

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007644.D
 Acq On : 17 Dec 2018 20:42
 Operator : SY/AP
 Sample : J6379-03RE
 Misc : 5.25G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:07:18 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	54096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	89029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	61953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16989	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33325	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
35) Dibromofluoromethane	7.88	113	29090	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.32	98	88136	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
62) 4-Bromofluorobenzene	12.62	95	22145	29.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.62%	

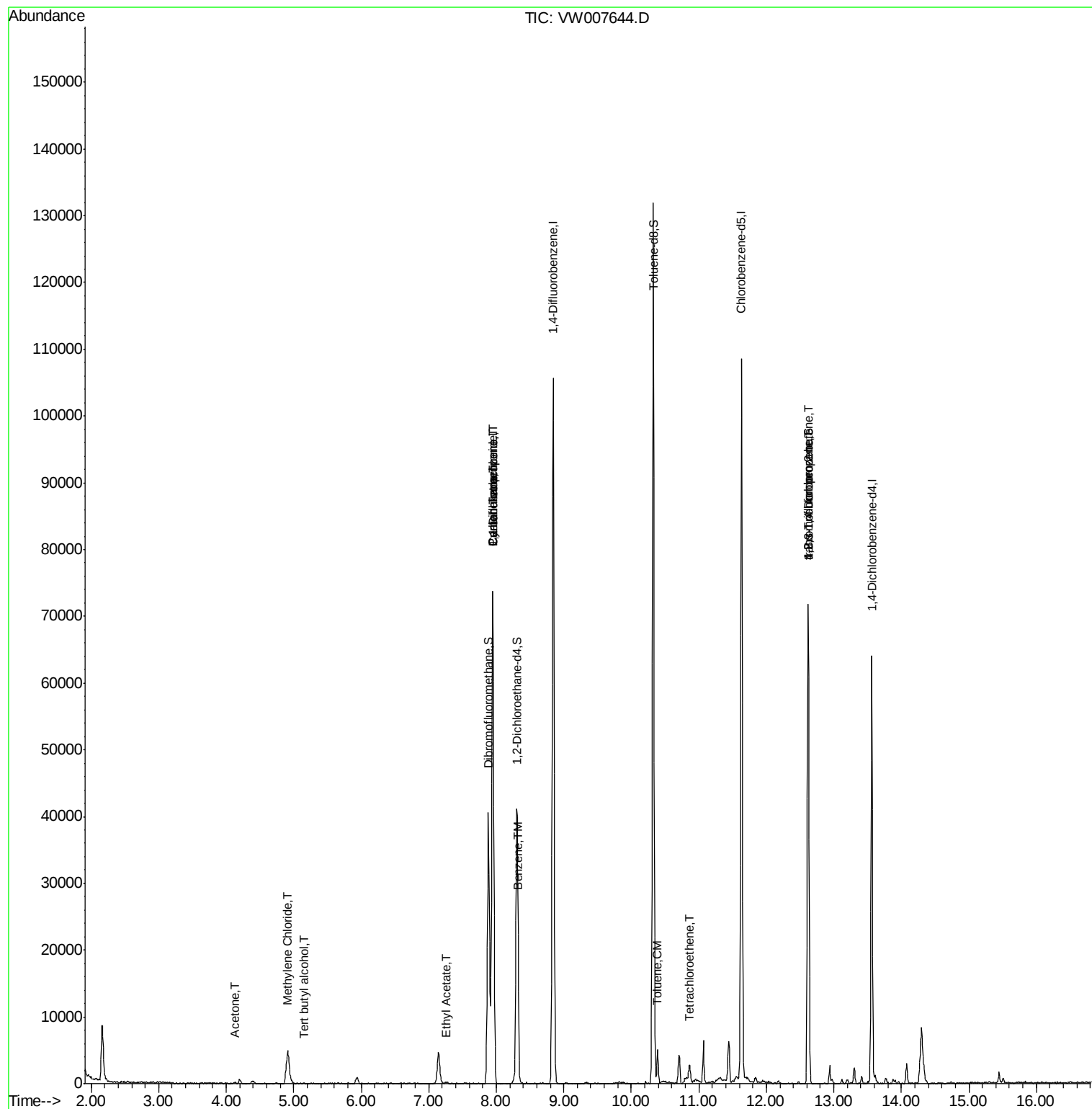
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	77	1.868	ug/l #	74
16) Acetone	4.14	43	392	3.739	ug/l	98
20) Methylene Chloride	4.91	84	4032	3.381	ug/l	97
31) Cyclohexane	7.95	56	1210	1.298	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	4357	5.365	ug/l #	49
37) Ethyl Acetate	7.26	43	343	1.136	ug/l #	66
38) Carbon Tetrachloride	7.95	117	5871	6.644	ug/l #	16
40) Benzene	8.33	78	2982	1.323	ug/l	92
52) Toluene	10.38	92	2232	1.530	ug/l	96
64) Tetrachloroethene	10.87	164	478	1.073	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	11399	81.375	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	11399	179.759	ug/l #	7

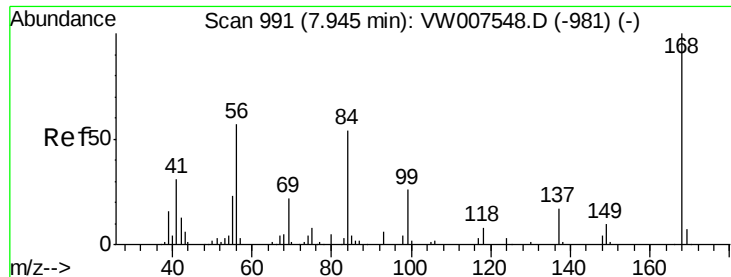
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007644.D

Acq: 17 Dec 2018 20:42

Instrument :

MSVOA_W

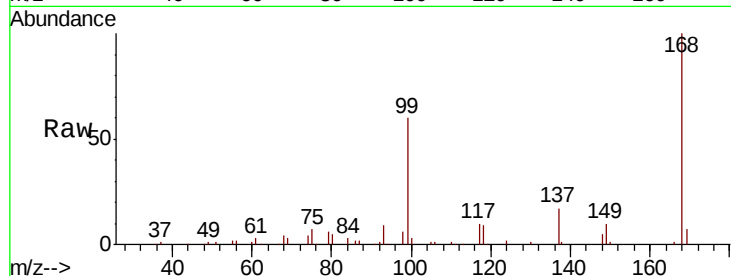
ClientSampled :

