

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007634.D
 Acq On : 17 Dec 2018 16:24
 Operator : SY/AP
 Sample : J6378-16RE
 Misc : 4.43G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:05:45 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	37301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	60957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23436	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	19978	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
50) Toluene-d8	10.32	98	61794	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
62) 4-Bromofluorobenzene	12.62	95	15103	29.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.38%	

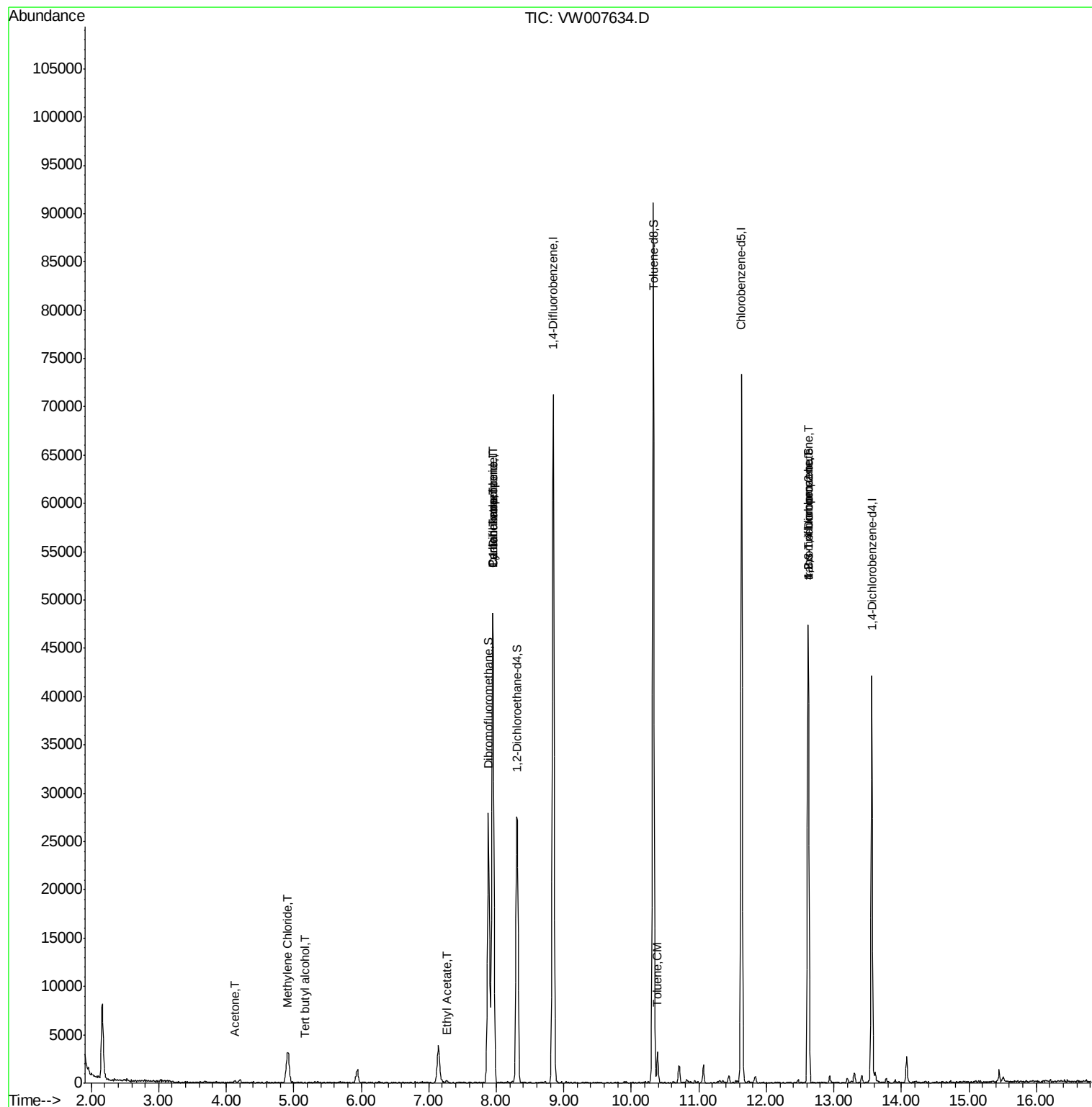
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	74	2.604	ug/l #	74
16) Acetone	4.13	43	328	4.538	ug/l #	44
20) Methylene Chloride	4.90	84	2662	3.056	ug/l	94
31) Cyclohexane	7.95	56	829	1.290	ug/l #	59
36) 1,1-Dichloropropene	7.95	75	2820	5.071	ug/l #	49
37) Ethyl Acetate	7.27	43	341	1.649	ug/l #	73
38) Carbon Tetrachloride	7.96	117	4088	6.756	ug/l #	18
52) Toluene	10.39	92	1483	1.485	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	7812	87.154	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7812	192.524	ug/l #	7

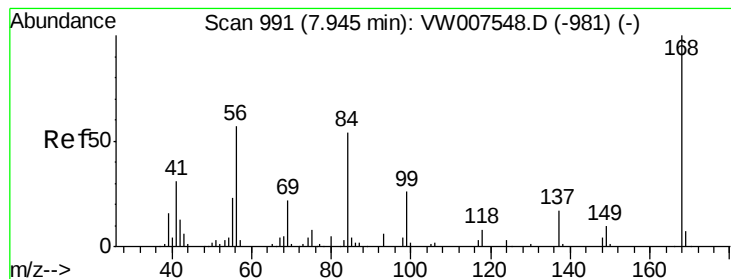
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

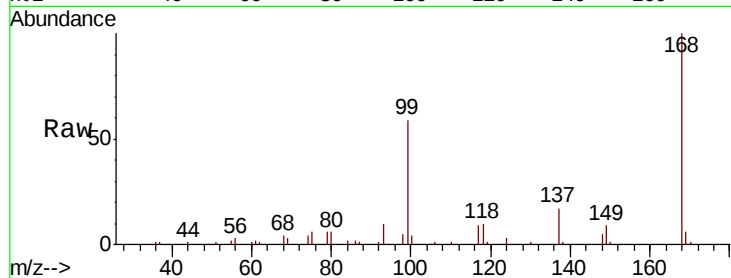
ClientSampleId :

