

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007693.D
 Acq On : 19 Dec 2018 08:25
 Operator : SY/AP
 Sample : J6386-16
 Misc : 6.15G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 10:00:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

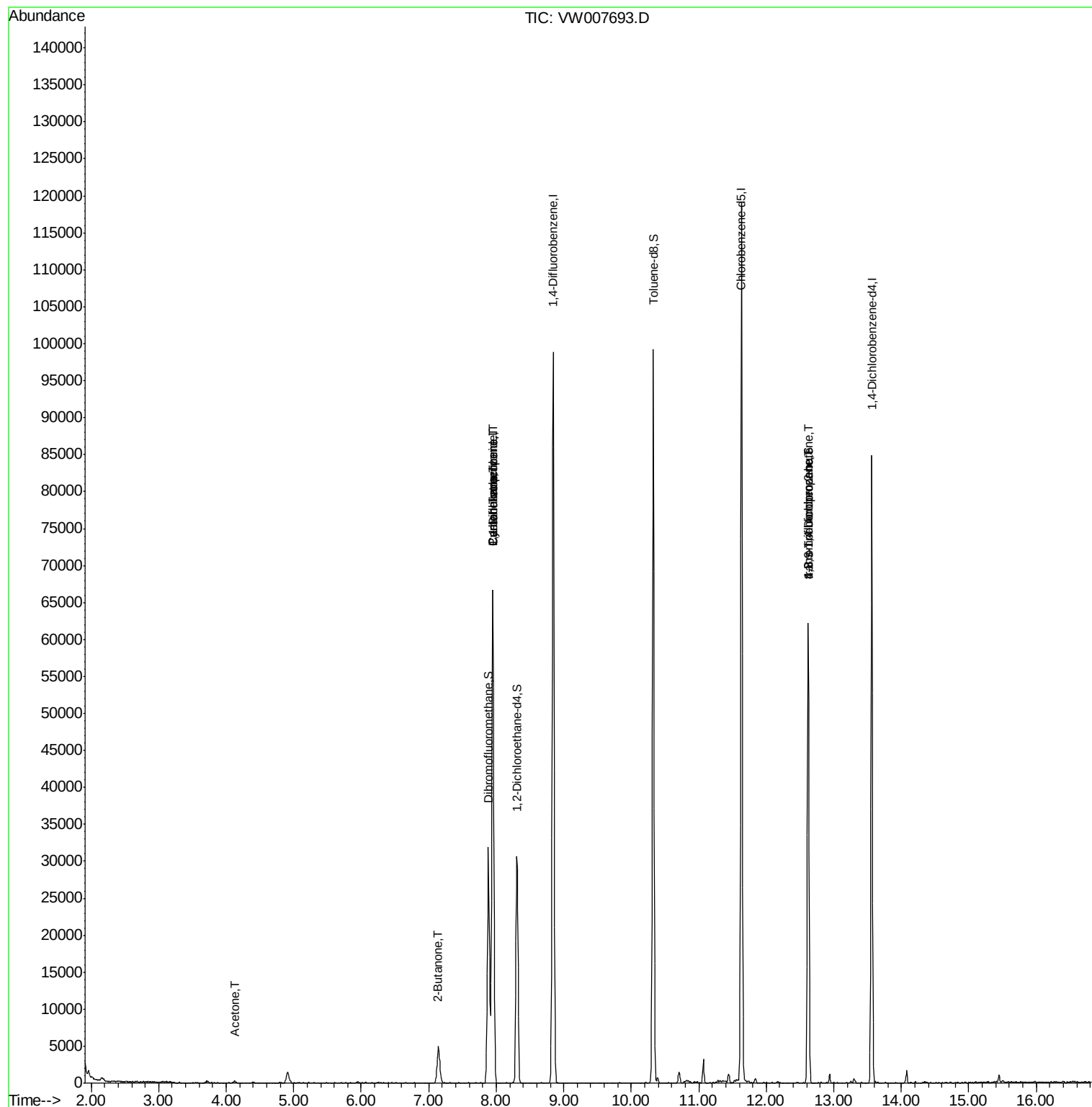
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	47942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	85206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	67468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22420	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26529	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.88	113	22621	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
50) Toluene-d8	10.32	98	67235	34.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.54%	
62) 4-Bromofluorobenzene	12.62	95	20366	28.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.28%	
Target Compounds						
16) Acetone	4.12	43	572	6.157	ug/l	96
20) Methylene Chloride	4.91	84	1290	Below Cal	#	94
25) 2-Butanone	7.13	43	266	2.193	ug/l #	45
31) Cyclohexane	7.95	56	961	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3788	4.873	ug/l #	50
38) Carbon Tetrachloride	7.95	117	4944	5.846	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	10572	57.189	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	10572	126.332	ug/l #	7

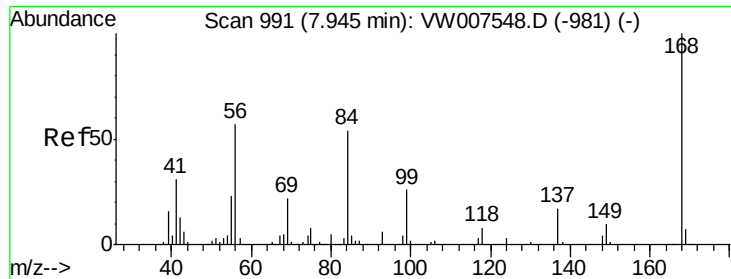
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007693.D

Acq: 19 Dec 2018 08:25

Instrument :

