

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007267.D
 Acq On : 06 Dec 2018 08:46
 Operator : SY/AP
 Sample : J6208-15RE
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 12:38:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	5970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	10453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	7819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	3381	60.83	ug/l	0.00
Spiked Amount						
			Recovery	=	121.66%	
35) Dibromofluoromethane	7.89	113	2650	44.27	ug/l	0.00
Spiked Amount						
			Recovery	=	88.54%	
50) Toluene-d8	10.33	98	7568	28.70	ug/l	0.00
Spiked Amount						
			Recovery	=	57.40%	
62) 4-Bromofluorobenzene	12.62	95	2254	22.65	ug/l	0.00
Spiked Amount						
			Recovery	=	45.30%	

Target Compounds

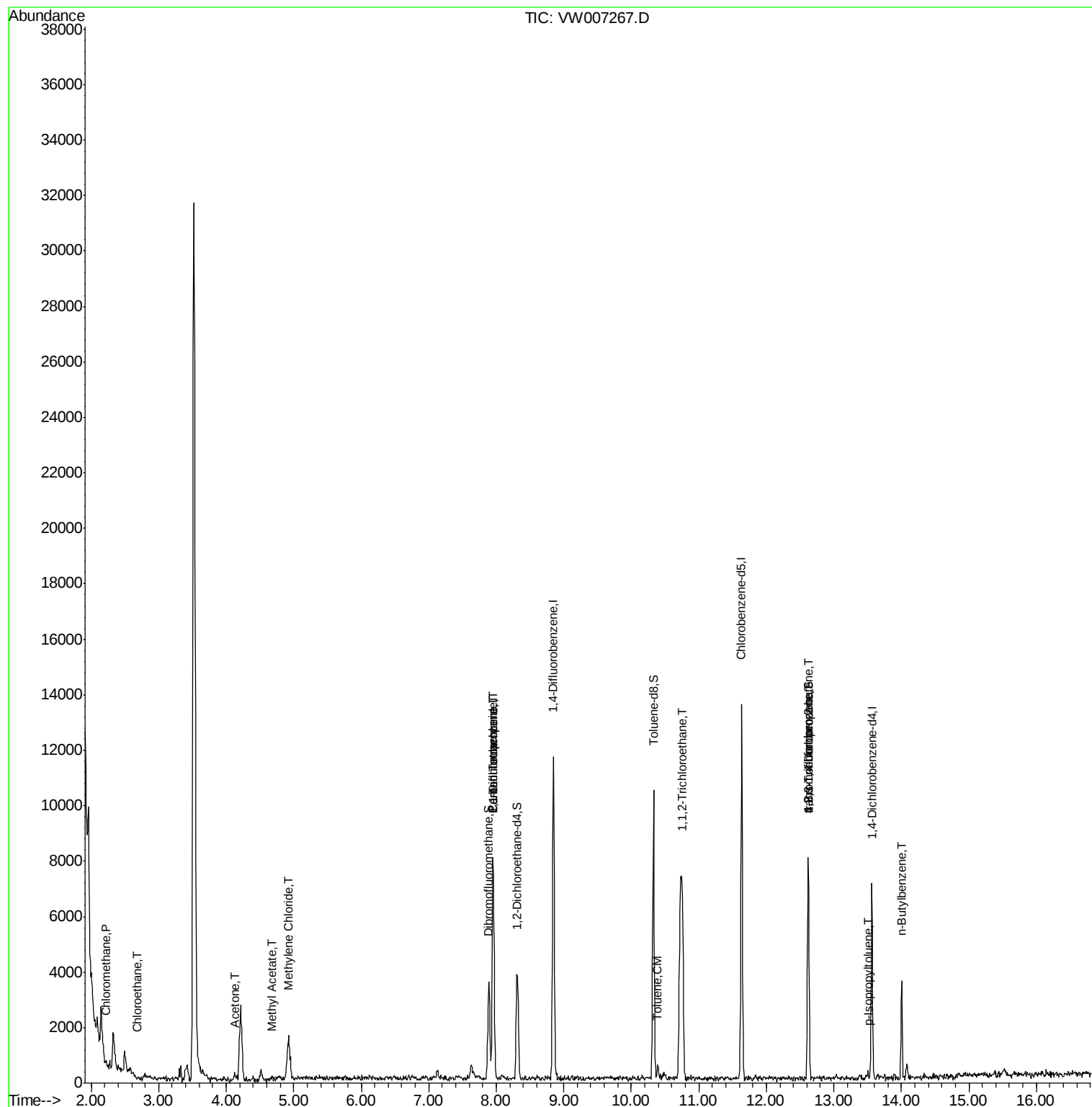
						Qvalue
3) Chloromethane	2.23	50	123	1.487	ug/l #	42
6) Chloroethane	2.68	64	42	1.445	ug/l #	43
16) Acetone	4.13	43	416	31.615	ug/l #	45
18) Methyl Acetate	4.68	43	140	4.661	ug/l #	50
20) Methylene Chloride	4.93	84	1180	14.058	ug/l	97
36) 1,1-Dichloropropene	7.96	75	414	4.070	ug/l #	41
38) Carbon Tetrachloride	7.95	117	570	5.491	ug/l #	13
52) Toluene	10.39	92	314	1.618	ug/l	80
55) 1,1,2-Trichloroethane	10.75	97	317	6.608	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	1155	75.412	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1155	162.540	ug/l #	13
86) p-Isopropyltoluene	13.51	119	231	1.511	ug/l #	57
89) n-Butylbenzene	14.01	91	578	4.047	ug/l #	44

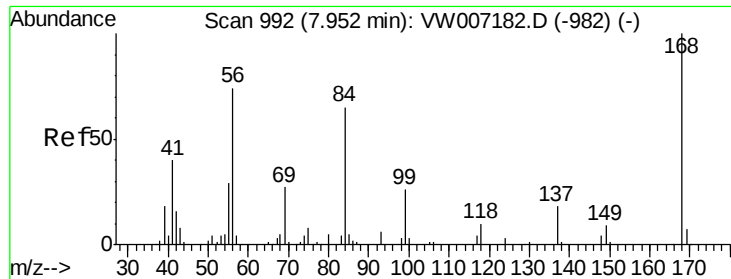
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

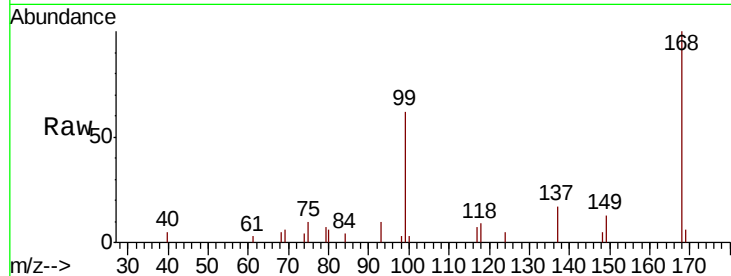
ClientSampleId :

