

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007659.D
 Acq On : 18 Dec 2018 15:35
 Operator : SY/AP
 Sample : J6379-05RE
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:19:11 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	22301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	36191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16167	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	13562	54.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	10323	47.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.24%	
50) Toluene-d8	10.32	98	35742	43.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.02%	
62) 4-Bromofluorobenzene	12.62	95	14461	47.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.76%	

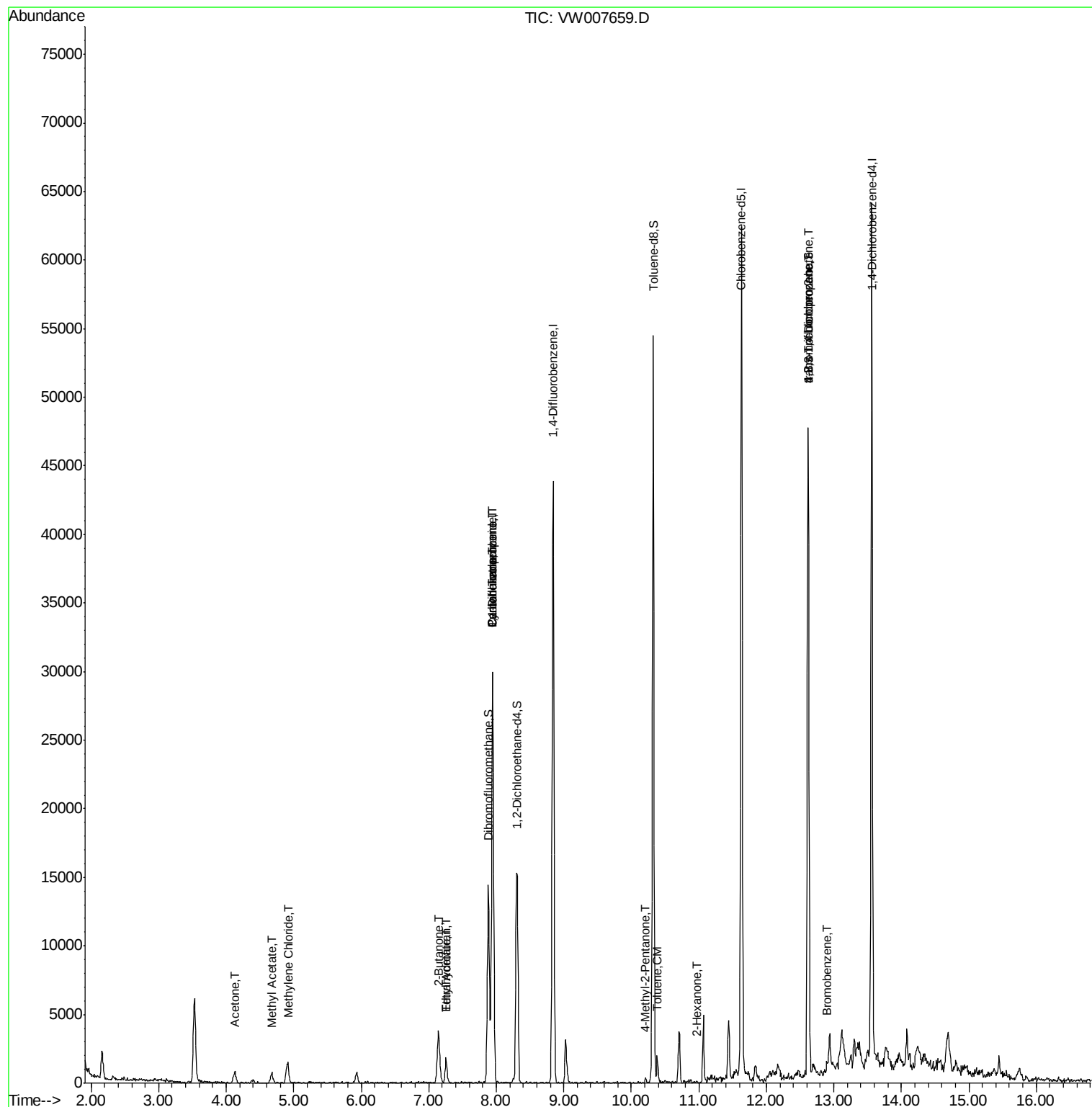
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1578	36.515	ug/l	90
18) Methyl Acetate	4.68	43	1300	11.084	ug/l #	88
20) Methylene Chloride	4.91	84	1194	1.231	ug/l #	86
25) 2-Butanone	7.14	43	179	3.173	ug/l #	45
29) Tetrahydrofuran	7.26	42	149	4.172	ug/l #	30
31) Cyclohexane	7.95	56	488	1.270	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	1653	5.007	ug/l #	42
37) Ethyl Acetate	7.26	43	2510	20.441	ug/l #	95
38) Carbon Tetrachloride	7.95	117	2280	6.347	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	301	2.626	ug/l #	48
52) Toluene	10.39	92	928	1.565	ug/l	88
59) 2-Hexanone	10.98	43	102	1.335	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	7332	55.003	ug/l #	1
77) Bromobenzene	12.90	156	499	1.817	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7332	121.502	ug/l #	7

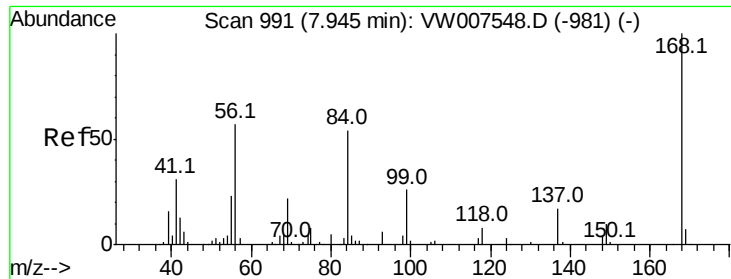
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

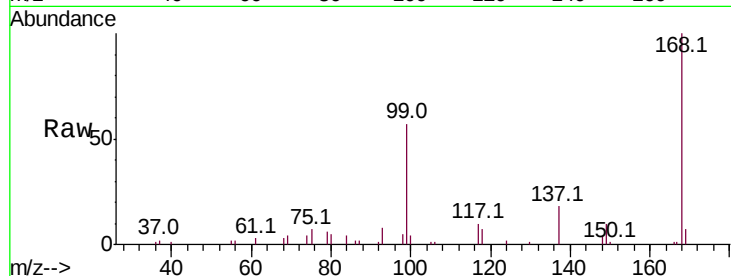
ClientSampled :

Tot Ion:168 Resp: 22301

Ion Ratio Lower Upper

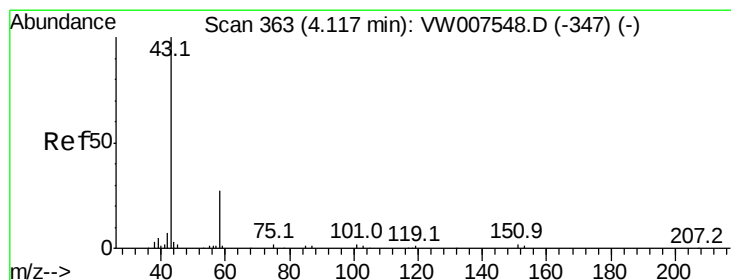
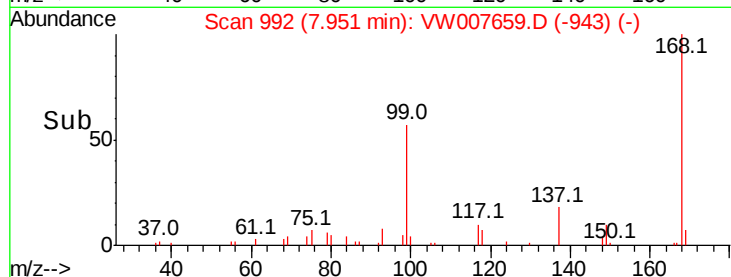
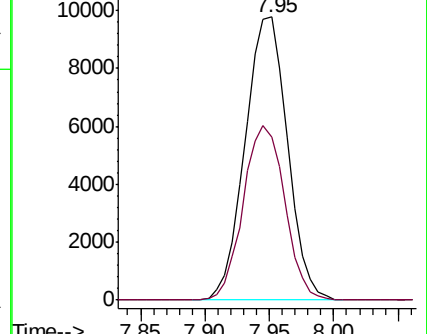
168 100