Tot Ion:168 Resp: 54096

Ion Ratio Lower Upper

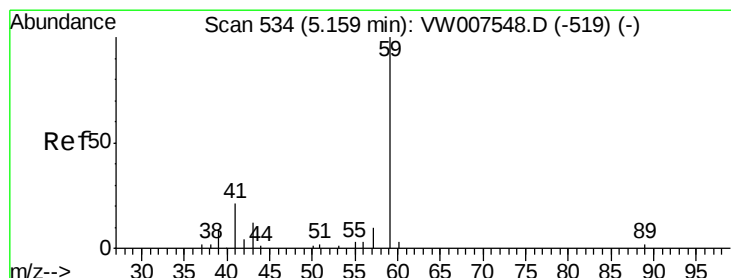
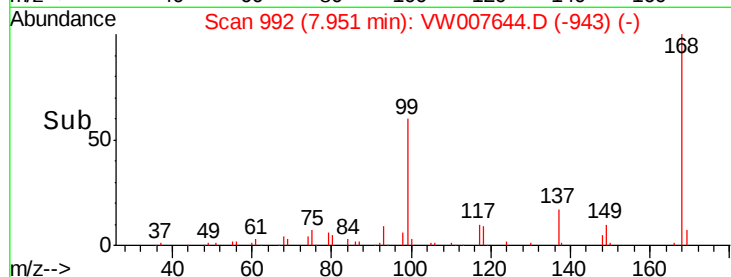
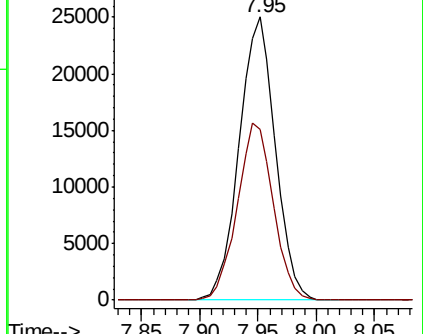
168 100

99 60.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.868 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007644.D

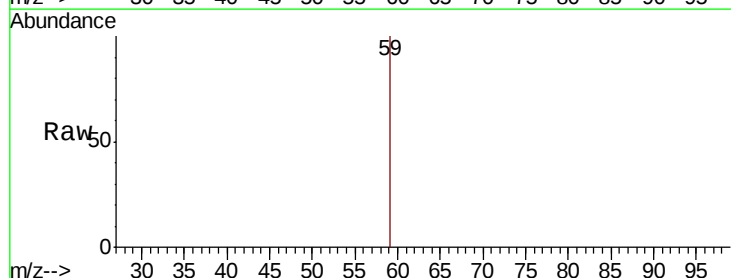
Acq: 17 Dec 2018 20:42

Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

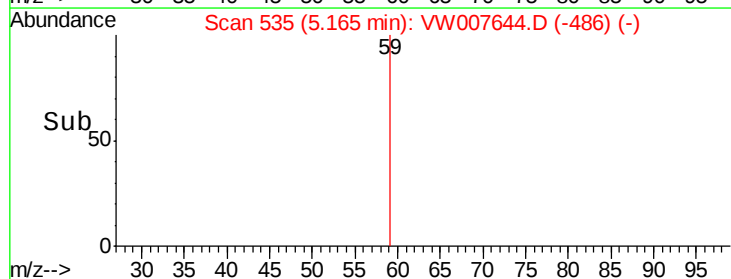
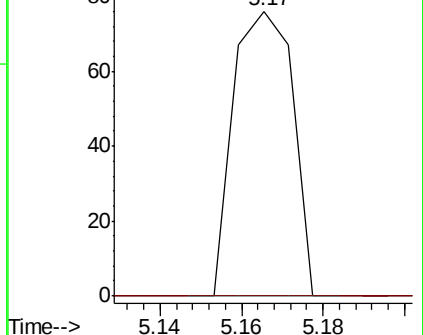
59 100

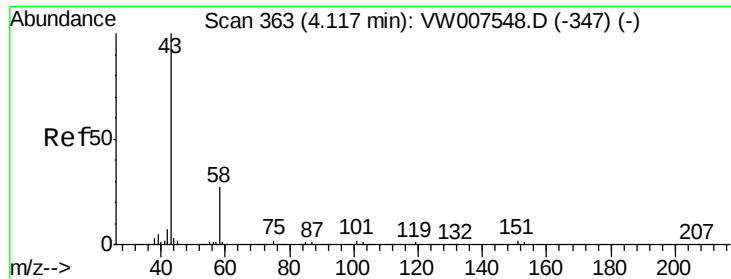
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.739 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Instrument :

MSVOA_W

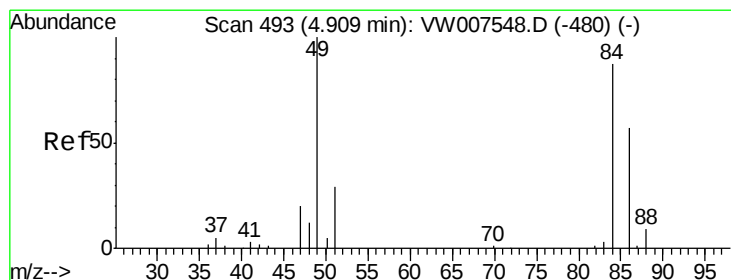
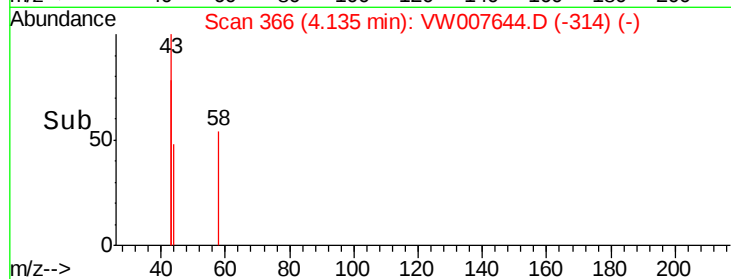
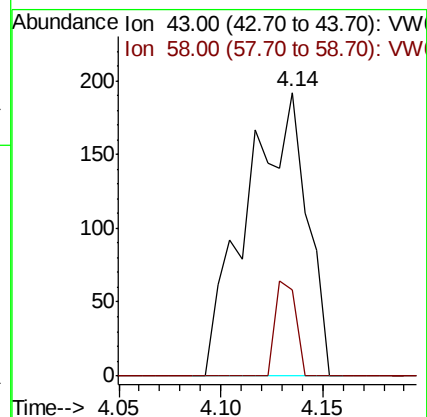
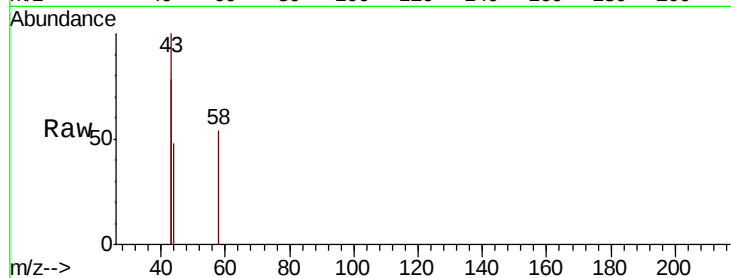
ClientSampled :

Tot Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3



#20

Methylene Chloride

Concen: 3.381 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Tgt Ion: 84 Resp: 4032