Tot Ion:168 Resp: 5970

Ion Ratio Lower Upper

168 100

99 61.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

2500

2000

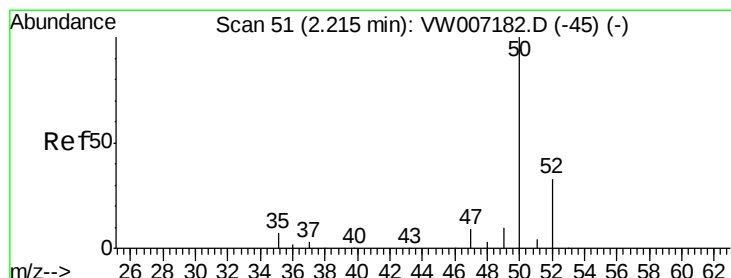
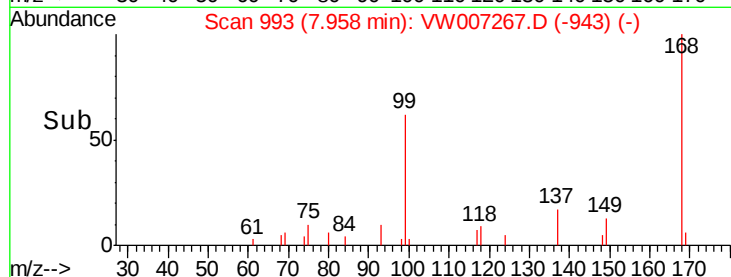
1500

1000

500

0

Time-->



#3

Chloromethane

Concen: 1.487 ug/l

RT: 2.23 min Scan# 53

Delta R.T. 0.01 min

Lab File: VW007267.D

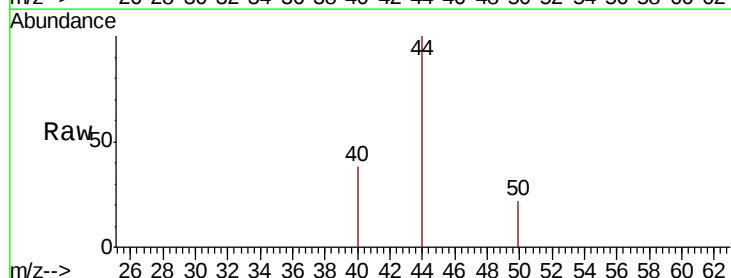
Acq: 06 Dec 2018 08:46

Tgt Ion: 50 Resp: 123

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.23

120

100

80

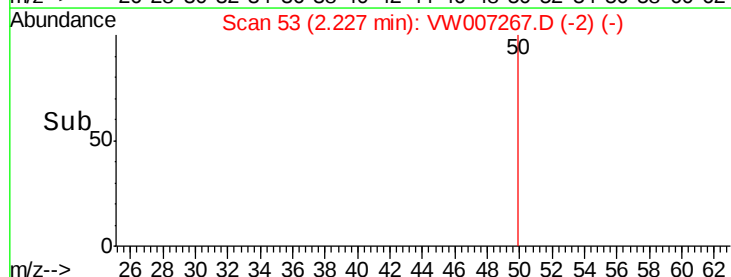
60

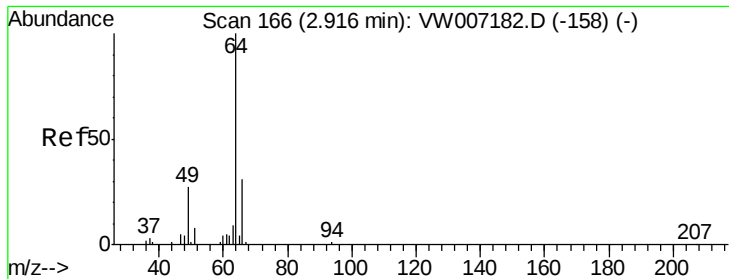
40

20

0

Time-->





#6

Chloroethane

Concen: 1.445 ug/l

RT: 2.68 min Scan# 128

Delta R.T. -0.23 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

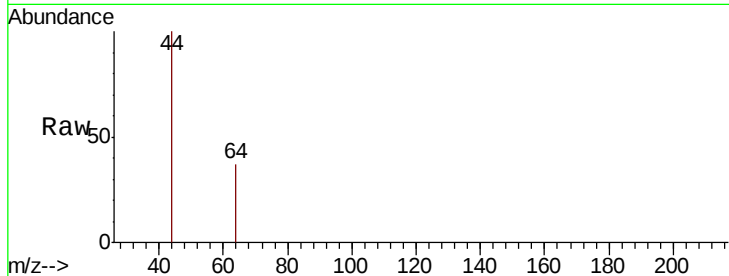
ClientSampleId :

Tot Ion: 64 Resp: 42

Ion Ratio Lower Upper

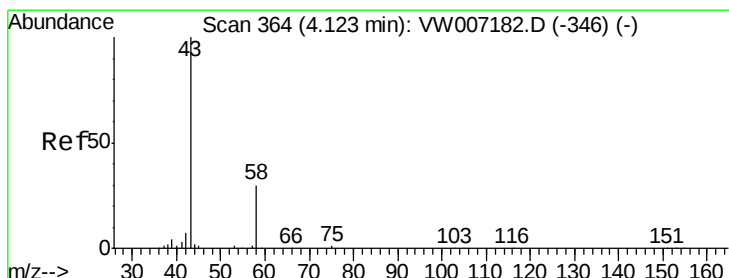
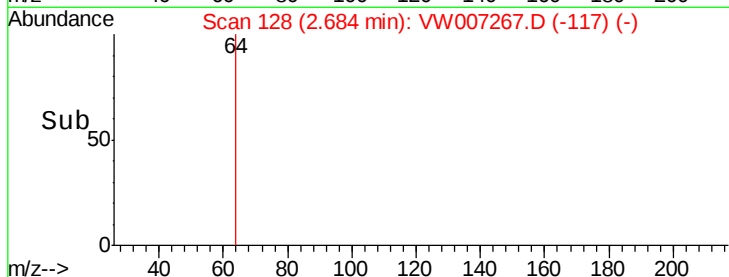
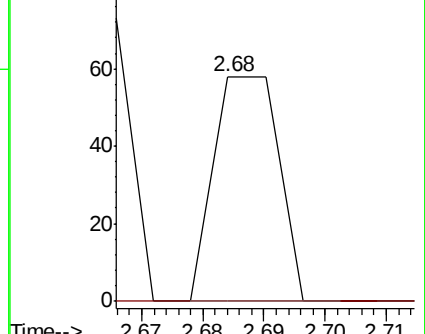
64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#16

Acetone

Concen: 31.615 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007267.D

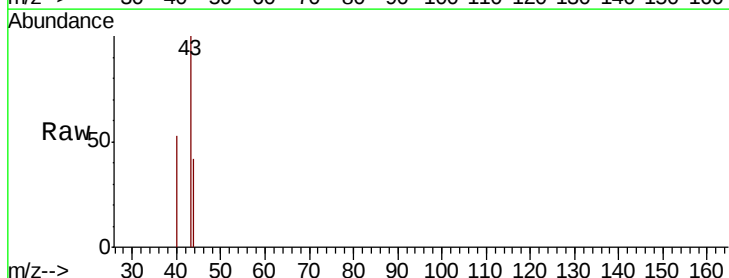
Acq: 06 Dec 2018 08:46

Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

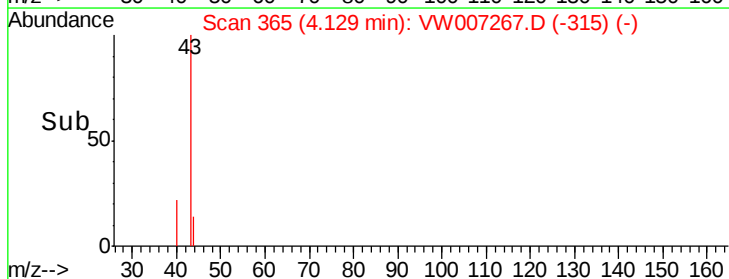
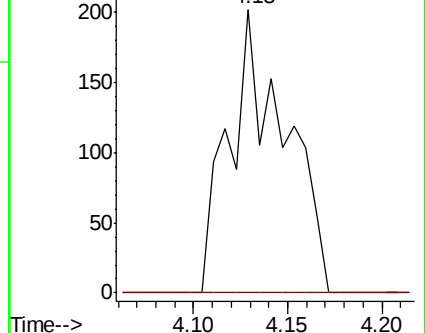
43 100

