

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006599.D
 Acq On : 02 Nov 2018 10:13
 Operator : SY/AP
 Sample : J5741-31
 Misc : 7.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Quant Time: Nov 02 11:41:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	349261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169223	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	89556	43.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.78%	
35) Dibromofluoromethane	7.88	113	88285	40.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.56%	
50) Toluene-d8	10.33	98	317755	38.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.16%	
62) 4-Bromofluorobenzene	12.62	95	109113	36.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.14%	

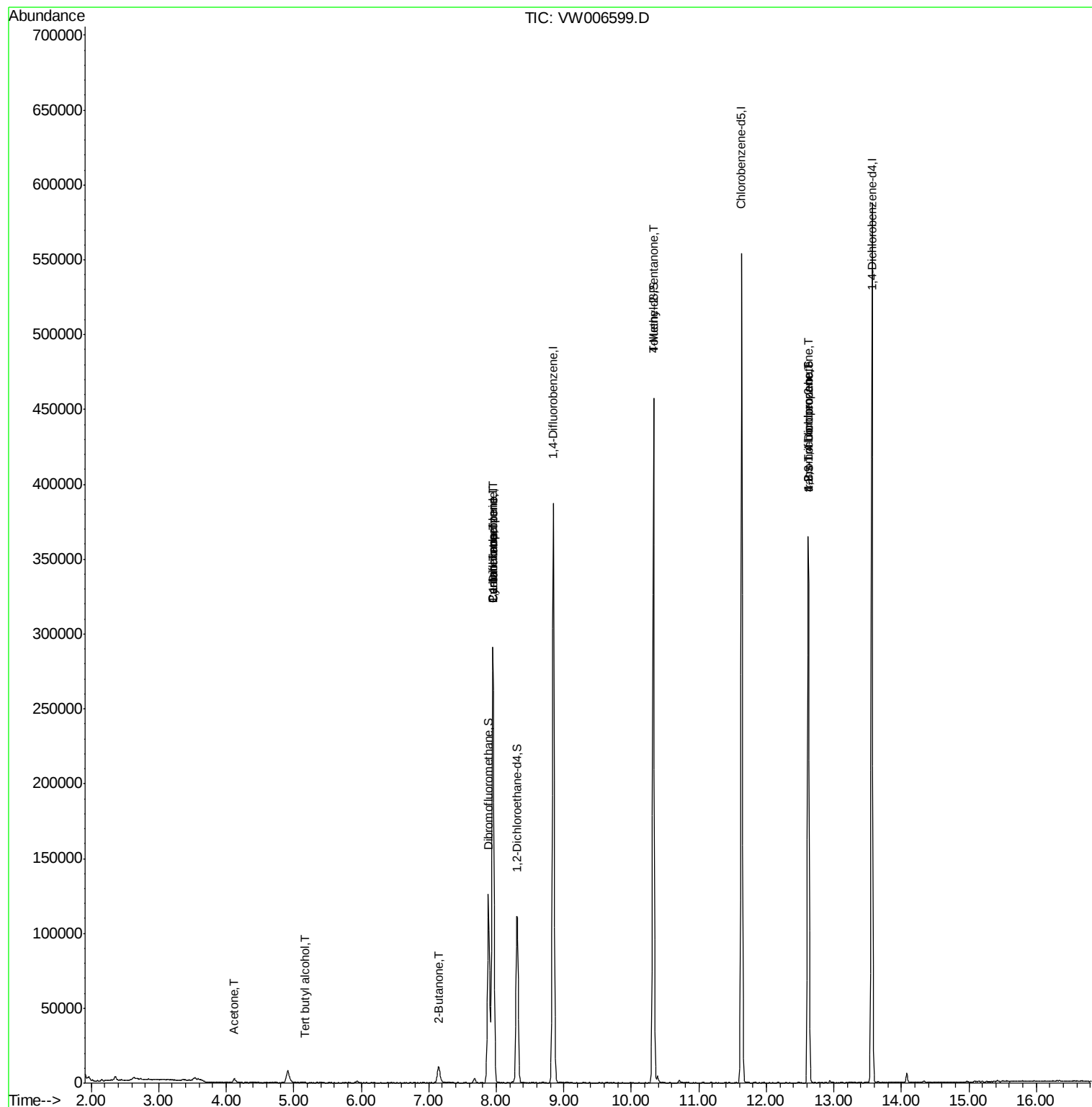
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	147	1.32	ug/l #	84
16) Acetone	4.12	43	4823	14.47	ug/l	92
20) Methylene Chloride	4.91	84	7055	Below Cal		95
25) 2-Butanone	7.16	43	680	1.43	ug/l #	46
31) Cyclohexane	7.95	56	4055	1.23	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14961	4.87	ug/l #	48
38) Carbon Tetrachloride	7.95	117	20985	6.54	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1230	1.13	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	54130	41.00	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54130	103.18	ug/l #	11

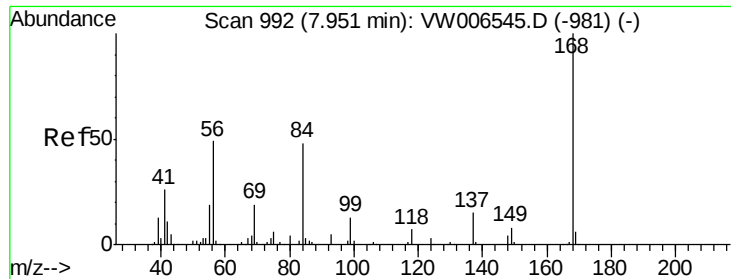
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
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Quant Time: Nov 02 11:41:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Instrument :

MSVOA_W

ClientSampled :