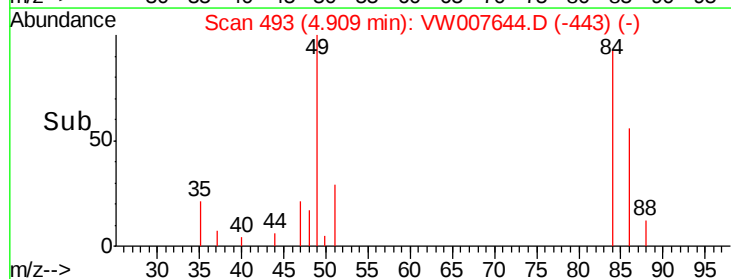
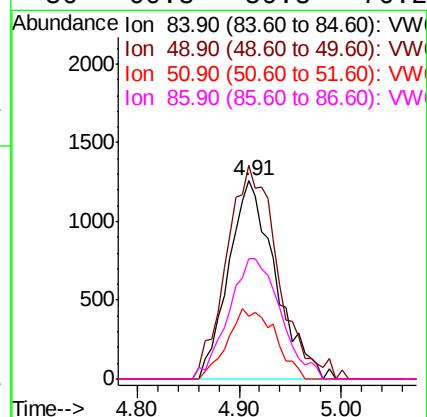
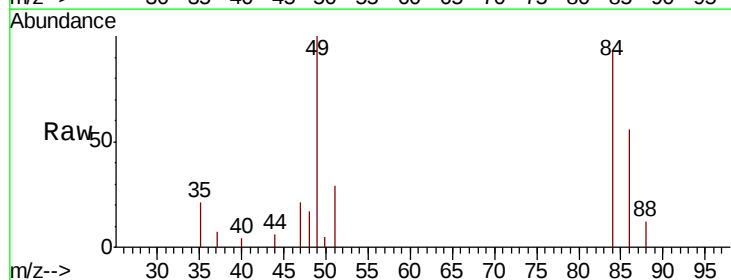
Ion Ratio Lower Upper

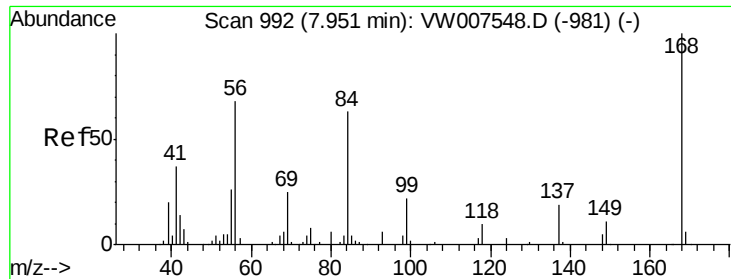
84 100

49 107.8 87.1 130.7

51 31.8 28.2 42.2

86 60.8 50.8 76.2

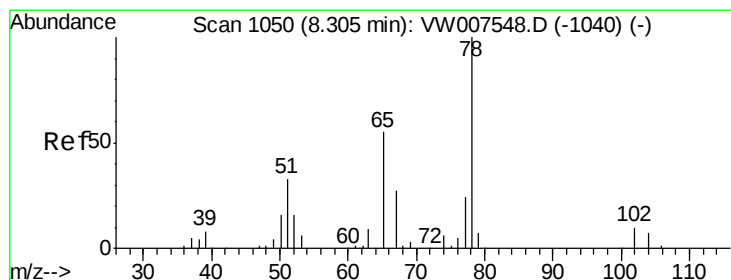
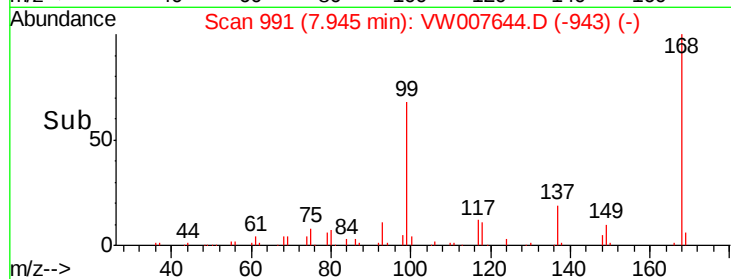
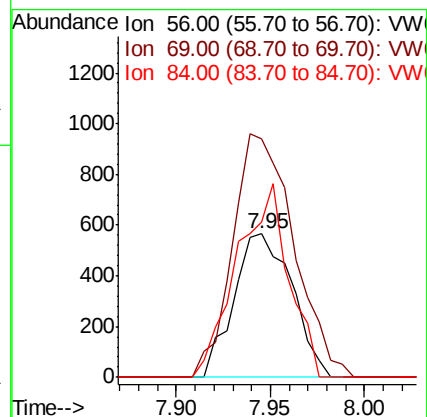
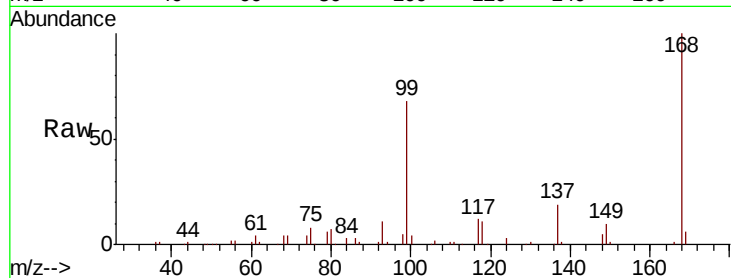




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

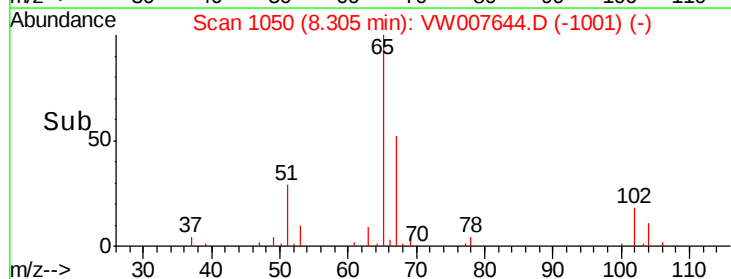
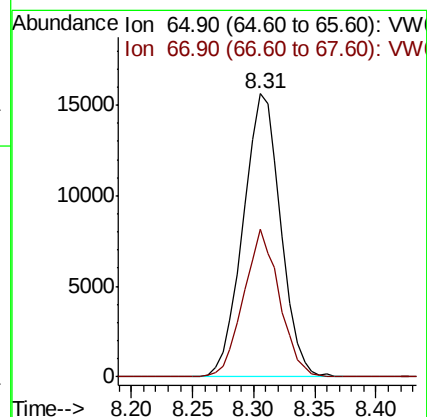
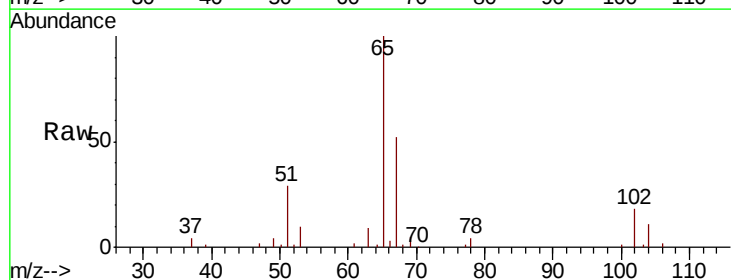
Instrument :
MSVOA_W
ClientSampled :

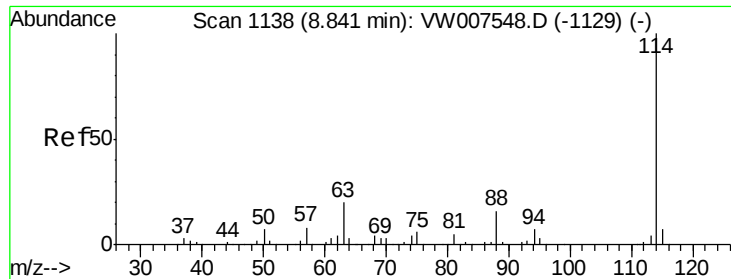
Tot Ion: 56 Resp: 1210
Ion Ratio Lower Upper
56 100
69 166.0 28.9 43.3#
84 108.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.528 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

