

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007896.D
 Acq On : 24 Dec 2018 18:26
 Operator : SY/AP
 Sample : J6446-17
 Misc : 4.57G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

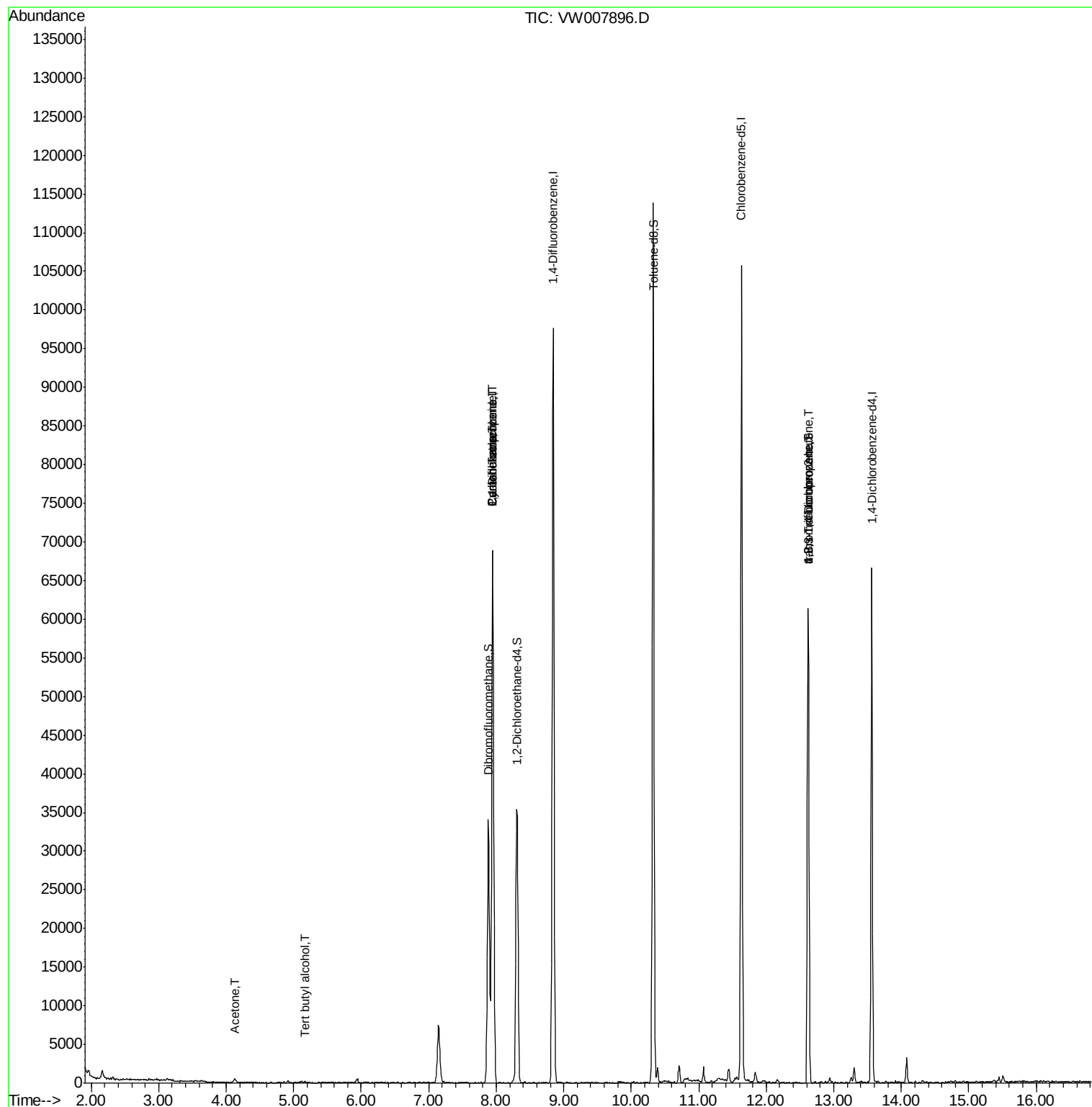
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	49622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	82187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	58299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30090	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
35) Dibromofluoromethane	7.88	113	24397	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	10.32	98	76299	40.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.74%	
62) 4-Bromofluorobenzene	12.62	95	20893	28.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.22%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	227	6.187	ug/l #	73
16) Acetone	4.12	43	952	9.347	ug/l #	72
20) Methylene Chloride	4.91	84	78	Below Cal	#	48
31) Cyclohexane	7.94	56	1090	1.346	ug/l #	45
36) 1,1-Dichloropropene	7.94	75	4057	5.114	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5255	5.625	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	10675	81.015	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10675	170.057	ug/l #	9

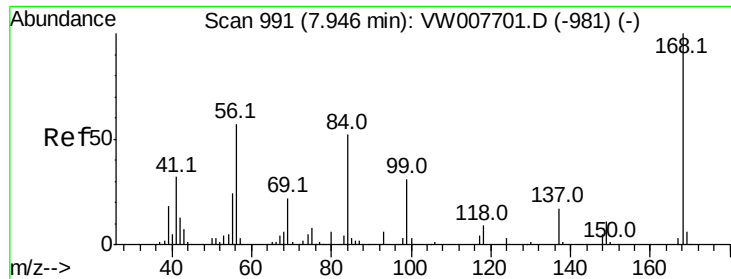
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
Data File : VW007896.D
Acq On : 24 Dec 2018 18:26
Operator : SY/AP
Sample : J6446-17
Misc : 4.57G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 25 02:04:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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: VW007896.D