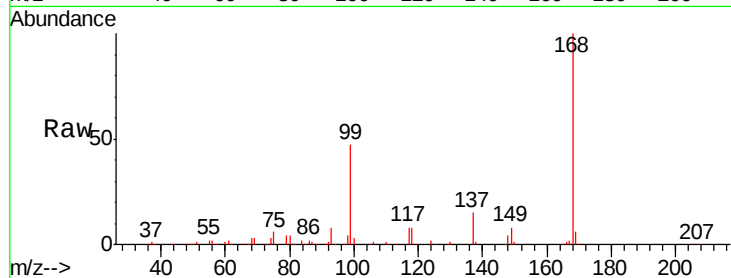
TP-8

Tgt Ion:168 Resp: 240106

Ion Ratio Lower Upper

168 100

99 47.0 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

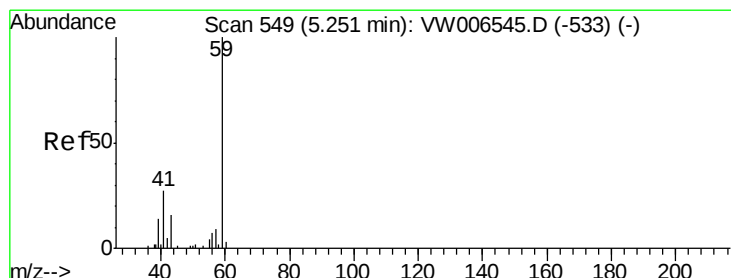
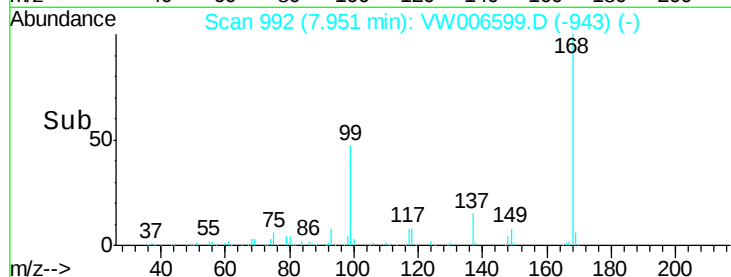
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.32 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.09 min

Lab File: VW006599.D

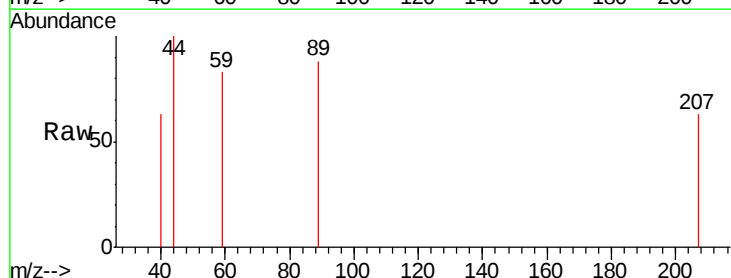
Acq: 02 Nov 2018 10:13

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

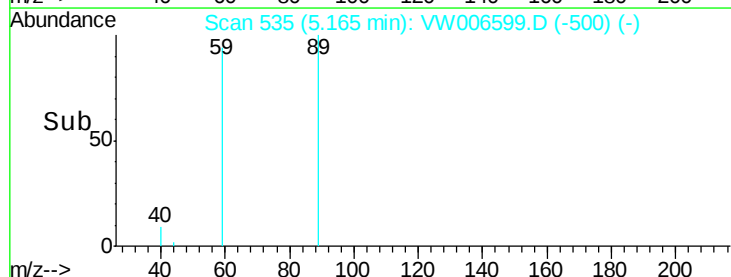
150

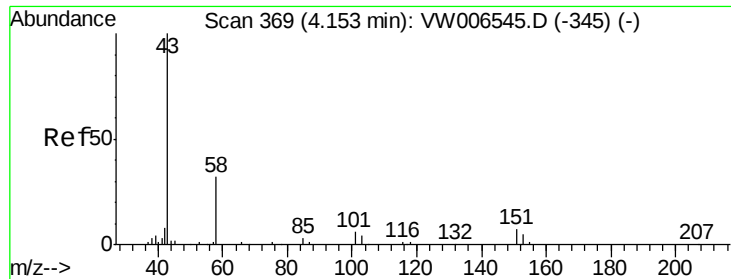
100

50

0

Time-->





#16

Acetone

Concen: 14.47 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Instrument :

MSVOA_W

ClientSampled :

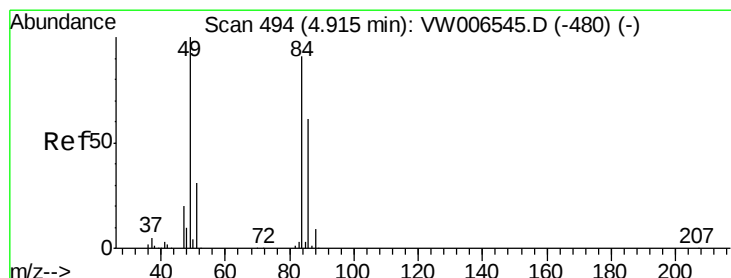
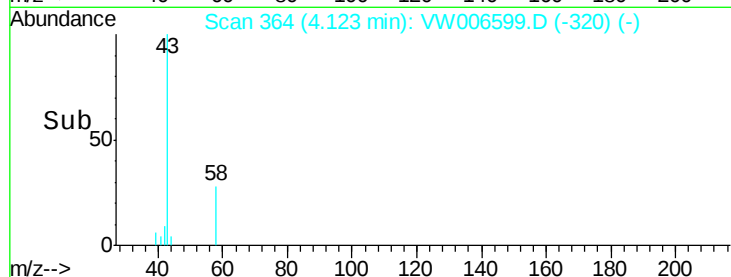
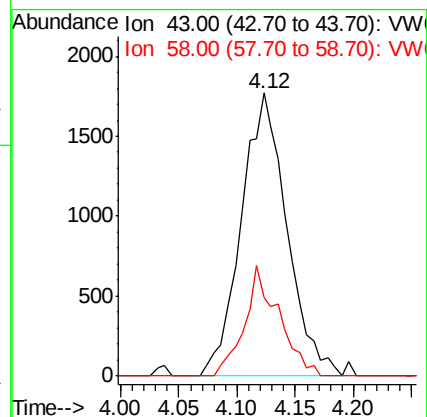
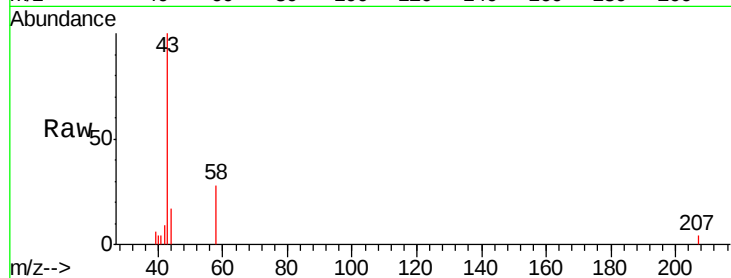
TP-8

