

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007665.D
 Acq On : 18 Dec 2018 18:11
 Operator : SY/AP
 Sample : J6391-10RE
 Misc : 4.33G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:20:21 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	44686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	71498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	32841	66.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.48%	
35) Dibromofluoromethane	7.88	113	27142	62.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.42%	
50) Toluene-d8	10.32	98	72055	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
62) 4-Bromofluorobenzene	12.62	95	14725	24.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.36%	

Target Compounds

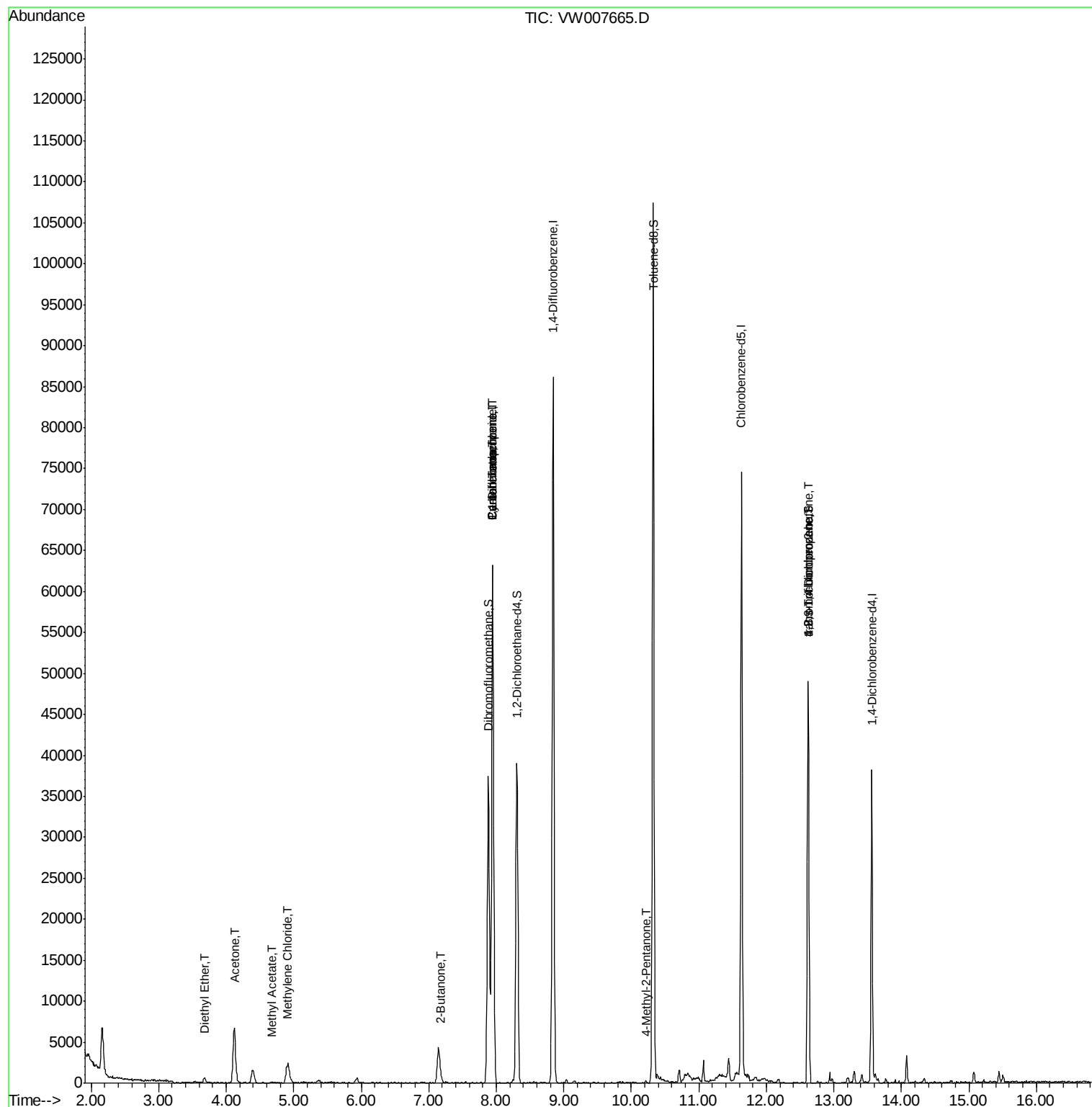
					Qvalue	
8) Diethyl Ether	3.68	74	367	1.699	ug/l	93
16) Acetone	4.12	43	11938	137.862	ug/l	95
18) Methyl Acetate	4.68	43	259	1.102	ug/l #	49
20) Methylene Chloride	4.90	84	2423	1.301	ug/l #	83
25) 2-Butanone	7.18	43	1179	10.429	ug/l #	80
31) Cyclohexane	7.95	56	947	1.230	ug/l #	37
36) 1,1-Dichloropropene	7.94	75	3715	5.696	ug/l #	49
38) Carbon Tetrachloride	7.95	117	4721	6.652	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	234	1.034	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	7821	91.620	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7821	202.389	ug/l #	7

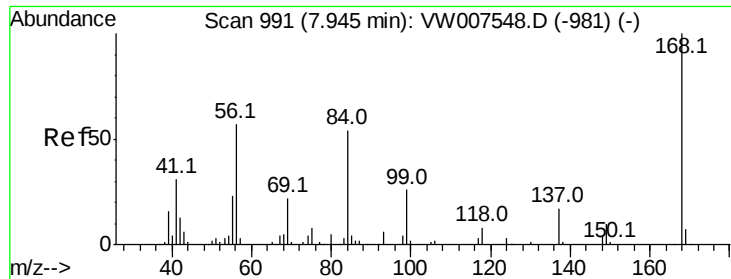
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 19 03:20:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
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# 991

Delta R.T. -0.01 min

Lab File: VW007665.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_W

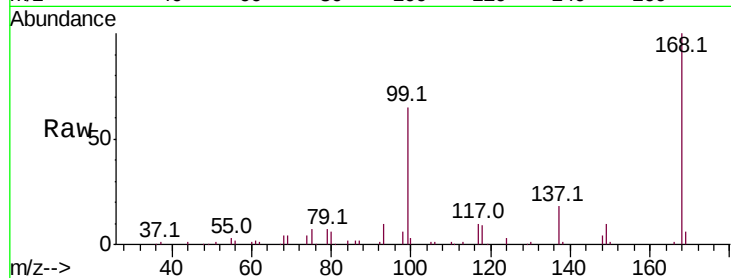
ClientSampled :