MSVOA_W

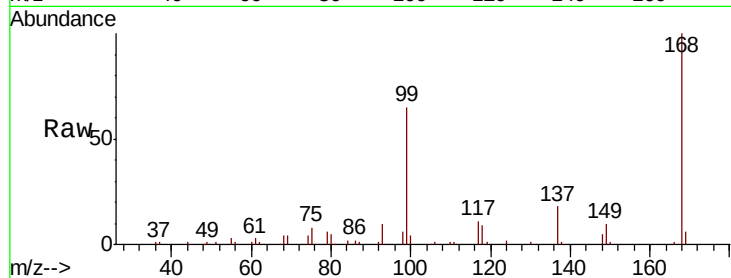
ClientSampleId :

Tot Ion:168 Resp: 47942

Ion Ratio Lower Upper

168 100

99 64.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

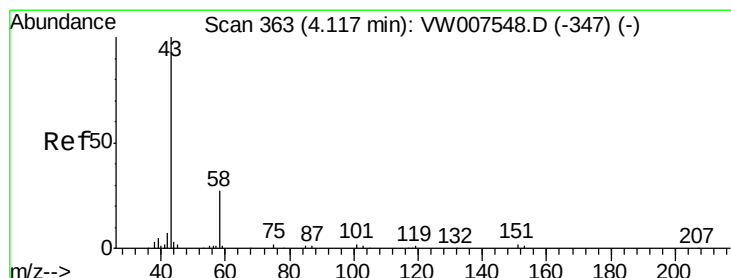
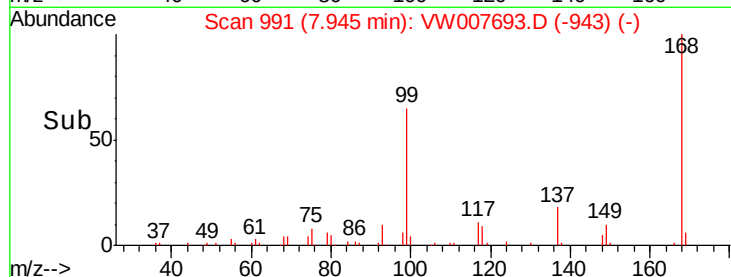
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 6.157 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007693.D

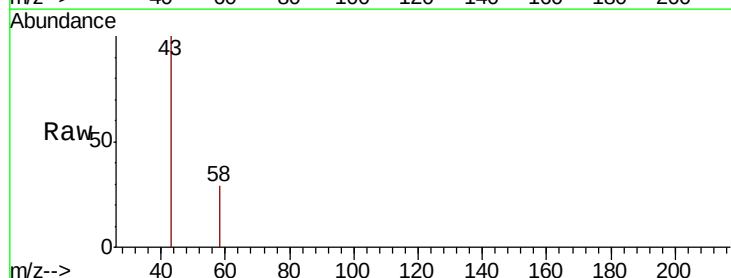
Acq: 19 Dec 2018 08:25

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

250

200

150

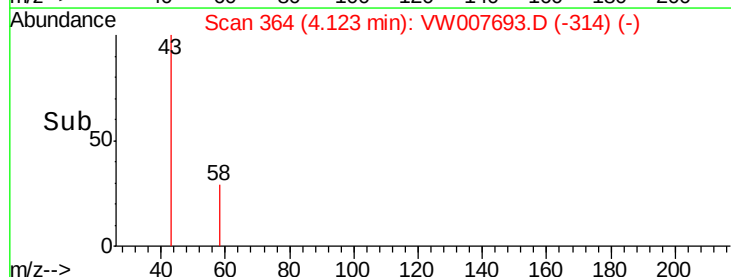
100

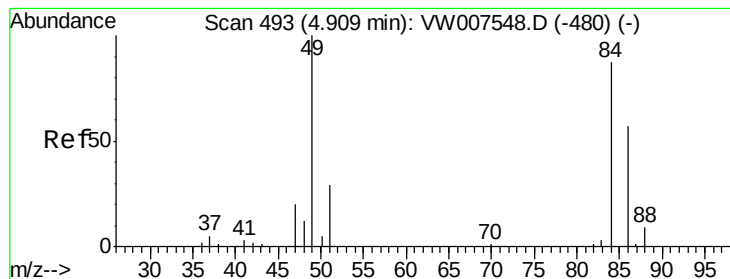
50

0

Time-->

4.05 4.10 4.15 4.20





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007693.D

Acq: 19 Dec 2018 08:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 1290

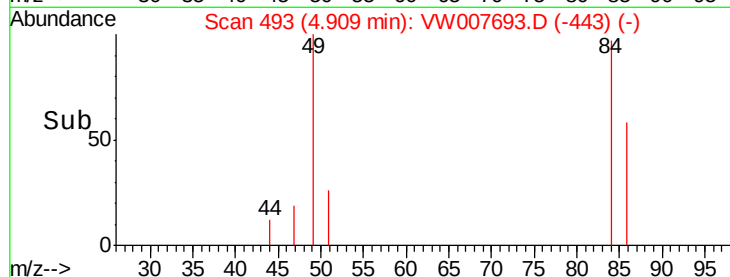
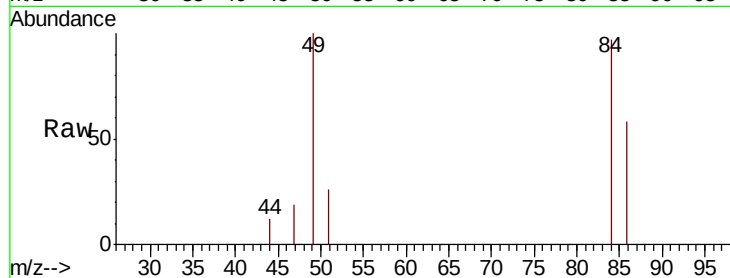
Ion Ratio Lower Upper