99 57.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 36.515 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007659.D

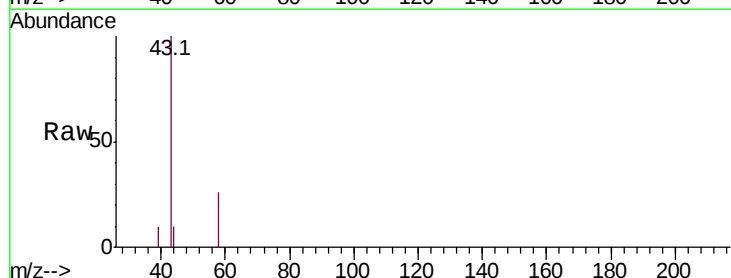
Acq: 18 Dec 2018 15:35

Tgt Ion: 43 Resp: 1578

Ion Ratio Lower Upper

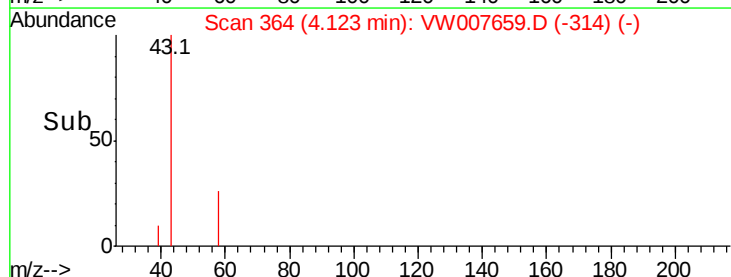
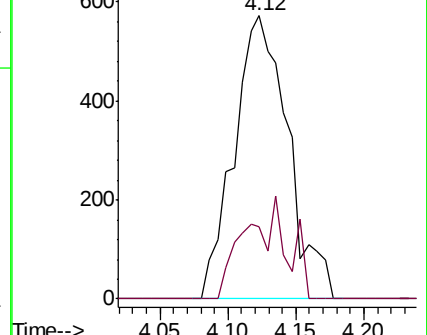
43 100

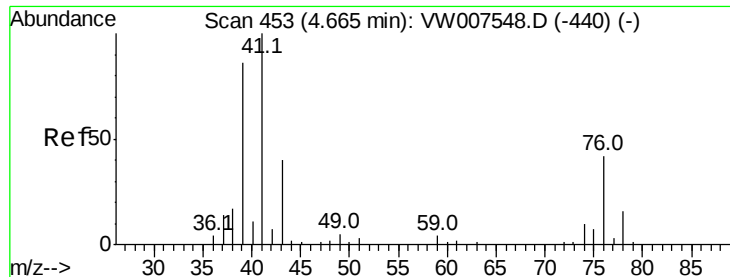
58 25.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: 11.084 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

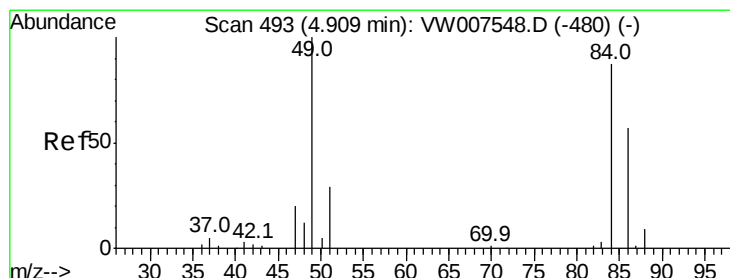
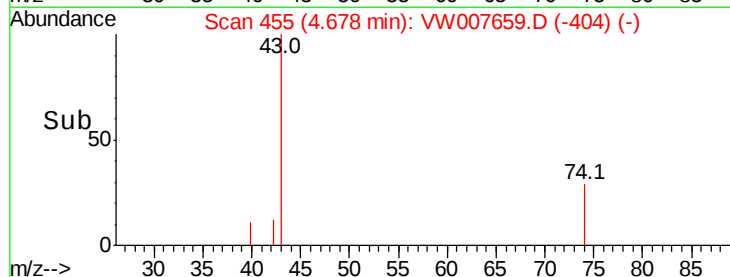
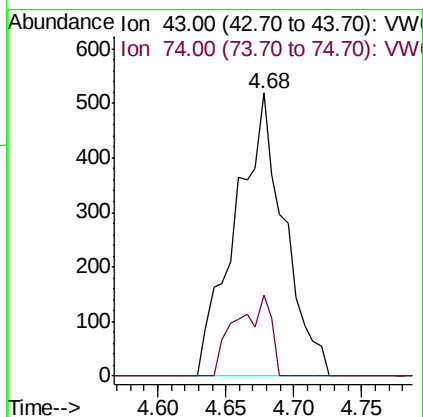
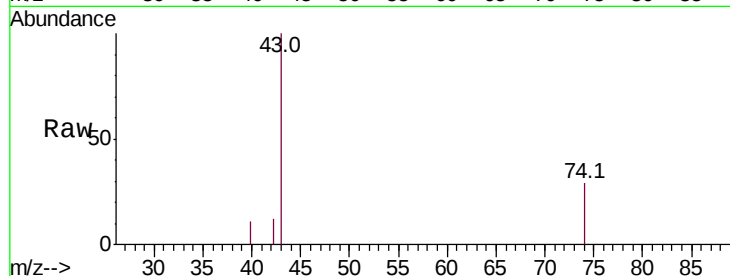
ClientSampleId :

Tot Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

74 20.3 21.1 31.7#



#20

Methylene Chloride

Concen: 1.231 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Tgt Ion: 84 Resp: 1194

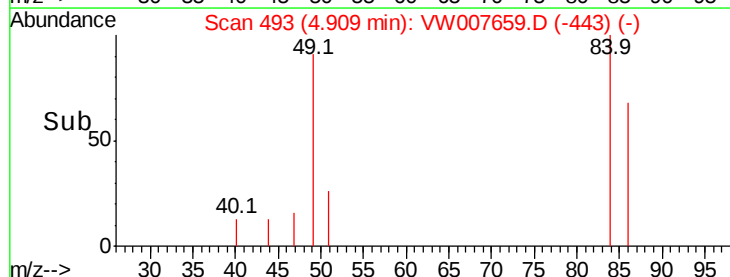
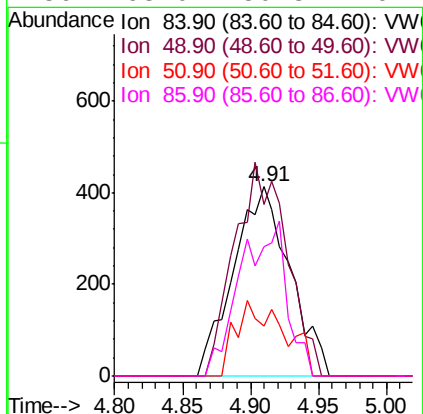
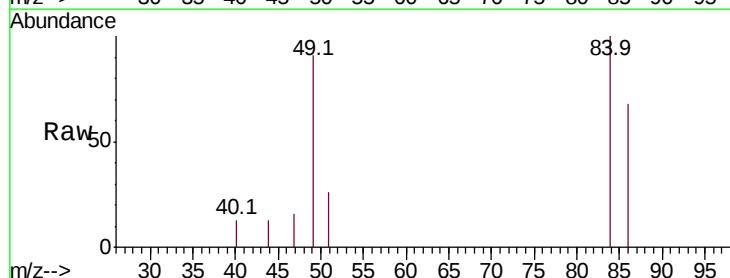
Ion Ratio Lower Upper