Tgt Ion: 65 Resp: 33325
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.6

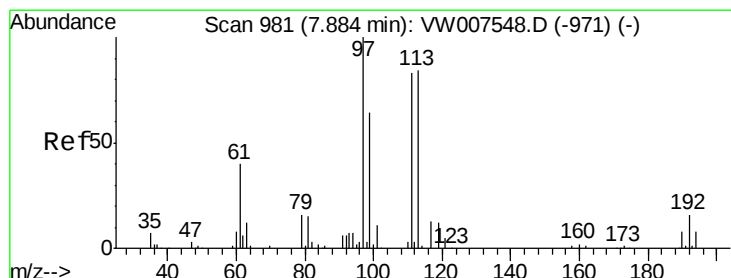
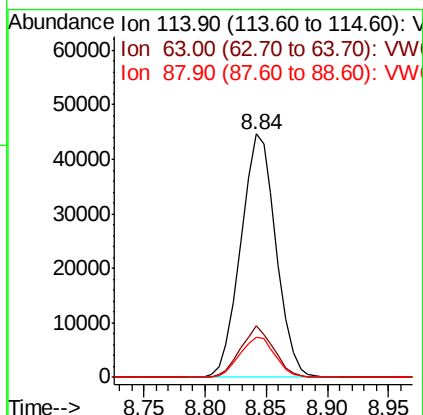
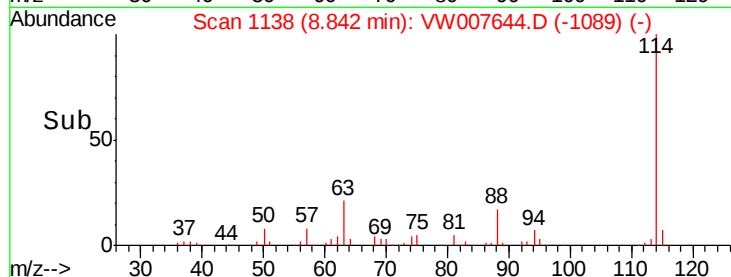
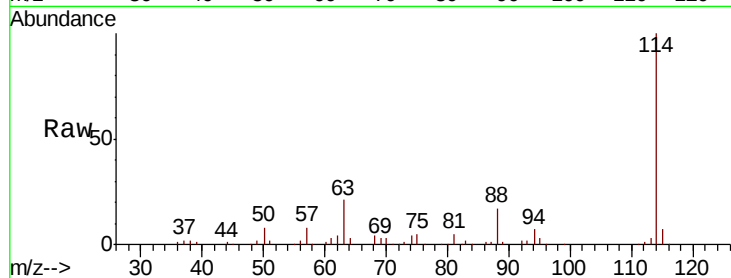




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007644.D
 Acq: 17 Dec 2018 20:42

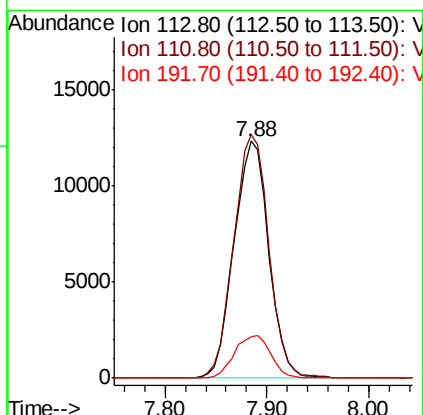
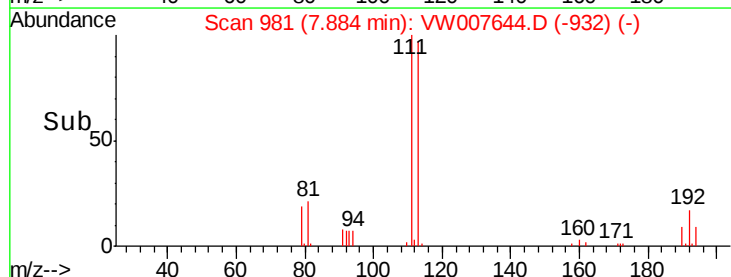
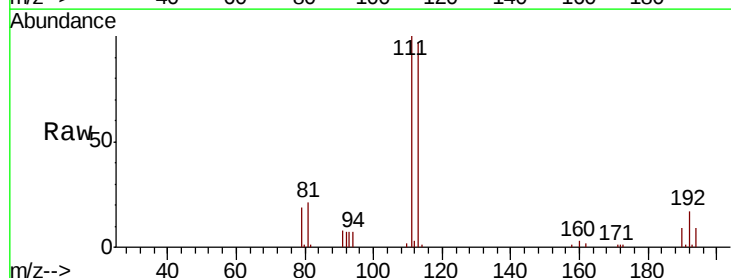
Instrument :
 MSVOA_W
 ClientSampleId :

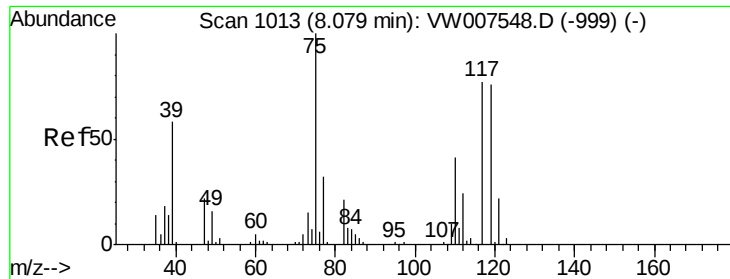
Tot Ion:114 Resp: 89029
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.6
 88 16.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 53.977 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007644.D
 Acq: 17 Dec 2018 20:42

Tgt Ion:113 Resp: 29090
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.1 121.7
 192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.365 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

