

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006598.D
 Acq On : 02 Nov 2018 09:47
 Operator : SY/AP
 Sample : J5759-21RE
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6RE

Quant Time: Nov 02 11:41:43 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	164654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	234393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47595	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	69683	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	7.89	113	69479	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	10.33	98	209361	37.39	ug/l	0.00
Spiked Amount			Recovery	=	74.78%	
62) 4-Bromofluorobenzene	12.62	95	42324	20.85	ug/l	0.00
Spiked Amount			Recovery	=	41.70%	

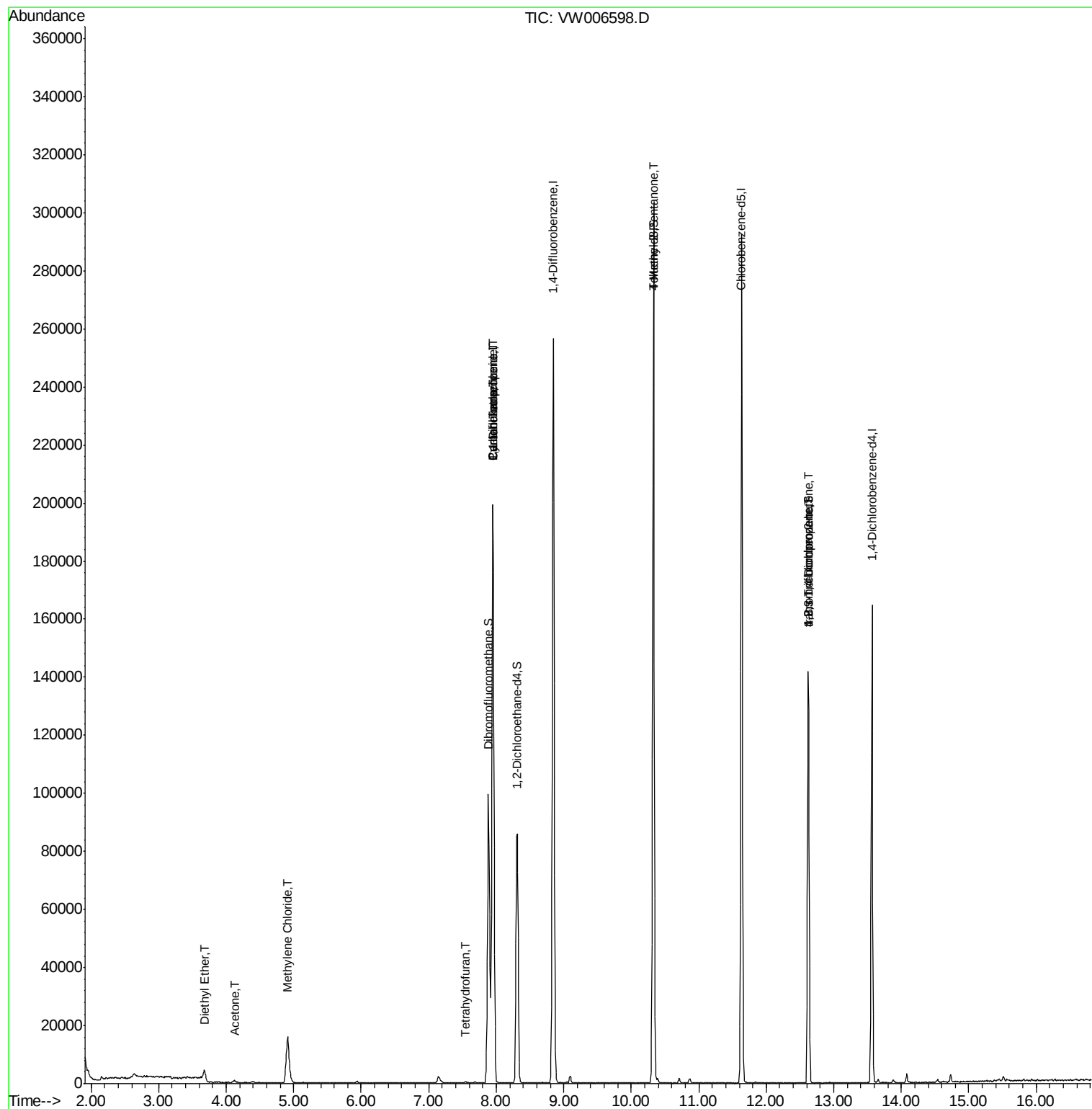
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2484	3.49	ug/l	95
16) Acetone	4.13	43	1545	6.76	ug/l #	85
20) Methylene Chloride	4.91	84	13208	3.35	ug/l #	88
29) Tetrahydrofuran	7.53	42	299	1.46	ug/l #	49
31) Cyclohexane	7.95	56	2756	1.22	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10010	4.86	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14365	6.67	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	857	1.17	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	20640	55.58	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	20640	138.94	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006598.D