Tot Ion:168 Resp: 44686

Ion Ratio Lower Upper

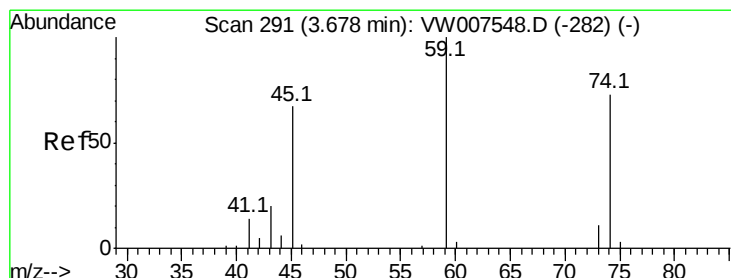
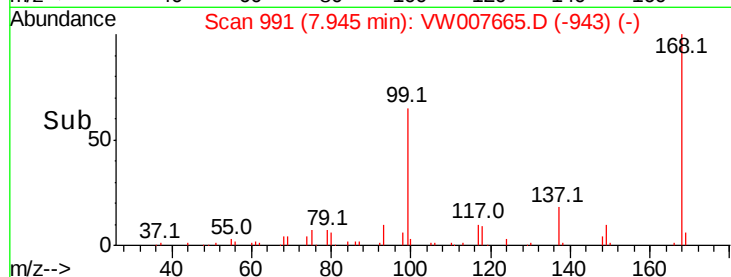
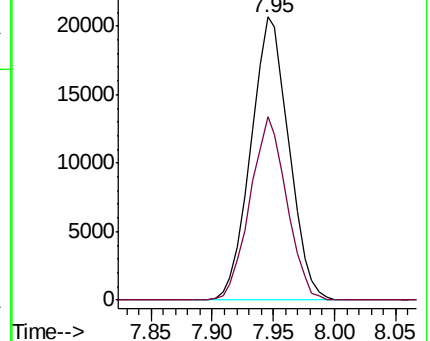
168 100

99 64.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.699 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007665.D

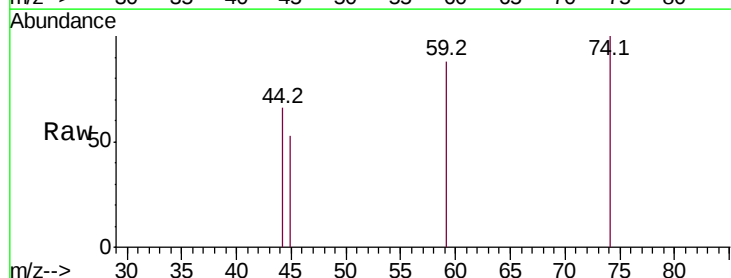
Acq: 18 Dec 2018 18:11

Tgt Ion: 74 Resp: 367

Ion Ratio Lower Upper

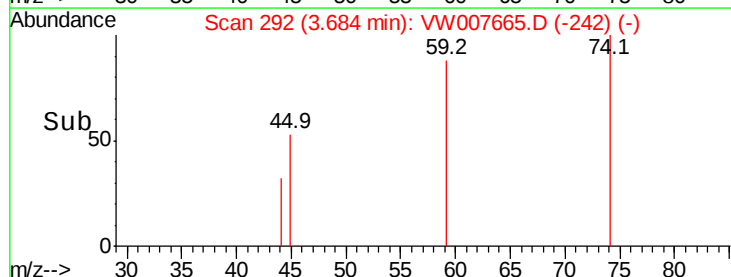
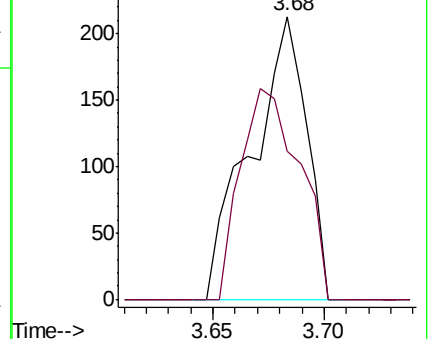
74 100

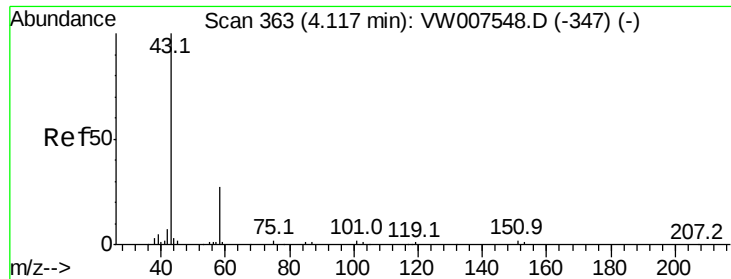
45 79.8 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

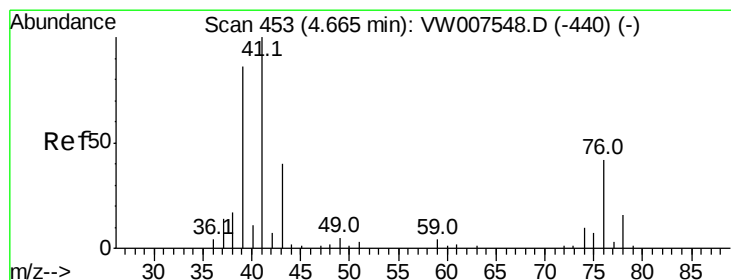
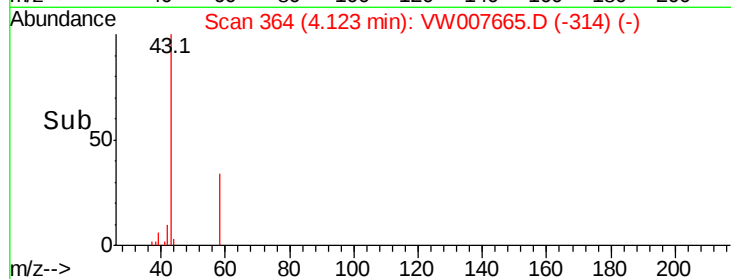
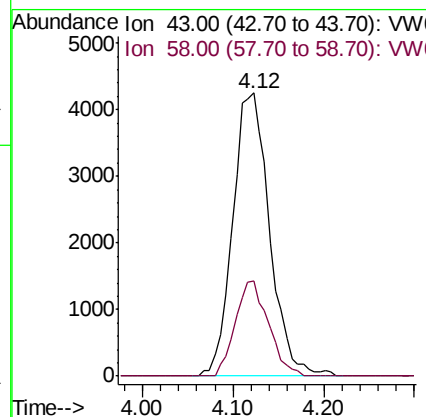
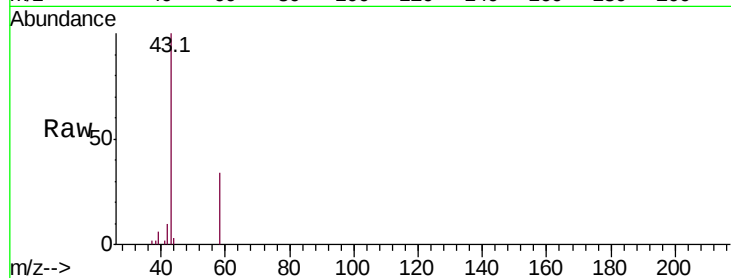