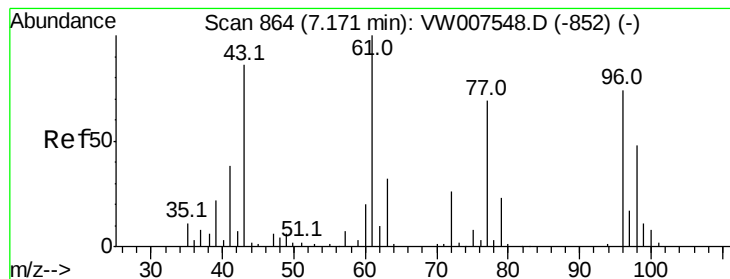
84 100

49 90.6 87.1 130.7

51 26.4 28.2 42.2#

86 68.0 50.8 76.2





#25

2-Butanone

Concen: 3.173 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

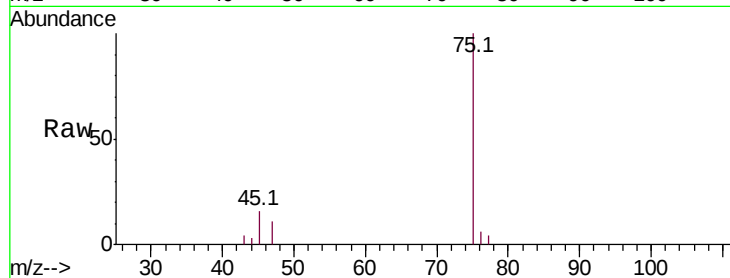
ClientSampled :

Tot Ion: 43 Resp: 179

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

7.14

120

100

80

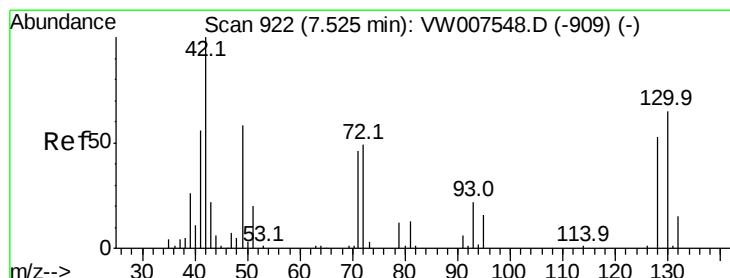
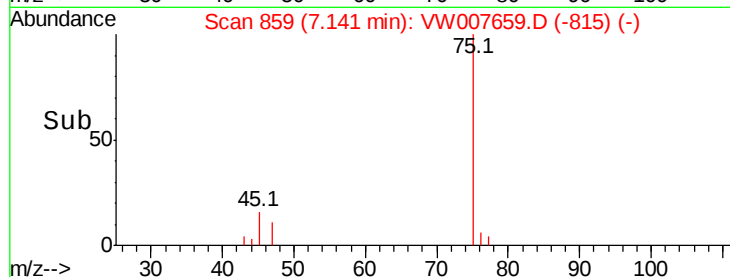
60

40

20

0

Time-->



#29

Tetrahydrofuran

Concen: 4.172 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.27 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

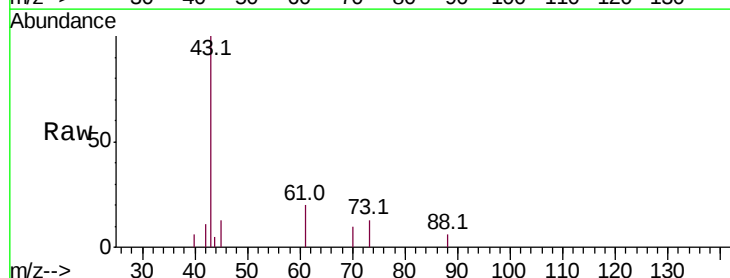
Tgt Ion: 42 Resp: 149

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

71 0.0 35.5 53.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

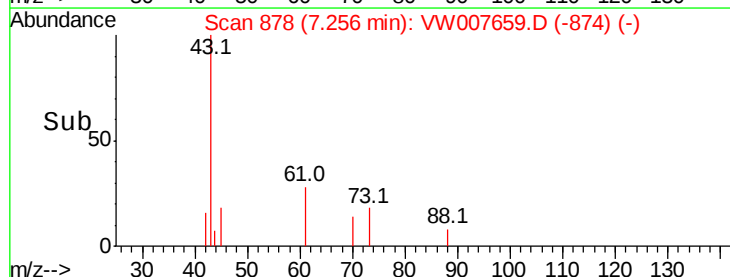
150

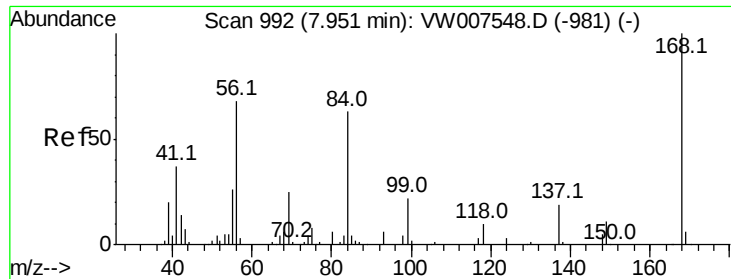
100

50

0

Time-->

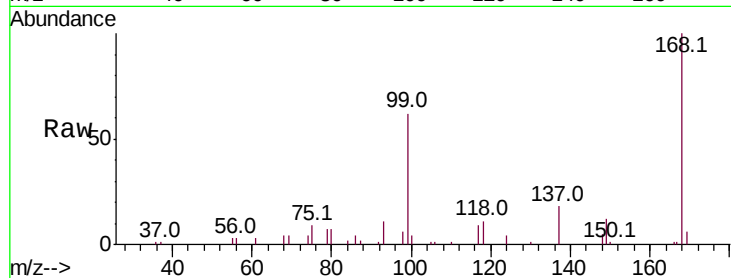




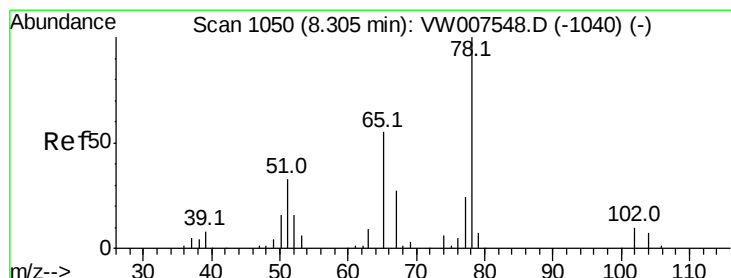
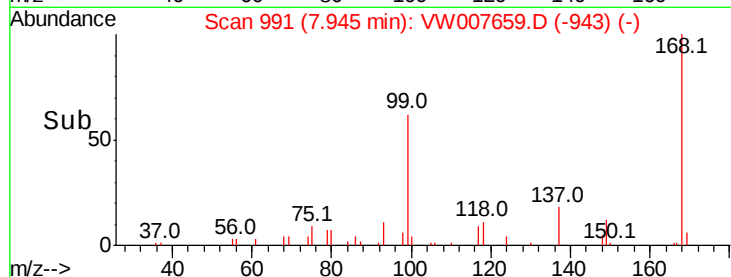
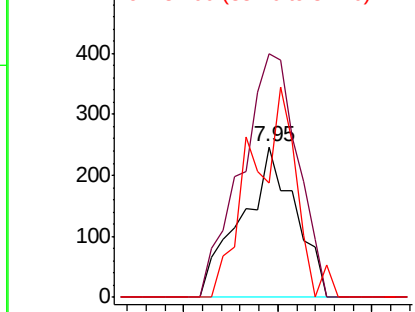
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
69 161.5 28.9 43.3#
84 75.7 71.8 107.6