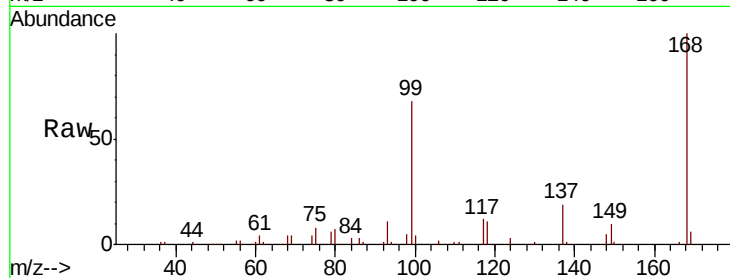
Tot Ion: 75 Resp: 4357

Ion Ratio Lower Upper

75 100

110 10.0 18.5 55.5#

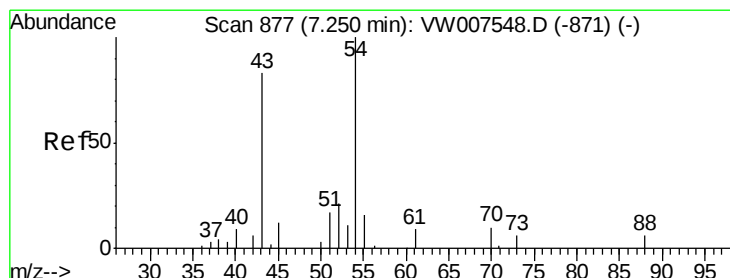
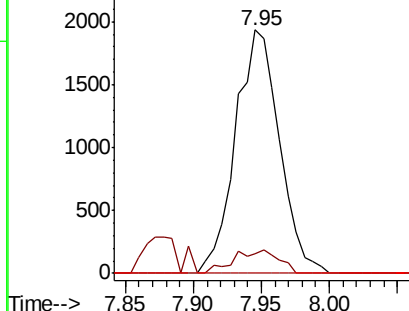
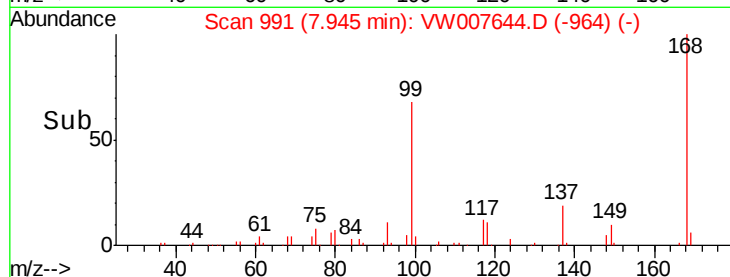
77 0.0 25.6 38.4#



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: 1.136 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

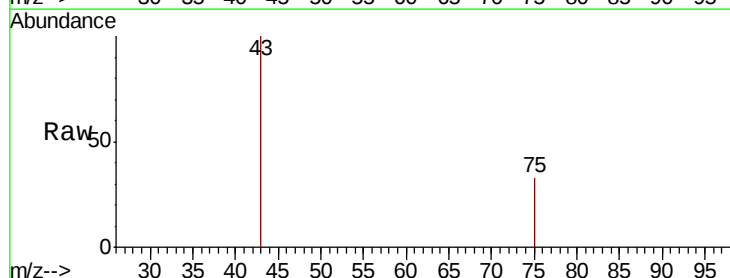
Tgt Ion: 43 Resp: 343

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

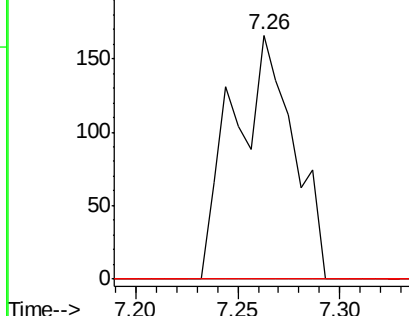
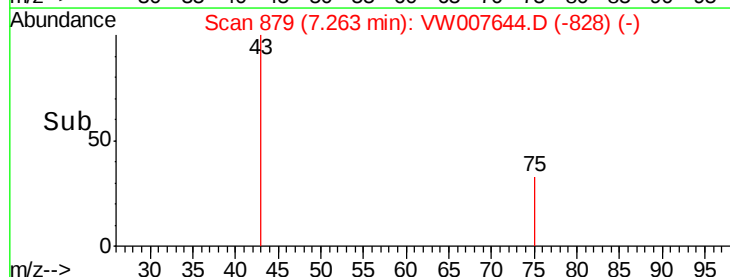
70 0.0 10.0 15.0#

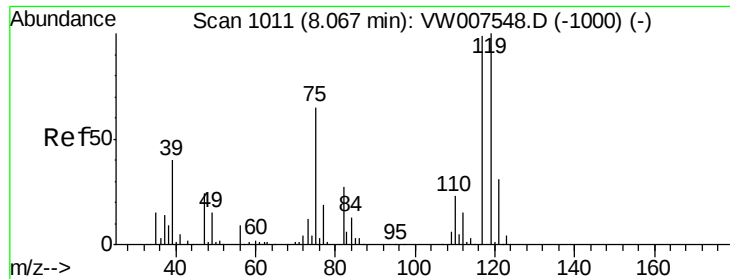


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.644 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

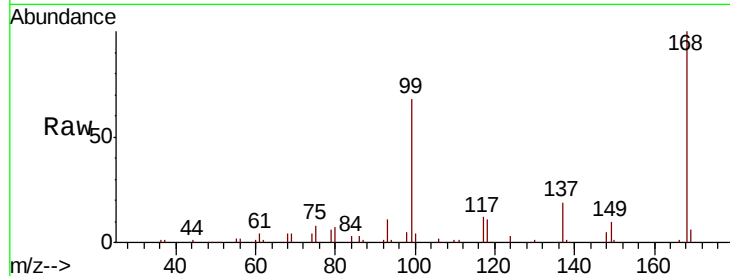
Tot Ion:117 Resp: 5871

Ion Ratio Lower Upper

117 100

119 3.9 74.3 111.5#

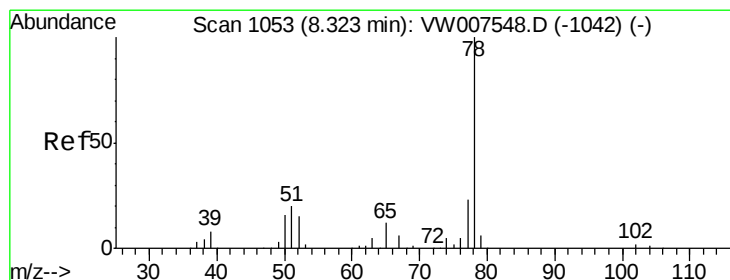
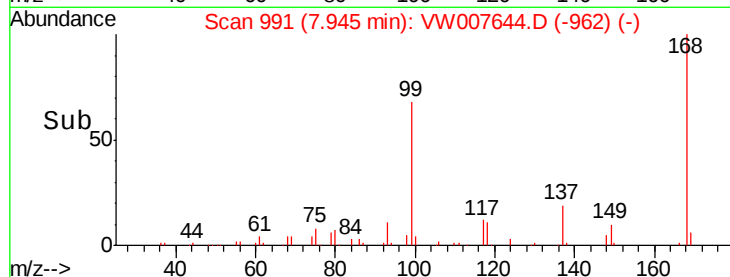
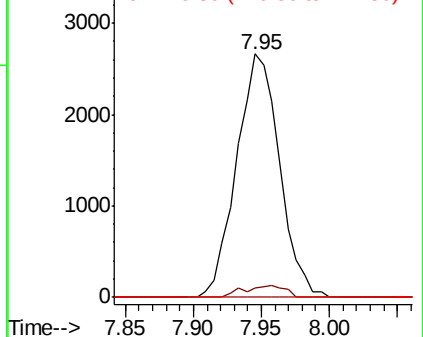
121 0.0 24.3 36.5#