Tot Ion:168 Resp: 37301

Ion Ratio Lower Upper

168 100

99 59.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

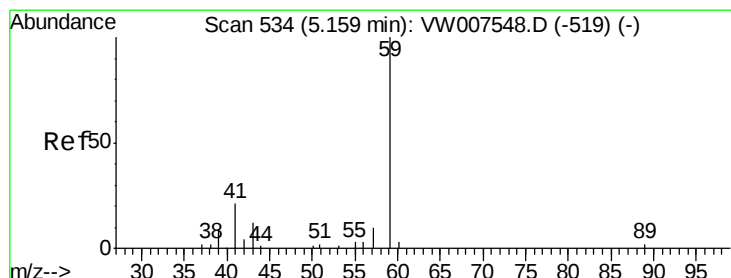
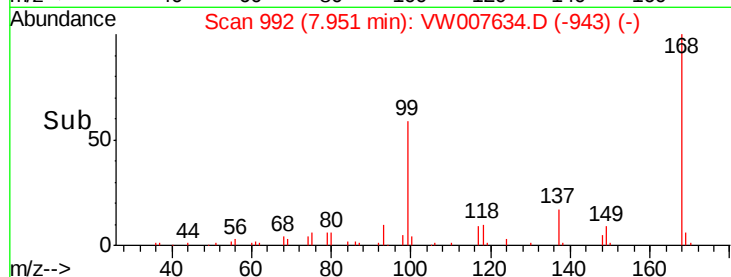
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 2.604 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007634.D

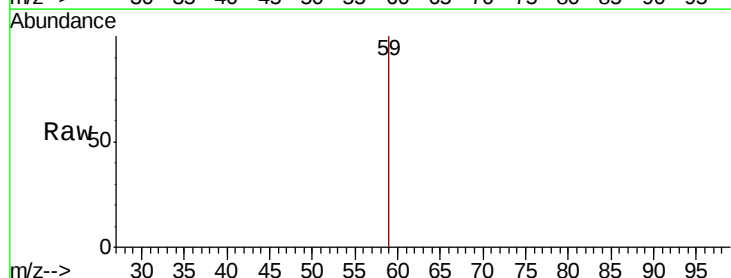
Acq: 17 Dec 2018 16:24

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

80

60

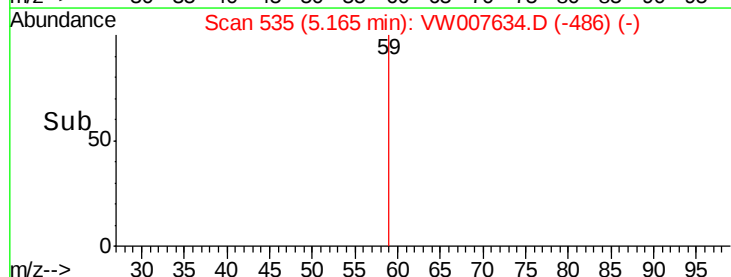
40

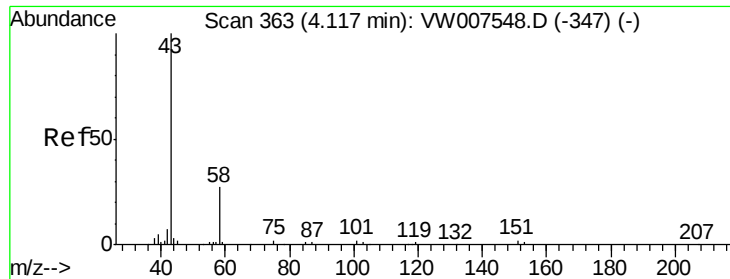
20

0

Time-->

5.14 5.16 5.18





#16

Acetone

Concen: 4.538 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

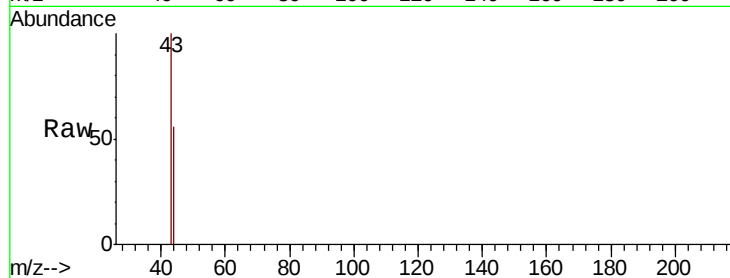
ClientSampleId :

Tot Ion: 43 Resp: 328

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

150

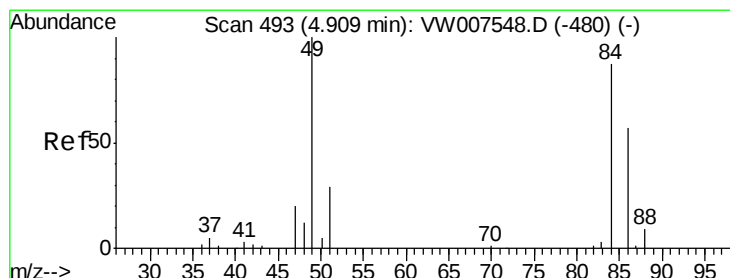
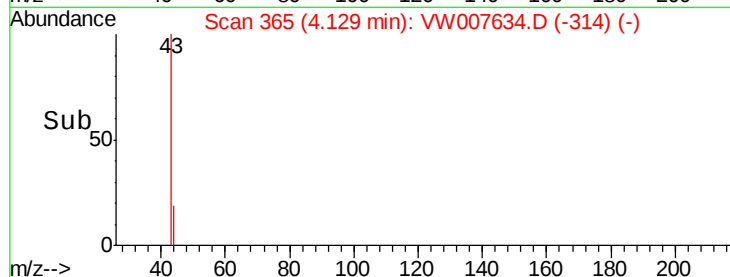
100

50

0

4.10 4.15

Time-->



#20

Methylene Chloride

Concen: 3.056 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Tgt Ion: 84 Resp: 2662