Acq: 02 Nov 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

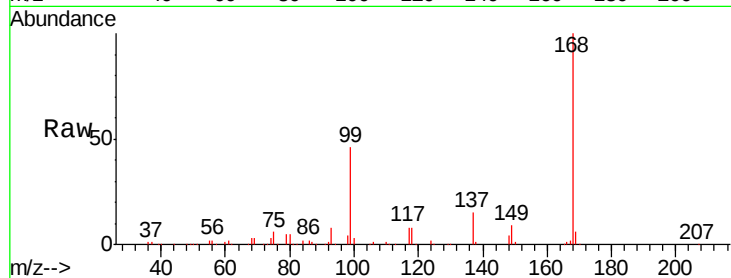
TP-6RE

Tgt Ion:168 Resp: 164654

Ion Ratio Lower Upper

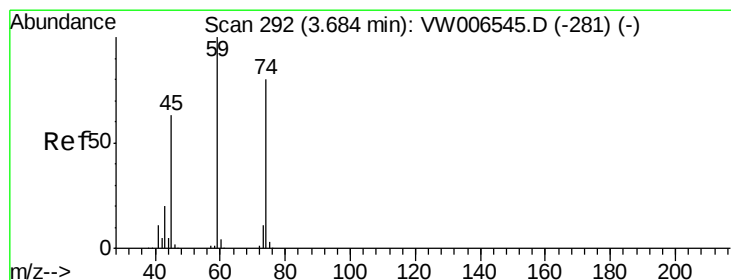
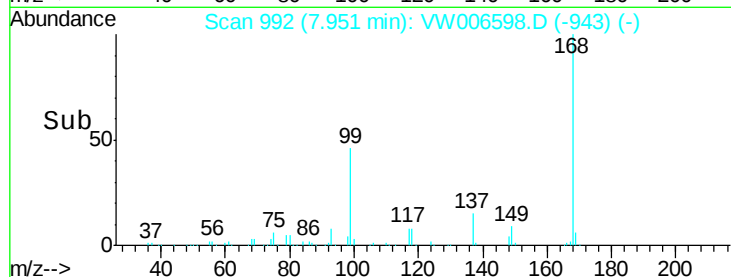
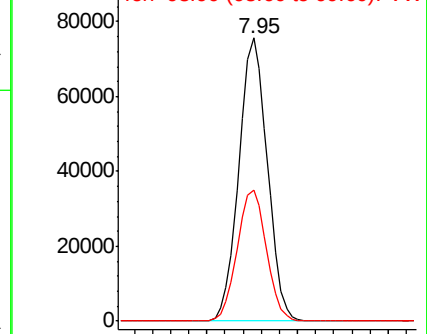
168 100

99 46.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.49 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006598.D

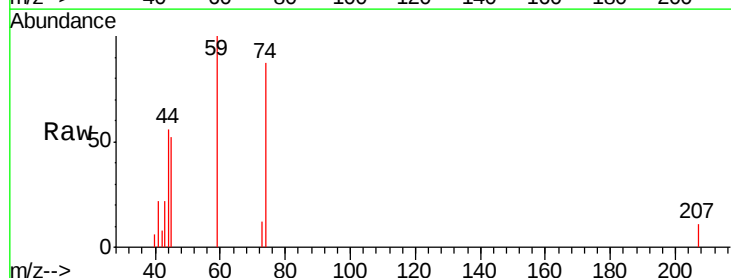
Acq: 02 Nov 2018 09:47

Tgt Ion: 74 Resp: 2484

Ion Ratio Lower Upper

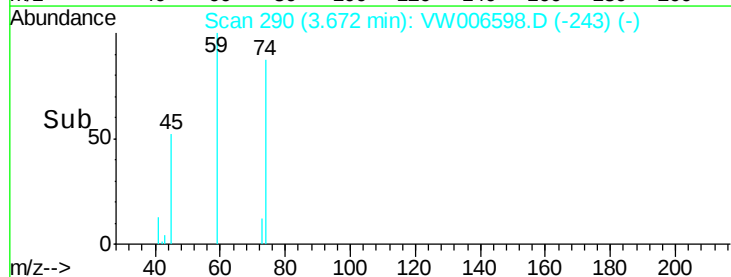
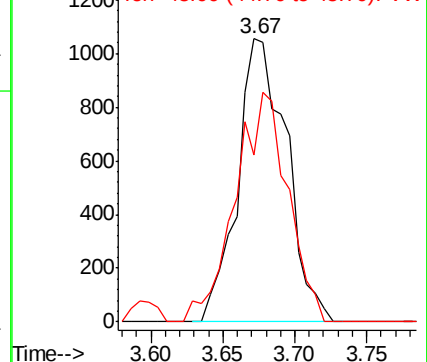
74 100