Acq: 24 Dec 2018 18:26

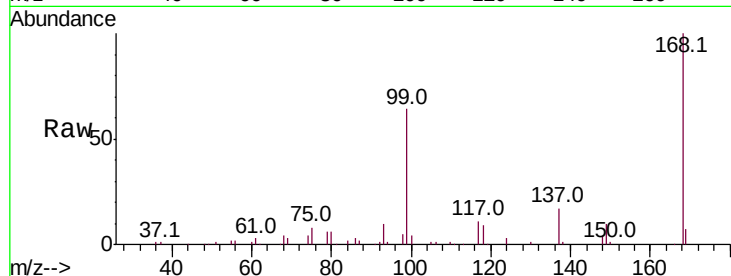
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 49622

Ion Ratio Lower Upper

168 100

99 63.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

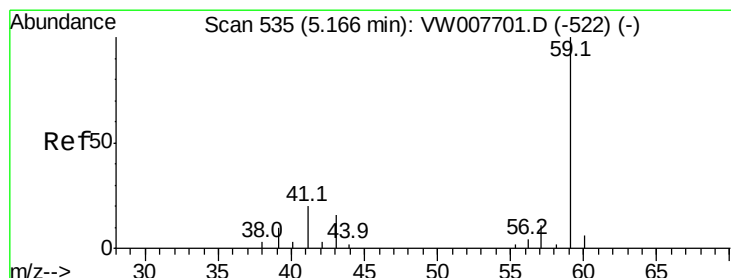
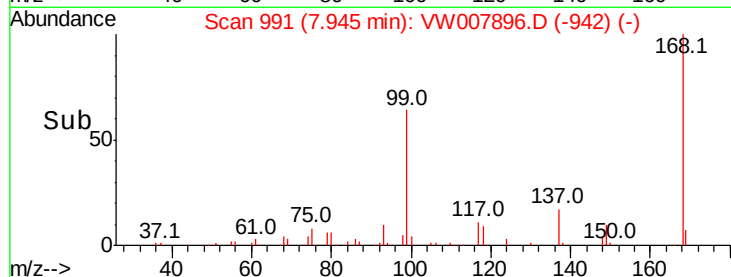
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 6.187 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007896.D

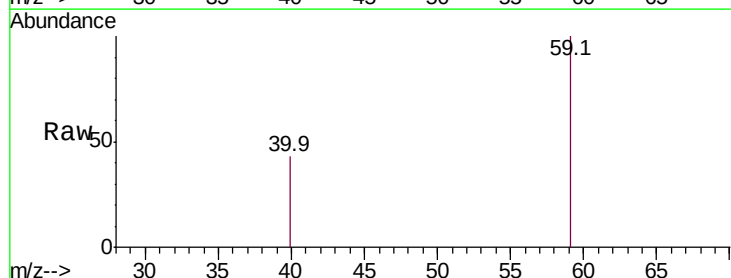
Acq: 24 Dec 2018 18:26

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

150

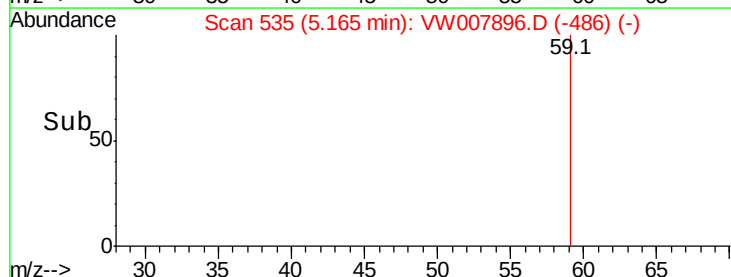
100

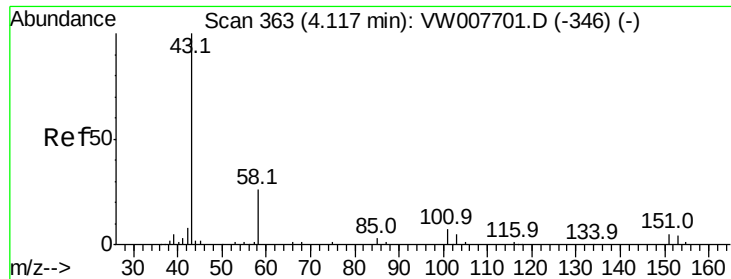
50

0

Time-->

5.10 5.15





#16

Acetone

Concen: 9.347 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Instrument :

MSVOA_W

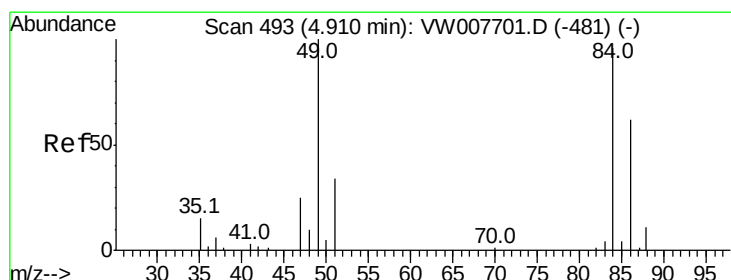
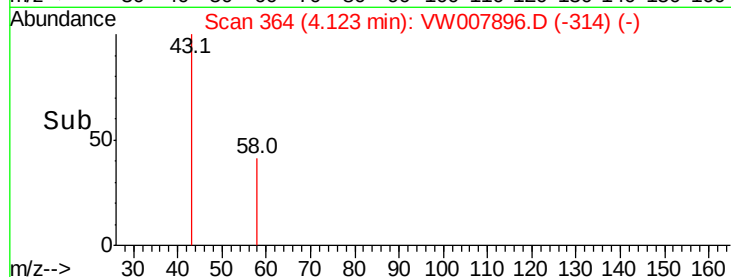
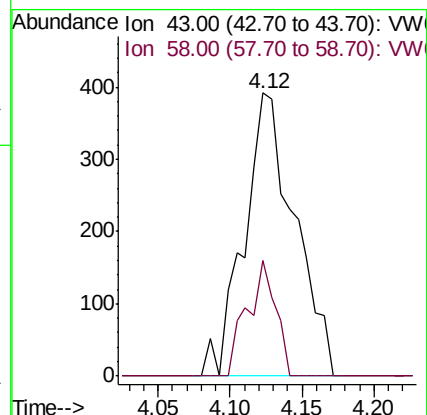
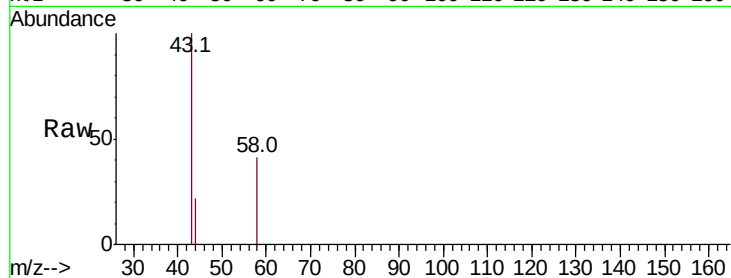
ClientSampled :