84 100

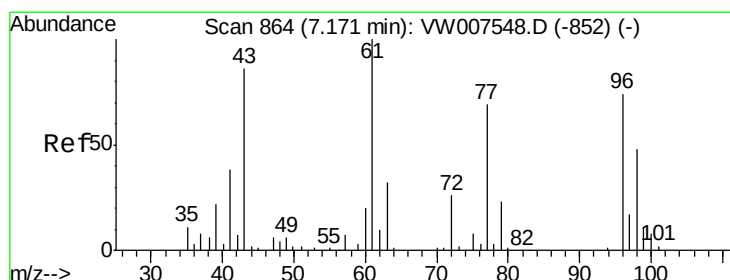
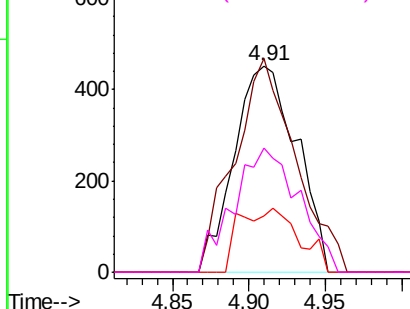
49 103.3 87.1 130.7

51 27.4 28.2 42.2#

86 60.0 50.8 76.2



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



#25

2-Butanone

Concen: 2.193 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW007693.D

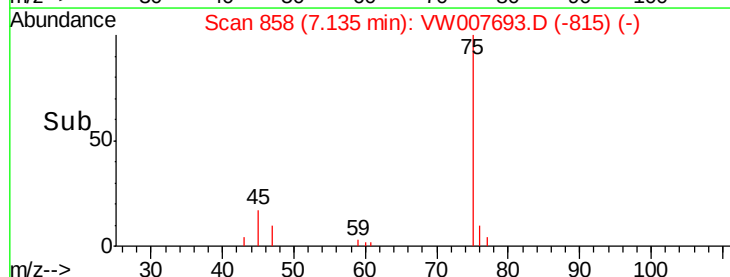
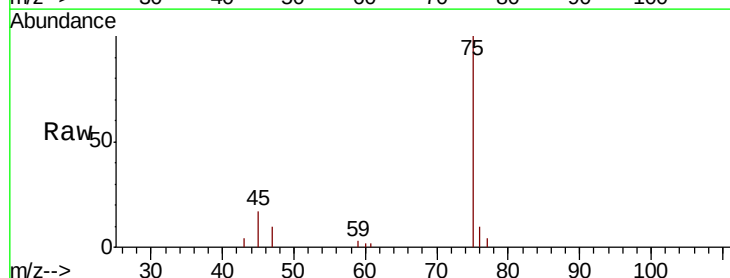
Acq: 19 Dec 2018 08:25

Tgt Ion: 43 Resp: 266

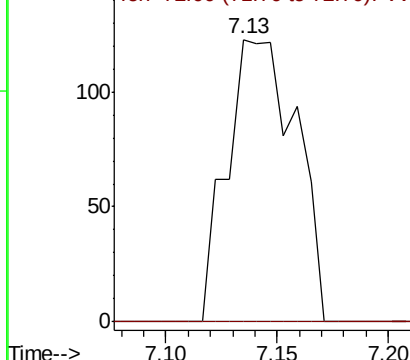
Ion Ratio Lower Upper

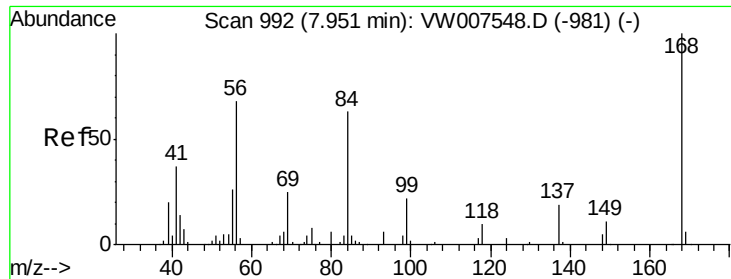
43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

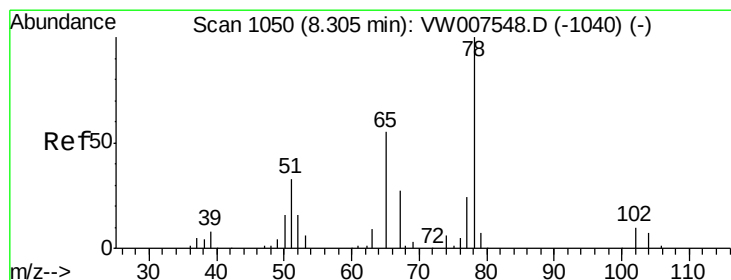
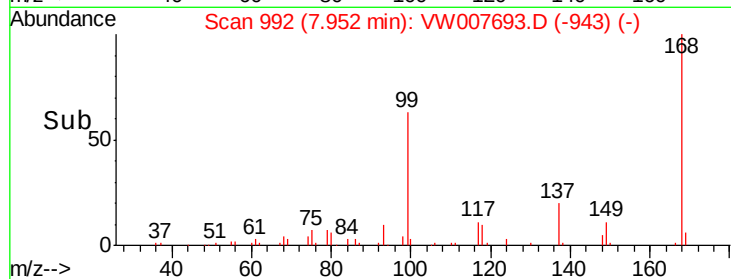
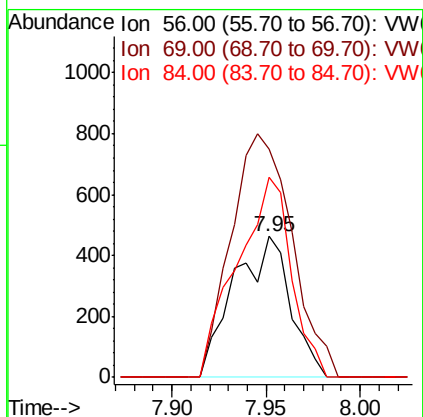
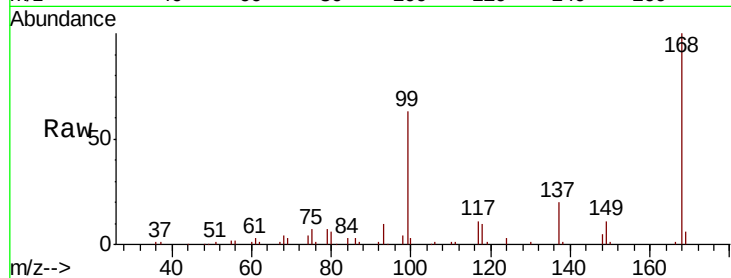