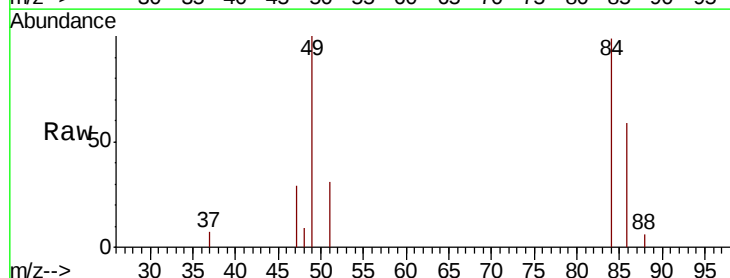
Ion Ratio Lower Upper

84 100

49 101.5 87.1 130.7

51 31.4 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

1500

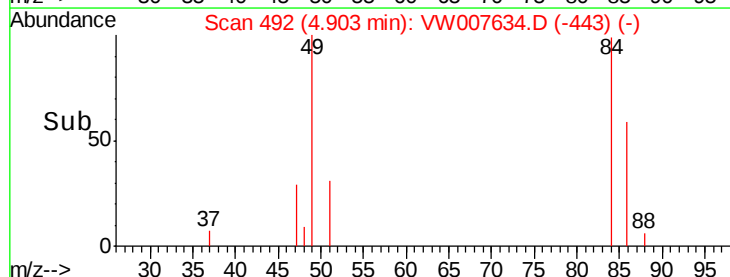
1000

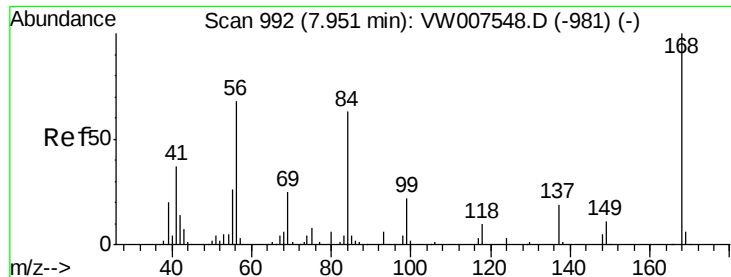
500

0

4.80 4.85 4.90 4.95 5.00

Time-->

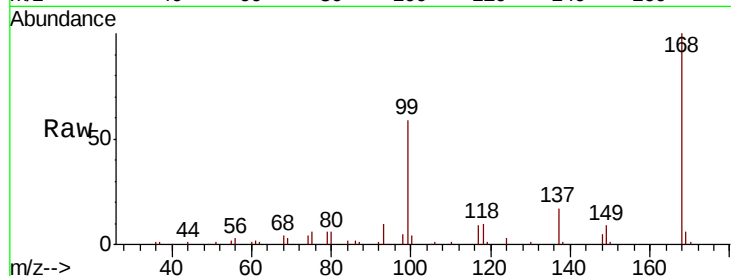




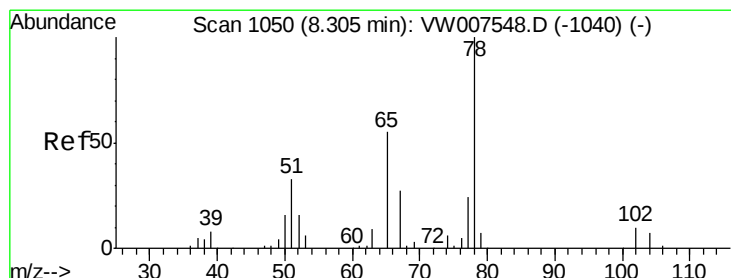
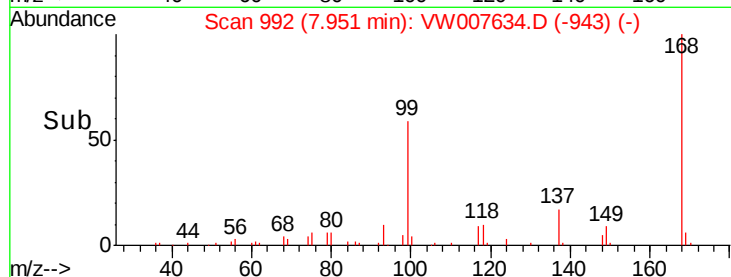
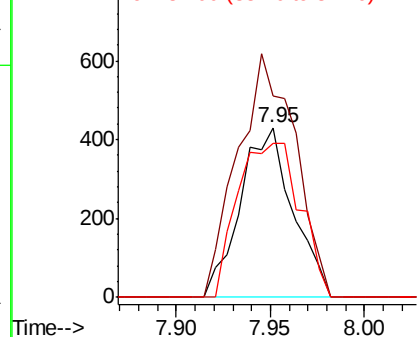
#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 829
Ion Ratio Lower Upper
56 100
69 118.8 28.9 43.3#
84 90.7 71.8 107.6

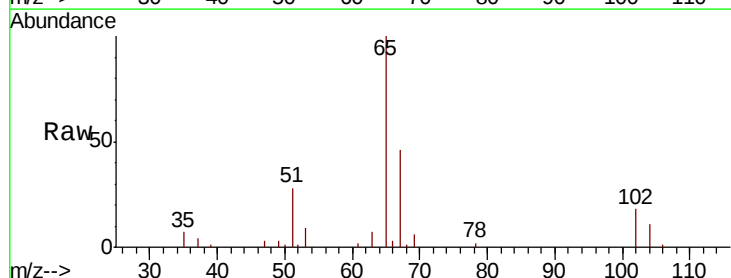


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

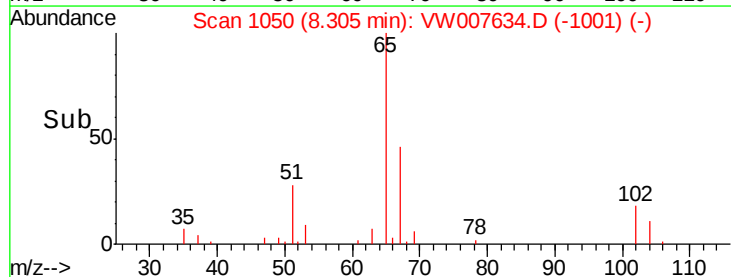
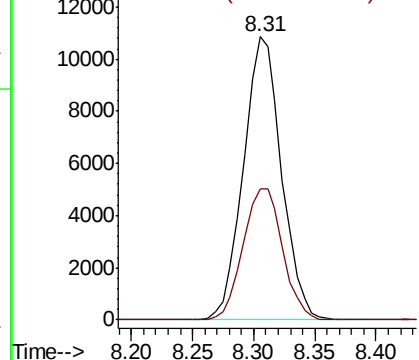


