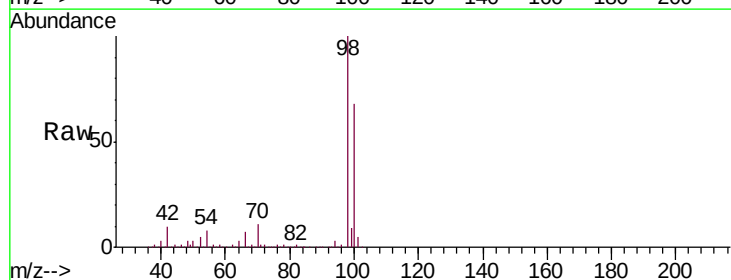


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

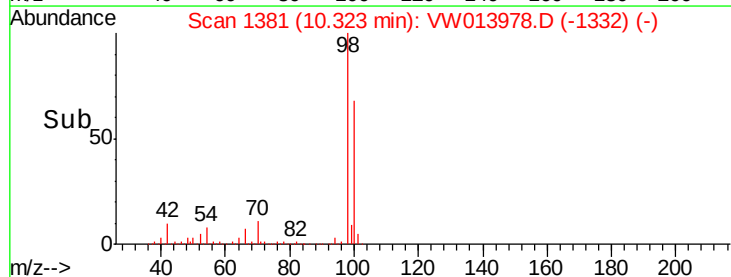
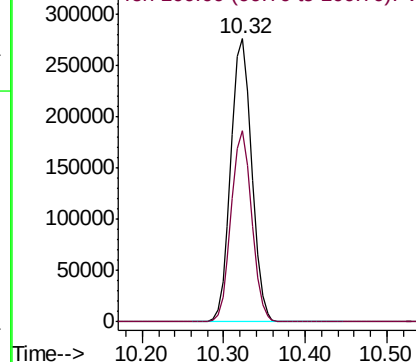


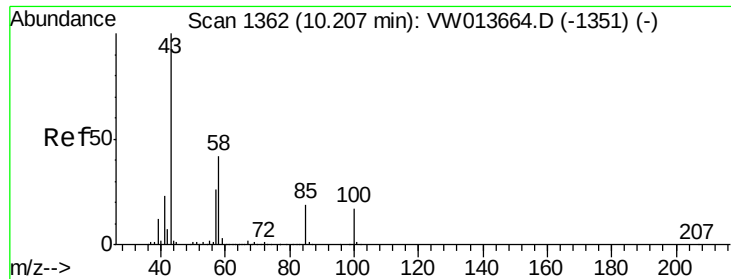
#50
Toluene-d8
Concen: 49.673 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

Tgt Ion: 98 Resp: 486900
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

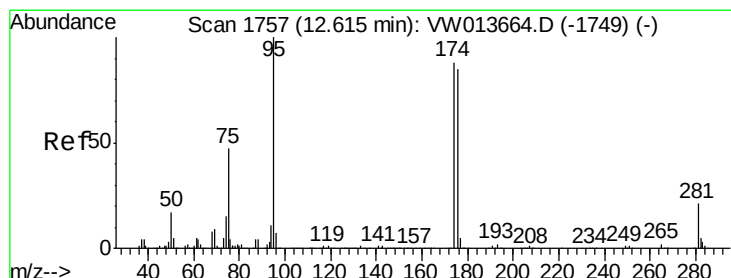
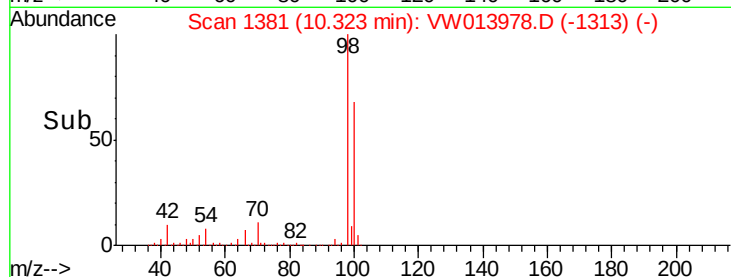
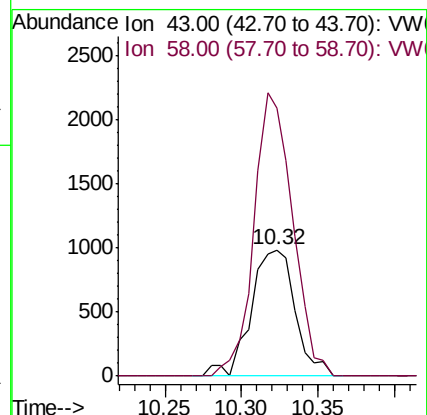
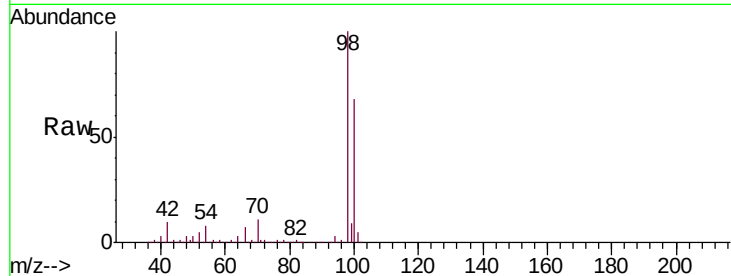
2-A

Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

43 100

58 196.1 32.6 49.0#



#62

4-Bromofluorobenzene

Concen: 43.645 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

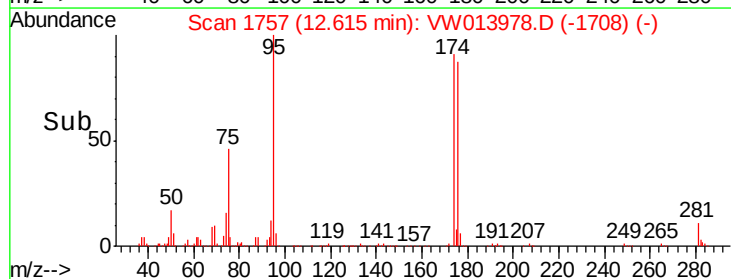
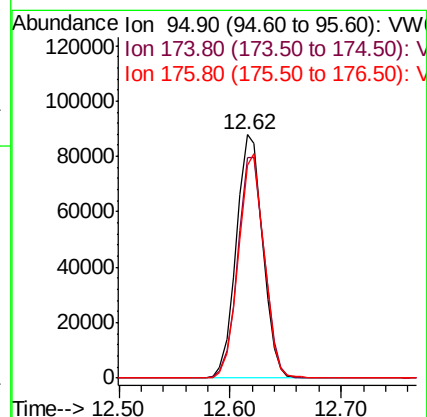
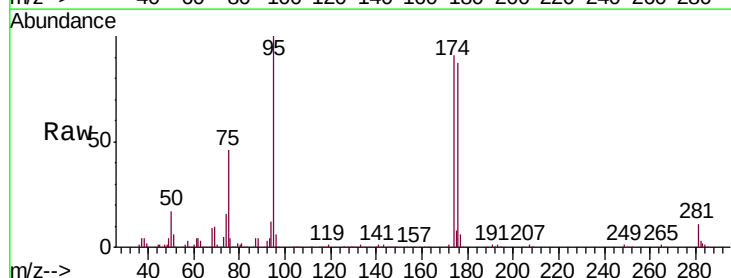
Tgt Ion: 95 Resp: 144861

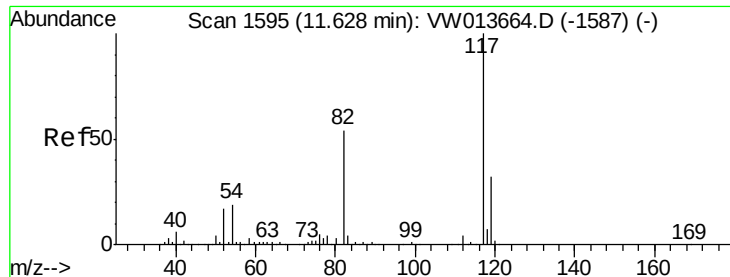
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.6