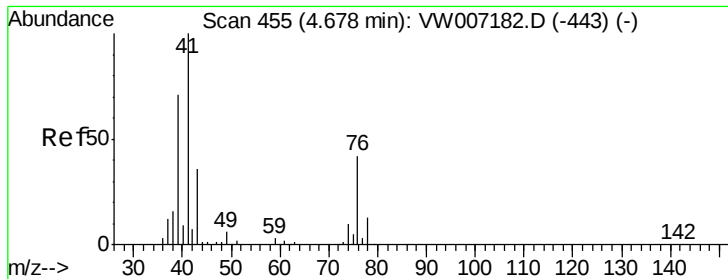
58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

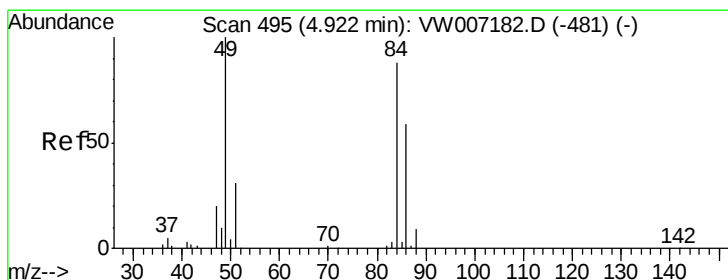
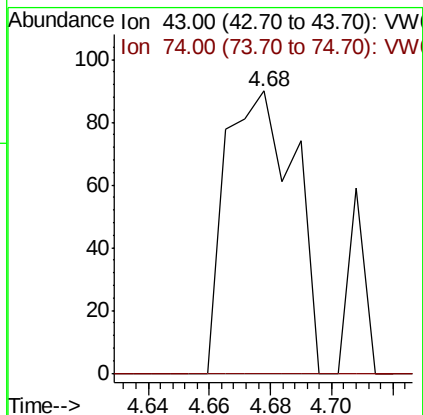
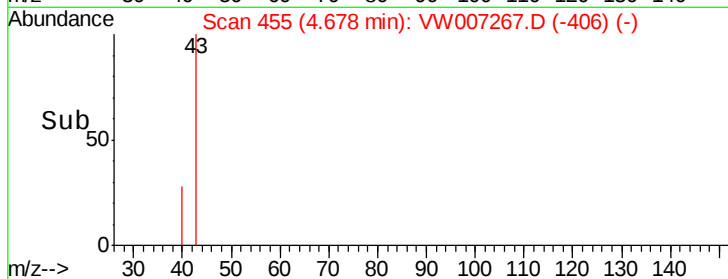
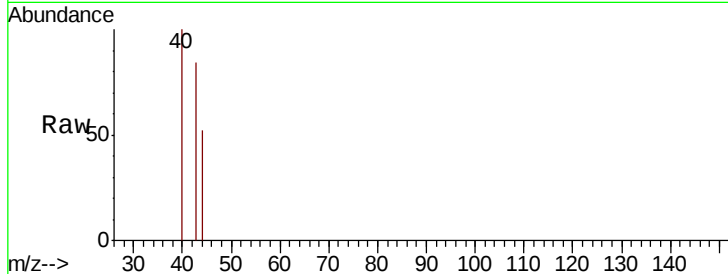




#18
Methyl Acetate
Concen: 4.661 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007267.D
Acq: 06 Dec 2018 08:46

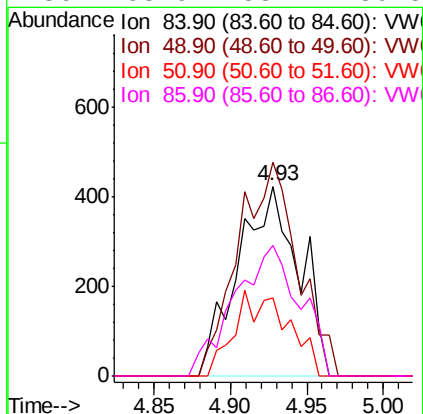
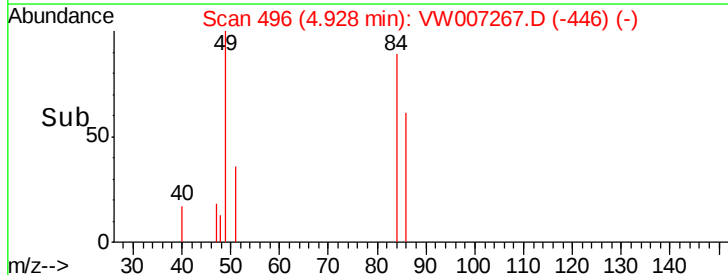
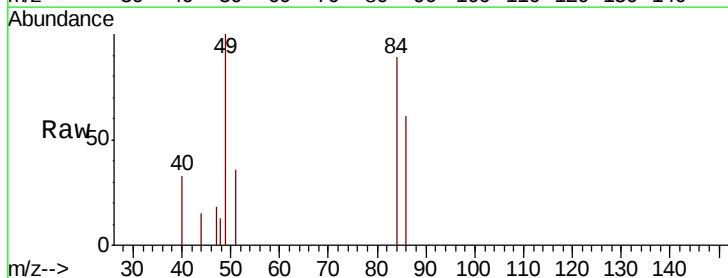
Instrument :
MSVOA_W
ClientSampled :

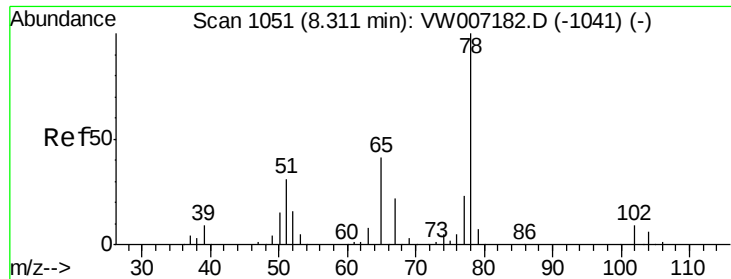
Tot Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 14.058 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007267.D
Acq: 06 Dec 2018 08:46

Tgt Ion: 84 Resp: 1180
Ion Ratio Lower Upper
84 100
49 112.3 90.6 135.8
51 40.8 27.6 41.4
86 68.9 53.7 80.5