Tgt Ion: 43 Resp: 4823

Ion Ratio Lower Upper

43 100

58 27.6 25.8 38.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Tgt Ion: 84 Resp: 7055

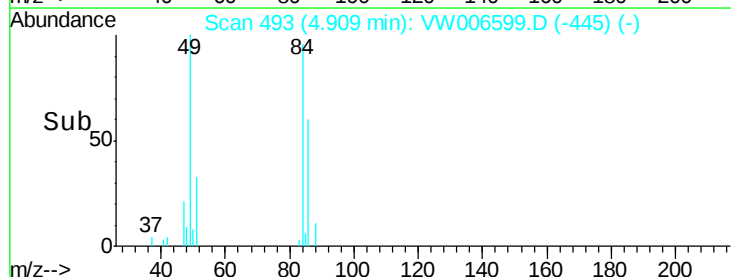
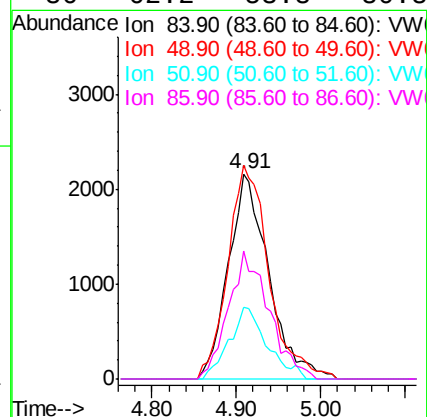
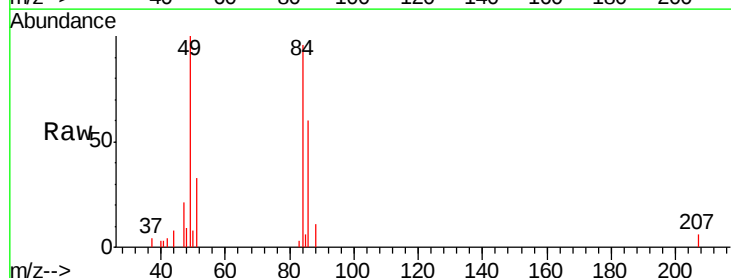
Ion Ratio Lower Upper

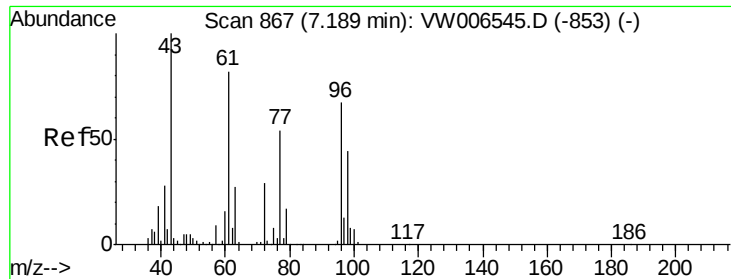
84 100

49 104.2 88.2 132.4

51 34.8 27.0 40.6

86 62.2 53.8 80.8

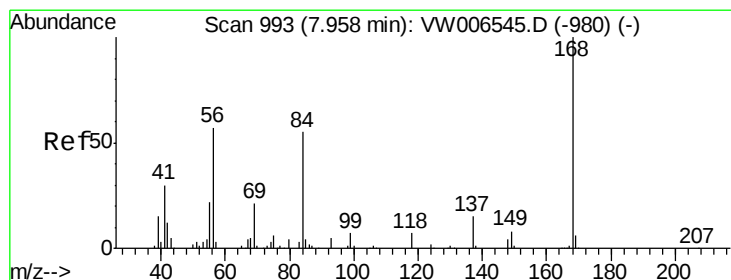
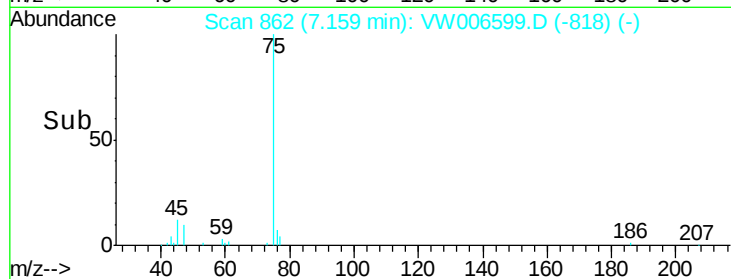
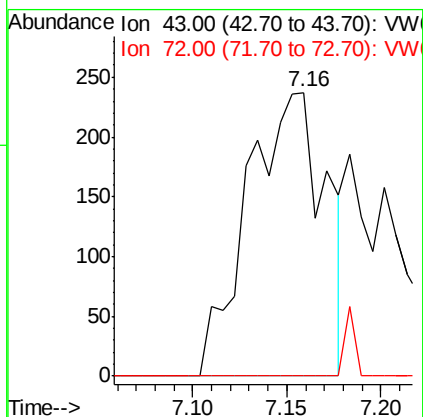
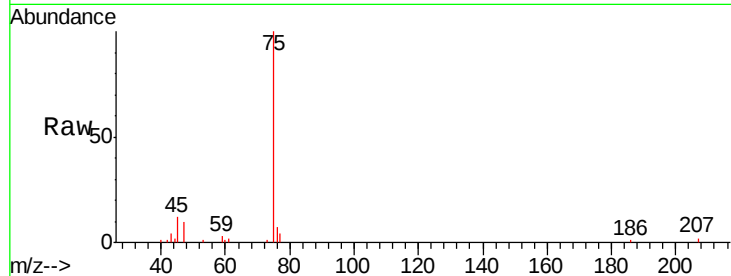




#25
2-Butanone
Concen: 1.43 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.03 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