#16
Acetone
Concen: 137.862 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

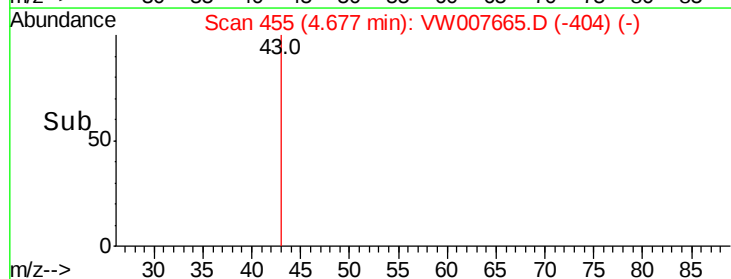
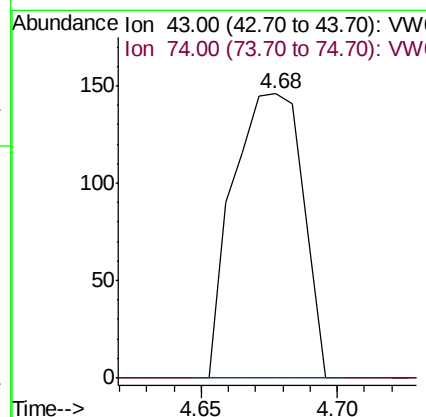
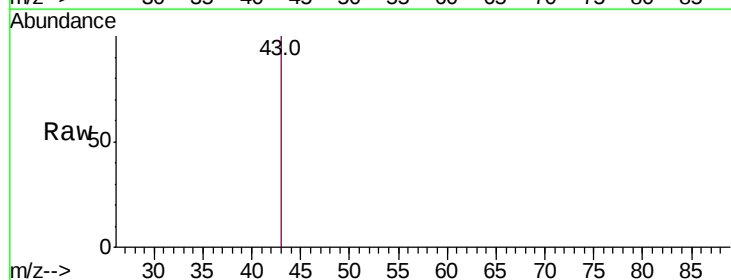
Instrument :
MSVOA_W
ClientSampleId :

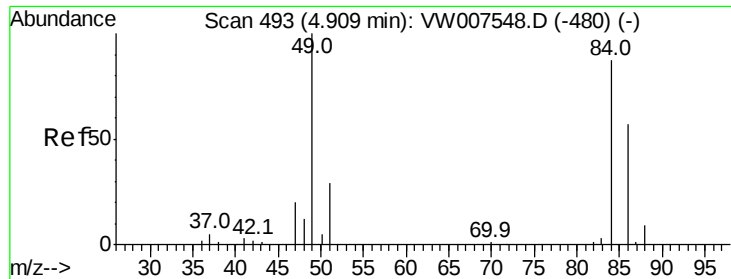
Tot Ion: 43 Resp: 11938
Ion Ratio Lower Upper
43 100
58 33.8 24.9 37.3



#18
Methyl Acetate
Concen: 1.102 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#

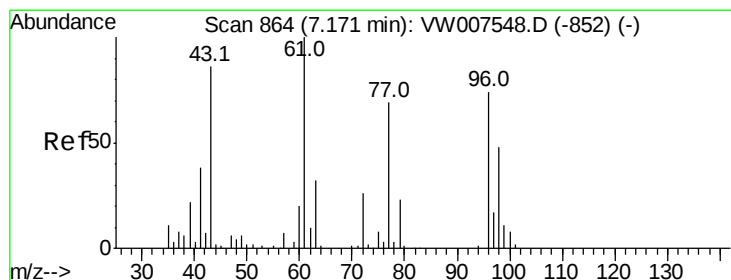
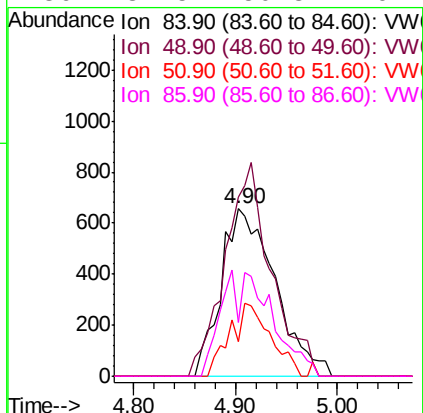
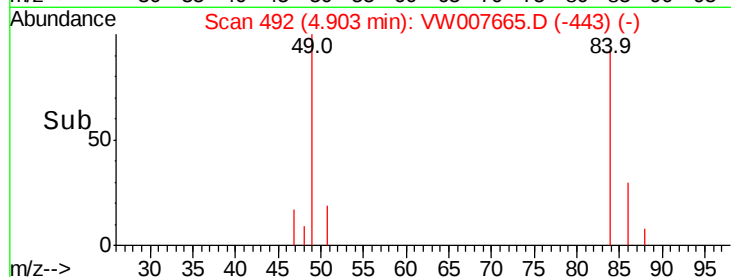
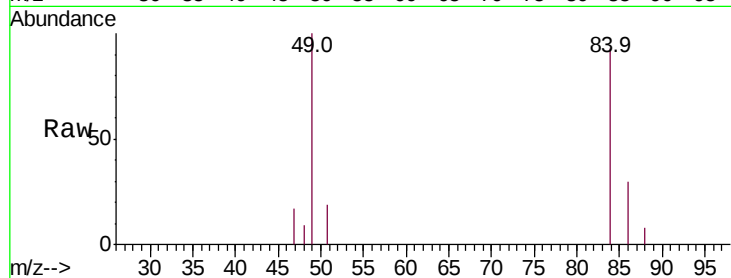




#20
Methvlene Chloride
Concen: 1.301 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

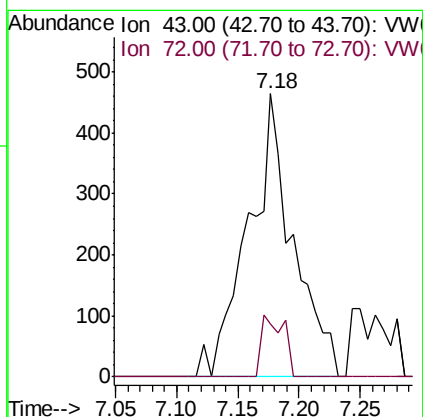
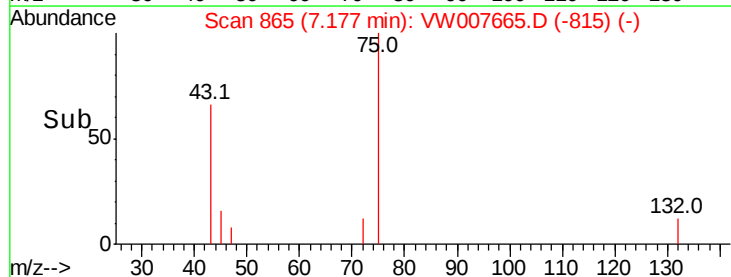
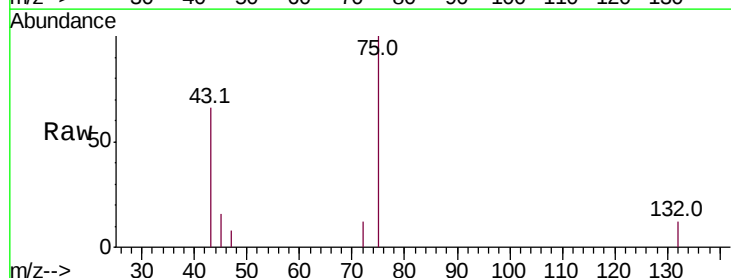
Instrument :
MSVOA_W
ClientSampleId :