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

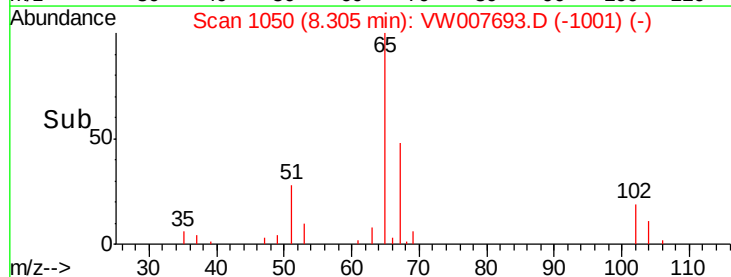
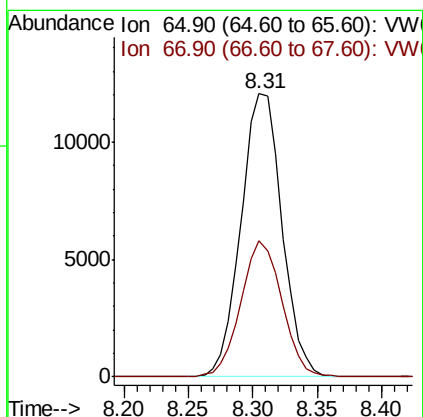
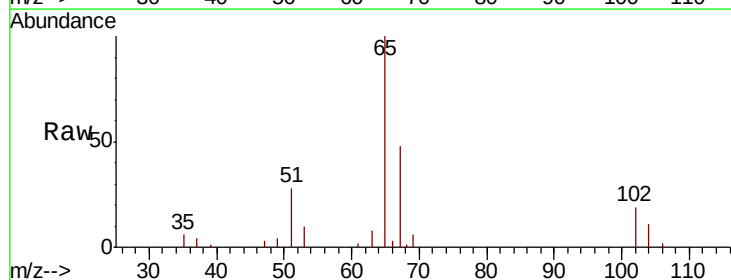
Instrument :
MSVOA_W
ClientSampled :

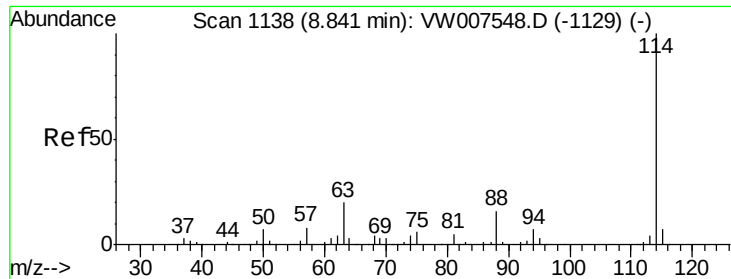
Tot Ion: 56 Resp: 961
Ion Ratio Lower Upper
56 100
69 162.6 28.9 43.3#
84 142.4 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

Tgt Ion: 65 Resp: 26529
Ion Ratio Lower Upper
65 100
67 48.2 0.0 101.6

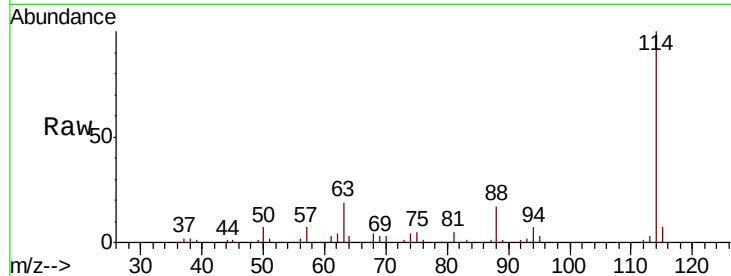




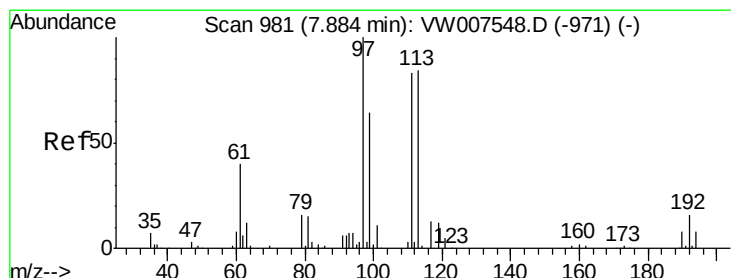
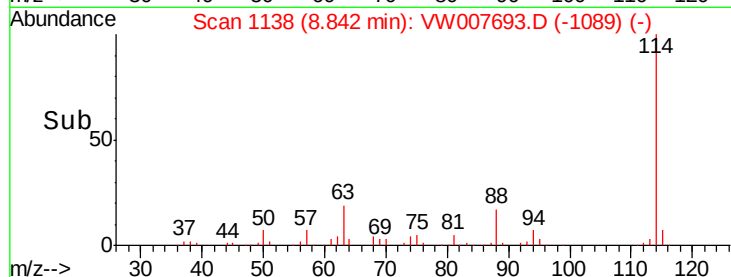
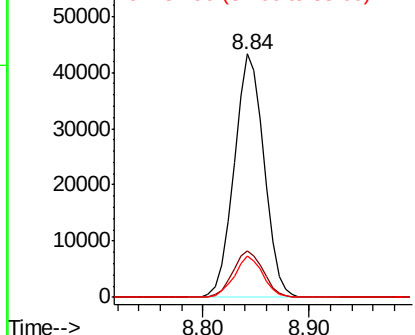
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 85206
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 16.9 0.0 31.4