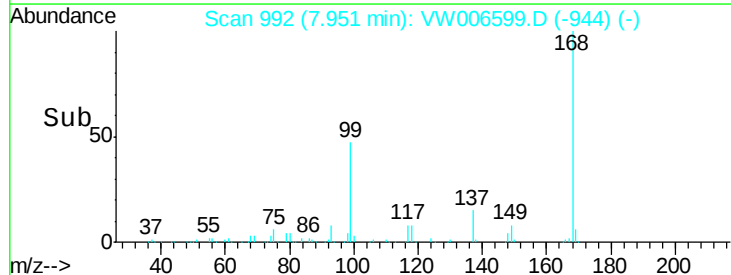
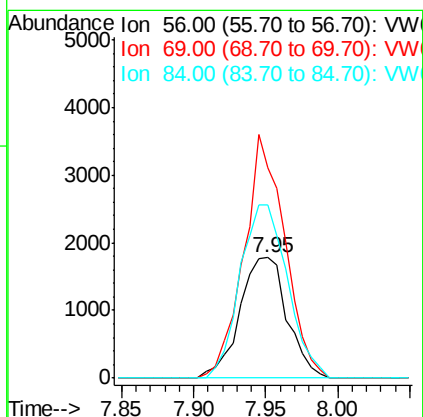
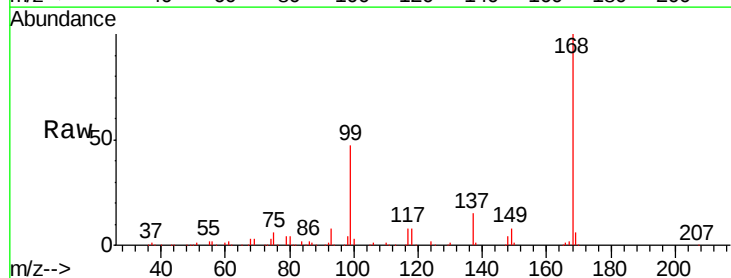
Instrument :
MSVOA_W
ClientSampled :
TP-8

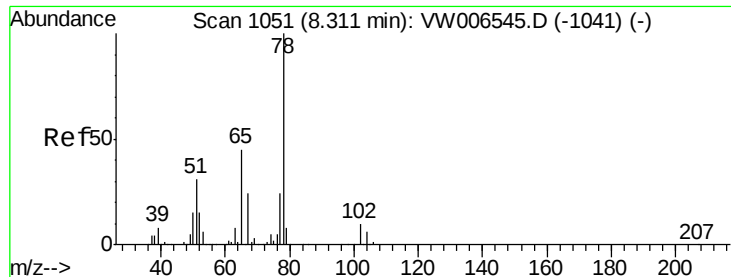
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

Tgt Ion: 56 Resp: 4055
Ion Ratio Lower Upper
56 100
69 175.5 29.0 43.4#
84 143.9 77.8 116.6#

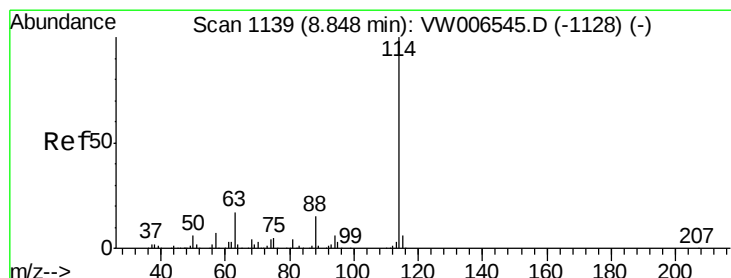
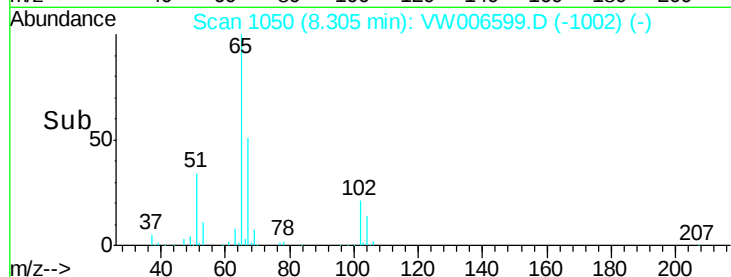
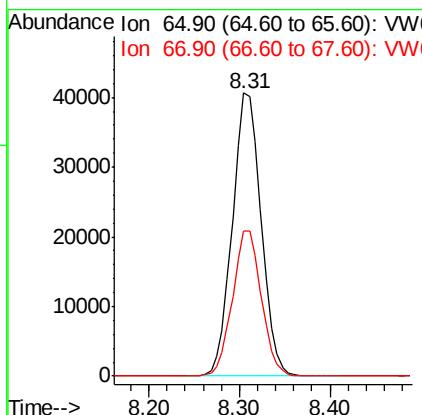
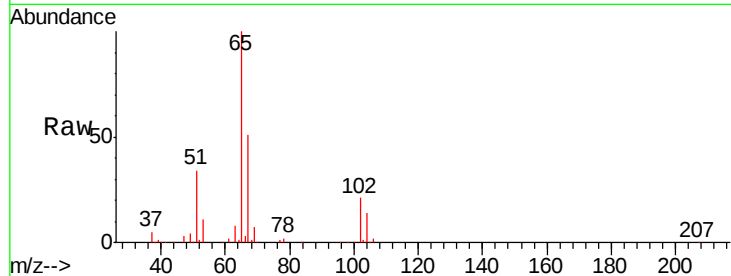




#33
 1,2-Dichloroethane-d4
 Concen: 43.39 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006599.D
 Acq: 02 Nov 2018 10:13

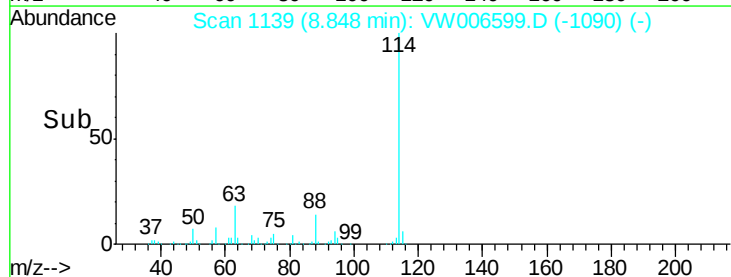
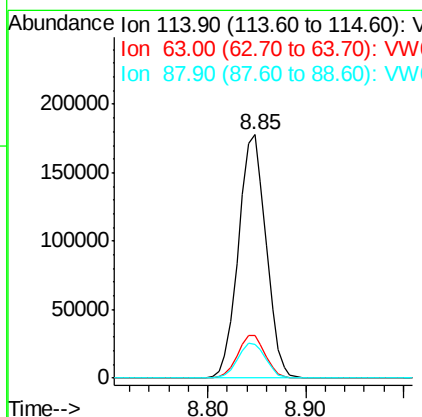
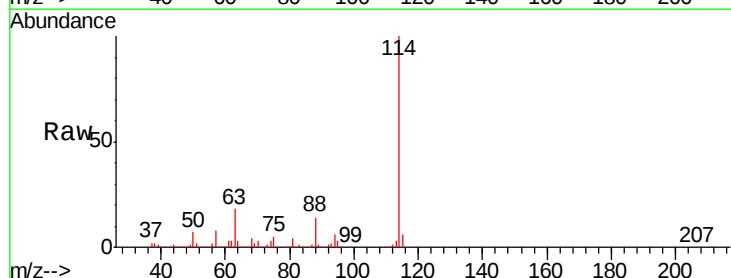
Instrument :
 MSVOA_W
 ClientSampled :
 TP-8