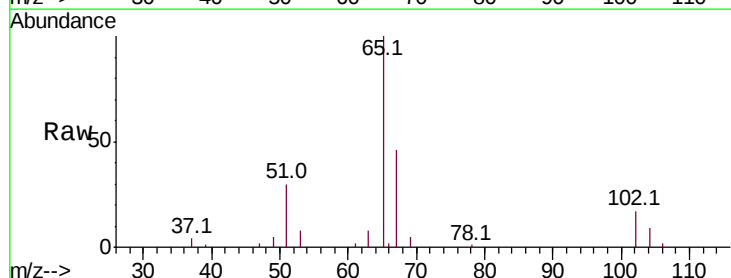


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

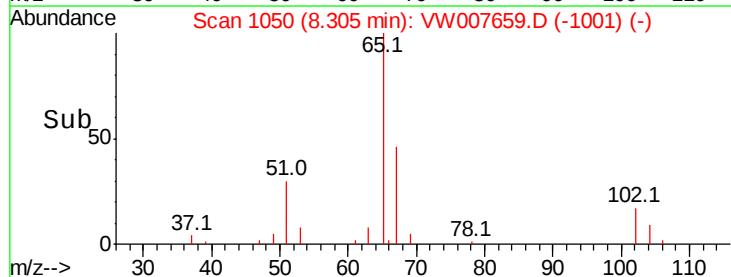
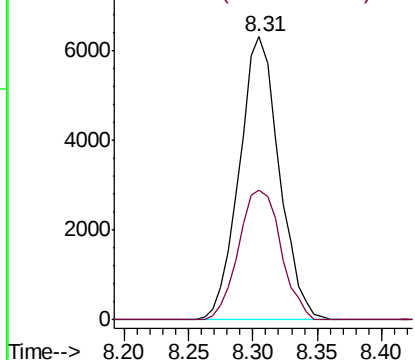


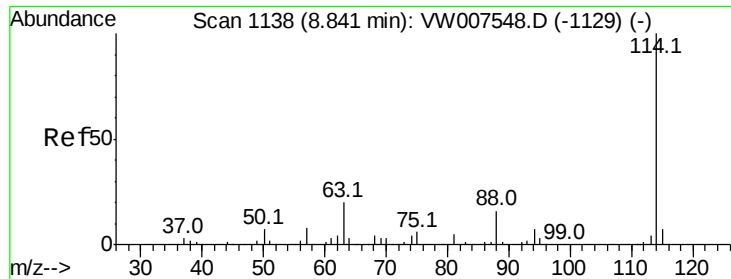
#33
1,2-Dichloroethane-d4
Concen: 54.816 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Tgt Ion: 65 Resp: 13562
Ion Ratio Lower Upper
65 100
67 48.6 0.0 101.6



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

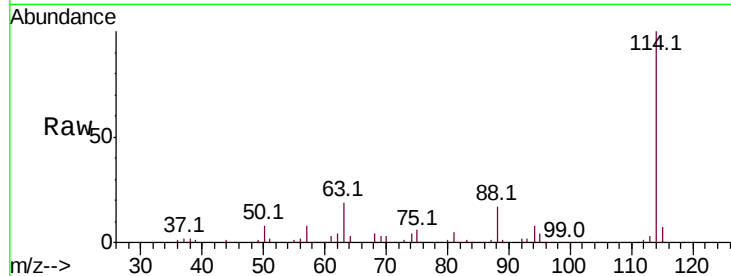




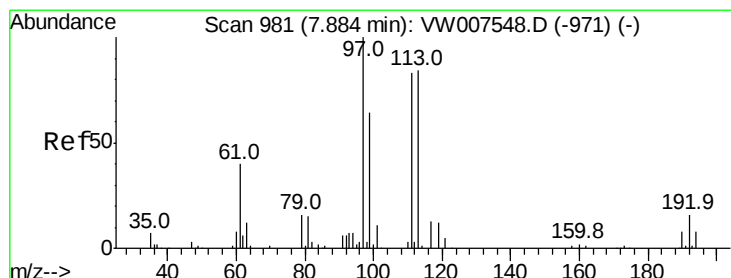
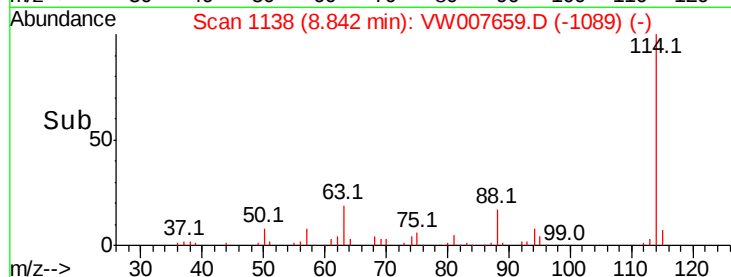
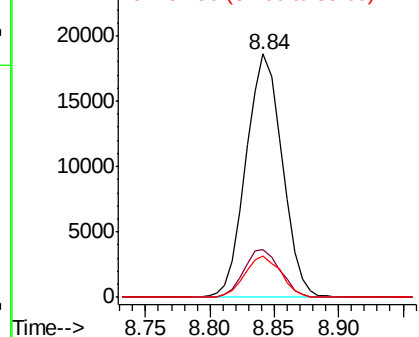
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007659.D
 Acq: 18 Dec 2018 15:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 36191
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 17.1 0.0 31.4

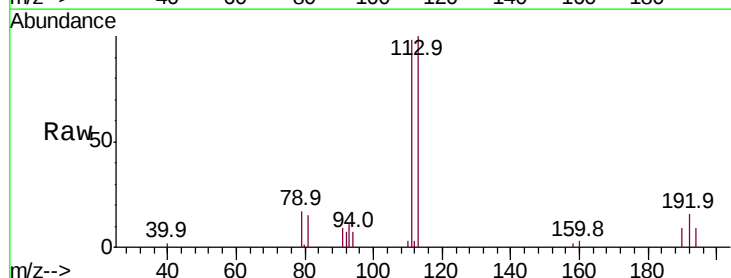


Abundance Ion 113.90 (113.60 to 114.60): V
 25000 Ion 63.00 (62.70 to 63.70): VW
 20000 Ion 87.90 (87.60 to 88.60): VW
 15000
 10000
 5000
 0

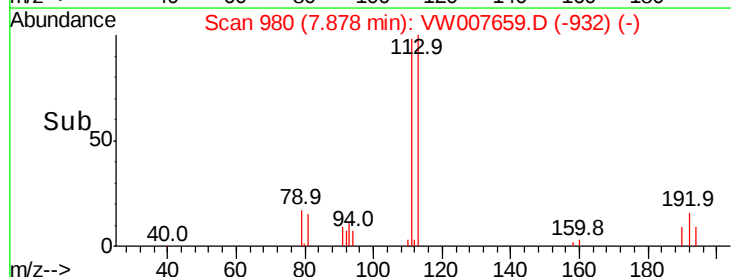
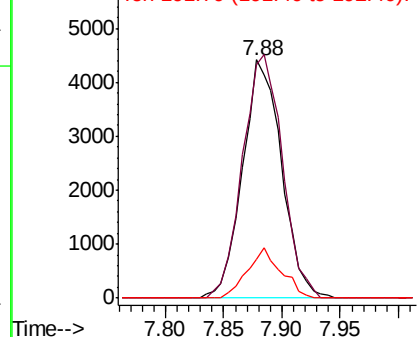


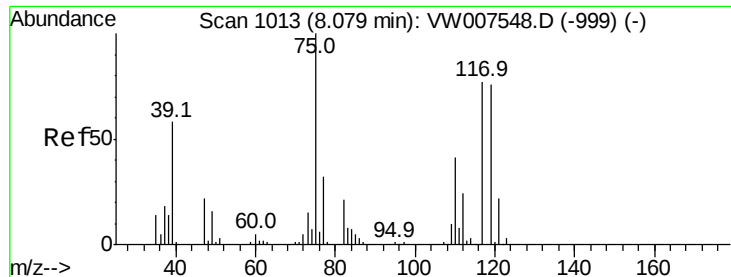
#35
 Dibromofluoromethane
 Concen: 47.120 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007659.D
 Acq: 18 Dec 2018 15:35

Tgt Ion:113 Resp: 10323
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.1 121.7
 192 18.3 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
 6000 Ion 110.80 (110.50 to 111.50): V
 5000 Ion 191.70 (191.40 to 192.40): V
 4000
 3000
 2000
 1000
 0