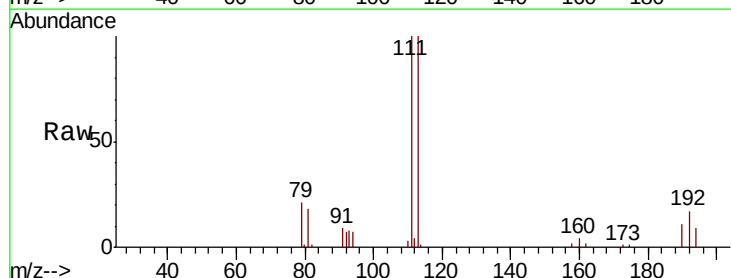


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

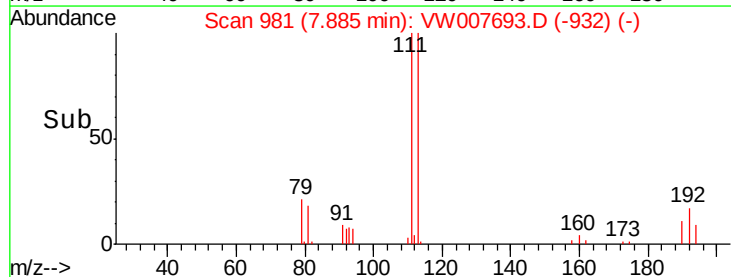
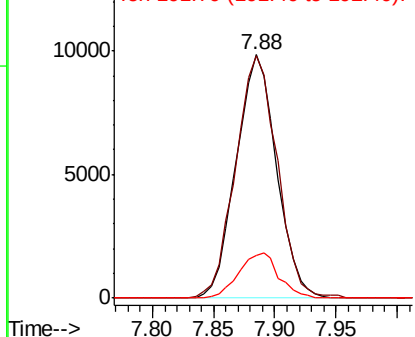


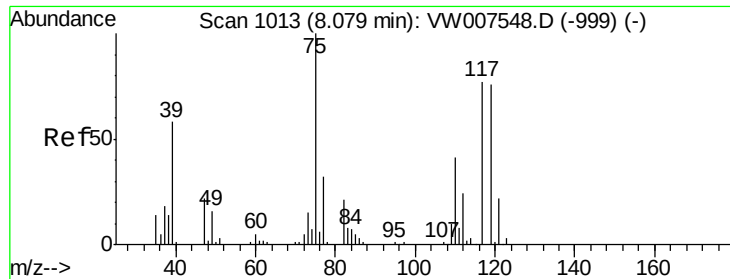
#35
 Dibromofluoromethane
 Concen: 43.857 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

Tgt Ion:113 Resp: 22621
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.1 121.7
 192 18.3 14.6 21.8



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

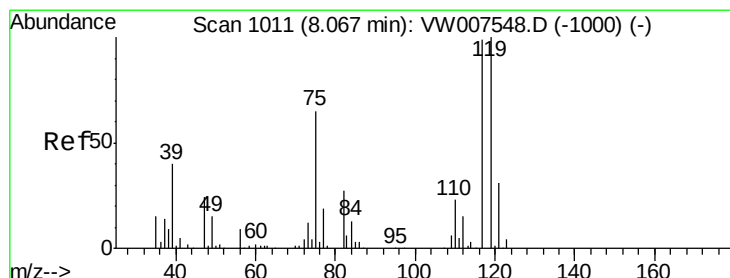
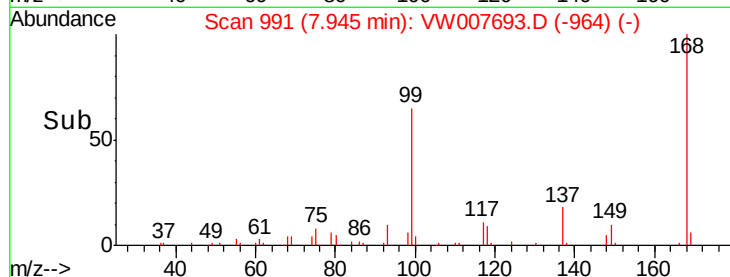
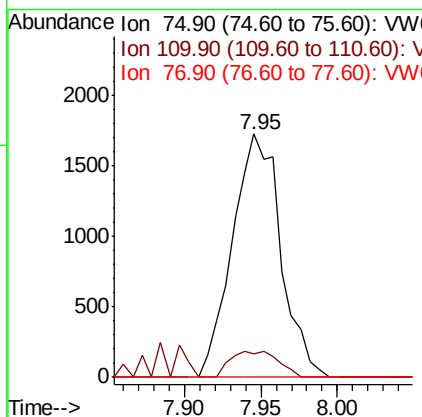
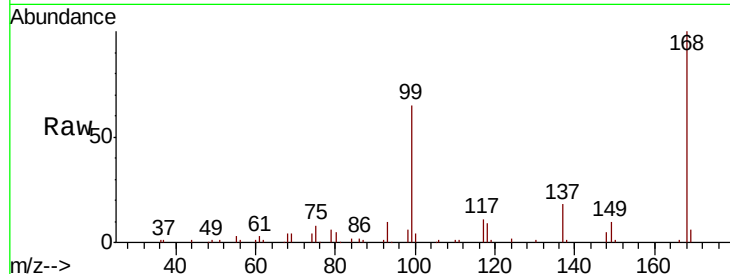