Tot Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

58 40.8 21.2 31.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Tgt Ion: 84 Resp: 78

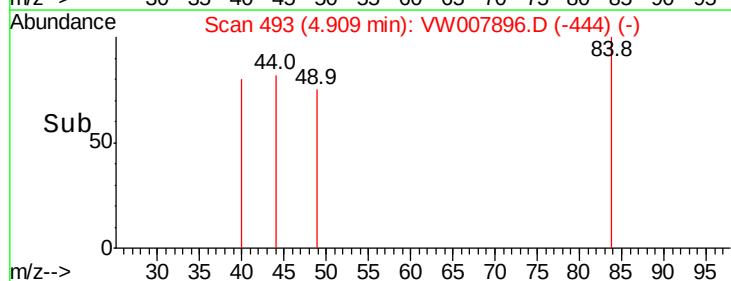
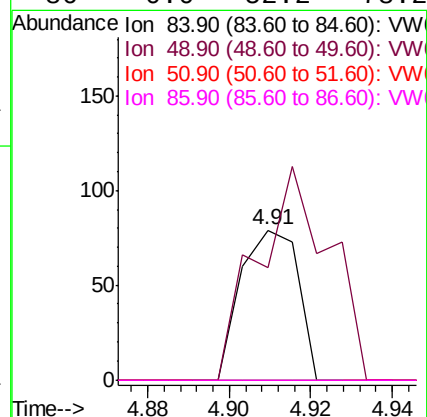
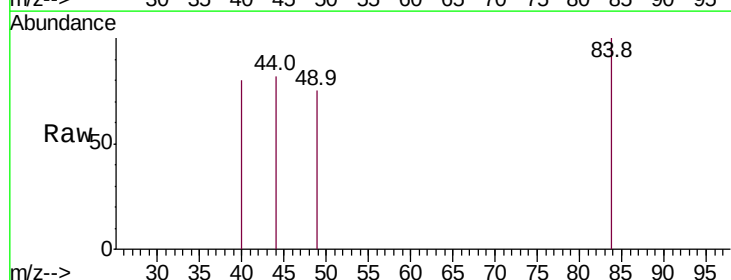
Ion Ratio Lower Upper

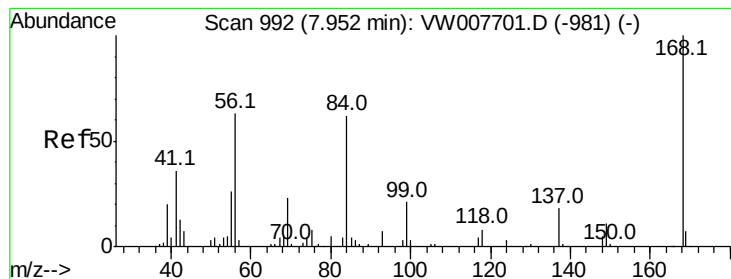
84 100

49 74.7 83.7 125.5#

51 0.0 28.2 42.2#

86 0.0 52.2 78.2#





#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

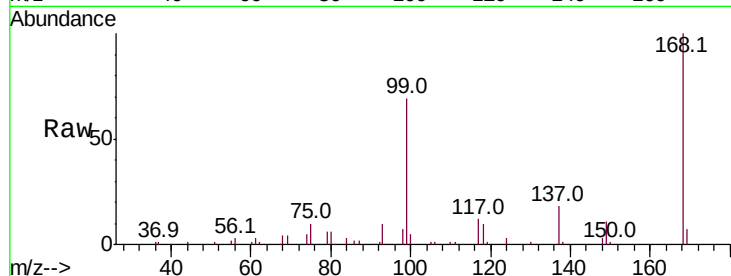
Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