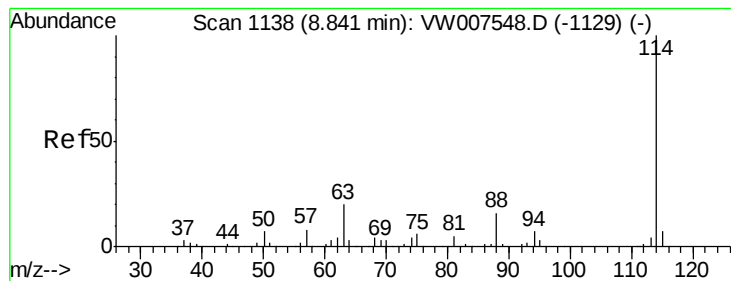
#33
1,2-Dichloroethane-d4
Concen: 56.633 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

Tgt Ion: 65 Resp: 23436
Ion Ratio Lower Upper
65 100
67 48.0 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: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

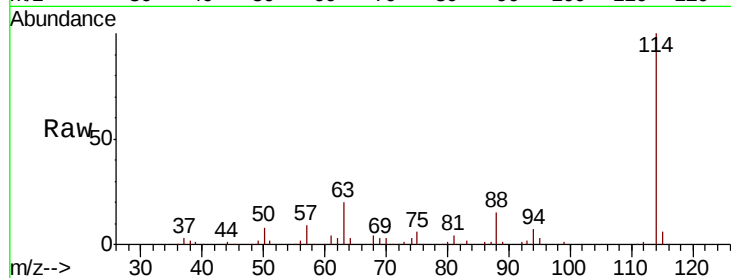
Tot Ion:114 Resp: 60957

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.3	0.0	31.4

114 100

63 19.6 0.0 39.6

88 15.3 0.0 31.4

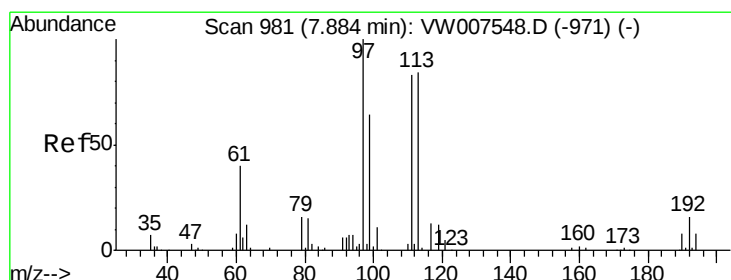
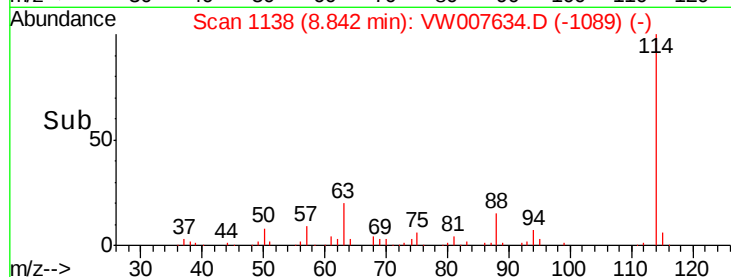
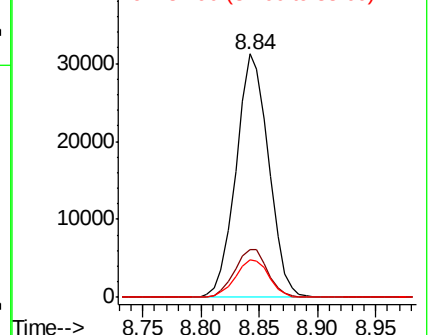


Abundance

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: 54.141 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

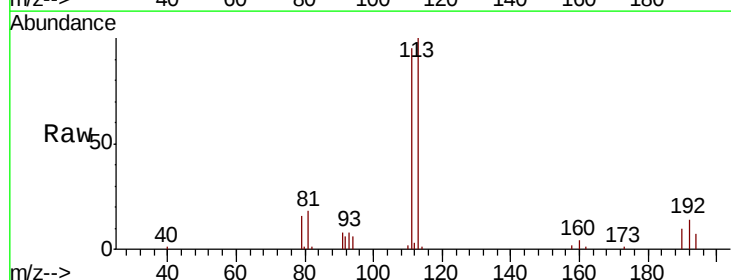
Tgt Ion:113 Resp: 19978

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	17.0	14.6	21.8

113 100

111 102.5 81.1 121.7

192 17.0 14.6 21.8

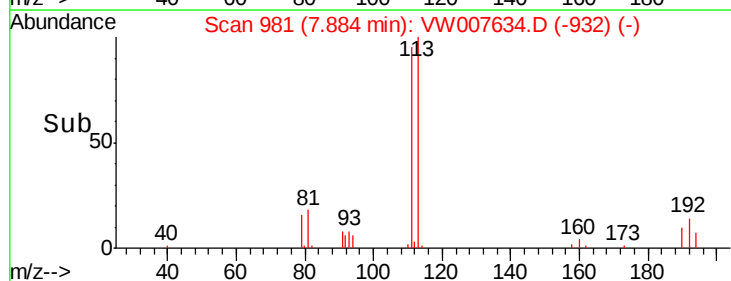
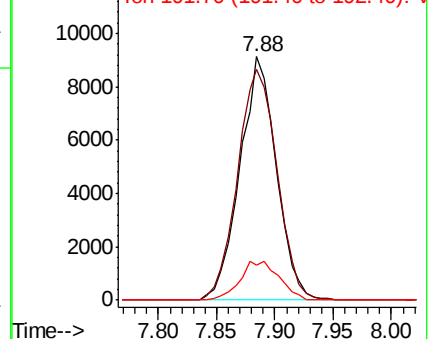