#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

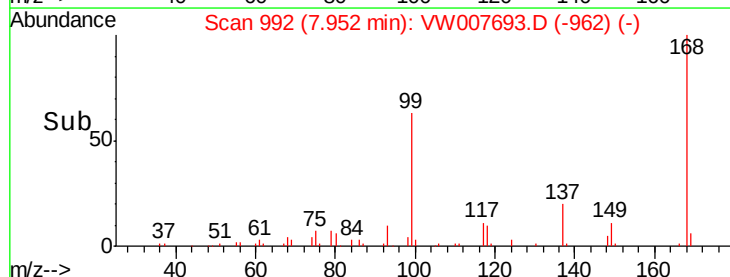
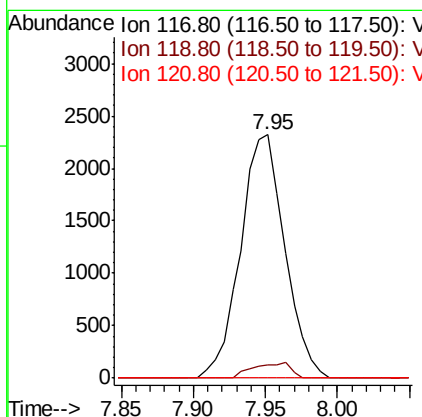
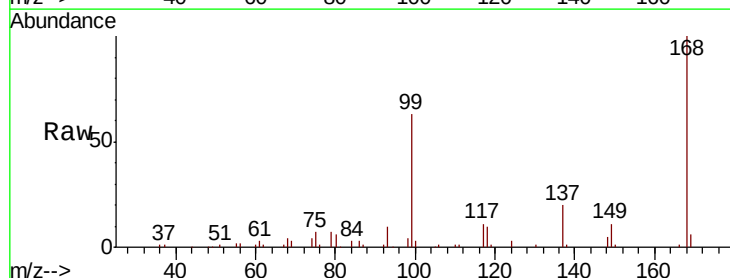
Instrument :
 MSVOA_W
 ClientSampleId :

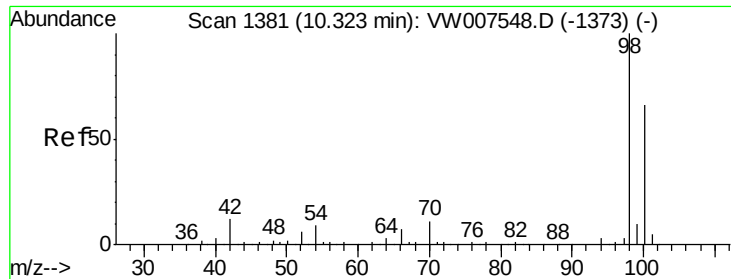
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.846 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.3	111.5#
121	0.0	24.3	36.5#

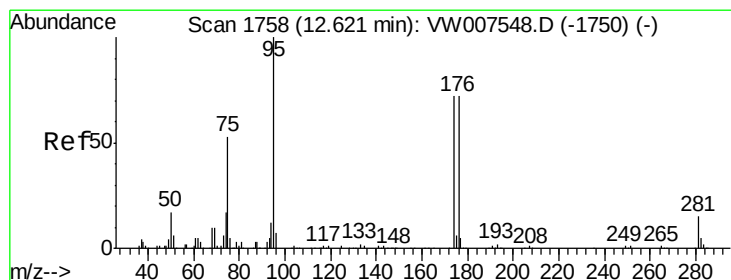
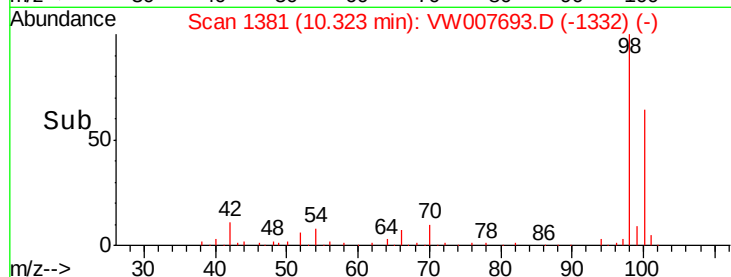
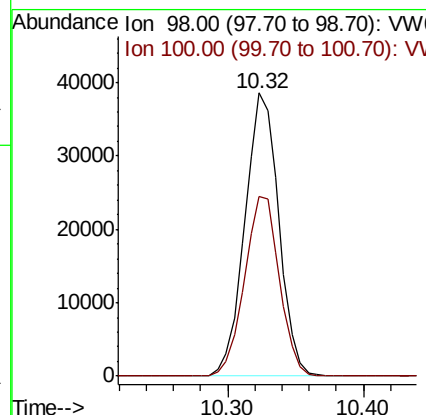
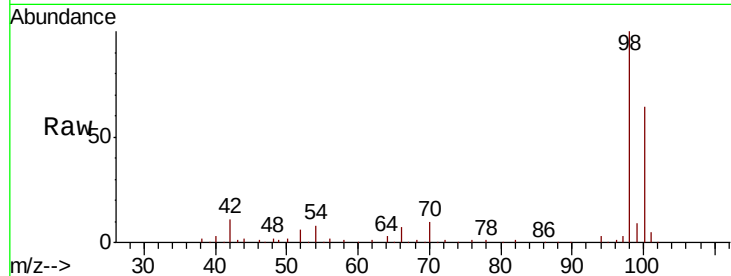




#50
Toluene-d8
Concen: 34.766 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