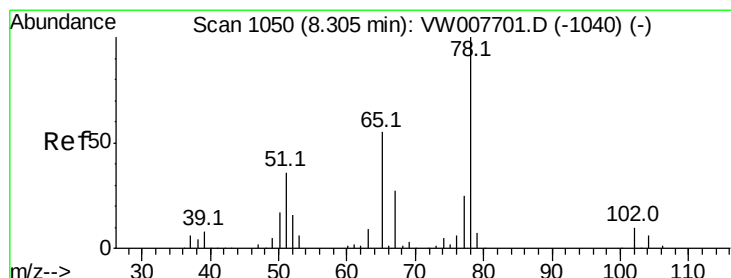
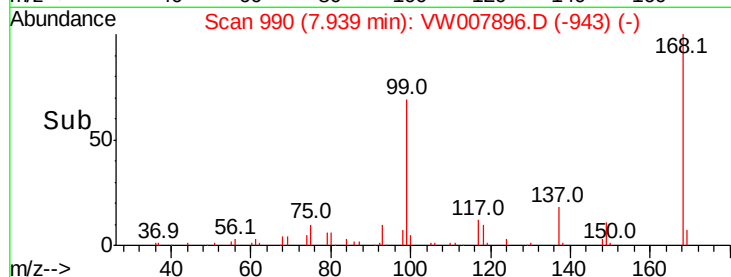
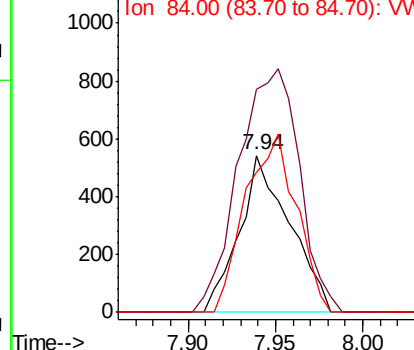
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1090

Ion	Ratio	Lower	Upper
56	100		
69	141.8	29.7	44.5#
84	89.5	78.9	118.3



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.325 ug/l

RT: 8.31 min Scan# 1050

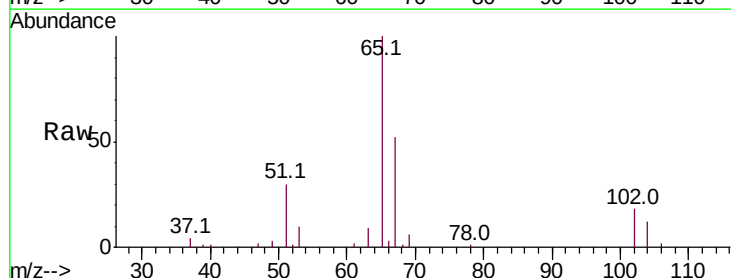
Delta R.T. -0.00 min

Lab File: VW007896.D

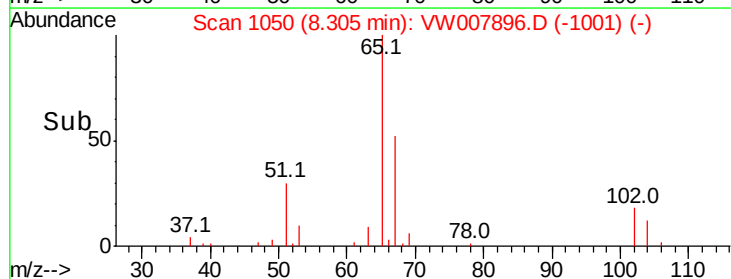
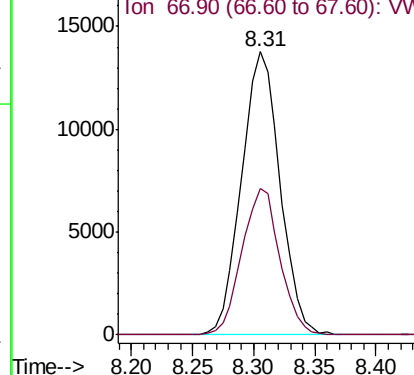
Acq: 24 Dec 2018 18:26

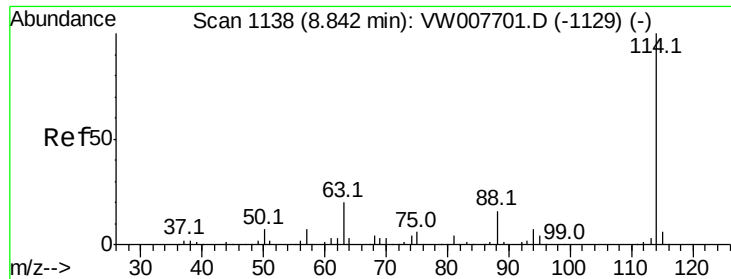
Tgt Ion: 65 Resp: 30090

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

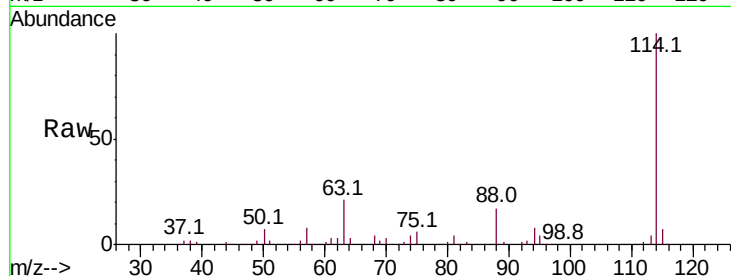




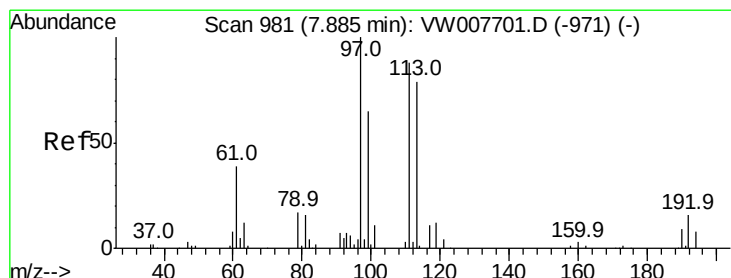
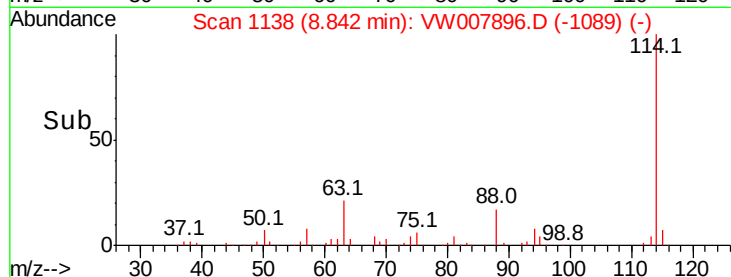
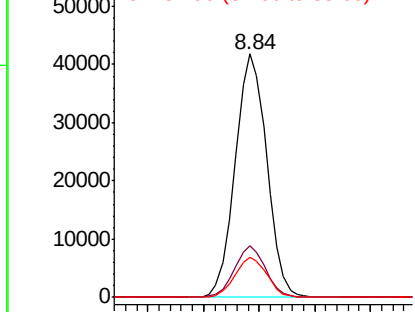
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007896.D
 Acq: 24 Dec 2018 18:26