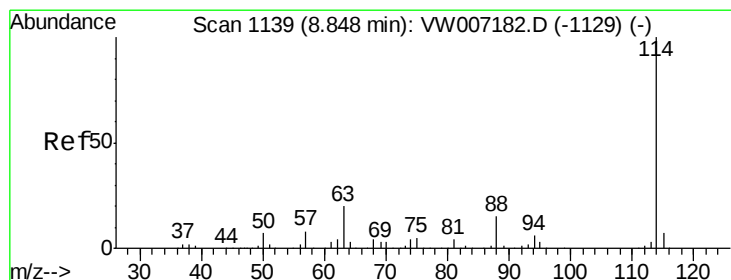
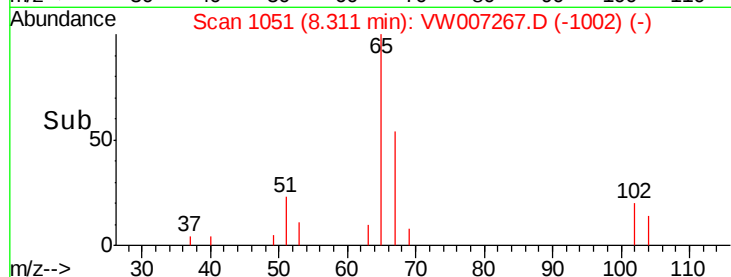
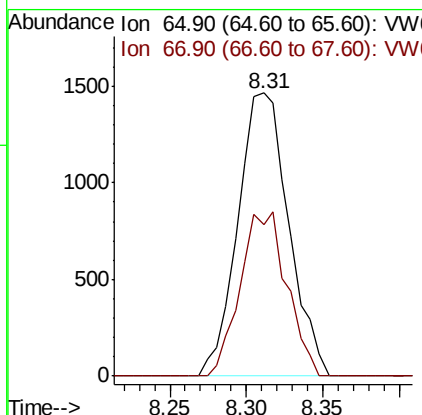
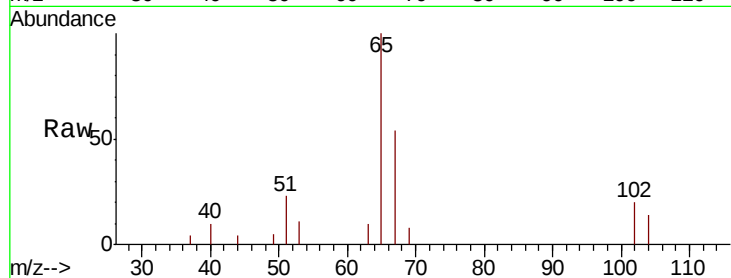




#33
 1,2-Dichloroethane-d4
 Concen: 60.828 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007267.D
 Acq: 06 Dec 2018 08:46

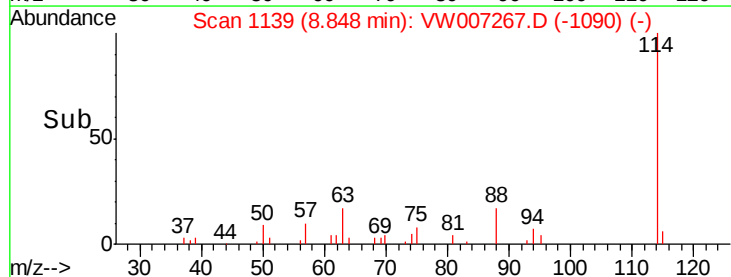
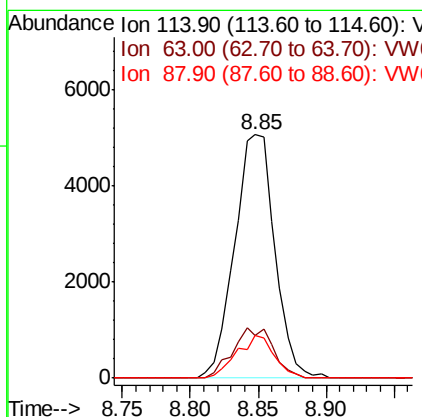
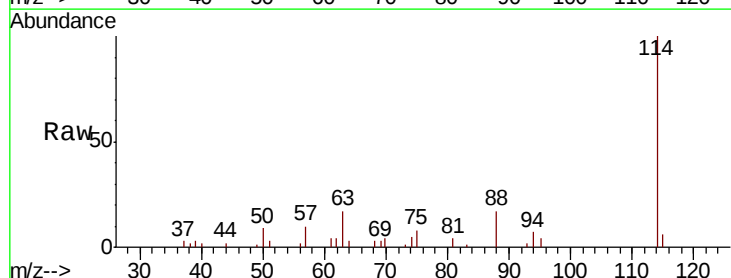
Instrument :
 MSVOA_W
 ClientSampleId :

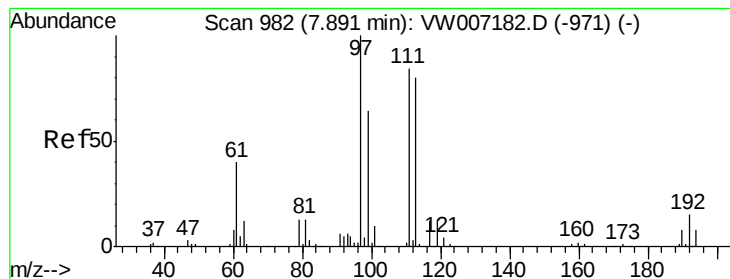
Tot Ion: 65 Resp: 3381
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007267.D
 Acq: 06 Dec 2018 08:46

Tgt Ion: 114 Resp: 10453
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 40.2
 88 17.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 44.275 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

ClientSampleId :

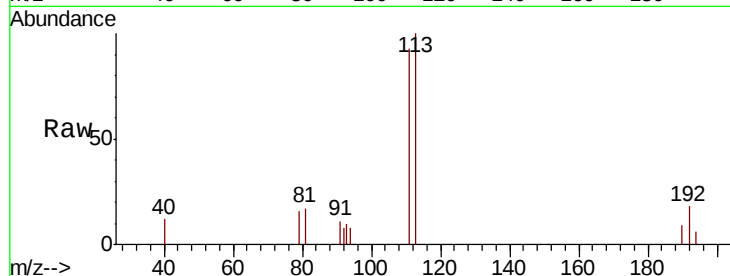
Tot Ion:113 Resp: 2650

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

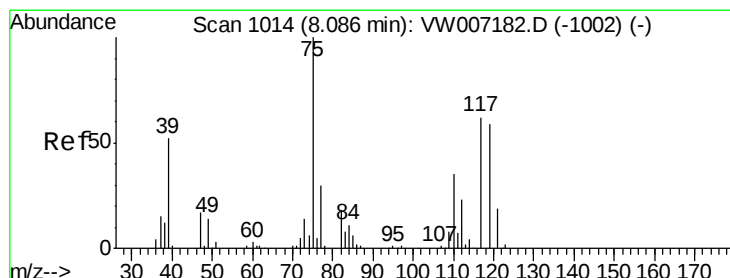
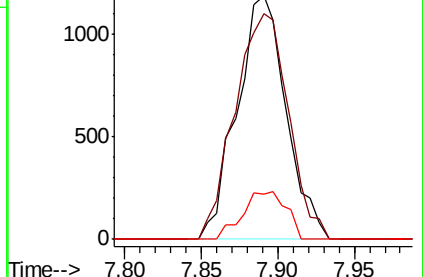
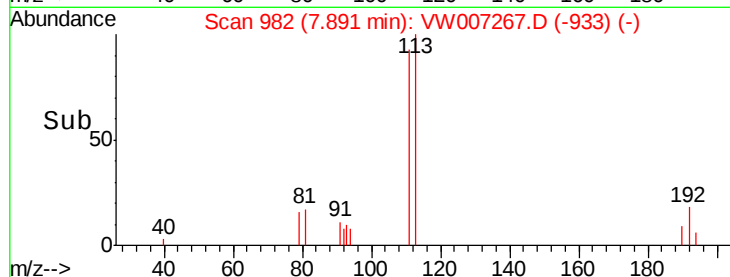
192 17.4 14.4 21.6