176 89.2 0.0 178.0

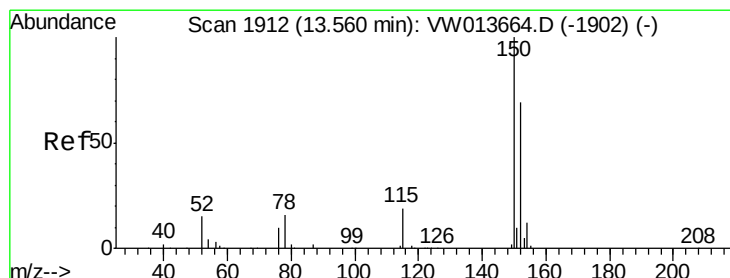
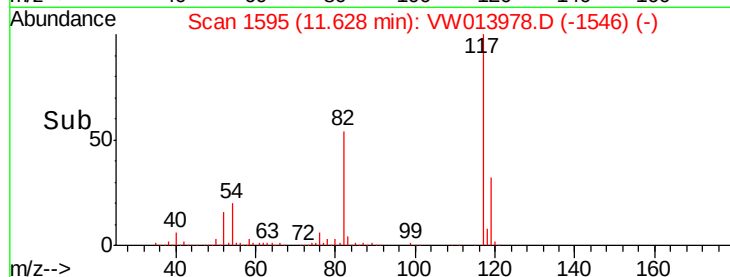
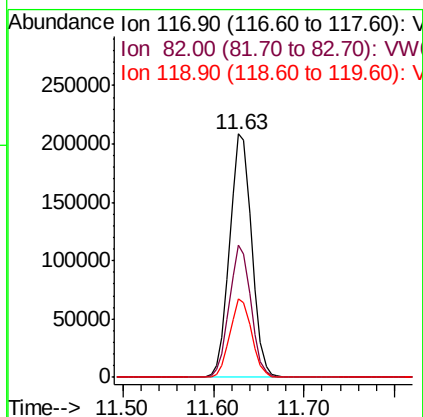
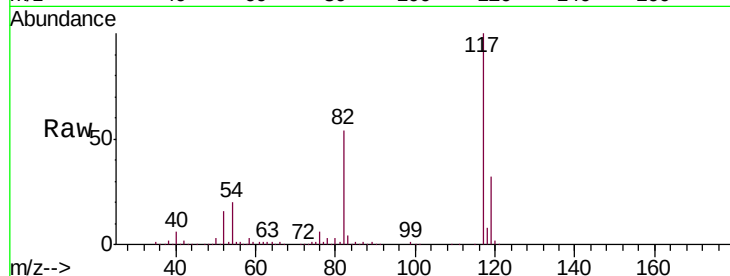




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

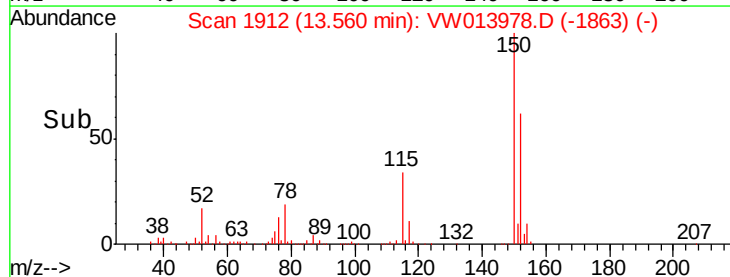
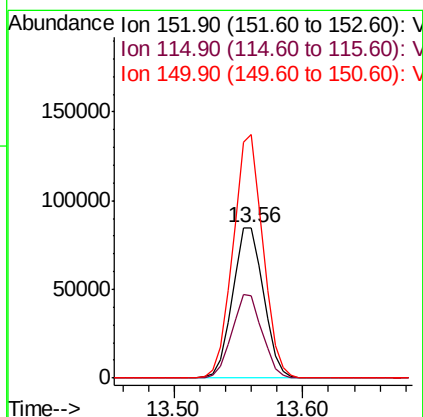
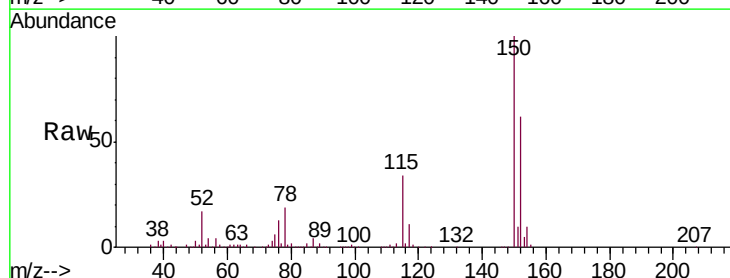
Instrument :
MSVOA_W
ClientSampled :
2-A