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.0
88	16.6	0.0	32.6

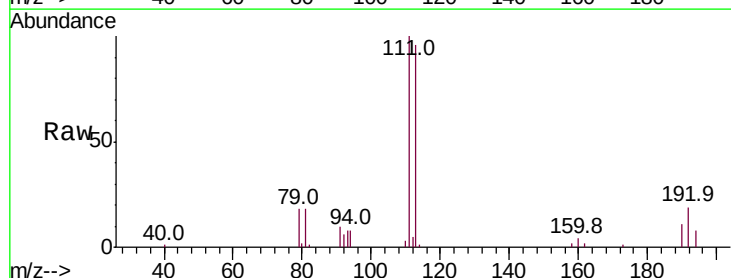


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

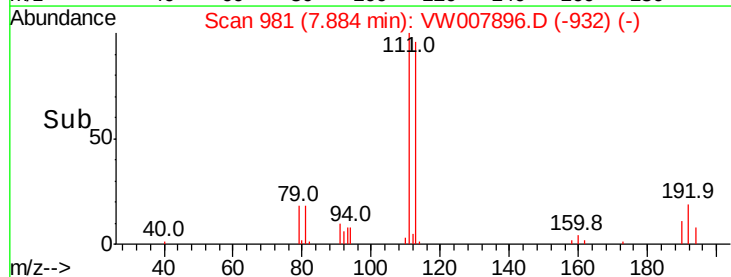
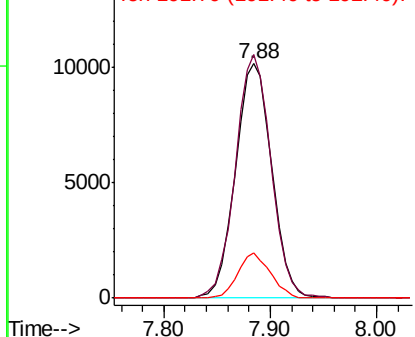


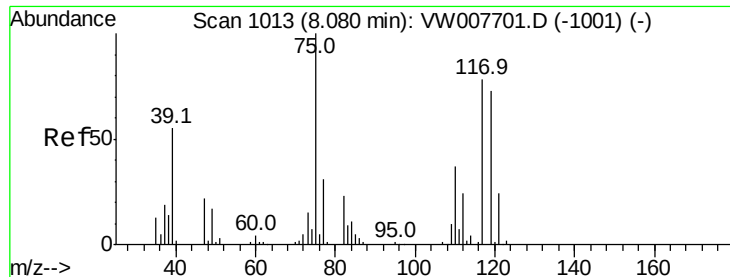
#35
 Dibromofluoromethane
 Concen: 48.659 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007896.D
 Acq: 24 Dec 2018 18:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	17.2	15.5	23.3



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: 5.114 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Instrument :

MSVOA_W

ClientSampleId :

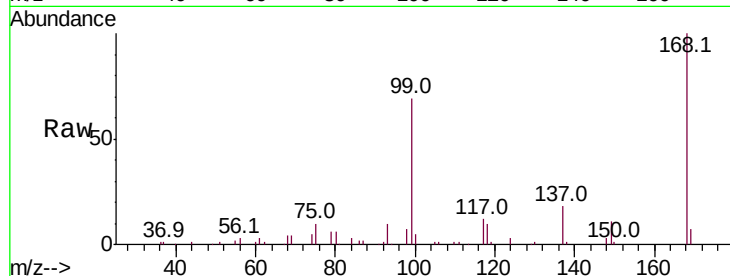
Tot Ion: 75 Resp: 4057

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.8#

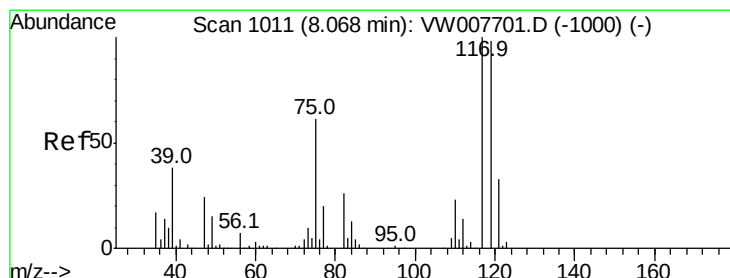
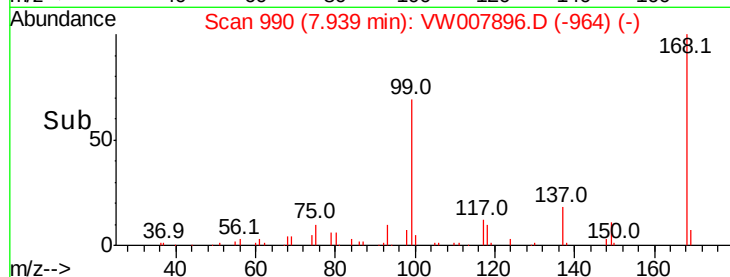
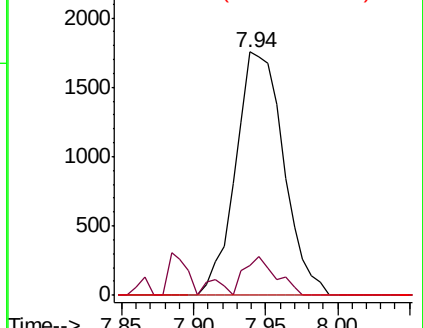
77 0.0 25.0 37.4#