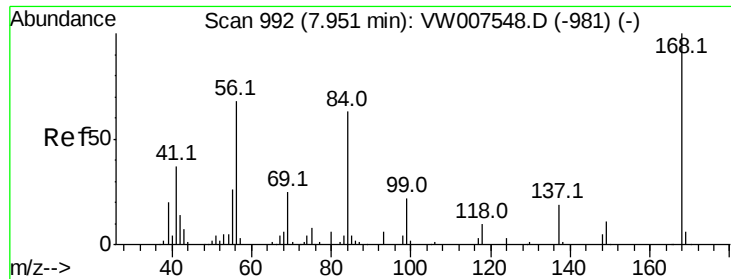
Tot Ion: 84 Resp: 2423
Ion Ratio Lower Upper
84 100
49 107.3 87.1 130.7
51 20.9 28.2 42.2#
86 32.5 50.8 76.2#



#25
2-Butanone
Concen: 10.429 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
72 18.8 23.4 35.2#

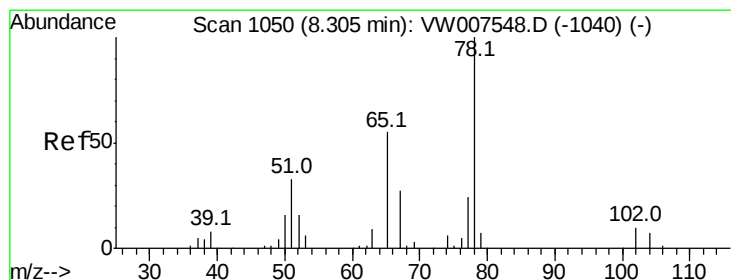
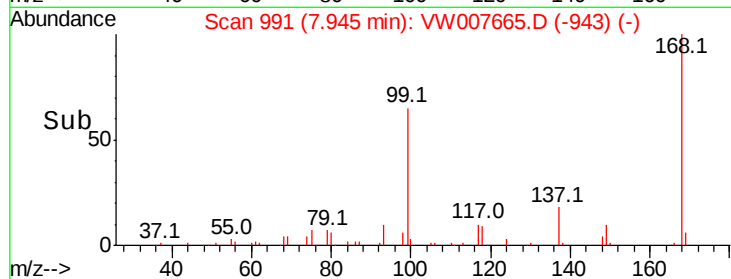
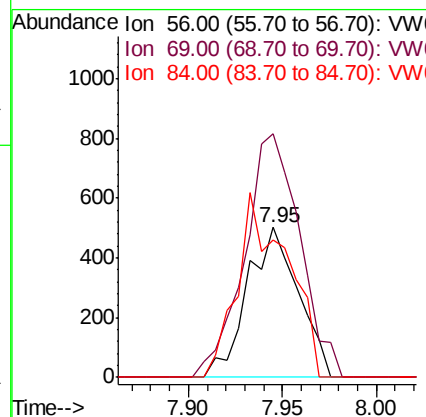
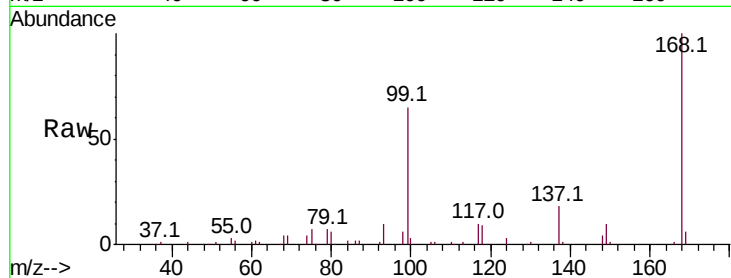




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

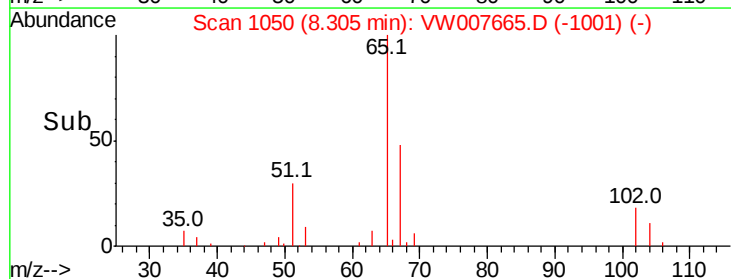
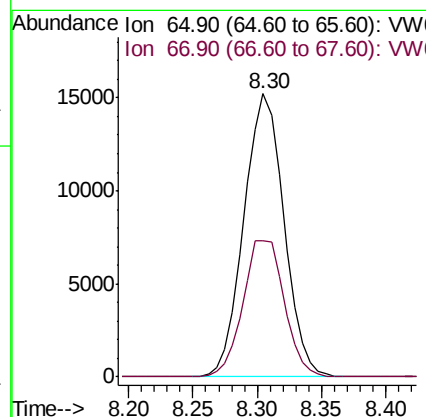
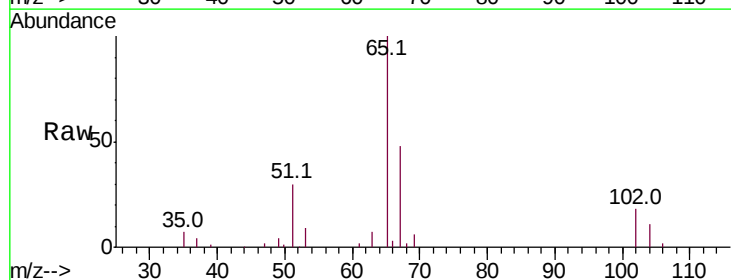
Instrument :
MSVOA_W
ClientSampleId :

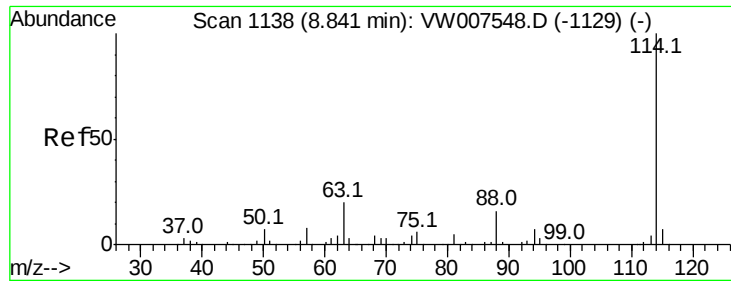
Tot Ion: 56 Resp: 947
Ion Ratio Lower Upper
56 100
69 162.4 28.9 43.3#
84 91.2 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 66.244 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