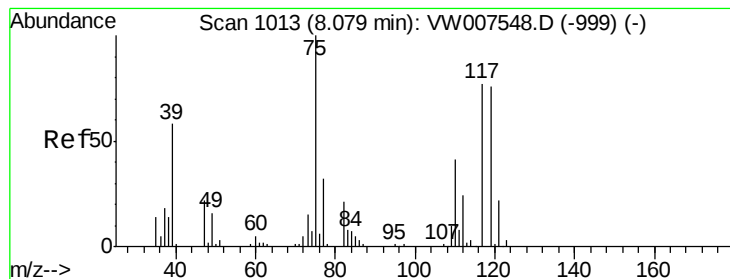
Abundance

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: 5.071 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

ClientSampleId :

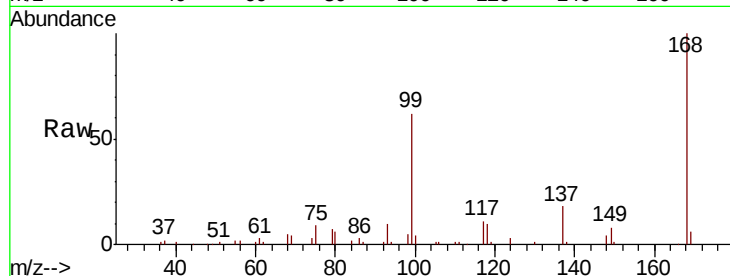
Tot Ion: 75 Resp: 2820

Ion Ratio Lower Upper

75 100

110 9.5 18.5 55.5#

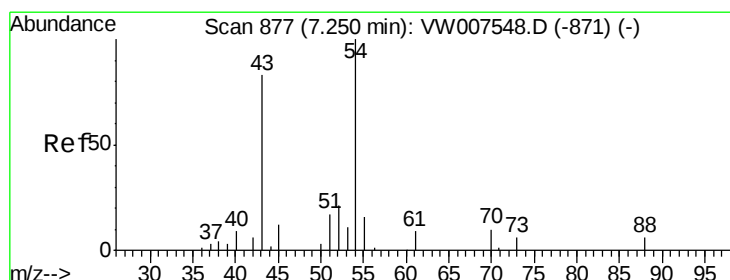
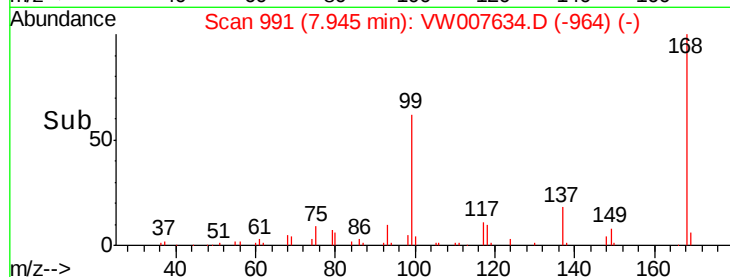
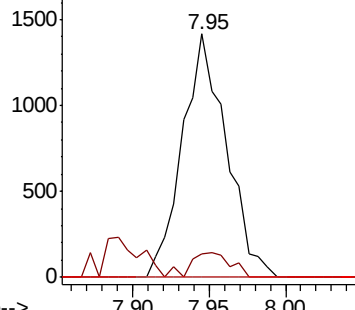
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.649 ug/l

RT: 7.27 min Scan# 880

Delta R.T. 0.02 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

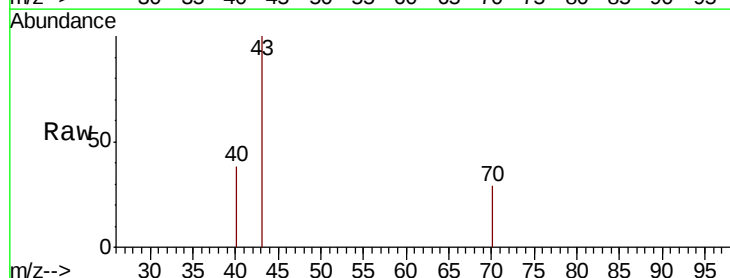
Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

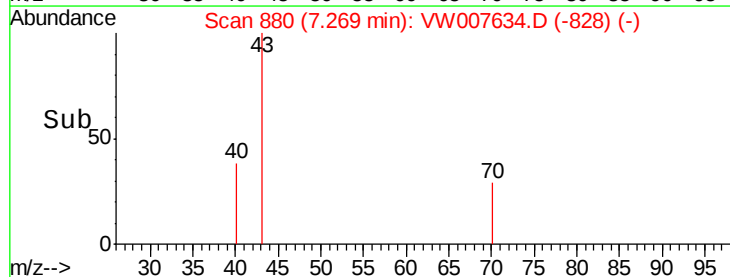
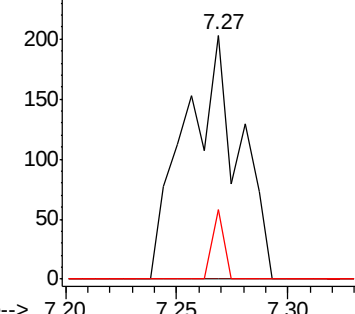
70 6.2 10.0 15.0#