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: 5.625 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

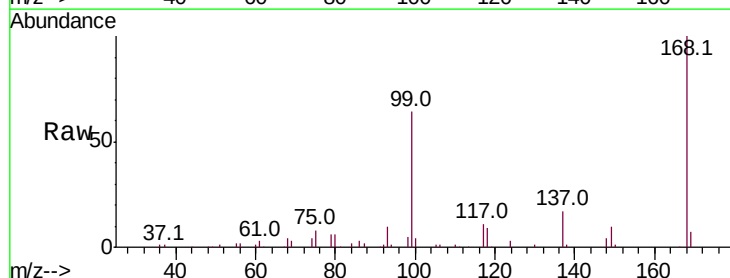
Tgt Ion: 117 Resp: 5255

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

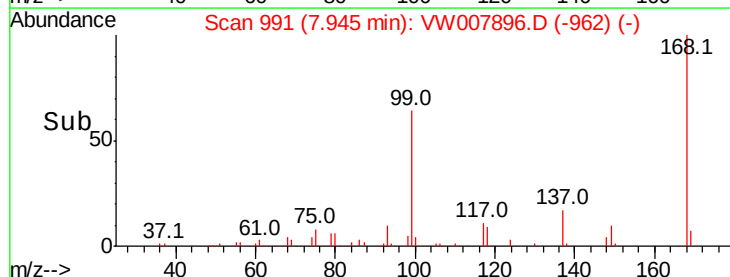
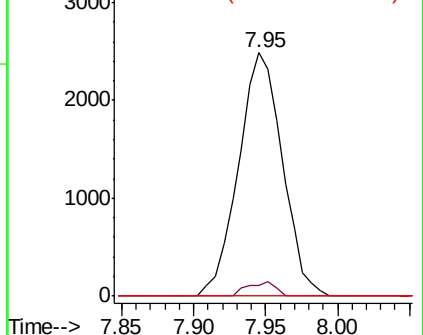
121 0.0 26.1 39.1#

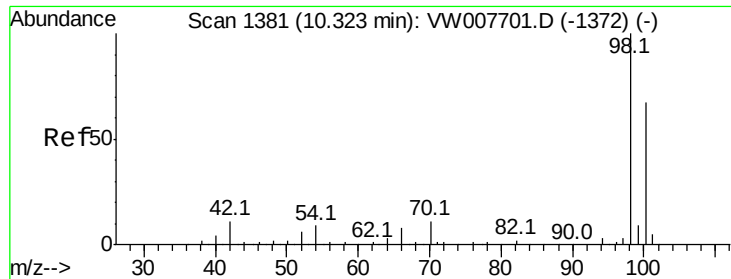


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 40.367 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Instrument :

MSVOA_W

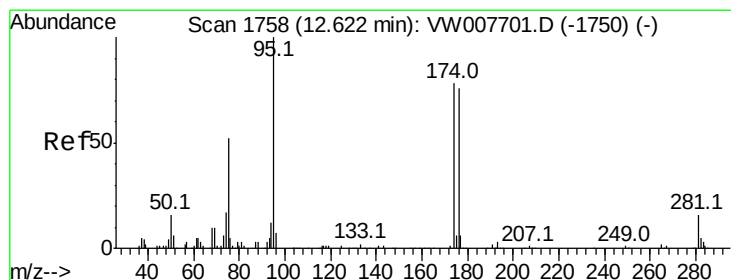
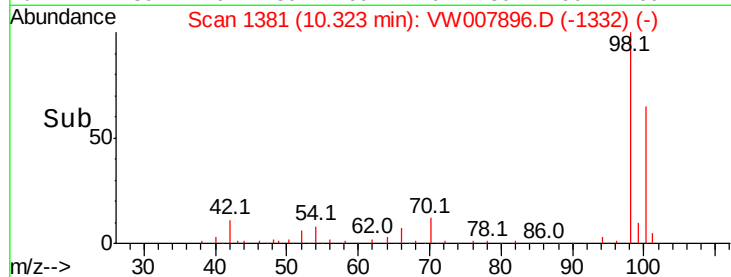
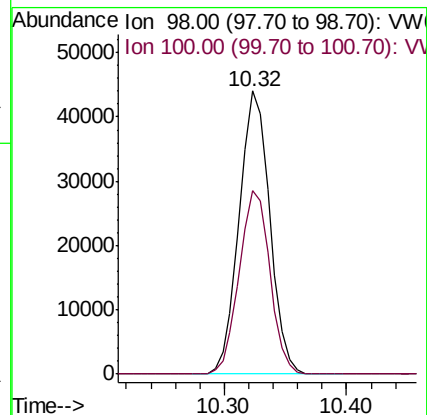
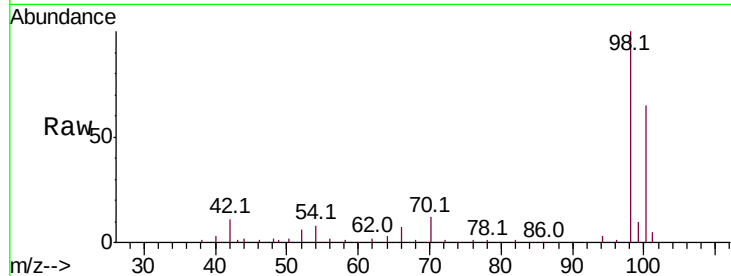
ClientSampleId :