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



#40

Benzene

Concen: 1.323 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW007644.D

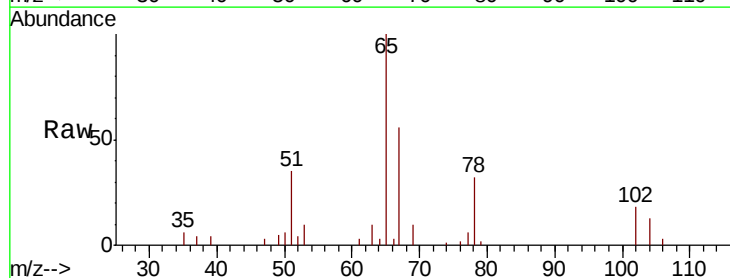
Acq: 17 Dec 2018 20:42

Tgt Ion: 78 Resp: 2982

Ion Ratio Lower Upper

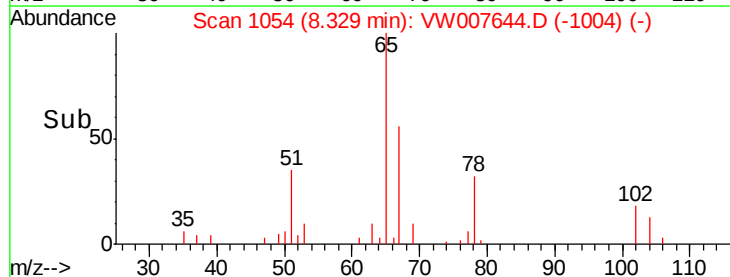
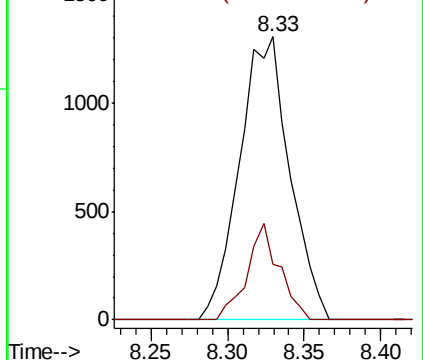
78 100

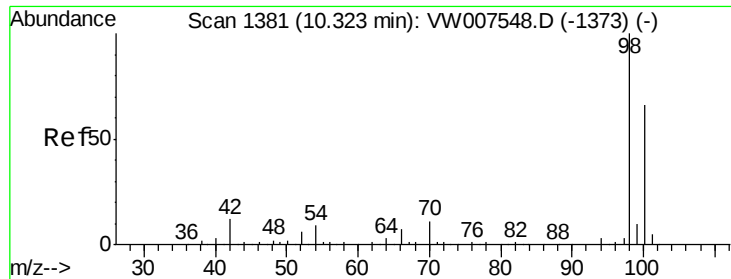
77 19.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

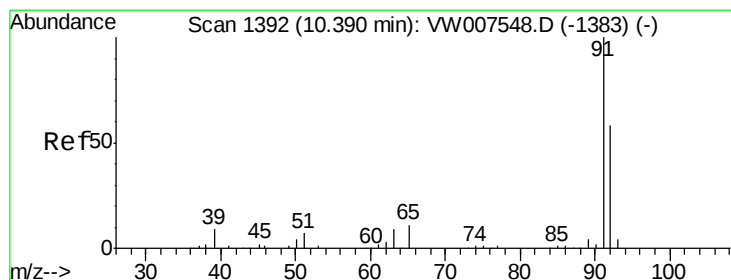
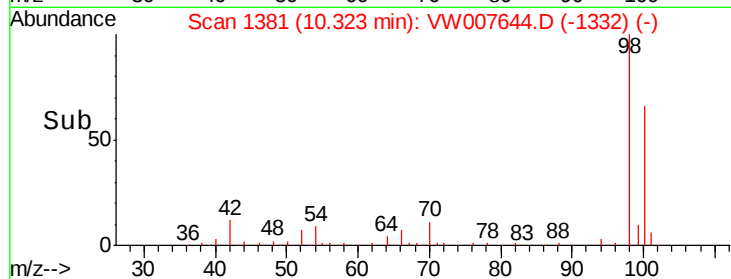
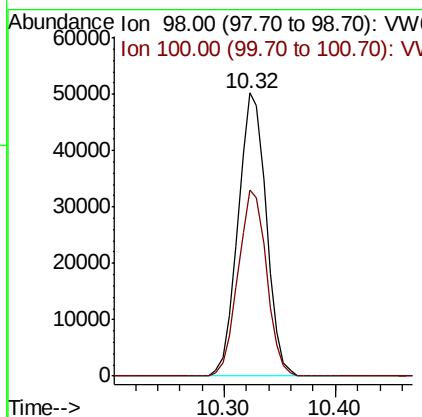
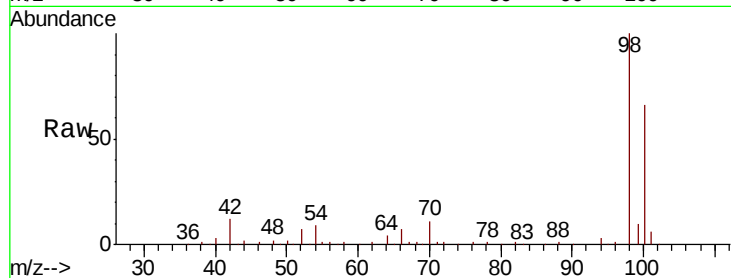




#50
Toluene-d8
Concen: 43.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

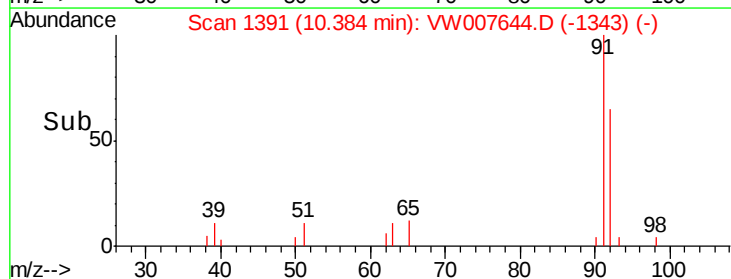
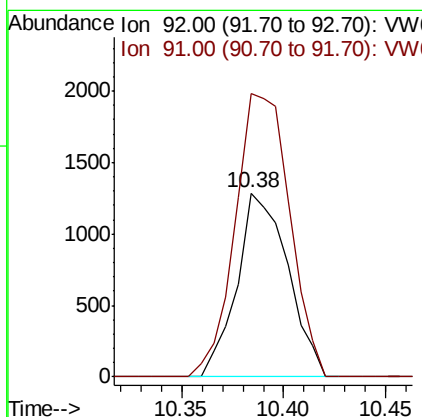
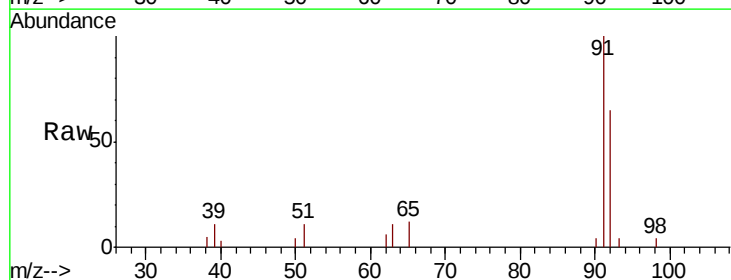
Instrument :
MSVOA_W
ClientSampled :

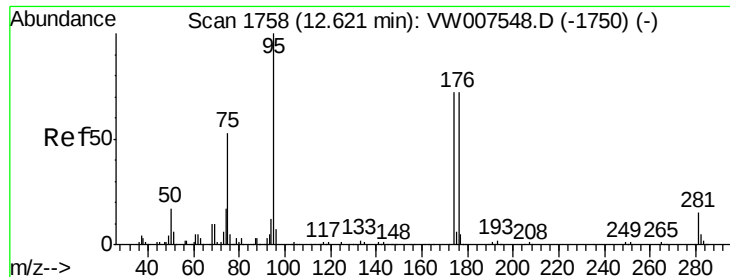
Tot Ion: 98 Resp: 88136
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.8