Tgt Ion: 65 Resp: 32841
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6

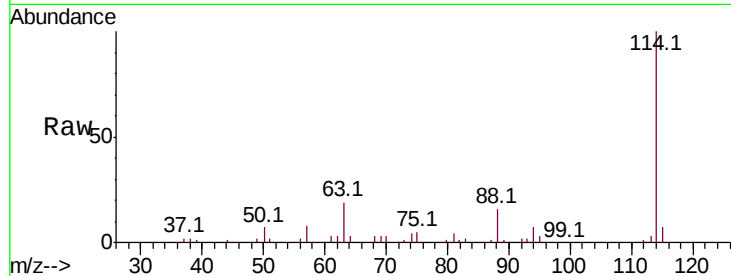




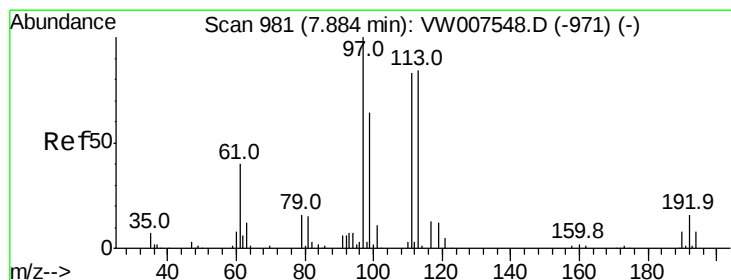
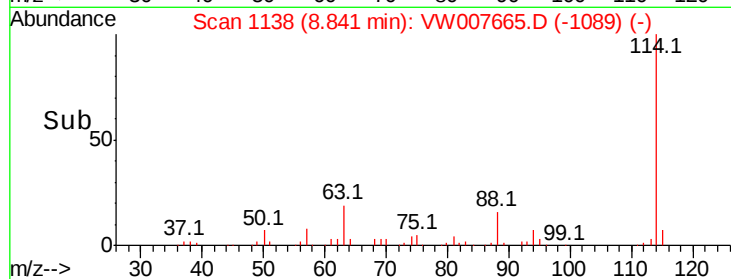
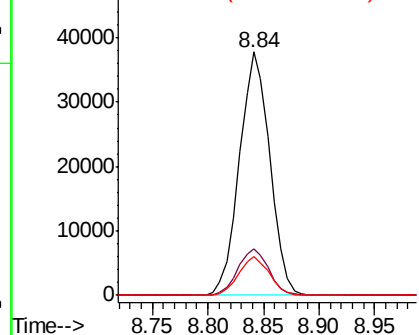
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007665.D
 Acq: 18 Dec 2018 18:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 71498
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 16.1 0.0 31.4

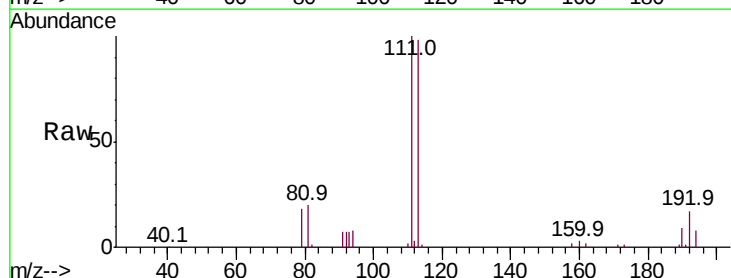


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

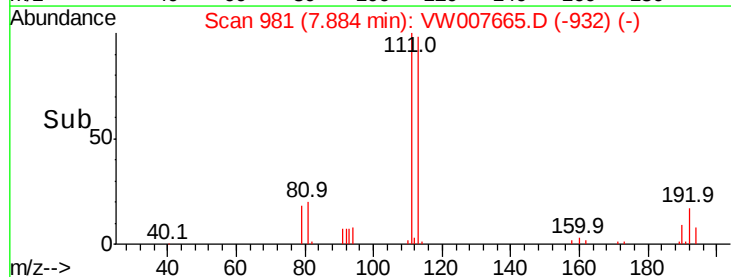
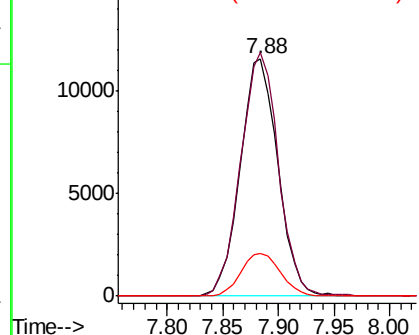


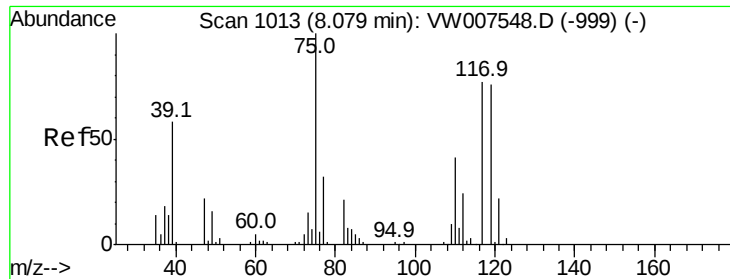
#35
 Dibromofluoromethane
 Concen: 62.712 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007665.D
 Acq: 18 Dec 2018 18:11

Tgt Ion:113 Resp: 27142
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 18.7 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