Tot Ion: 98 Resp: 76299

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 28.613 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

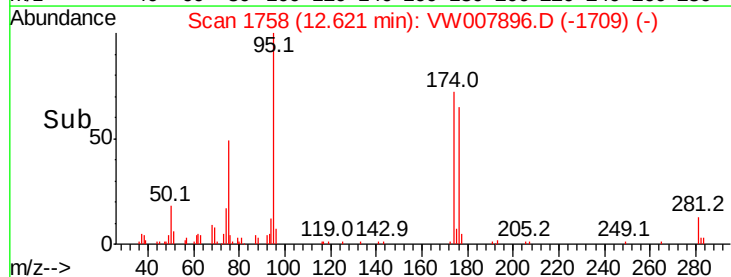
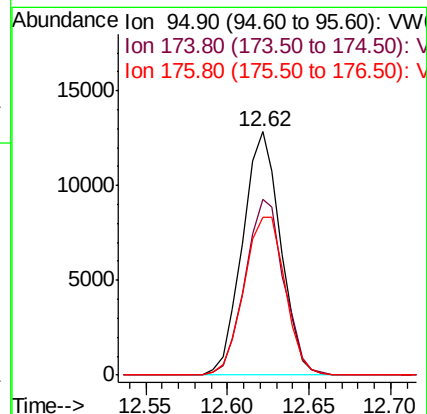
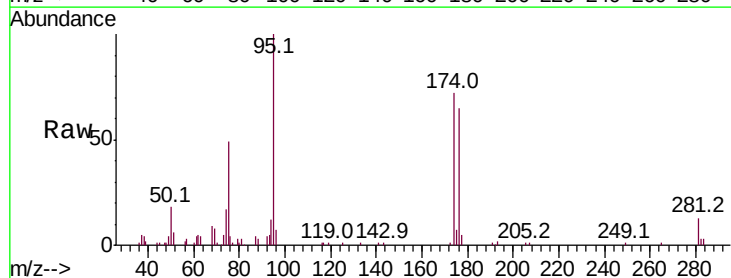
Tgt Ion: 95 Resp: 20893

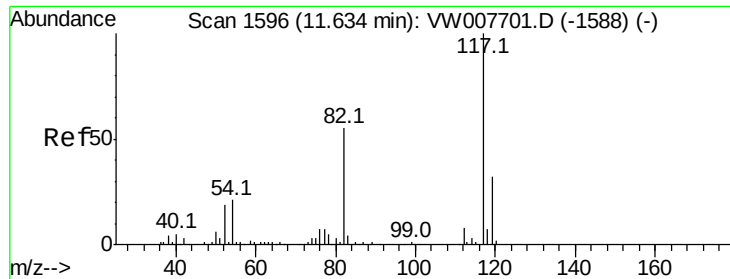
Ion Ratio Lower Upper

95 100

174 73.6 0.0 152.2

176 70.1 0.0 146.8

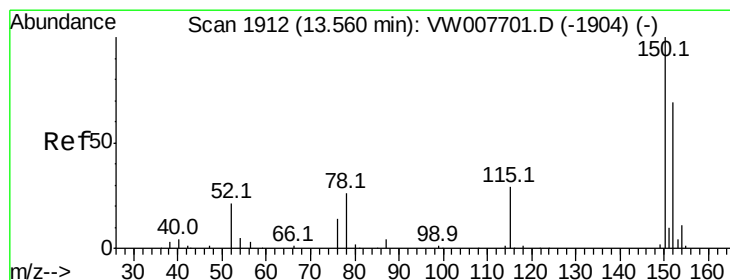
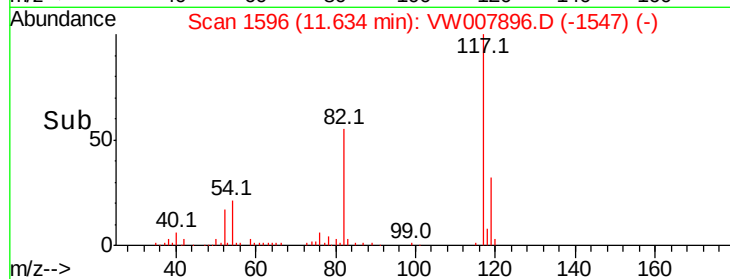
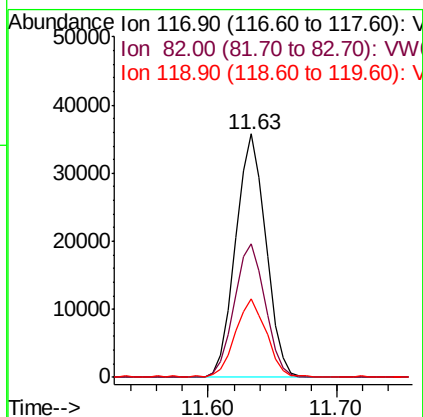
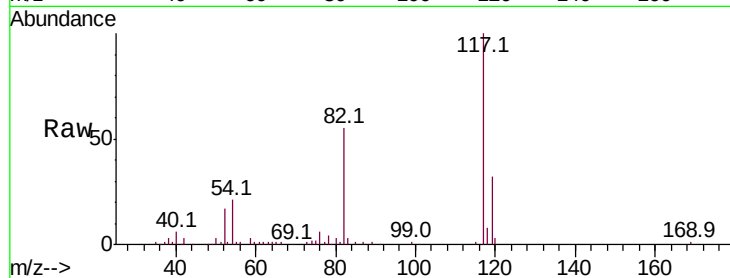




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007896.D
Acq: 24 Dec 2018 18:26