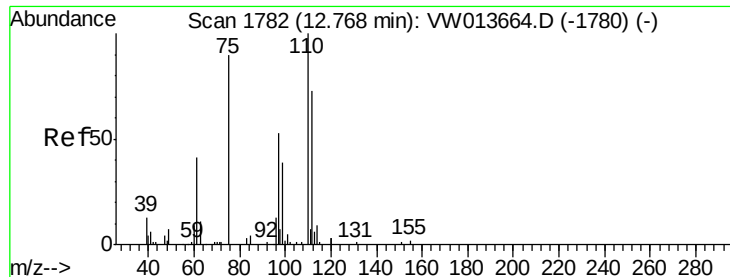
Tgt Ion:117 Resp: 352203
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013978.D
Acq: 12 Nov 2019 16:30

Tgt Ion:152 Resp: 141721
Ion Ratio Lower Upper
152 100
115 54.4 27.4 82.2
150 156.3 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 65.947 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

Instrument :

MSVOA_W

ClientSampleId :

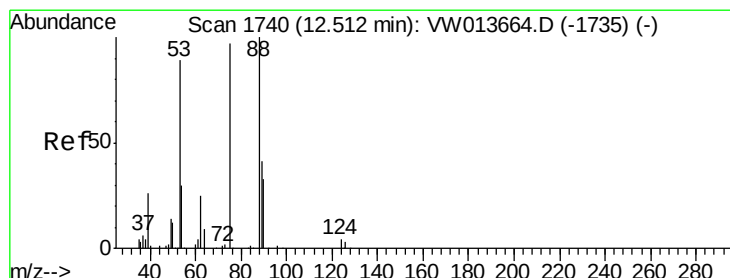
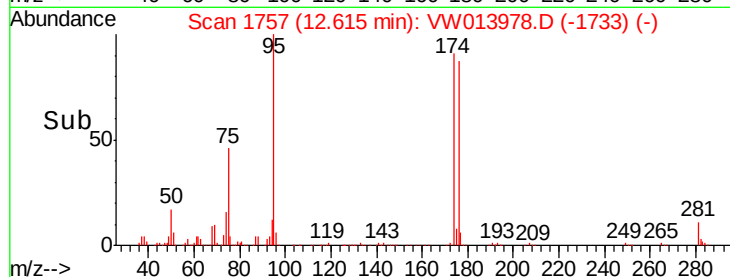
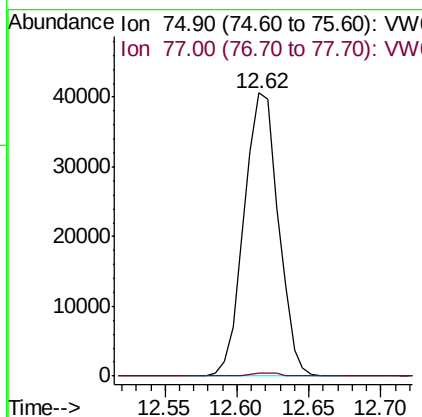
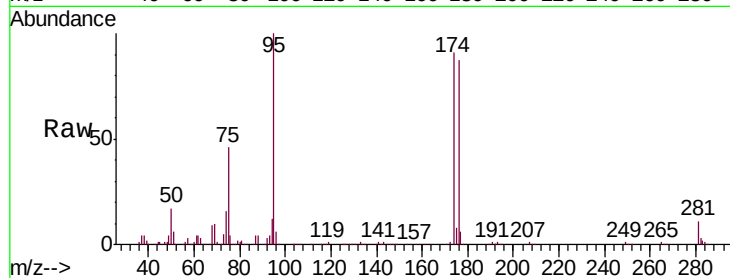
2-A

Tgt Ion: 75 Resp: 67118

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013978.D

Acq: 12 Nov 2019 16:30

Tgt Ion: 75 Resp: 67118

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#