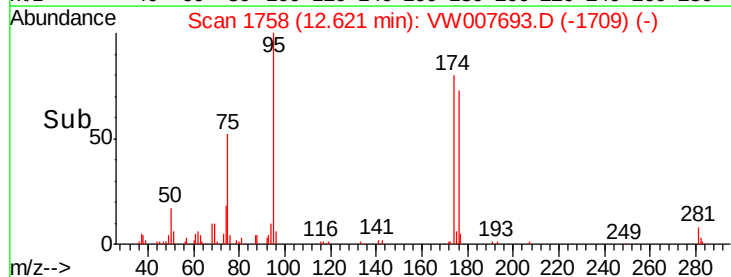
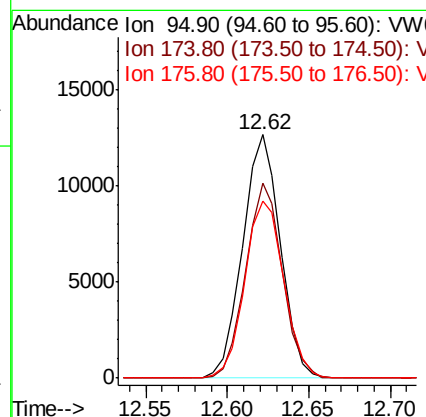
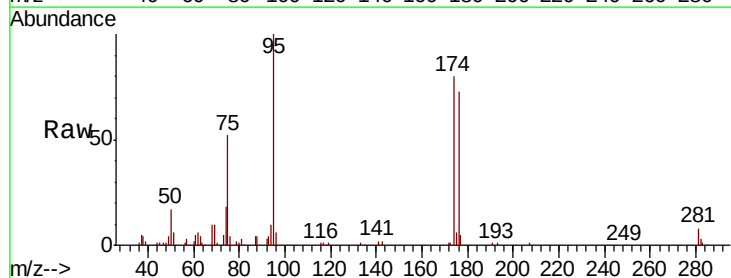
Instrument :
MSVOA_W
ClientSampleId :

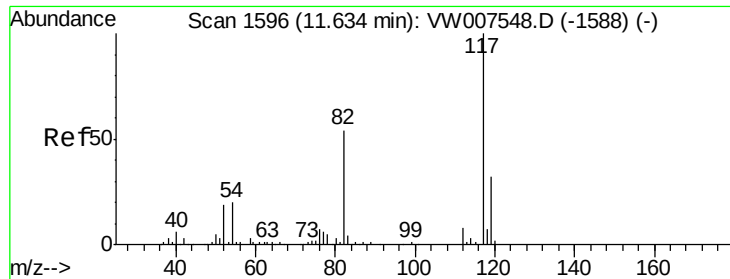
Tot Ion: 98 Resp: 67235
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 28.642 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

Tgt Ion: 95 Resp: 20366
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.2
176 75.2 0.0 138.8

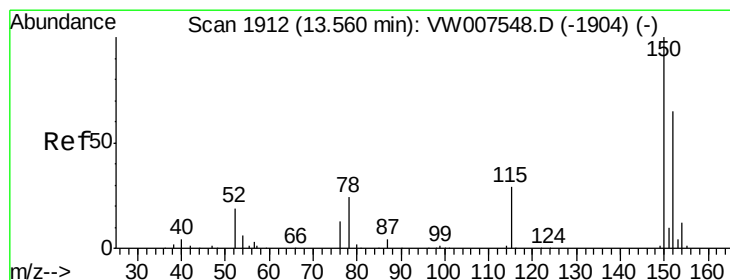
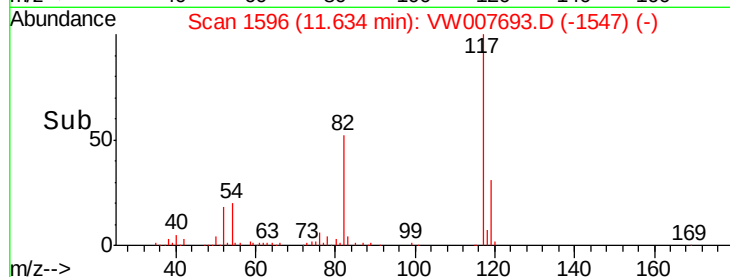
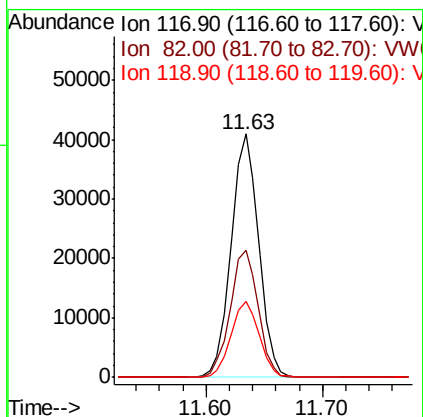
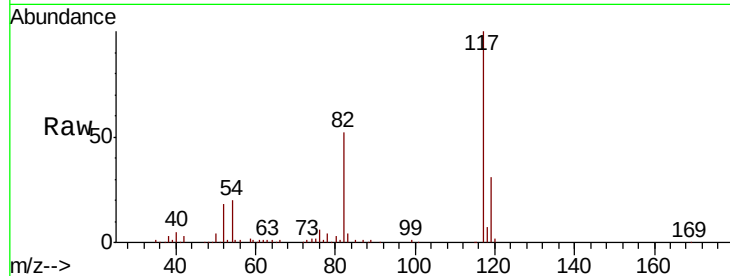