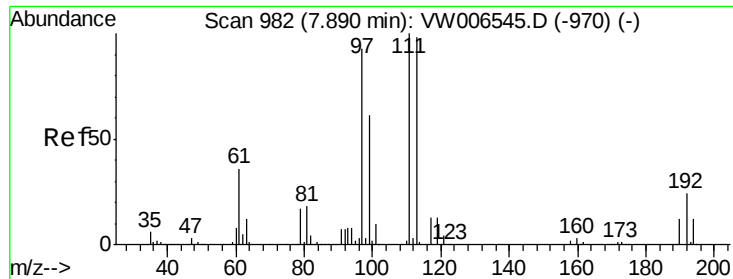
Tgt Ion: 65 Resp: 89556
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006599.D
 Acq: 02 Nov 2018 10:13

Tgt Ion: 114 Resp: 349261
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 13.7 0.0 29.0

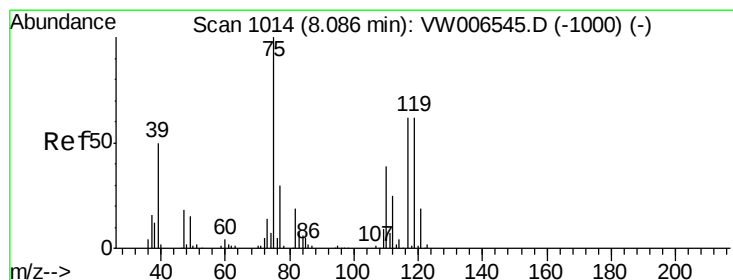
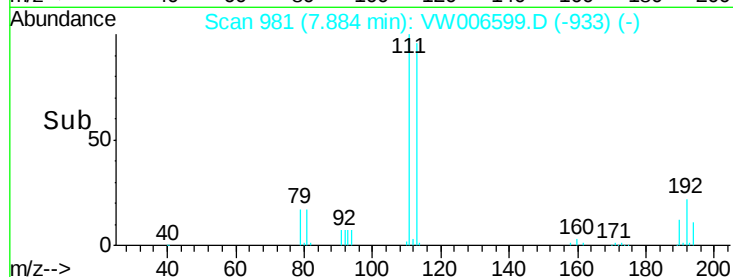
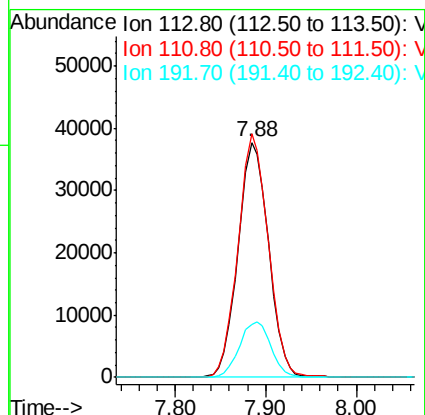
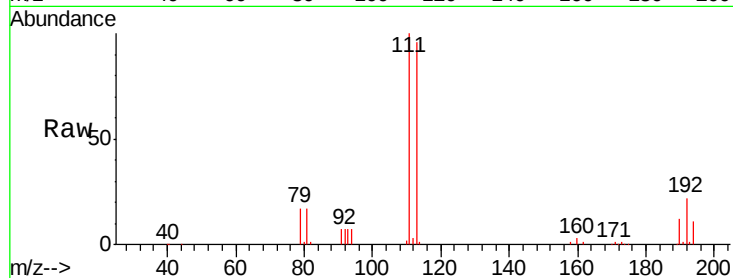




#35
Dibromofluoromethane
Concen: 40.28 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

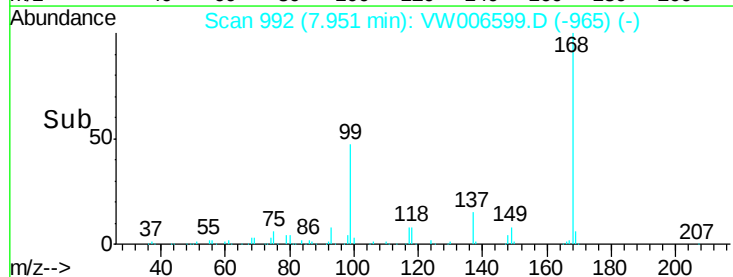
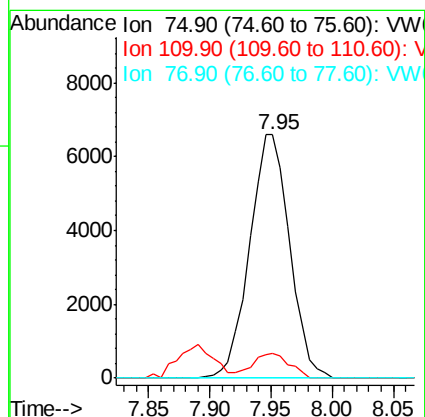
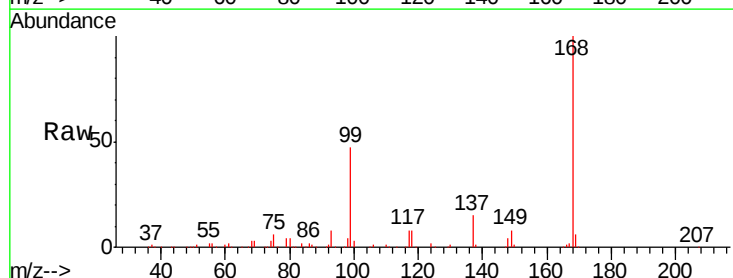
Instrument :
MSVOA_W
ClientSampled :
TP-8