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: 4.070 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

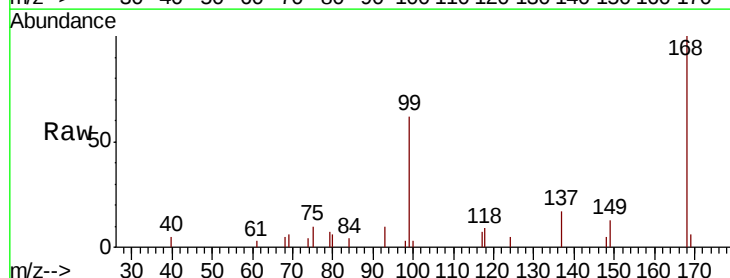
Tgt Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.9#

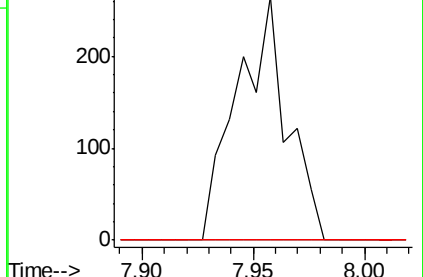
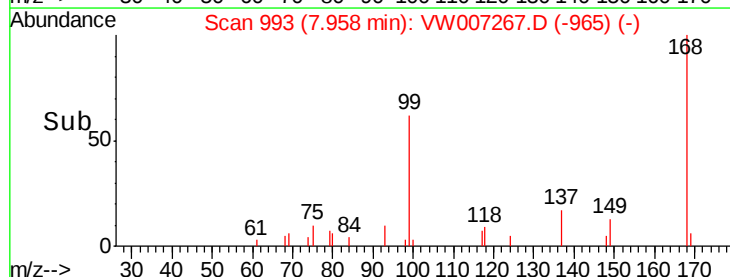
77 0.0 24.9 37.3#

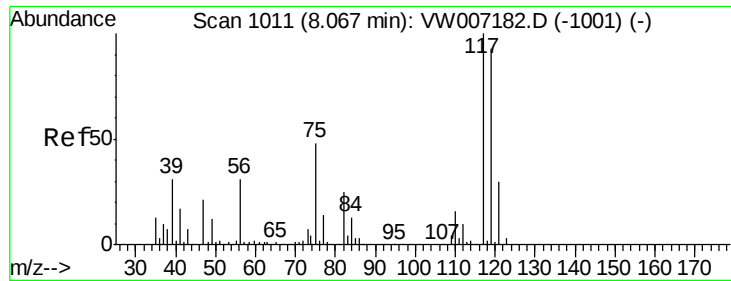


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

ClientSampleId :

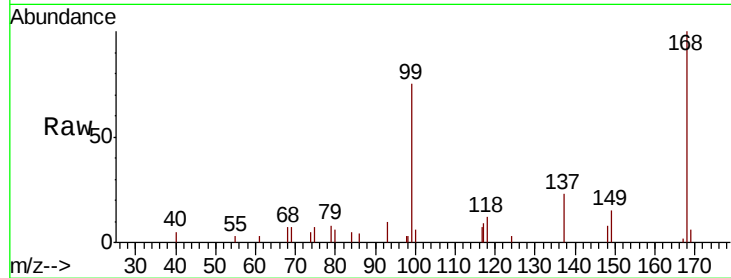
Tot Ion:117 Resp: 570

Ion Ratio Lower Upper

117 100

119 0.0 74.1 111.1#

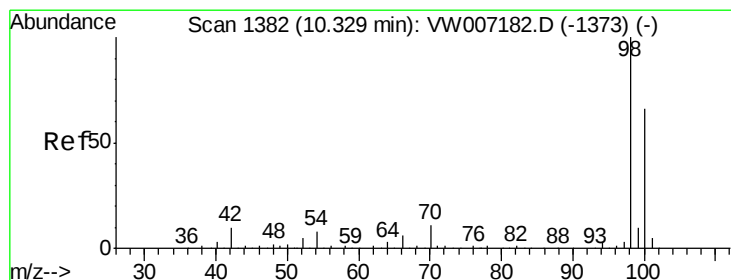
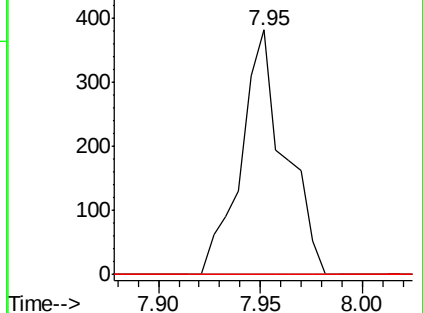
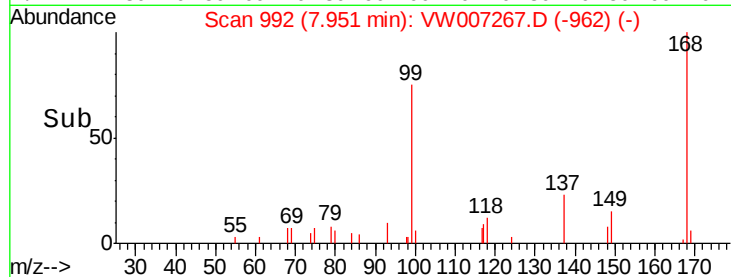
121 0.0 23.9 35.9#



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: 28.704 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007267.D

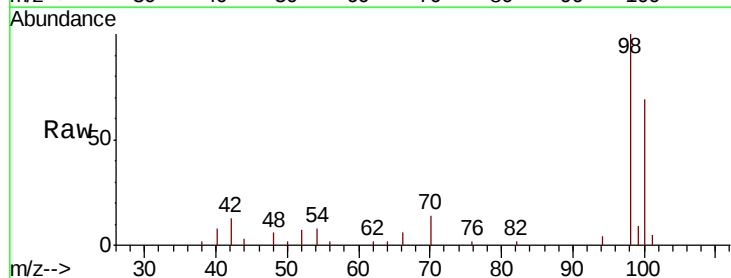
Acq: 06 Dec 2018 08:46

Tgt Ion: 98 Resp: 7568

Ion Ratio Lower Upper

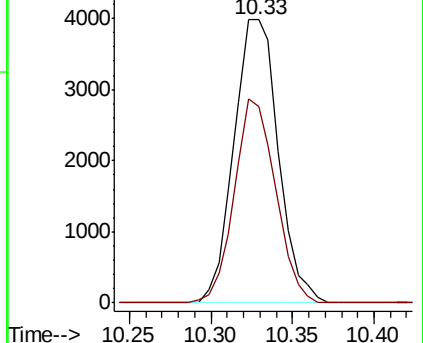
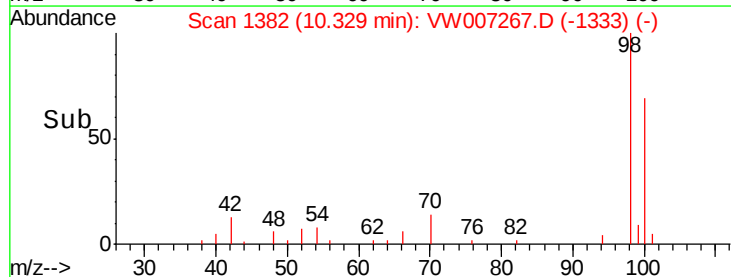
98 100