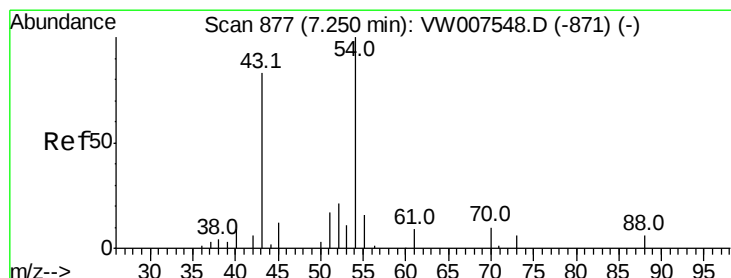
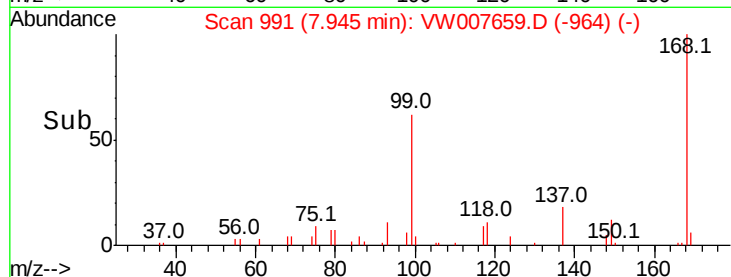
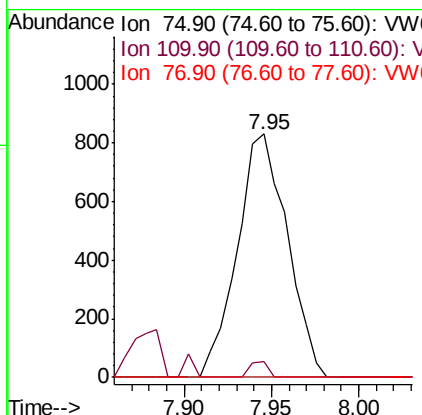
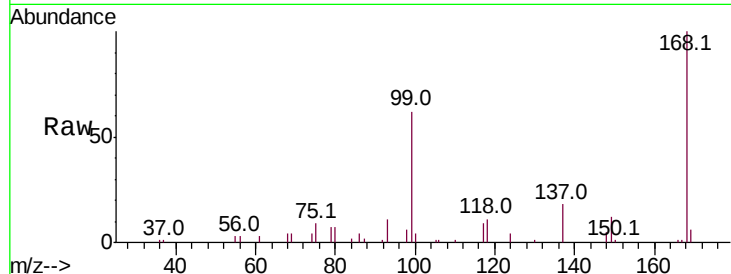




#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007659.D
 Acq: 18 Dec 2018 15:35

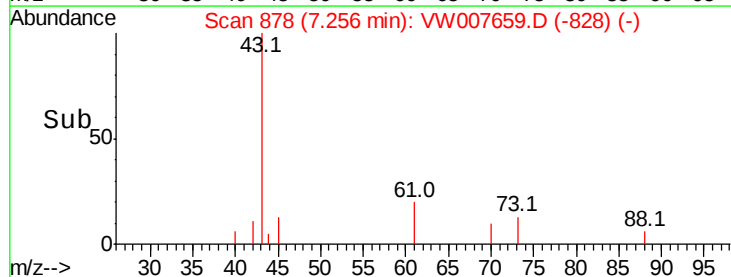
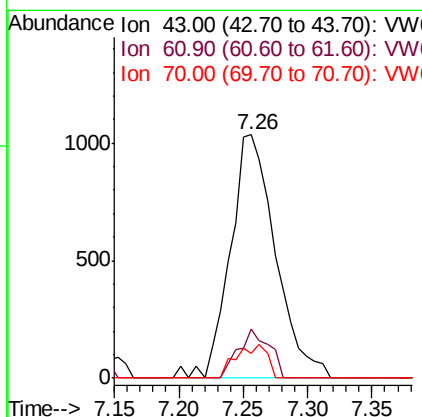
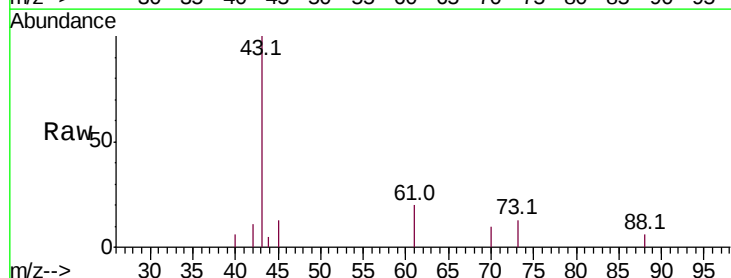
Instrument :
 MSVOA_W
 ClientSampleId :

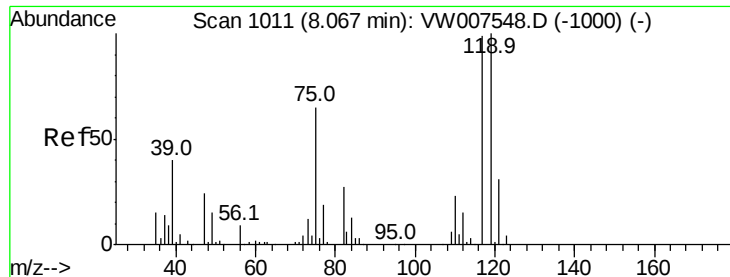
Tot Ion: 75 Resp: 1653
 Ion Ratio Lower Upper
 75 100
 110 2.3 18.5 55.5#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 20.441 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW007659.D
 Acq: 18 Dec 2018 15:35

Tgt Ion: 43 Resp: 2510
 Ion Ratio Lower Upper
 43 100
 61 13.7 12.1 18.1
 70 9.4 10.0 15.0#

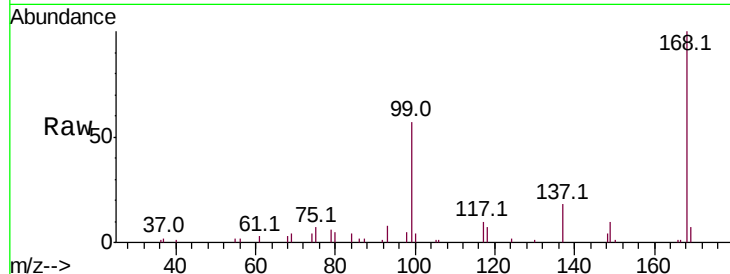




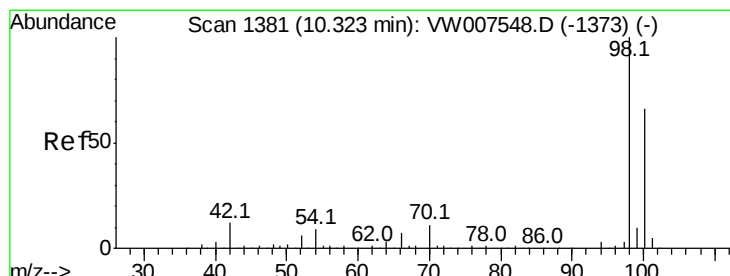
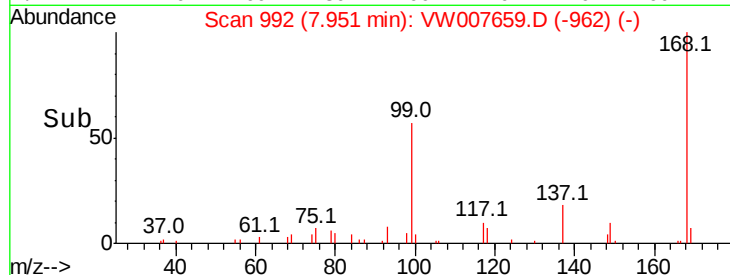
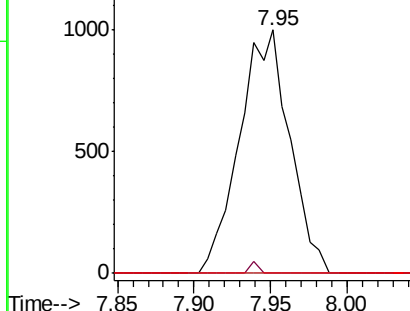
#38
Carbon Tetrachloride
Concen: 6.347 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 2280
Ion Ratio Lower Upper
117 100
119 0.0 74.3 111.5#
121 0.0 24.3 36.5#