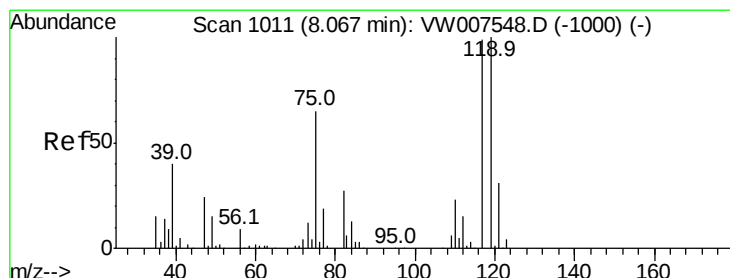
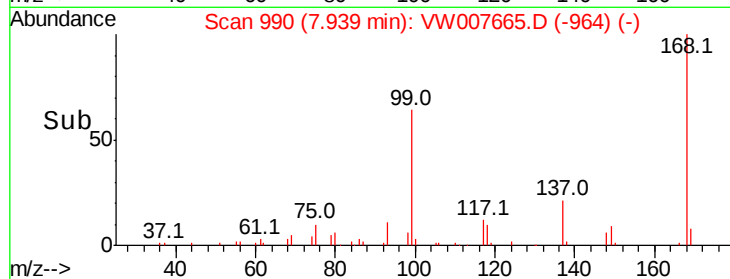
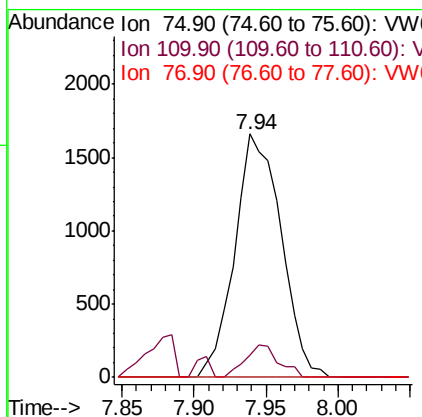
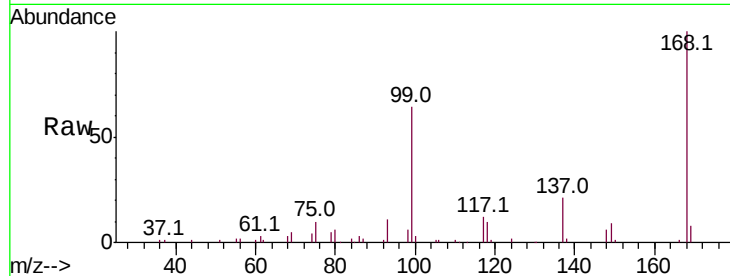




#36
 1,1-Dichloropropene
 Concen: 5.696 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007665.D
 Acq: 18 Dec 2018 18:11

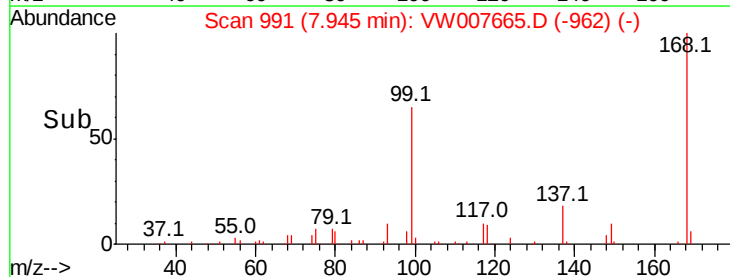
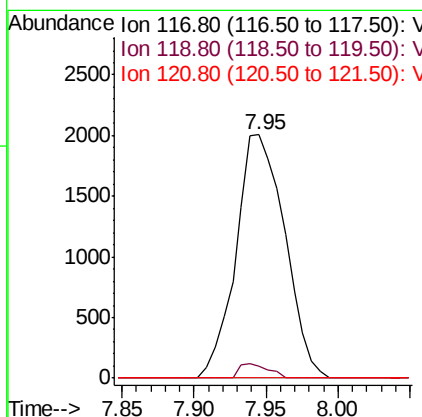
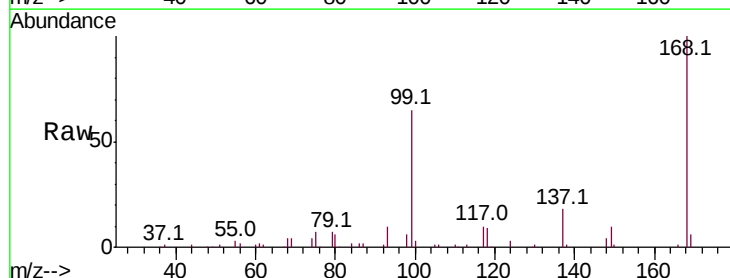
Instrument :
 MSVOA_W
 ClientSampleId :

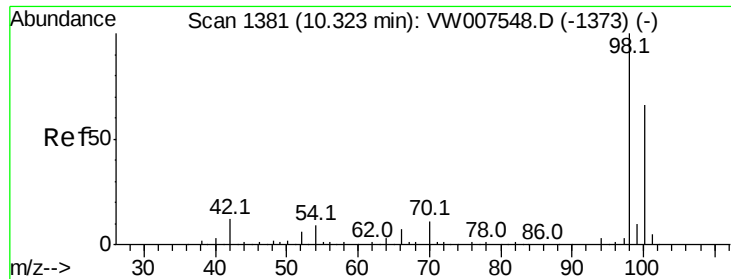
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.652 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007665.D
 Acq: 18 Dec 2018 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	74.3	111.5#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 44.402 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007665.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_W

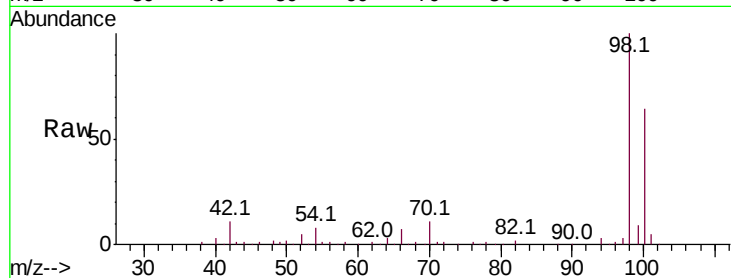
ClientSampleId :

Tot Ion: 98 Resp: 72055

Ion Ratio Lower Upper

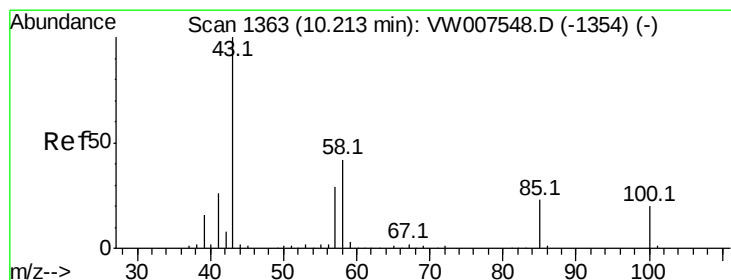
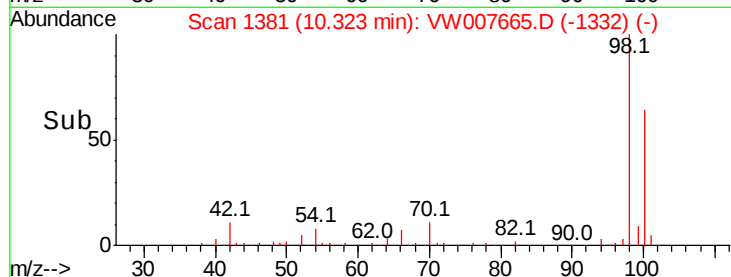
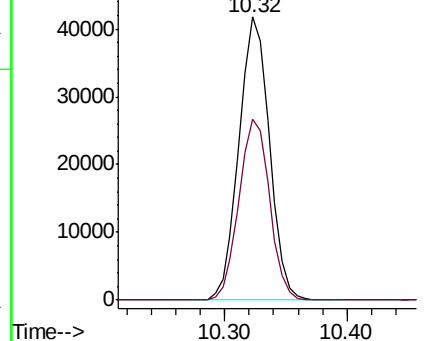
98 100