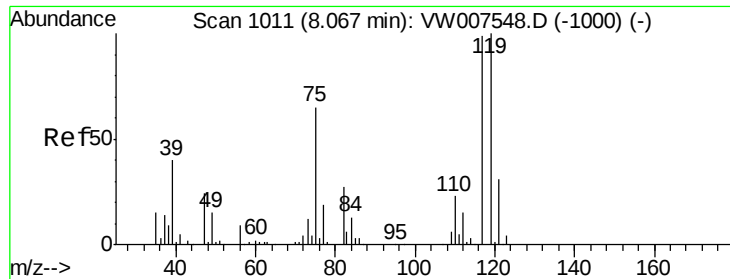


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

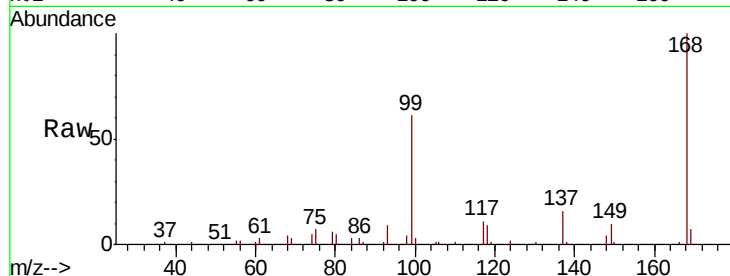




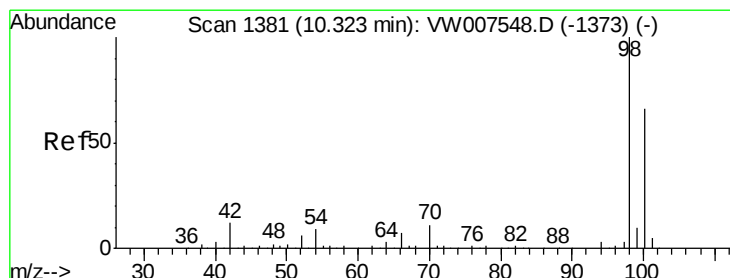
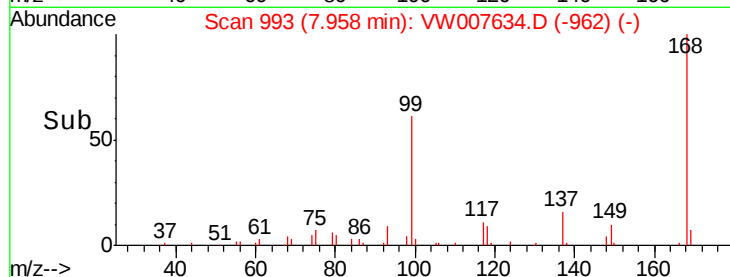
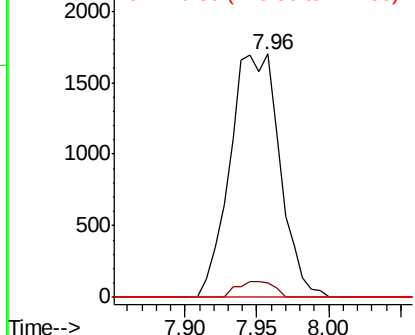
#38
Carbon Tetrachloride
Concen: 6.756 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 4088
Ion Ratio Lower Upper
117 100
119 5.8 74.3 111.5#
121 0.0 24.3 36.5#

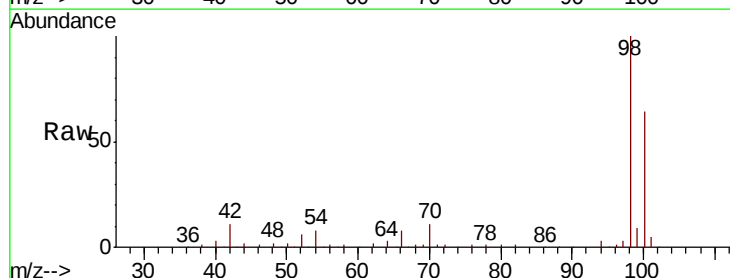


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

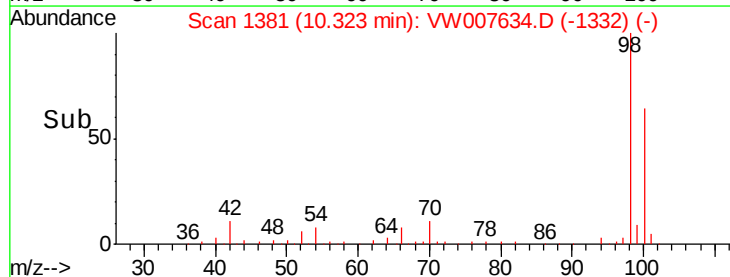
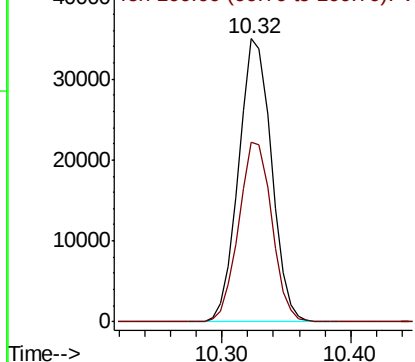


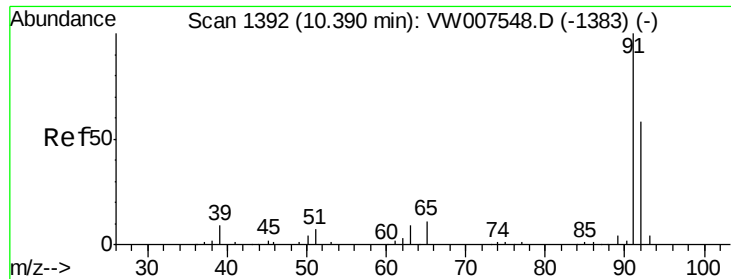
#50
Toluene-d8
Concen: 44.664 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

Tgt Ion: 98 Resp: 61794
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



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





#52

Toluene

Concen: 1.485 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

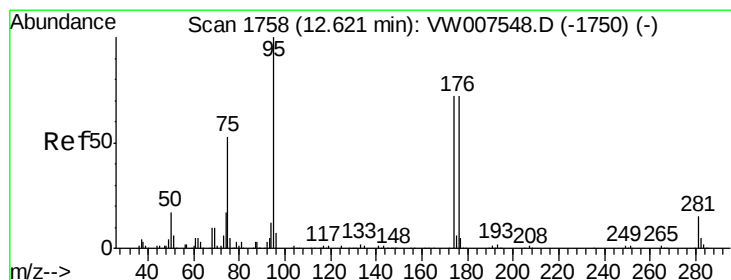
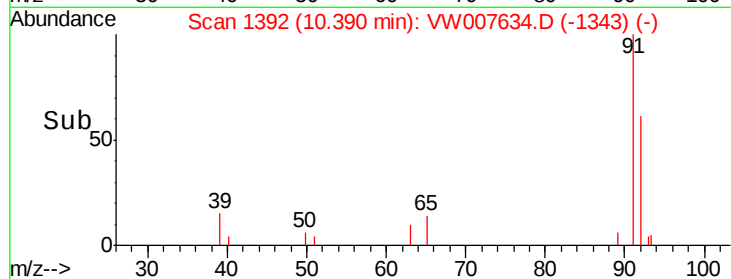
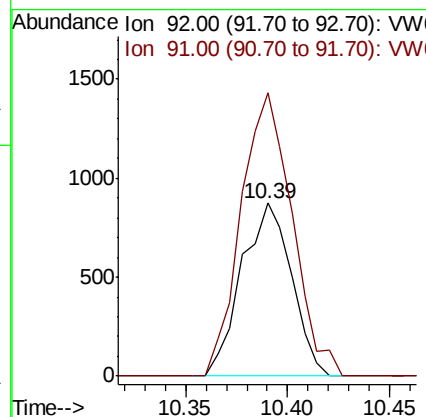
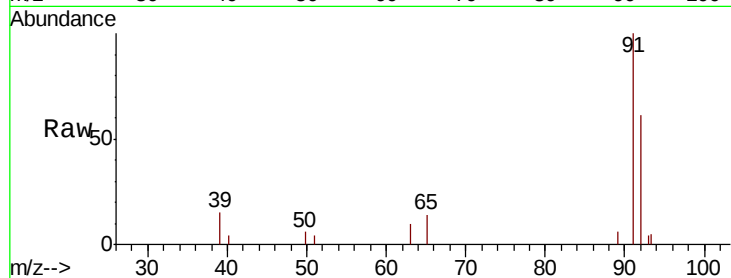
ClientSampleId :