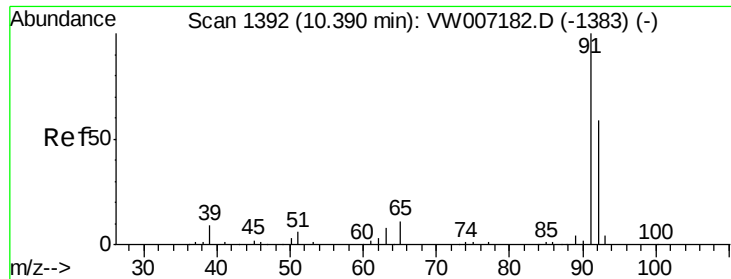
100 66.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.618 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

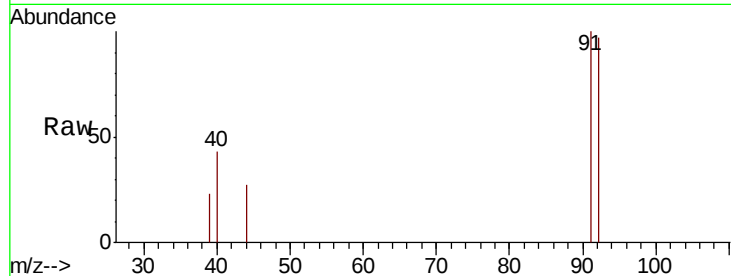
ClientSampled :

Tot Ion: 92 Resp: 314

Ion Ratio Lower Upper

92 100

91 142.0 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

200

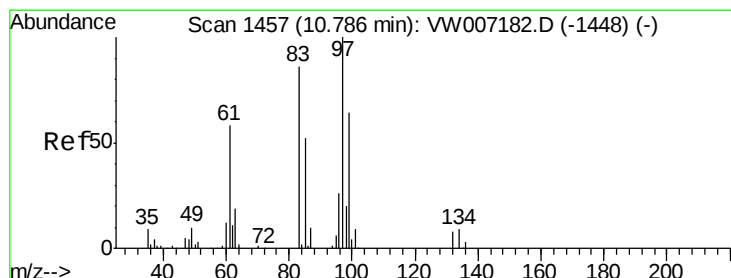
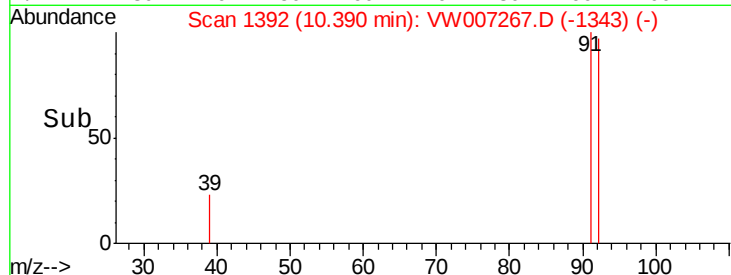
150

100

50

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 6.608 ug/l

RT: 10.75 min Scan# 1451

Delta R.T. -0.04 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Tgt Ion: 97 Resp: 317

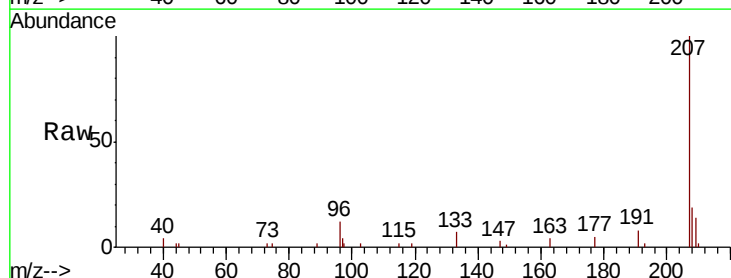
Ion Ratio Lower Upper

97 100

83 0.0 68.6 102.8#

85 0.0 41.4 62.2#

99 0.0 51.2 76.8#



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.75

200

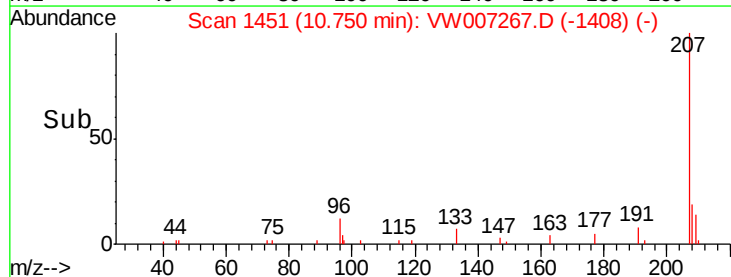
150

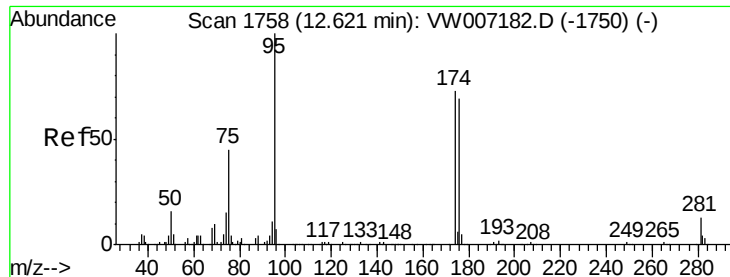
100

50

0

Time-->

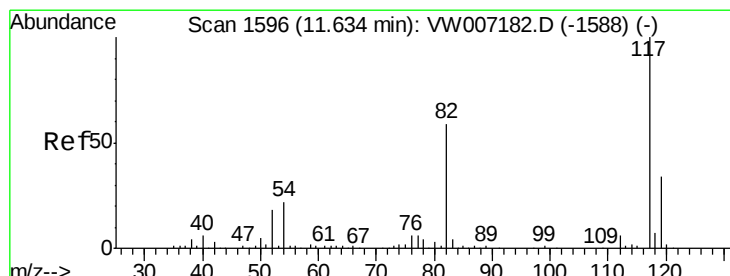
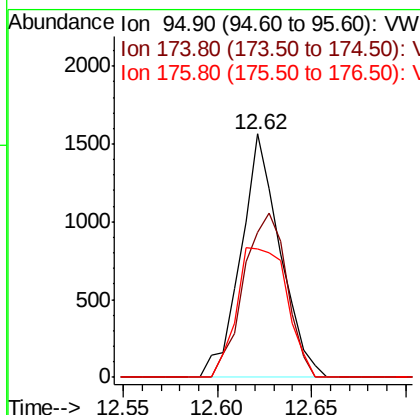
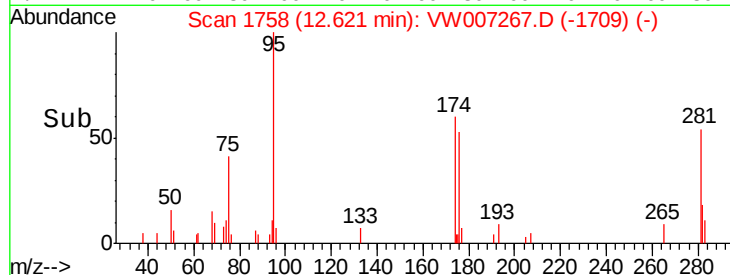
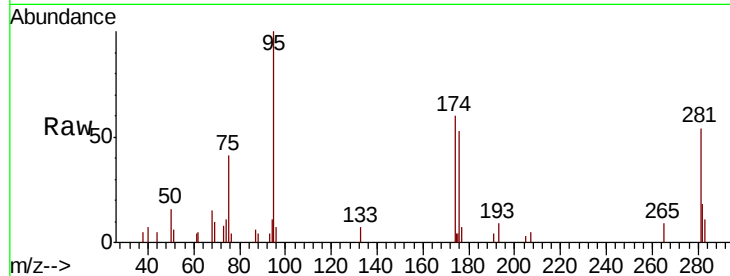