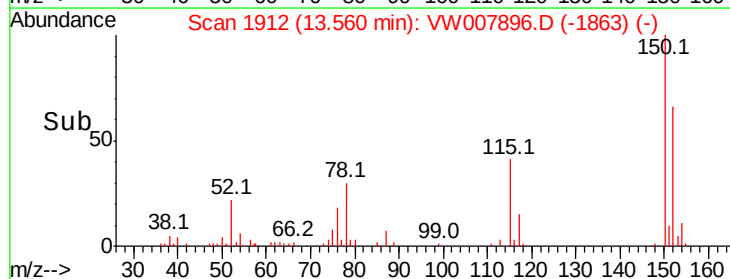
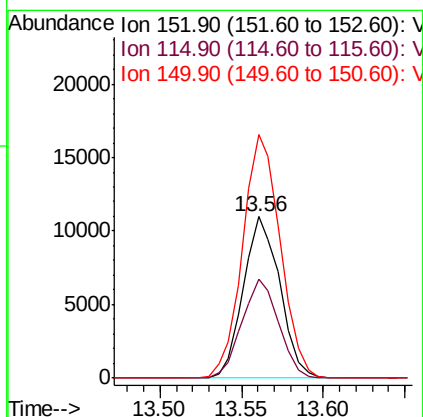
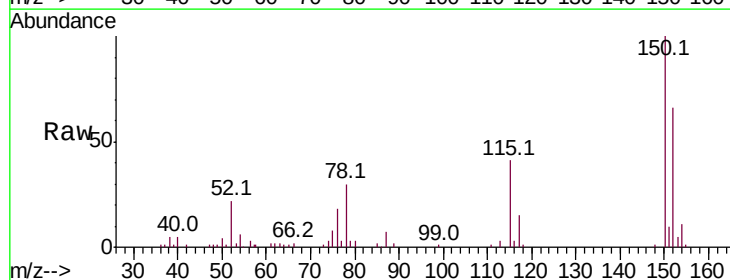
Instrument :
MSVOA_W
ClientSampled :

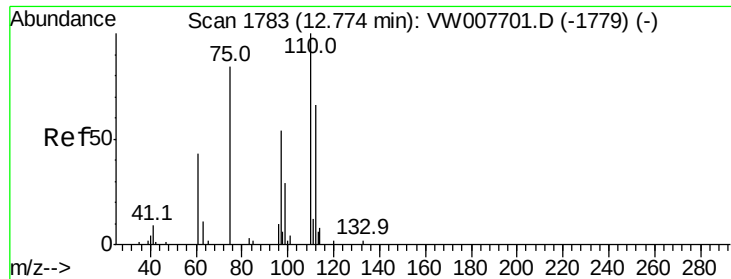
Tot Ion:117 Resp: 58299
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007896.D
Acq: 24 Dec 2018 18:26

Tgt Ion:152 Resp: 17048
Ion Ratio Lower Upper
152 100
115 61.9 31.8 95.4
150 156.1 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 81.015 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Instrument :

MSVOA_W

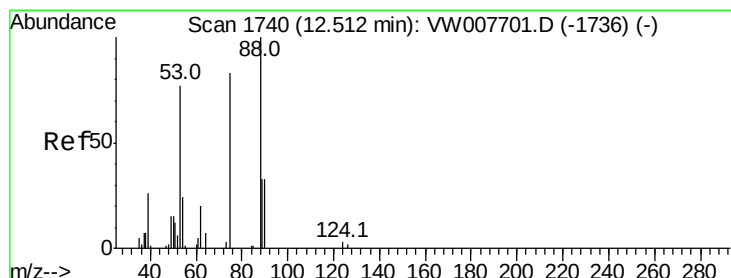
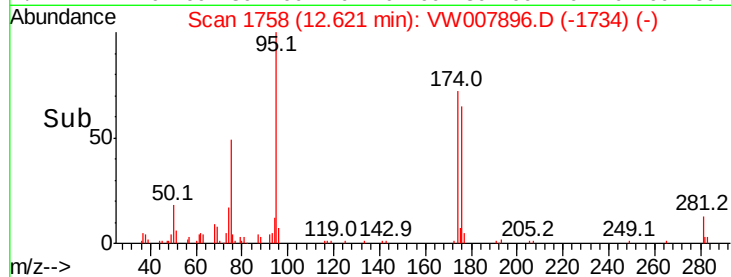
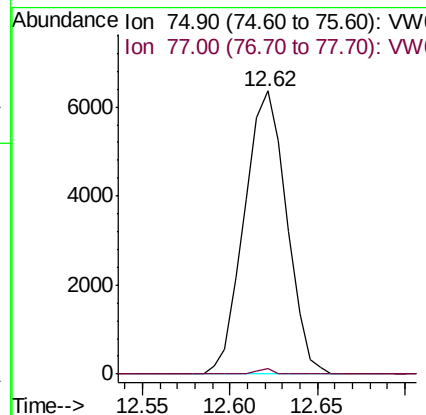
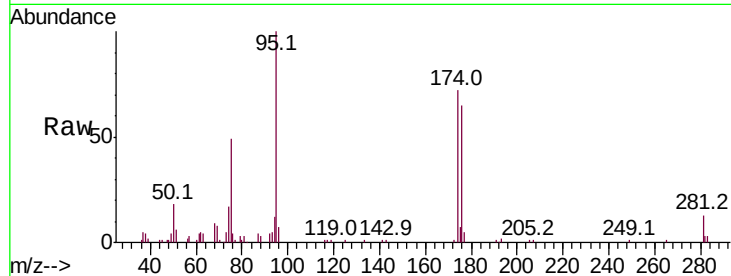
ClientSampleId :

Tot Ion: 75 Resp: 10675

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 170.057 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007896.D

Acq: 24 Dec 2018 18:26

Tgt Ion: 75 Resp: 10675

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