Tot Ion: 92 Resp: 1483

Ion Ratio Lower Upper

92 100

91 168.0 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 29.690 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

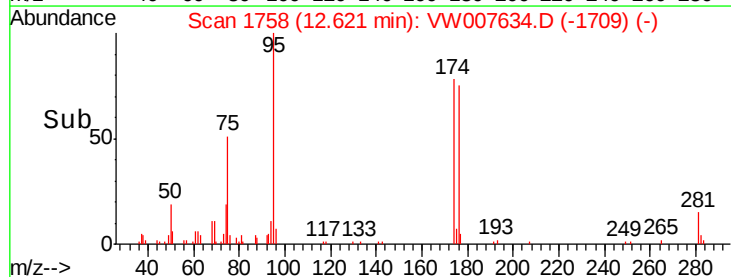
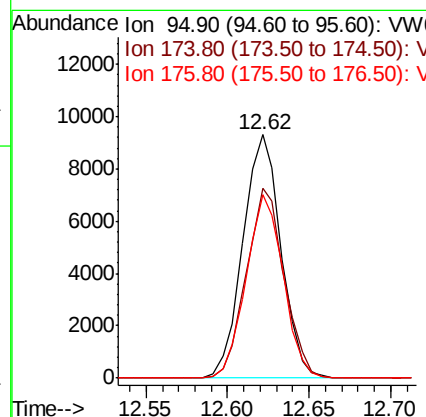
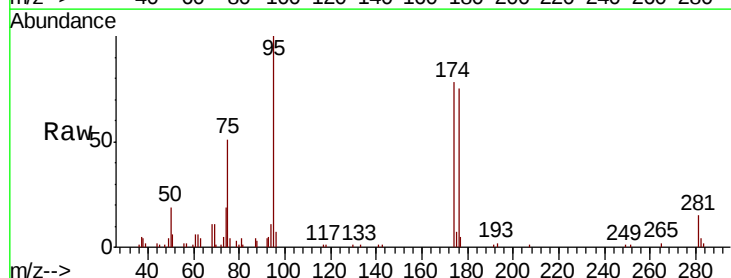
Tgt Ion: 95 Resp: 15103

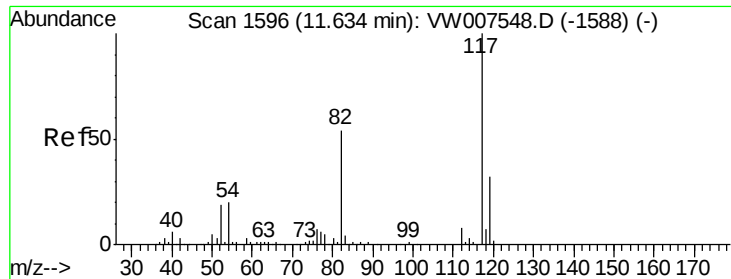
Ion Ratio Lower Upper

95 100

174 77.7 0.0 147.2

176 73.3 0.0 138.8

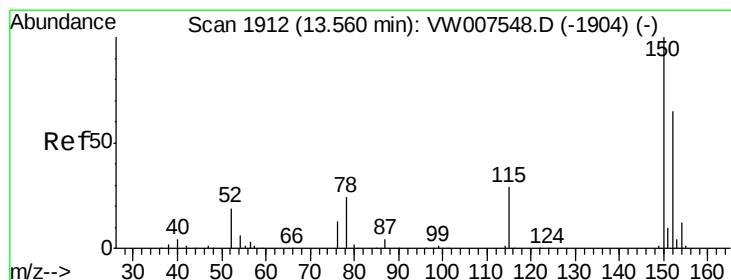
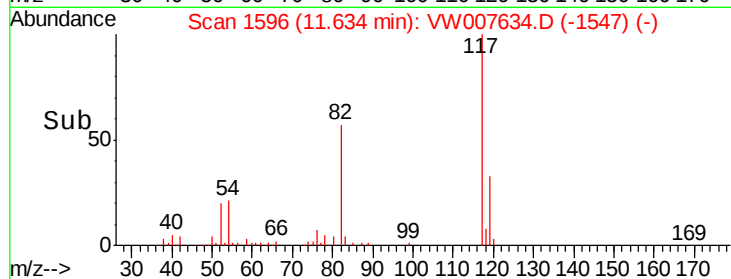
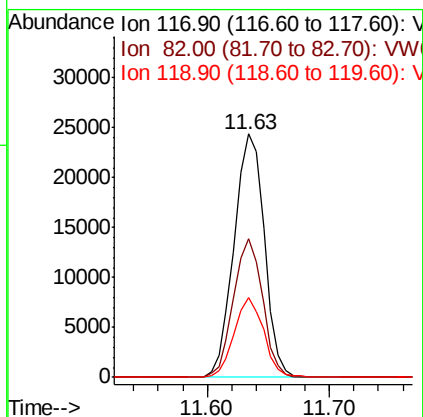
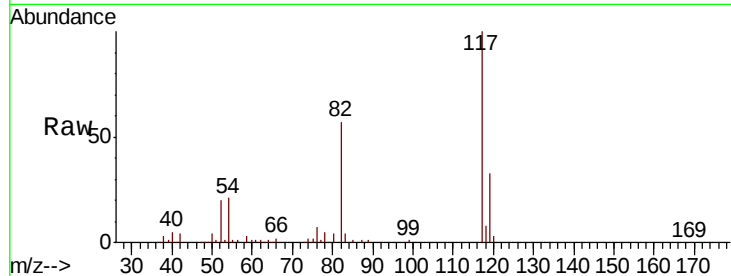