100 64.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007665.D

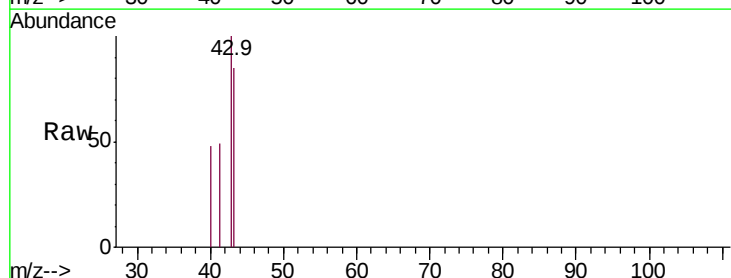
Acq: 18 Dec 2018 18:11

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

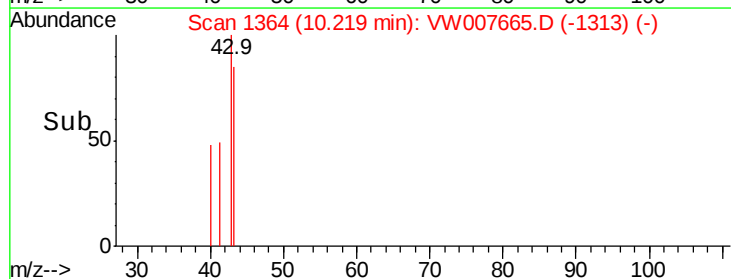
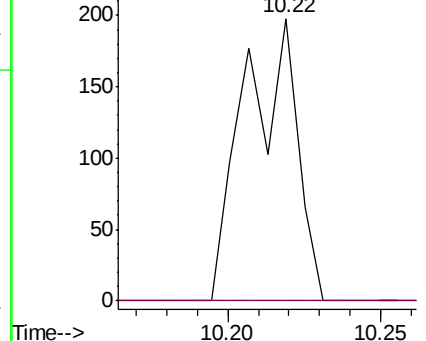
43 100

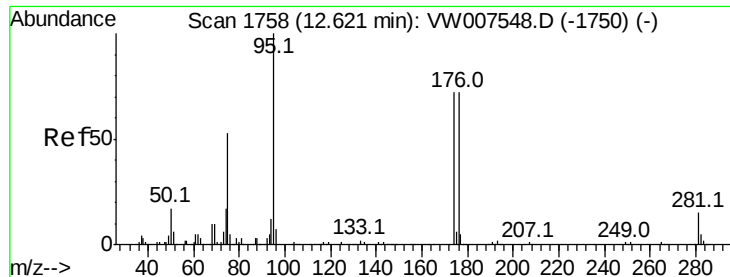
58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

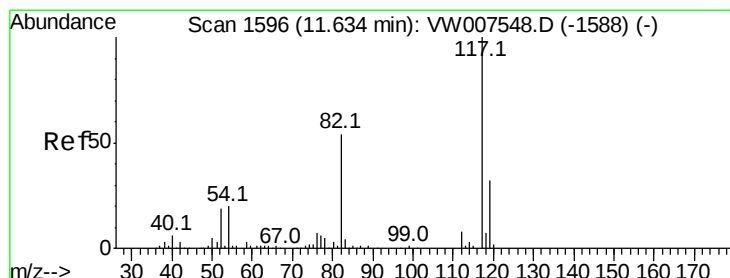
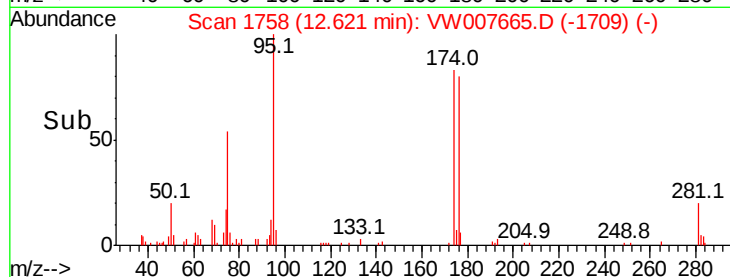
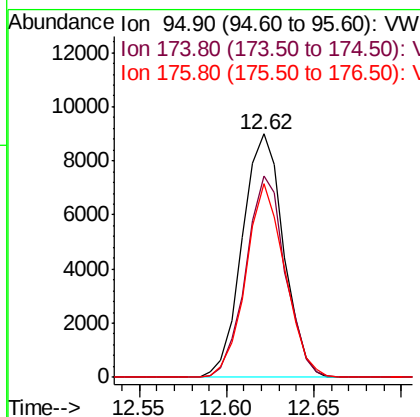
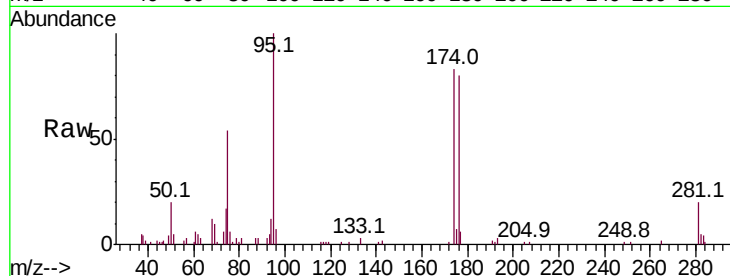




#62
4-Bromofluorobenzene
Concen: 24.679 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

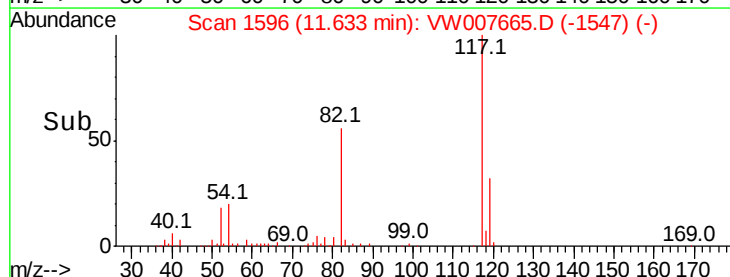
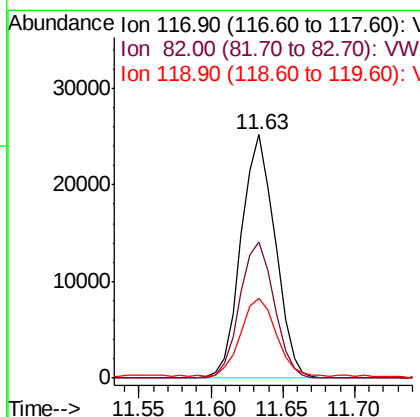
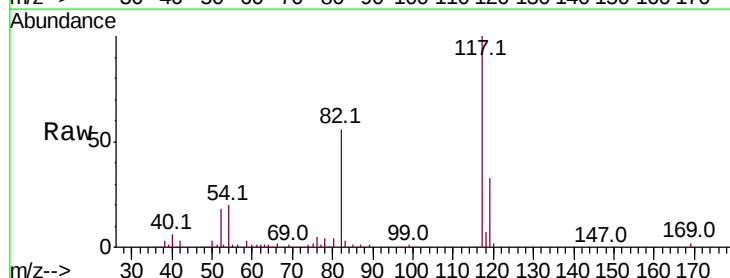
Instrument :
MSVOA_W
ClientSampleId :