#62
4-Bromofluorobenzene
Concen: 22.650 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007267.D
Acq: 06 Dec 2018 08:46

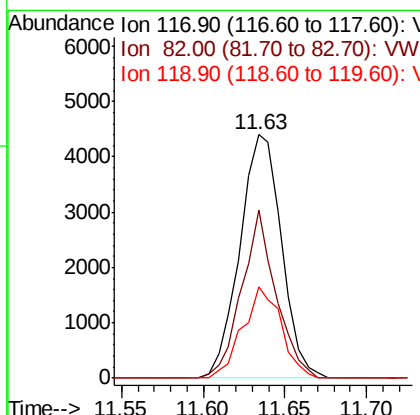
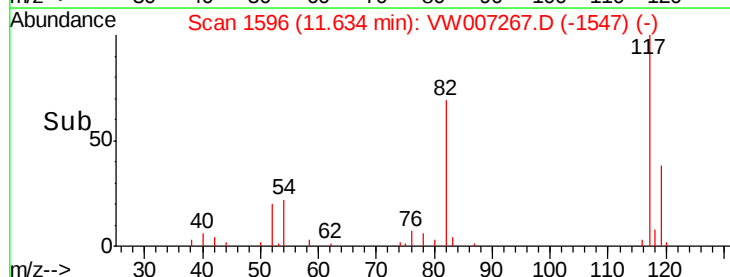
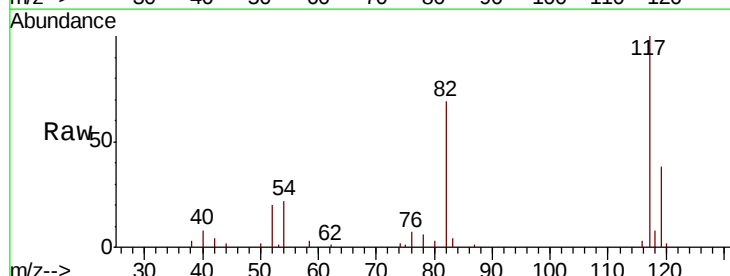
Instrument :
MSVOA_W
ClientSampled :

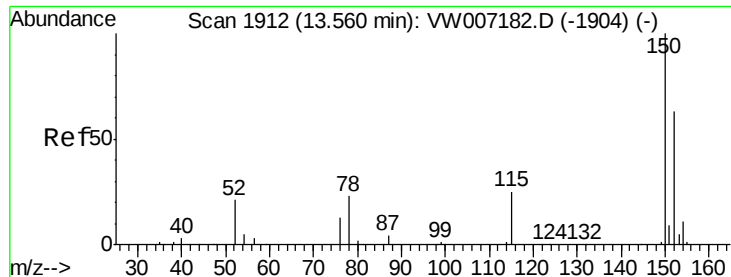
Tot Ion: 95 Resp: 2254
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 68.3 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007267.D
Acq: 06 Dec 2018 08:46

Tgt Ion: 117 Resp: 7819
Ion Ratio Lower Upper
117 100
82 68.8 47.4 71.2
119 37.7 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

ClientSampleId :

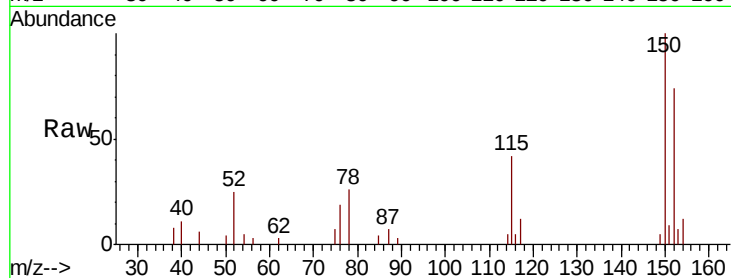
Tot Ion:152 Resp: 1978

Ion Ratio Lower Upper

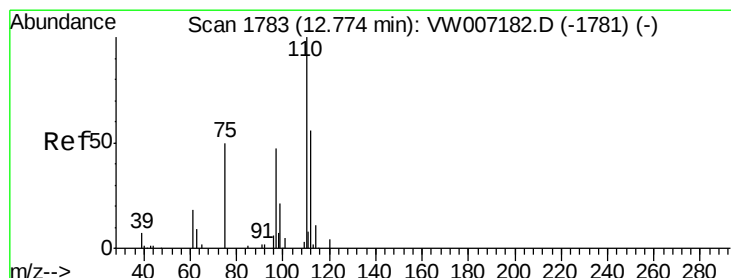
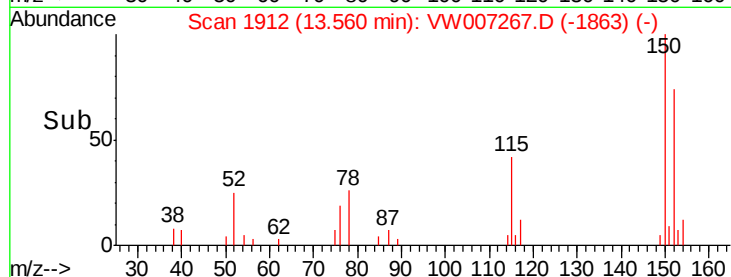
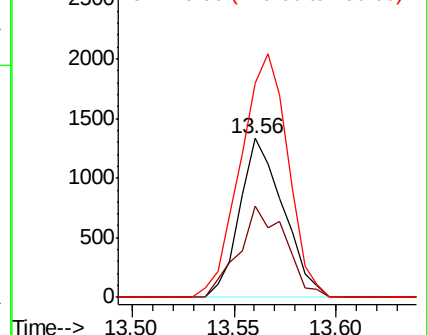
152 100

115 61.5 31.3 93.8

150 166.8 0.0 358.0



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: 75.412 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW007267.D

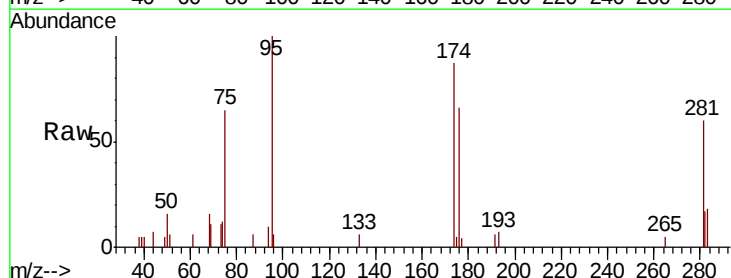
Acq: 06 Dec 2018 08:46

Tgt Ion: 75 Resp: 1155

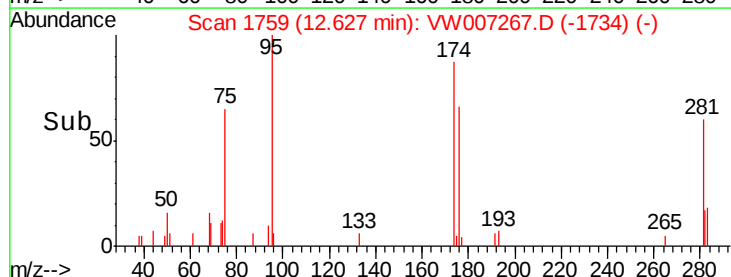
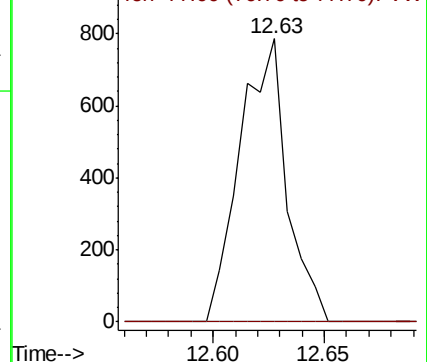
Ion Ratio Lower Upper