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

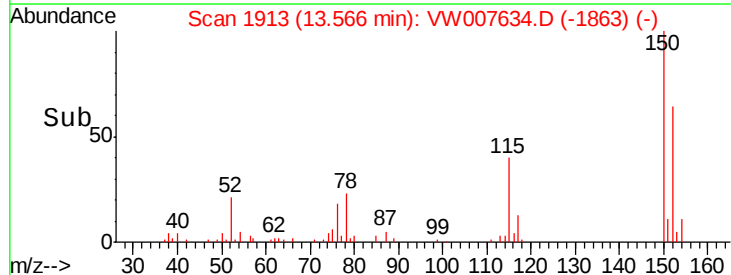
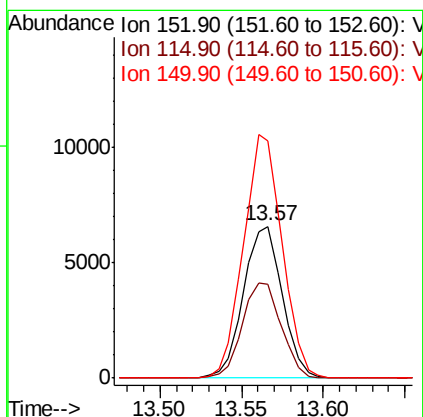
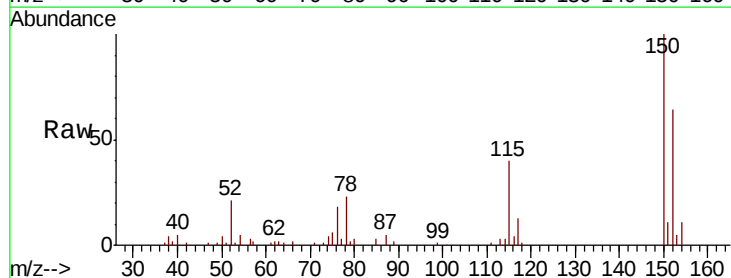
Instrument :
MSVOA_W
ClientSampleId :

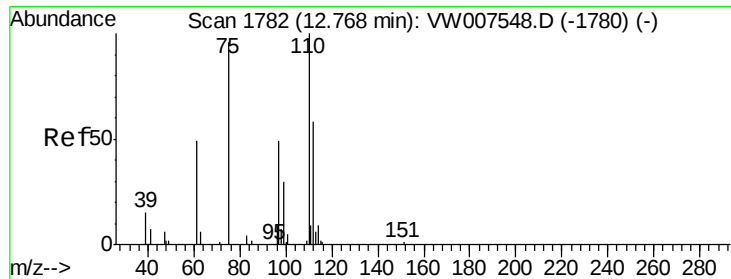
Tot Ion:117 Resp: 41801
Ion Ratio Lower Upper
117 100
82 57.2 42.3 63.5
119 32.8 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007634.D
Acq: 17 Dec 2018 16:24

Tgt Ion:152 Resp: 10871
Ion Ratio Lower Upper
152 100
115 62.7 31.4 94.2
150 159.9 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 87.154 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Instrument :

MSVOA_W

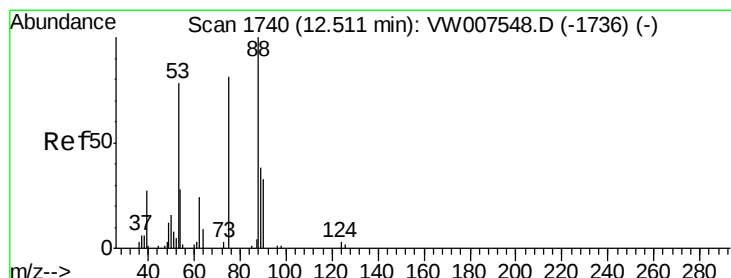
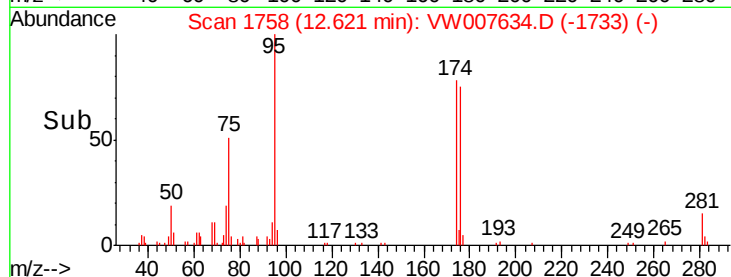
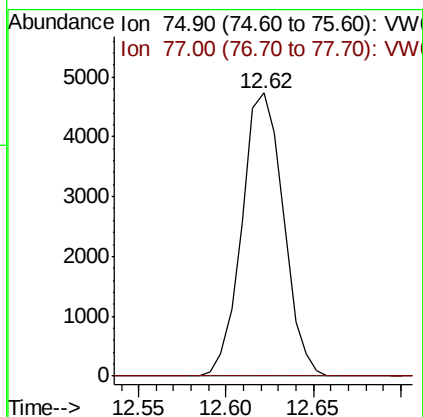
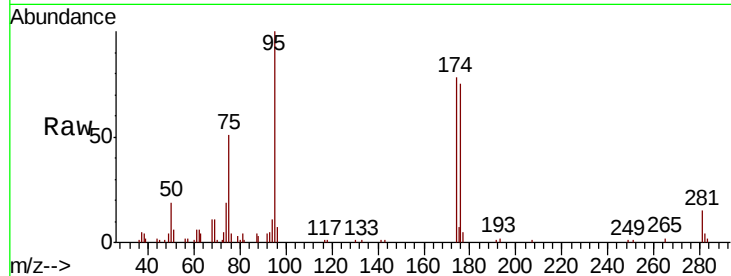
ClientSampled :

Tot Ion: 75 Resp: 7812

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 192.524 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007634.D

Acq: 17 Dec 2018 16:24

Tgt Ion: 75 Resp: 7812

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