#52
Toluene
Concen: 1.530 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

Tgt Ion: 92 Resp: 2232
Ion Ratio Lower Upper
92 100
91 164.7 136.2 204.2

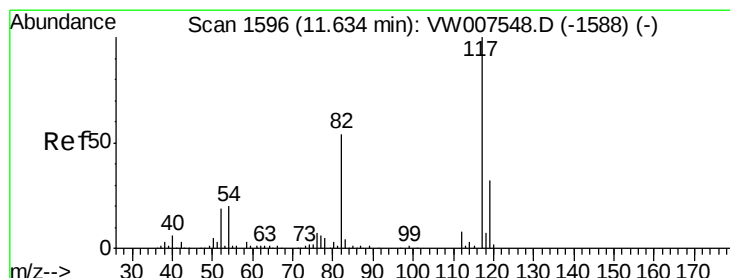
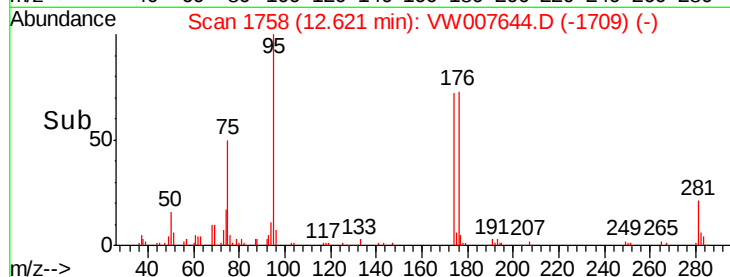
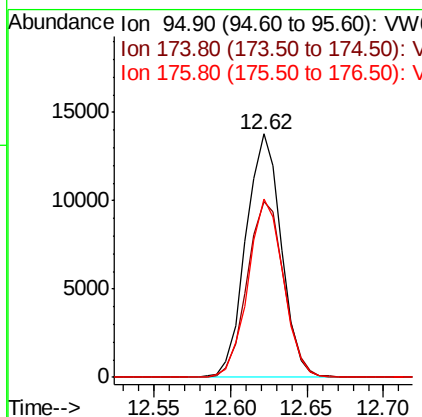
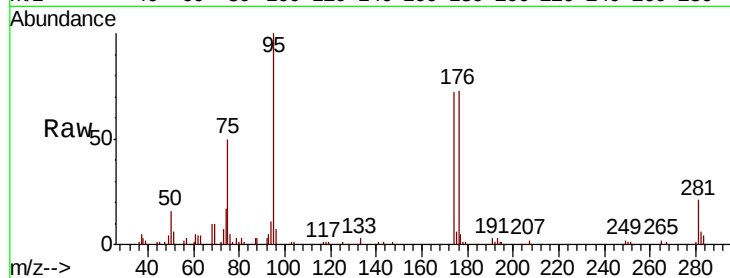




#62
4-Bromofluorobenzene
Concen: 29.807 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

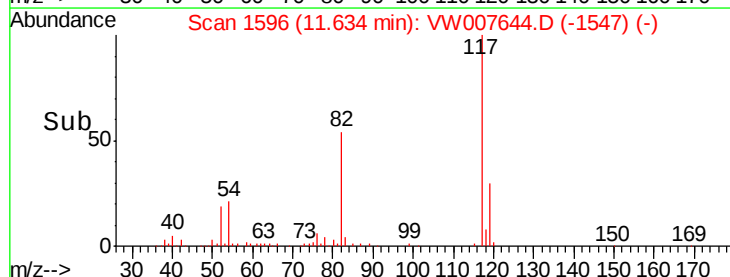
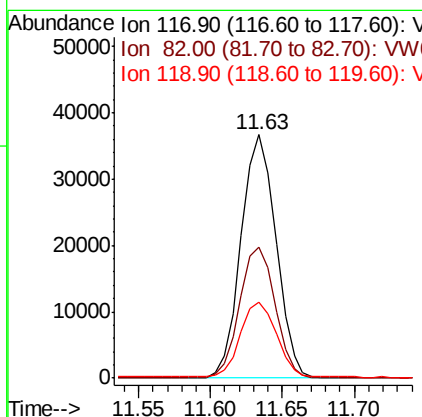
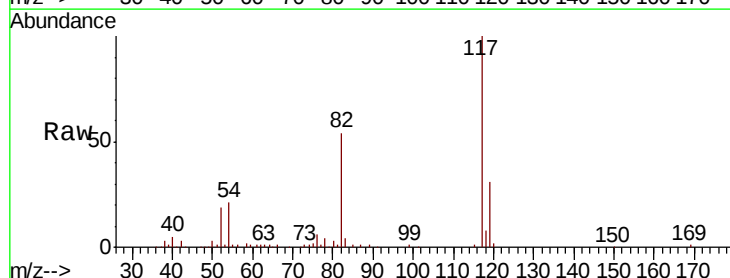
Instrument :
MSVOA_W
ClientSampleId :

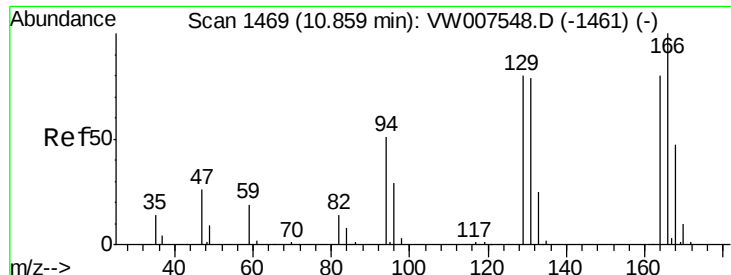
Tot Ion: 95 Resp: 22145
Ion Ratio Lower Upper
95 100
174 75.3 0.0 147.2
176 72.9 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

Tgt Ion: 117 Resp: 61953
Ion Ratio Lower Upper
117 100
82 54.0 42.3 63.5
119 30.3 23.0 34.6

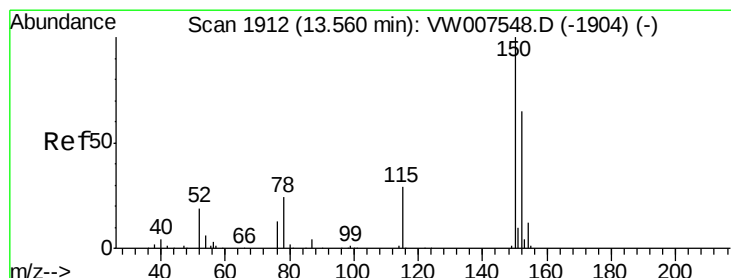
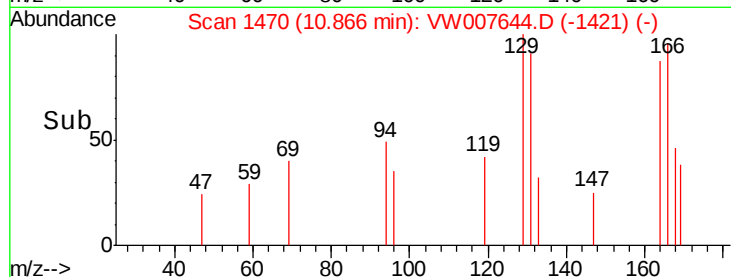
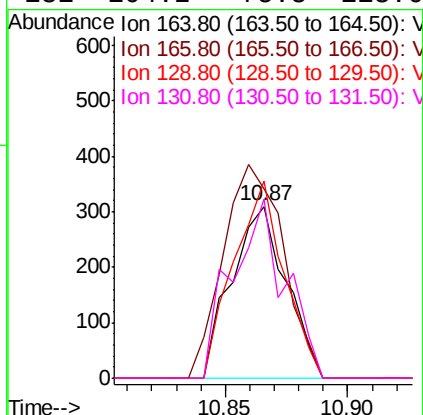
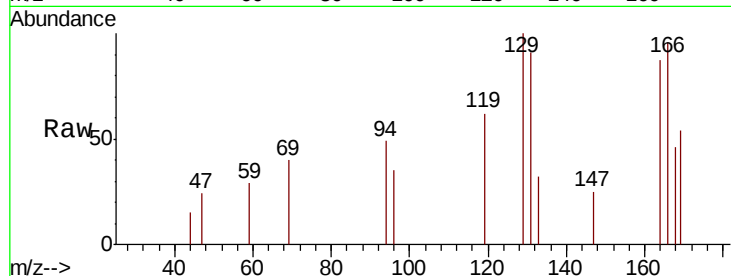