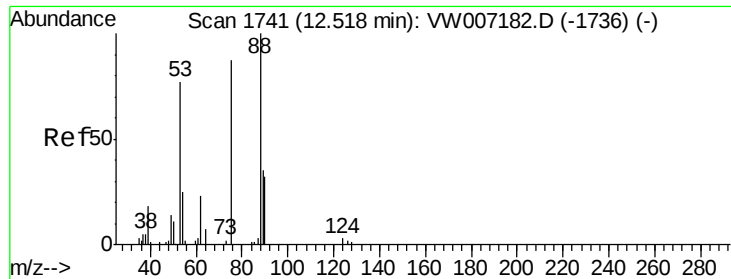
75 100

77 0.0 0.0 0.0



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: 162.540 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

ClientSampled :

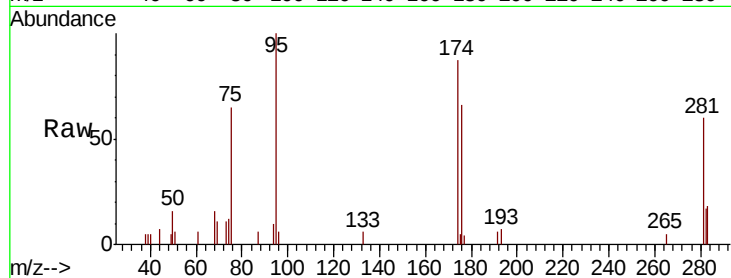
Tot Ion: 75 Resp: 1155

Ion Ratio Lower Upper

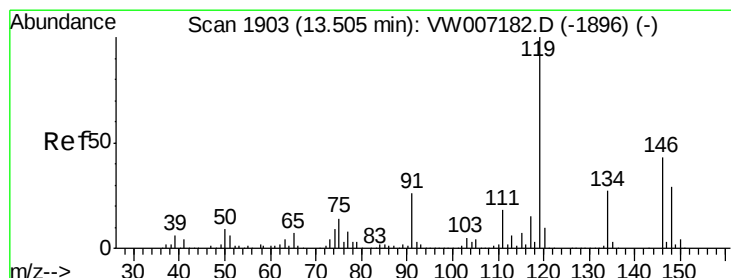
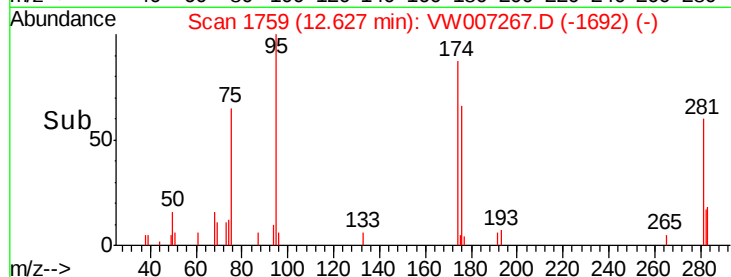
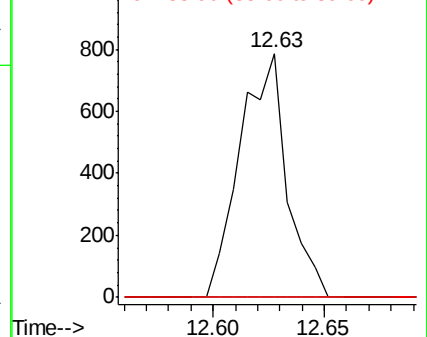
75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#86

p-Isopropyltoluene

Concen: 1.511 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

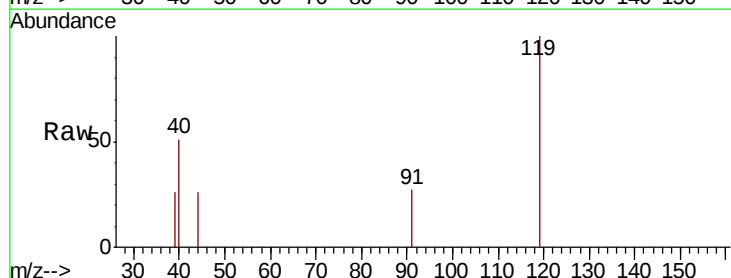
Tgt Ion: 119 Resp: 231

Ion Ratio Lower Upper

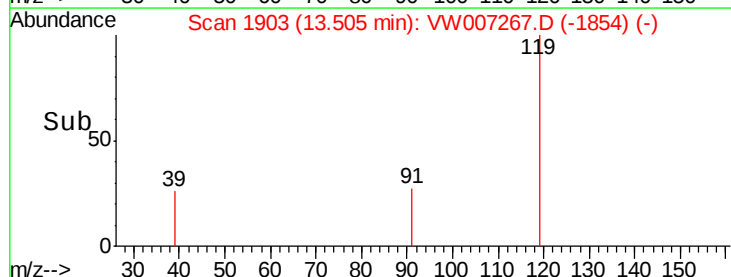
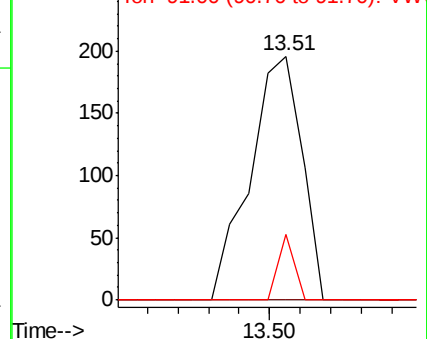
119 100

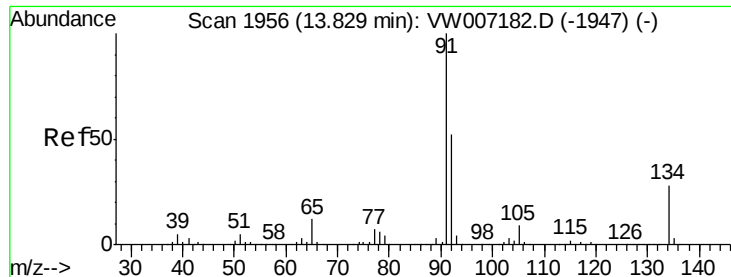
134 0.0 13.2 39.6#

91 8.2 12.4 37.2#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VW





#89

n-Butylbenzene

Concen: 4.047 ug/l

RT: 14.01 min Scan# 1985

Delta R.T. 0.18 min

Lab File: VW007267.D

Acq: 06 Dec 2018 08:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 91 Resp: 578

Ion Ratio Lower Upper

91 100

92 12.8 26.5 79.5#

134 0.0 14.1 42.2#