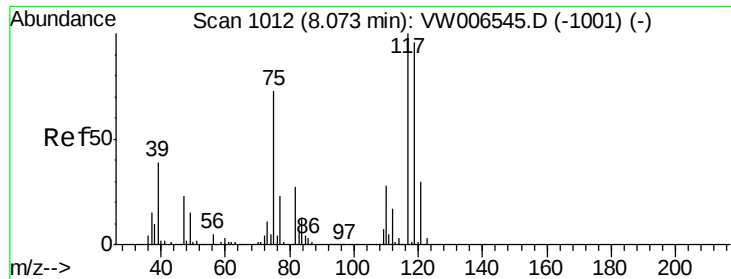
Tgt Ion:113 Resp: 88285
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 24.2 19.0 28.6



#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.13 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

Tgt Ion: 75 Resp: 14961
Ion Ratio Lower Upper
75 100
110 9.4 19.5 58.5#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.54 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Instrument :

MSVOA_W

ClientSampleId :

TP-8

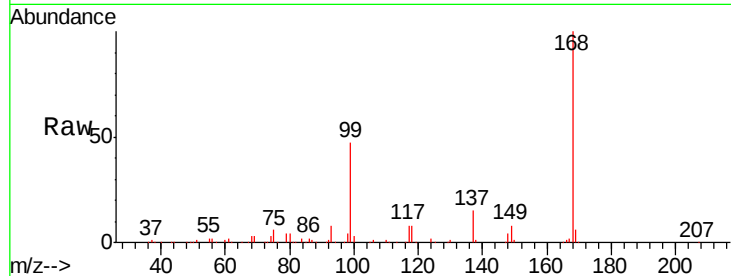
Tgt Ion:117 Resp: 20985

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

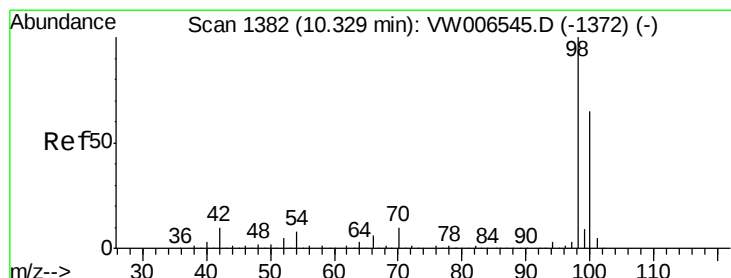
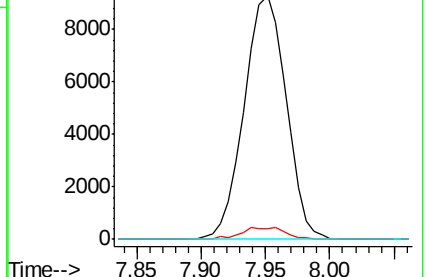
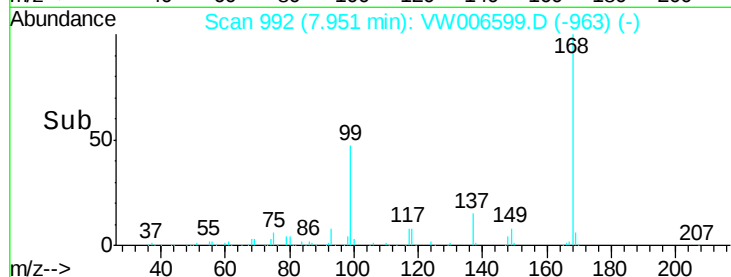
121 0.0 24.1 36.1#



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: 38.08 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006599.D

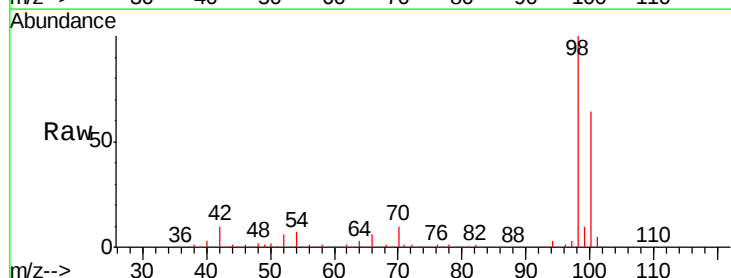
Acq: 02 Nov 2018 10:13

Tgt Ion: 98 Resp: 317755

Ion Ratio Lower Upper

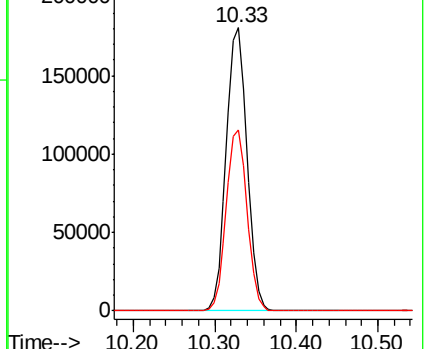
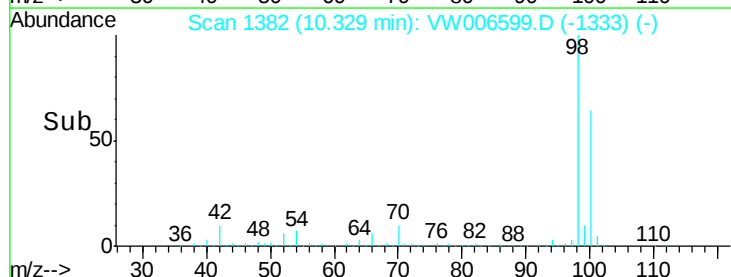
98 100

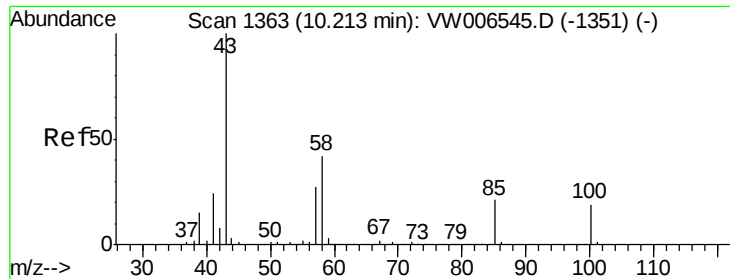
100 64.0 51.6 77.4



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: 1.13 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Instrument :

MSVOA_W

ClientSampled :