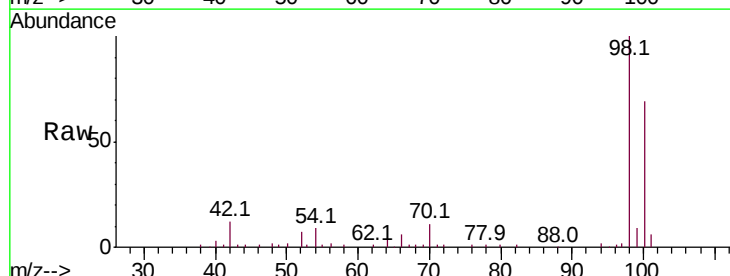


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

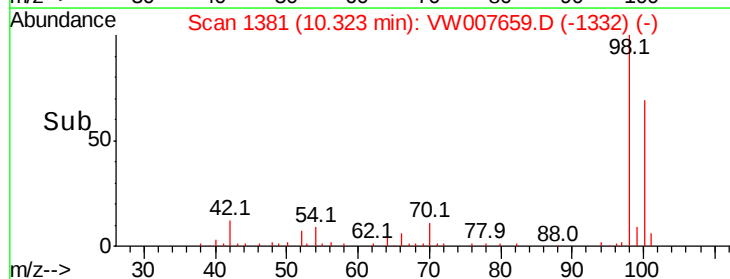
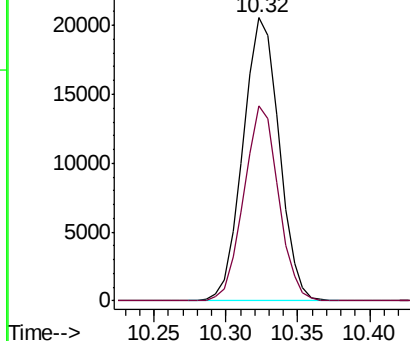


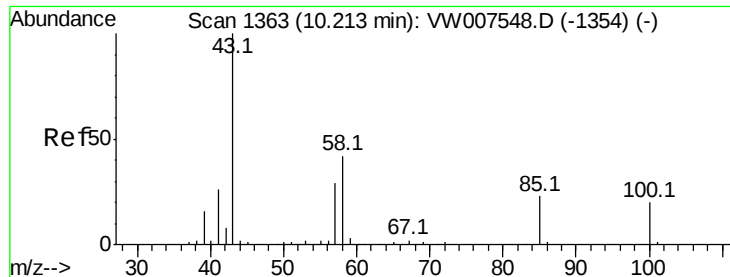
#50
Toluene-d8
Concen: 43.512 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Tgt Ion: 98 Resp: 35742
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 2.626 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

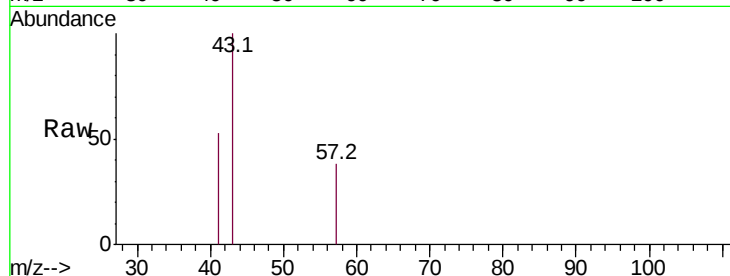
ClientSampled :

Tot Ion: 43 Resp: 301

Ion Ratio Lower Upper

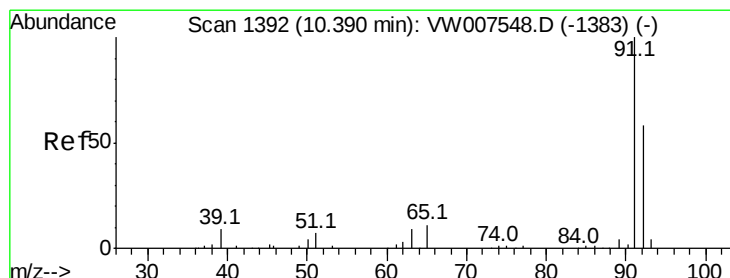
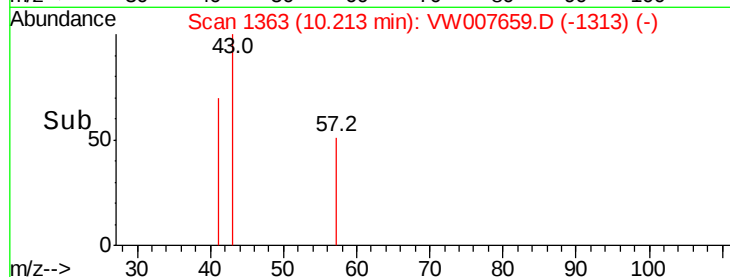
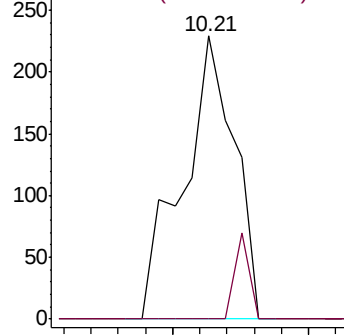
43 100

58 8.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 1.565 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007659.D

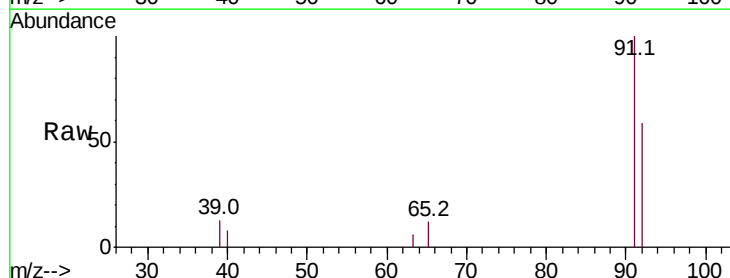
Acq: 18 Dec 2018 15:35

Tgt Ion: 92 Resp: 928

Ion Ratio Lower Upper

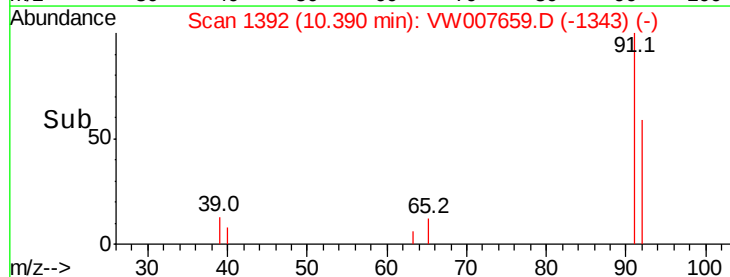
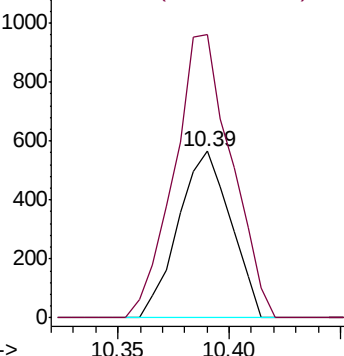
92 100

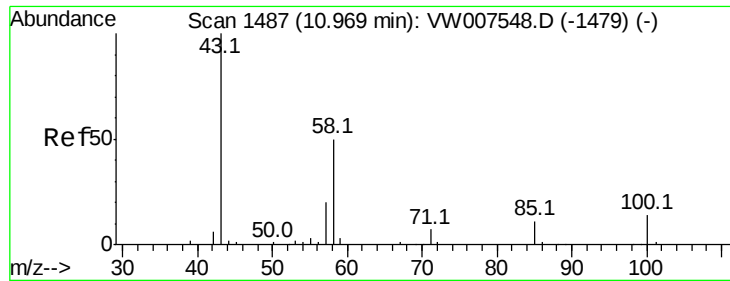
91 186.0 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