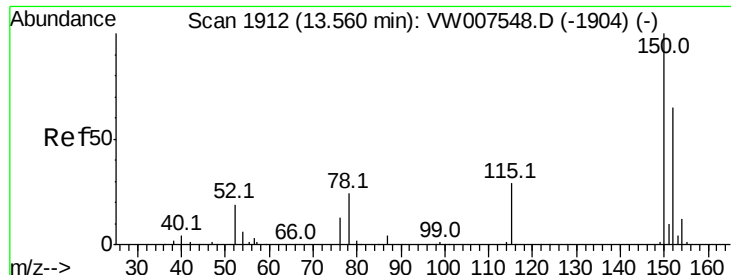
Tot Ion: 95 Resp: 14725
Ion Ratio Lower Upper
95 100
174 79.2 0.0 147.2
176 75.5 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007665.D
Acq: 18 Dec 2018 18:11

Tgt Ion: 117 Resp: 41447
Ion Ratio Lower Upper
117 100
82 55.8 42.3 63.5
119 31.9 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: VW007665.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

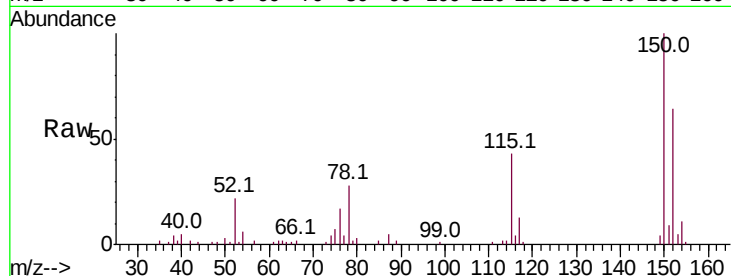
Tot Ion:152 Resp: 10353

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.2

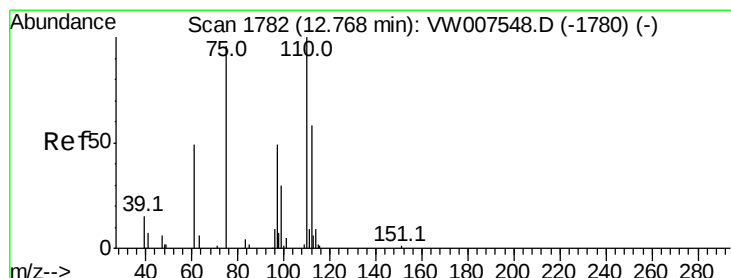
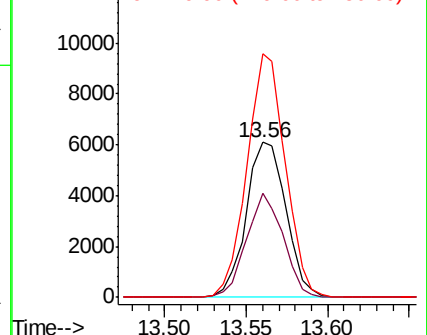
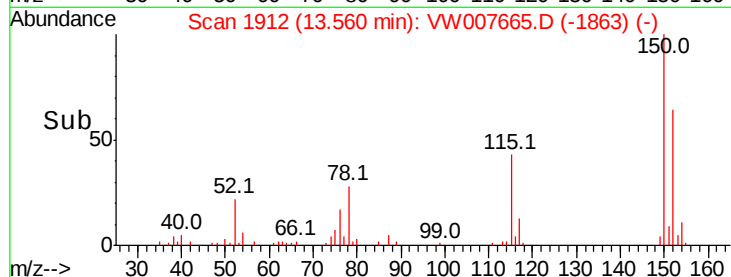
150 151.2 0.0 358.4



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: 91.620 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007665.D

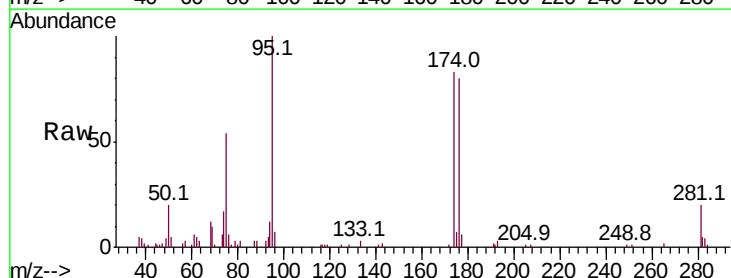
Acq: 18 Dec 2018 18:11

Tgt Ion: 75 Resp: 7821

Ion Ratio Lower Upper

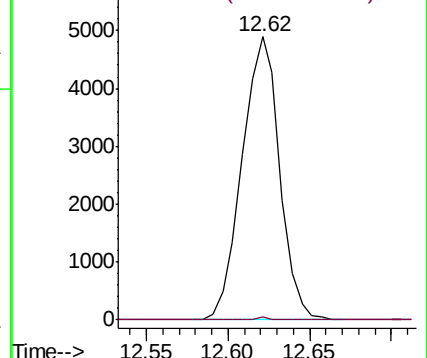
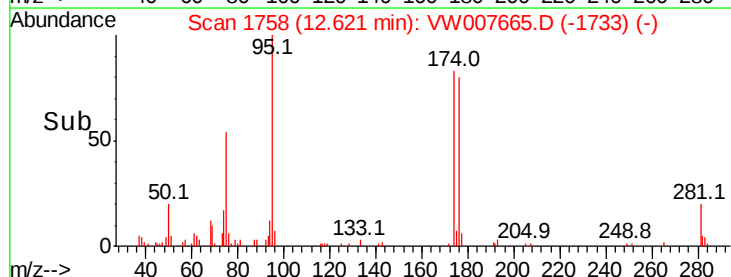
75 100

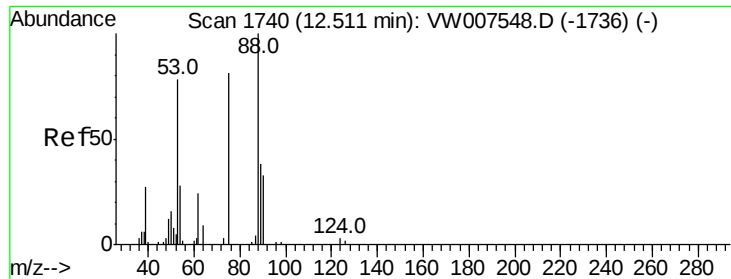
77 0.3 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 202.389 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007665.D

Acq: 18 Dec 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 7821

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