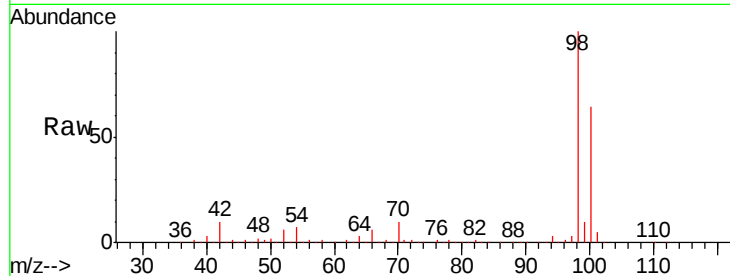
TP-8

Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

58 186.4 33.4 50.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

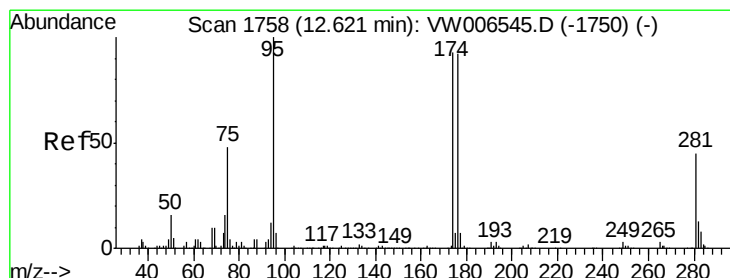
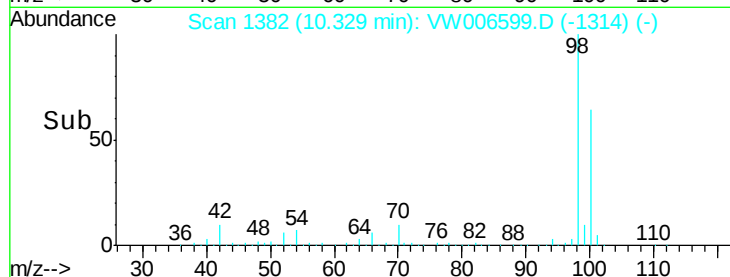
1000

500

0

10.30 10.35

Time-->



#62

4-Bromofluorobenzene

Concen: 36.07 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

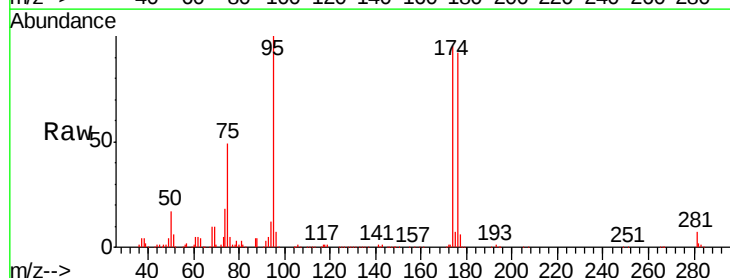
Tgt Ion: 95 Resp: 109113

Ion Ratio Lower Upper

95 100

174 98.7 0.0 192.4

176 95.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

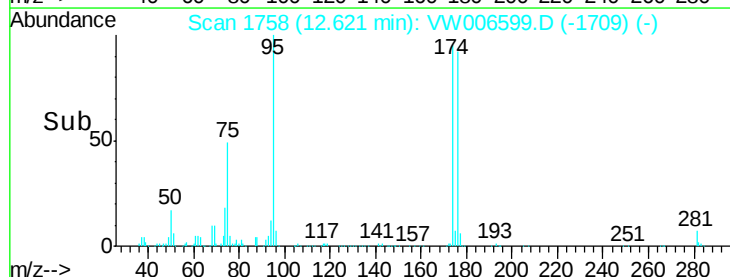
40000

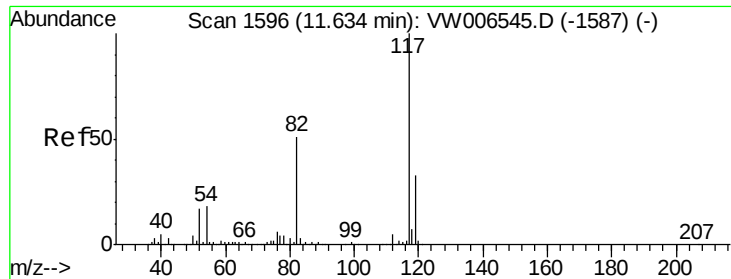
20000

0

12.60 12.70

Time-->

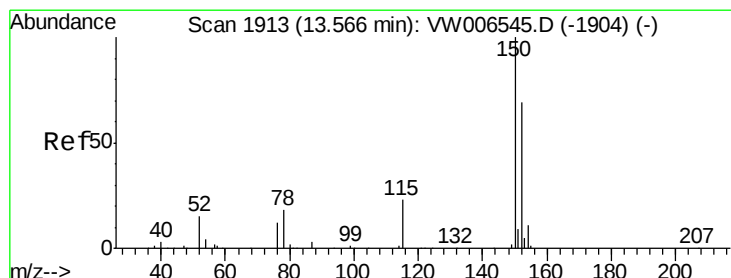
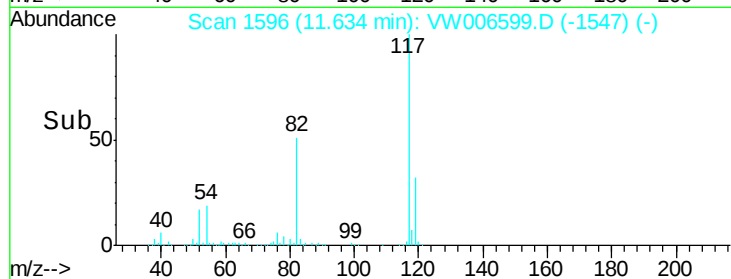
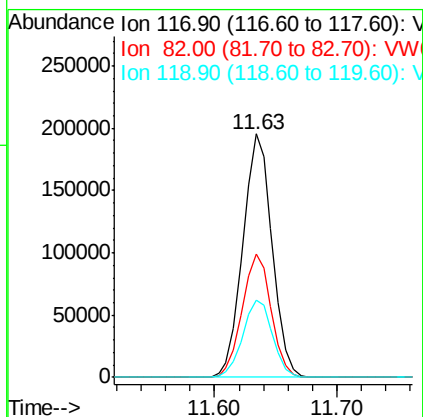
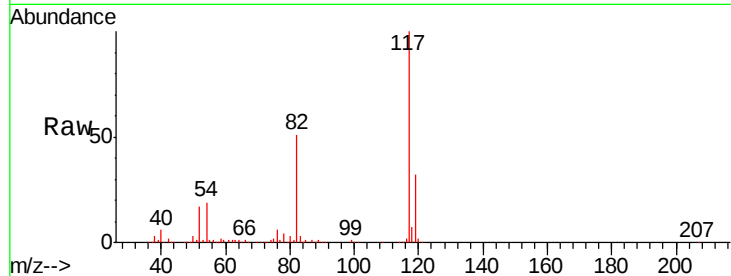