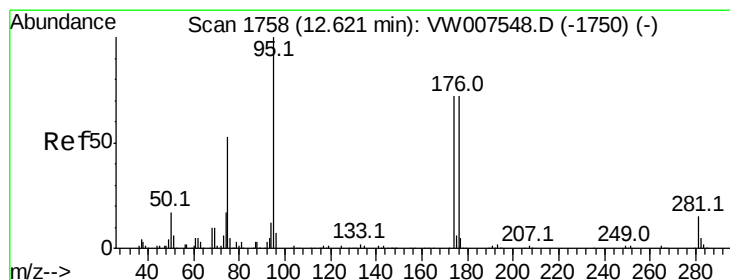
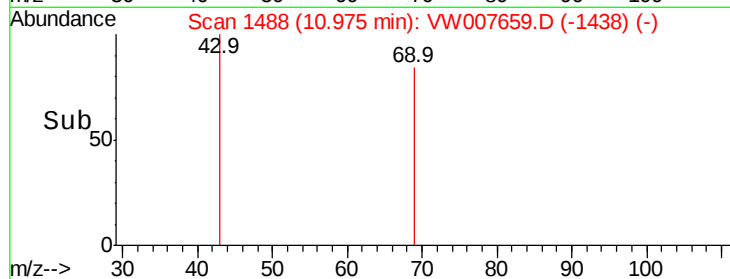
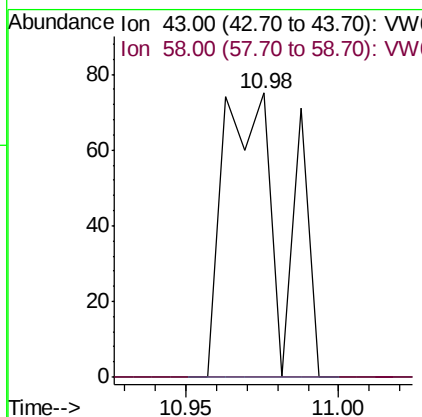
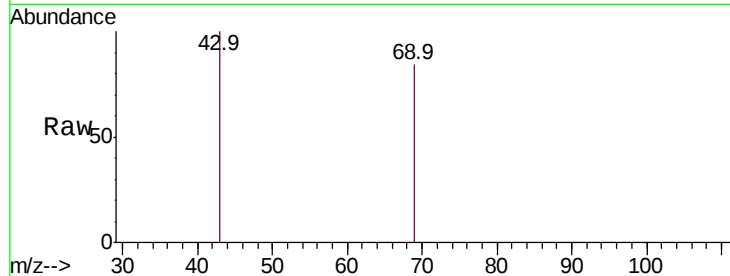




#59
2-Hexanone
Concen: 1.335 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

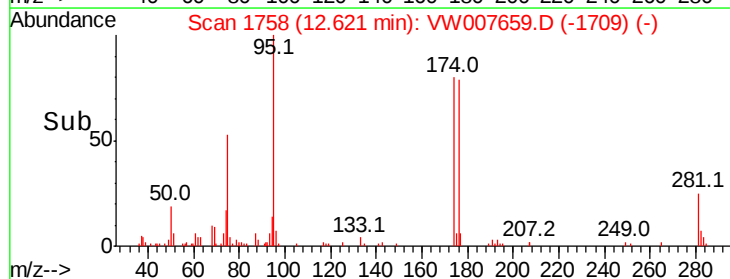
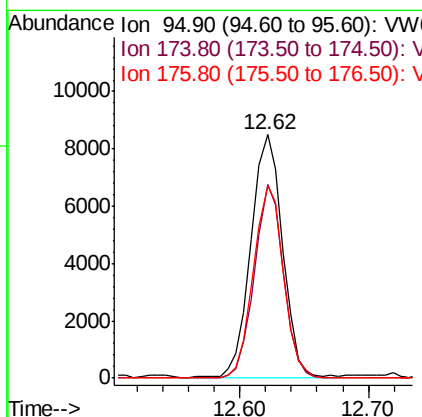
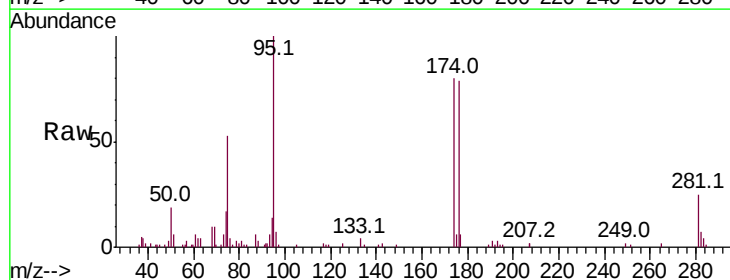
Instrument :
MSVOA_W
ClientSampleId :

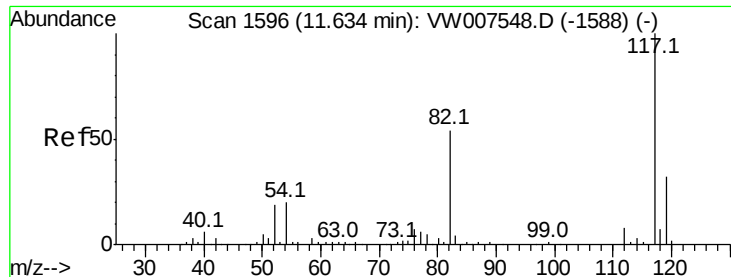
Tot Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 47.882 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Tgt Ion: 95 Resp: 14461
Ion Ratio Lower Upper
95 100
174 72.1 0.0 147.2
176 74.3 0.0 138.8

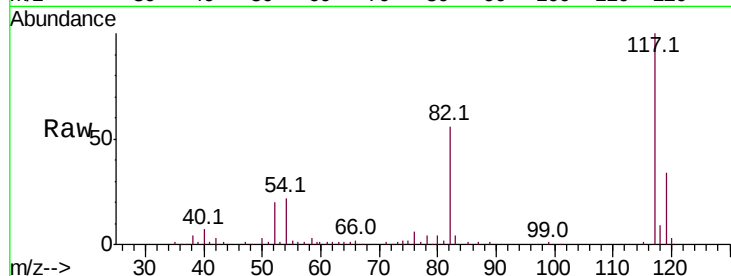




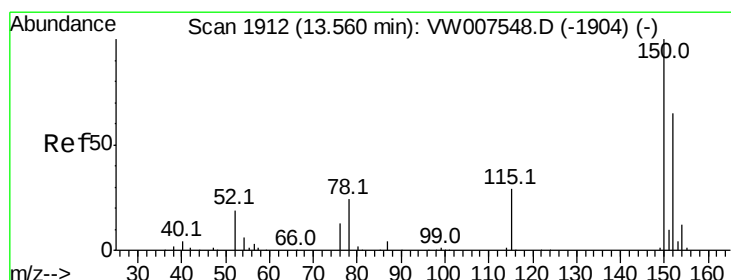
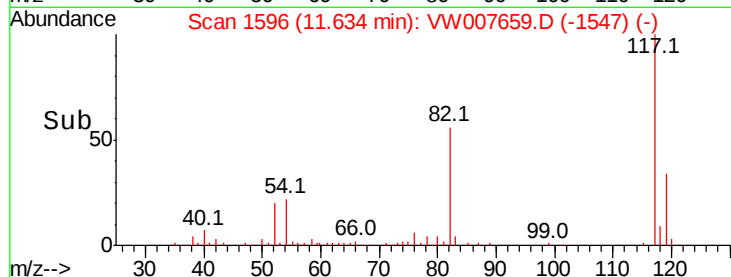
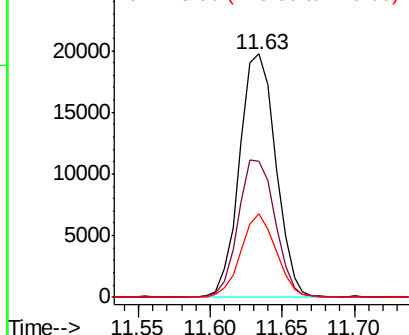
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 34638
Ion Ratio Lower Upper
117 100
82 56.1 42.3 63.5
119 34.5 23.0 34.6