#64
Tetrachloroethene
Concen: 1.073 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

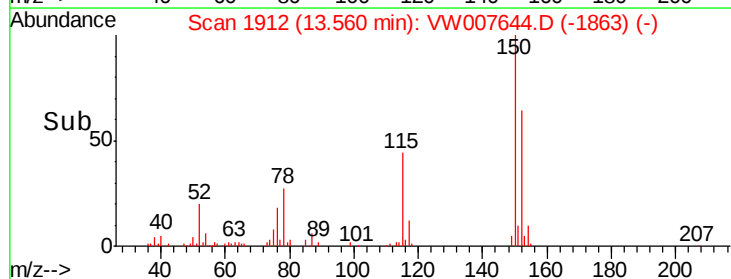
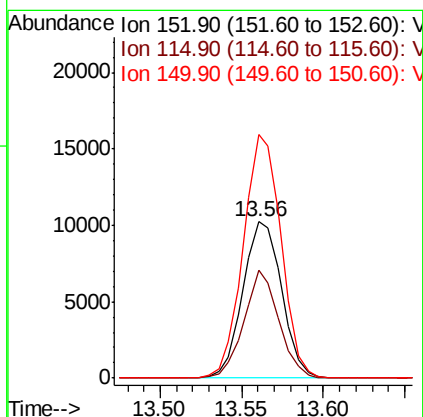
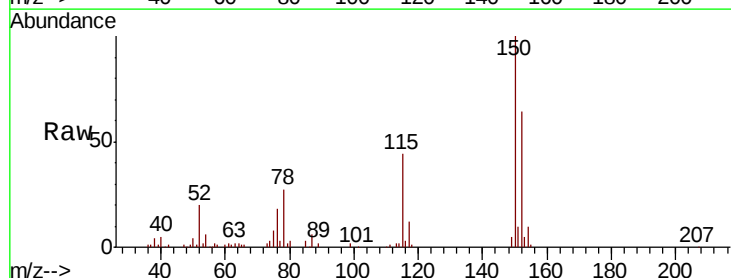
Instrument :
MSVOA_W
ClientSampleId :

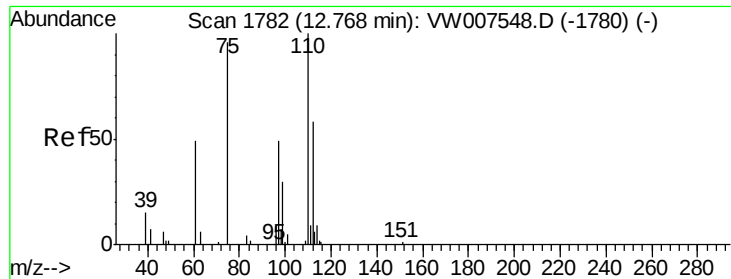
Tot Ion	Ratio	Lower	Upper
164	100		
166	110.3	107.9	161.9
129	114.8	73.4	110.2
131	104.2	75.8	113.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007644.D
Acq: 17 Dec 2018 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.4	94.2
150	151.0	0.0	358.4





#76

1,2,3-Trichloropropane

Concen: 81.375 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Instrument :

MSVOA_W

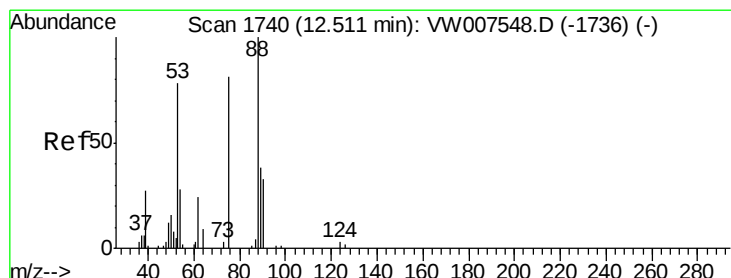
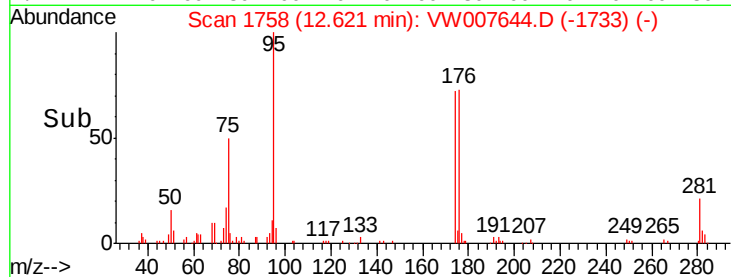
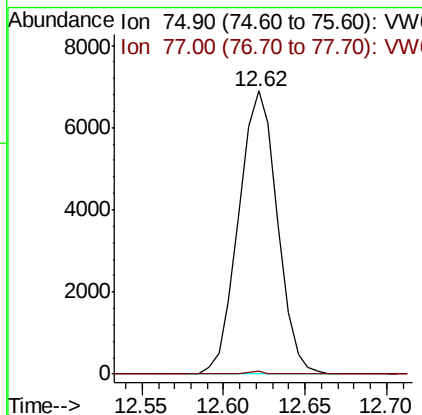
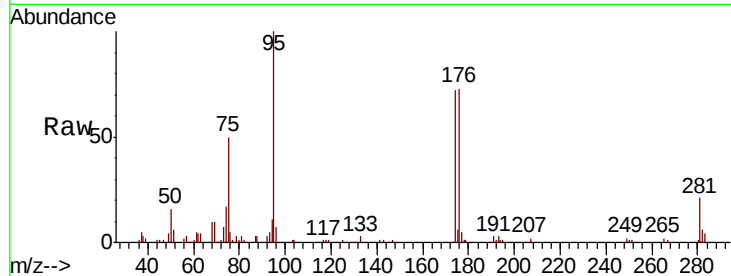
ClientSampleId :

Tot Ion: 75 Resp: 11399

Ion Ratio Lower Upper

75 100

77 0.4 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 179.759 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007644.D

Acq: 17 Dec 2018 20:42

Tgt Ion: 75 Resp: 11399

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