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

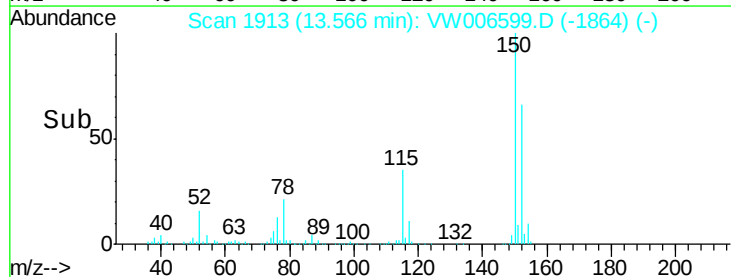
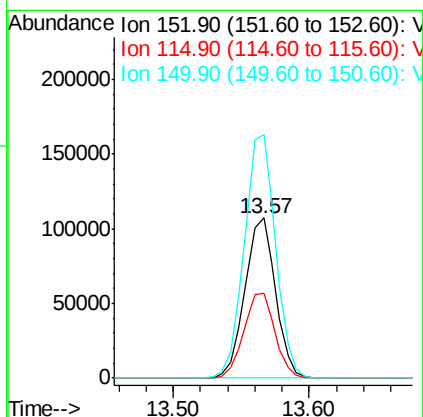
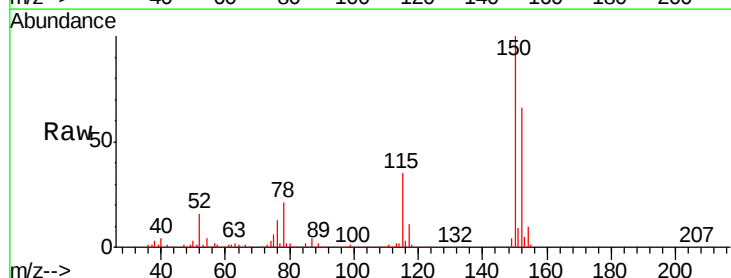
Instrument :
MSVOA_W
ClientSampled :
TP-8

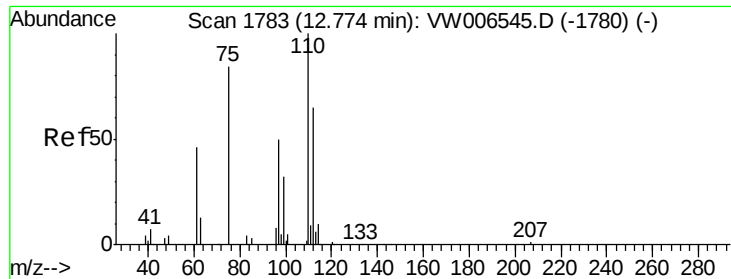
Tgt Ion:117 Resp: 323325
Ion Ratio Lower Upper
117 100
82 50.7 40.8 61.2
119 31.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006599.D
Acq: 02 Nov 2018 10:13

Tgt Ion:152 Resp: 169223
Ion Ratio Lower Upper
152 100
115 53.8 26.6 79.8
150 155.6 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 41.00 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Instrument :

MSVOA_W

ClientSampleId :

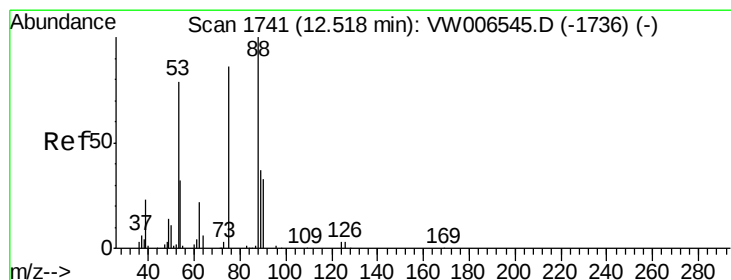
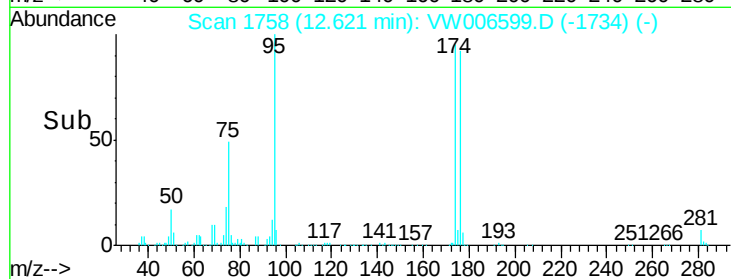
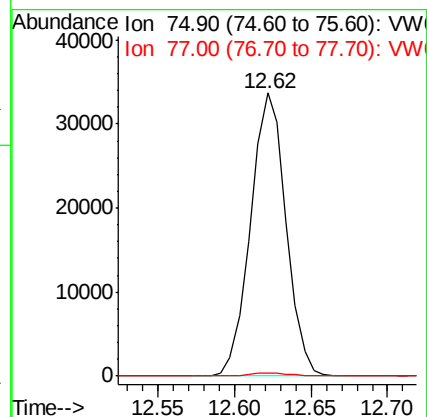
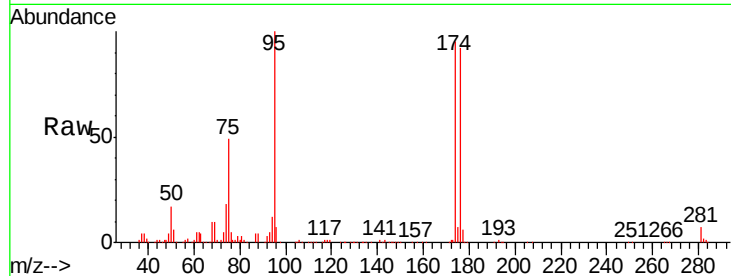
TP-8

Tgt Ion: 75 Resp: 54130

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.18 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006599.D

Acq: 02 Nov 2018 10:13

Tgt Ion: 75 Resp: 54130

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