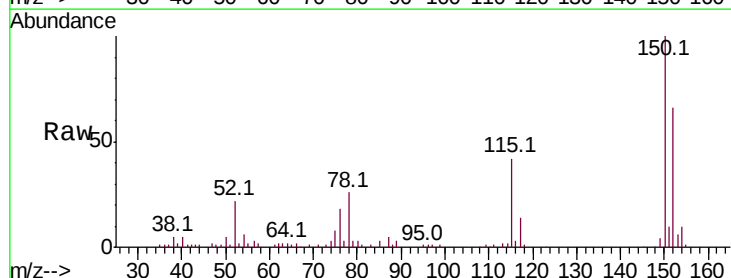


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

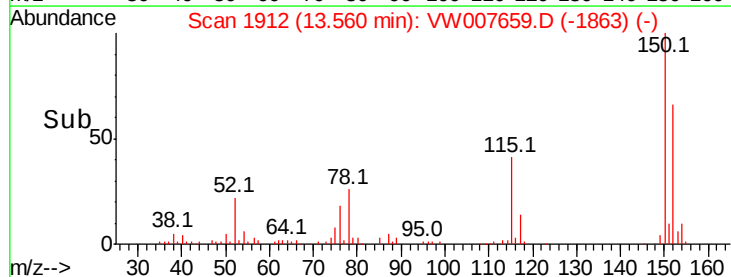
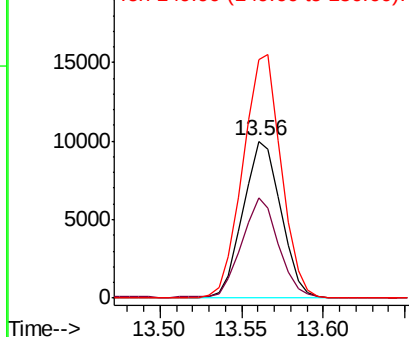


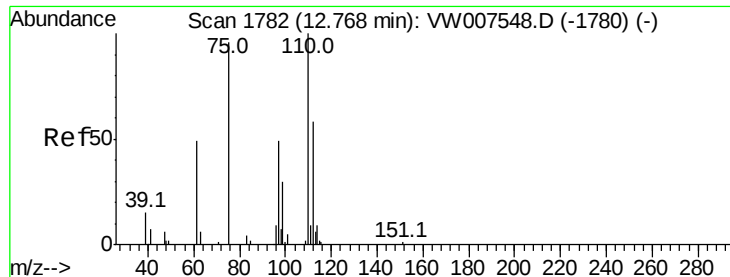
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007659.D
Acq: 18 Dec 2018 15:35

Tgt Ion:152 Resp: 16167
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.2
150 156.8 0.0 358.4



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





#76

1,2,3-Trichloropropane

Concen: 55.003 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

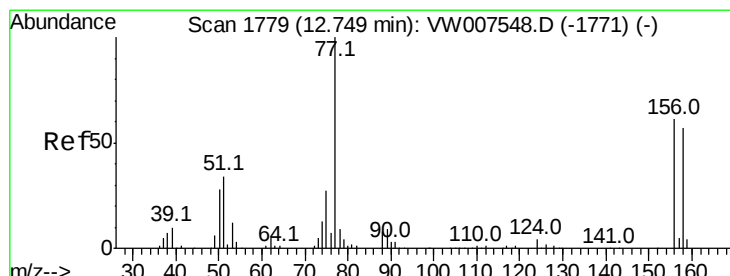
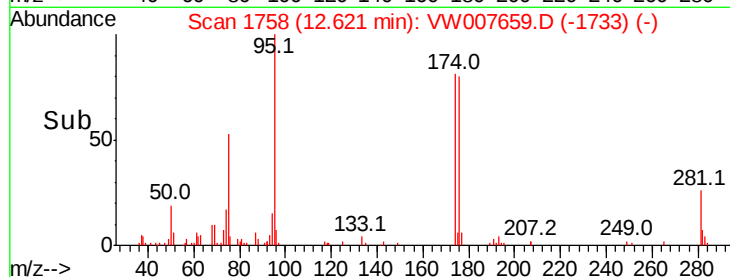
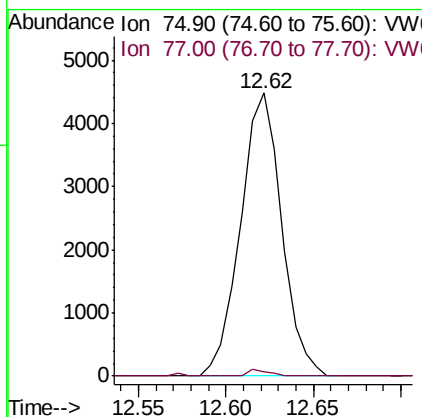
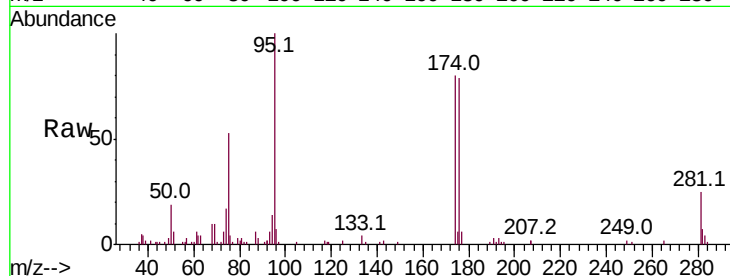
ClientSampleId :

Tot Ion: 75 Resp: 7332

Ion Ratio Lower Upper

75 100

77 1.2 166.9 500.8#



#77

Bromobenzene

Concen: 1.817 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.15 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

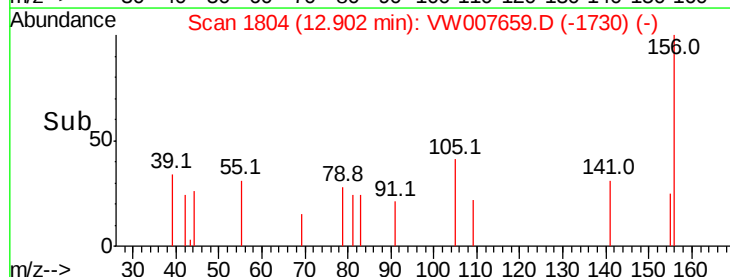
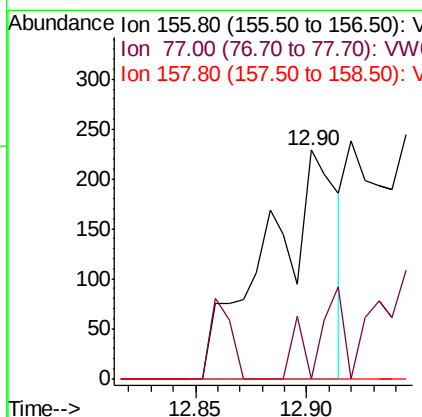
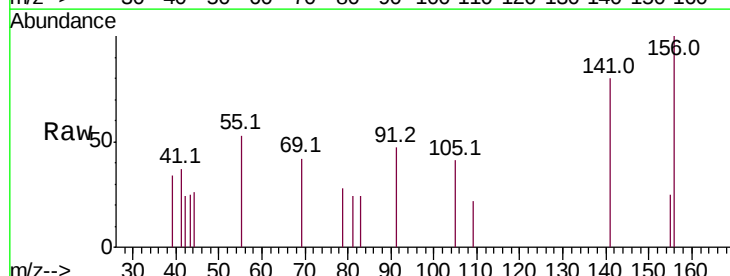
Tgt Ion: 156 Resp: 499

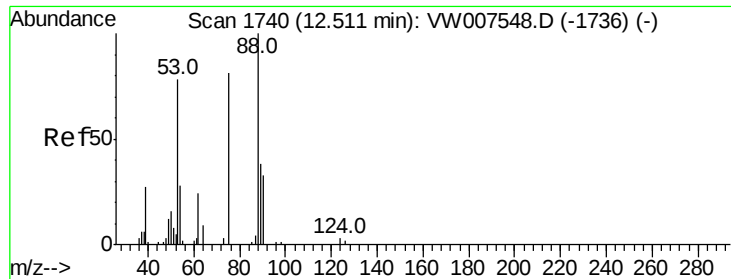
Ion Ratio Lower Upper

156 100

77 15.6 88.1 264.4#

158 0.0 45.6 136.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 121.502 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007659.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 7332

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