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

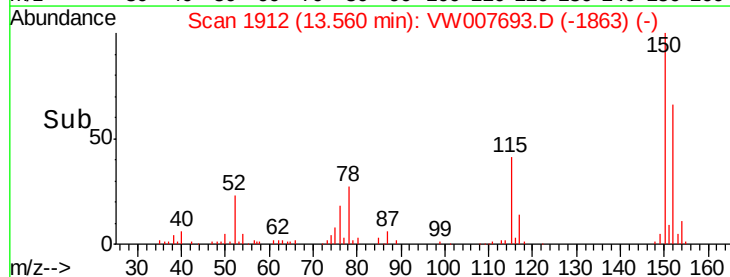
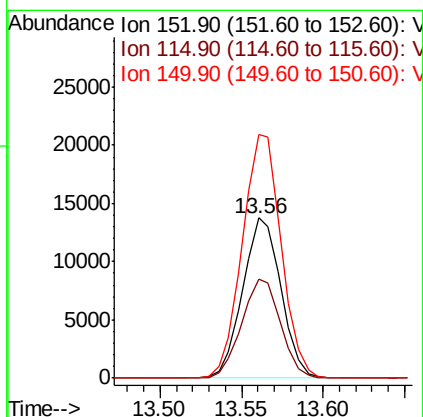
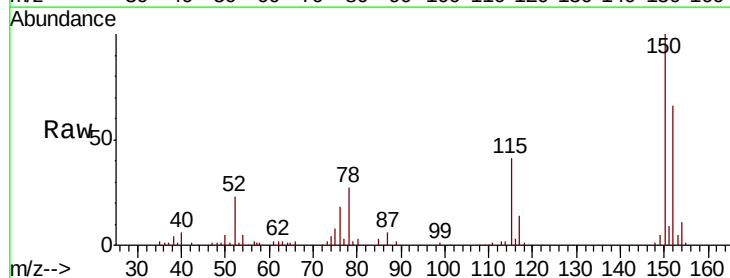
Instrument :
MSVOA_W
ClientSampleId :

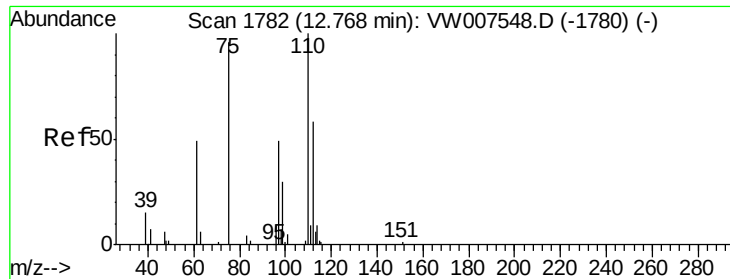
Tot Ion:117 Resp: 67468
Ion Ratio Lower Upper
117 100
82 52.4 42.3 63.5
119 31.1 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007693.D
Acq: 19 Dec 2018 08:25

Tgt Ion:152 Resp: 22420
Ion Ratio Lower Upper
152 100
115 62.5 31.4 94.2
150 154.8 0.0 358.4

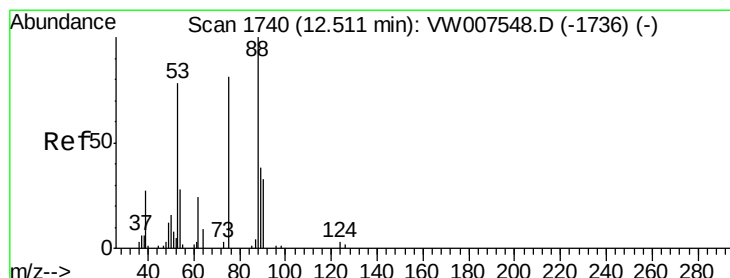
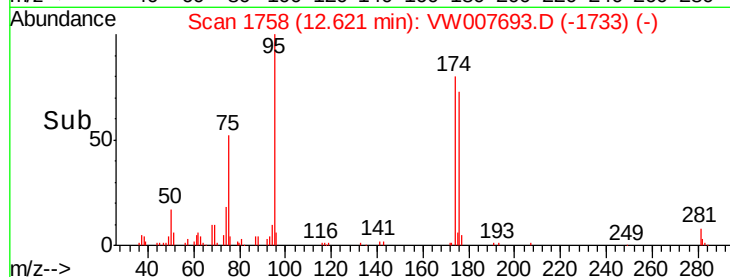
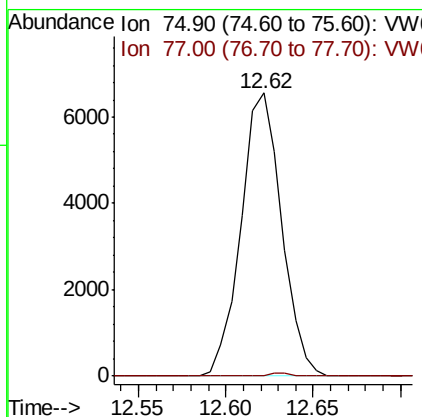
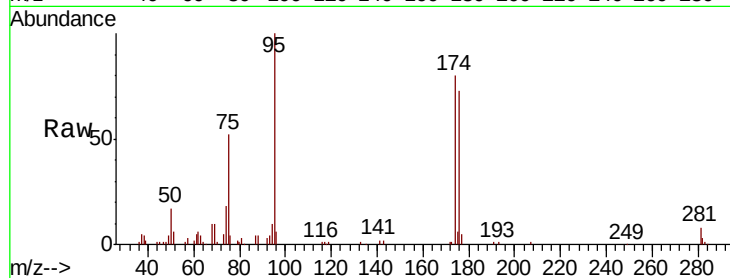




#76
 1,2,3-Trichloropropane
 Concen: 57.189 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 10572
 Ion Ratio Lower Upper
 75 100
 77 0.5 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.332 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007693.D
 Acq: 19 Dec 2018 08:25

Tgt Ion: 75 Resp: 10572
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