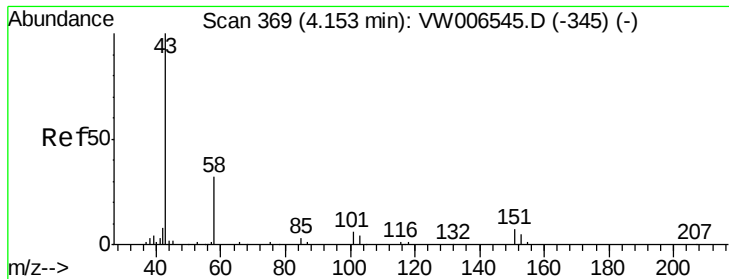
45 87.1 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

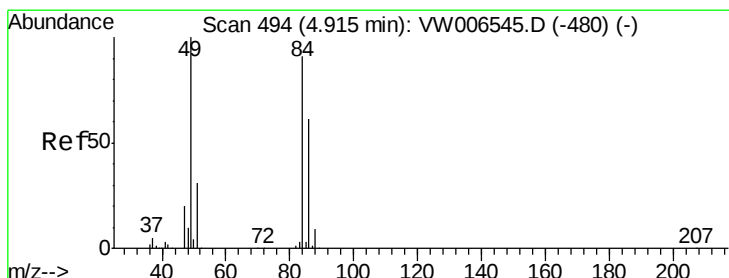
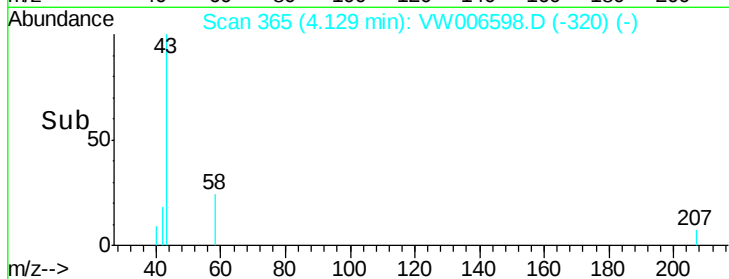
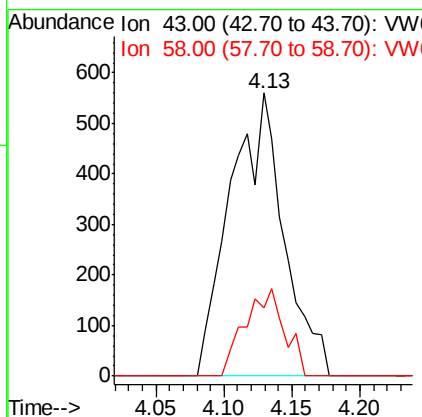
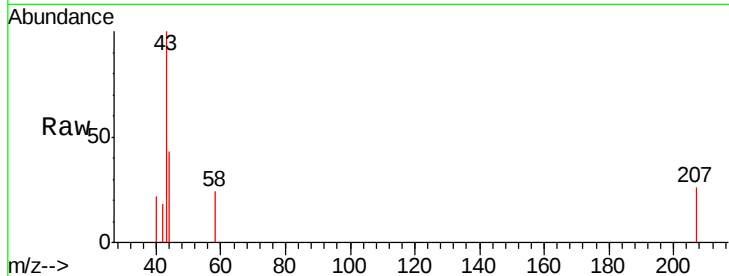




#16
Acetone
Concen: 6.76 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

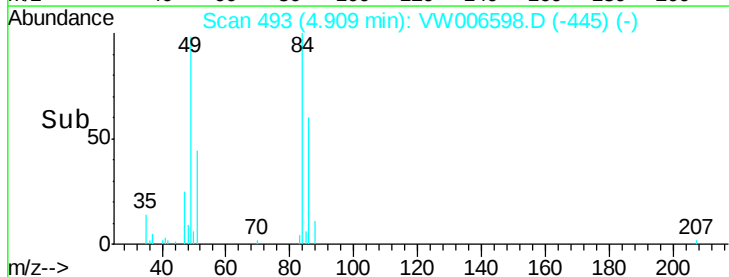
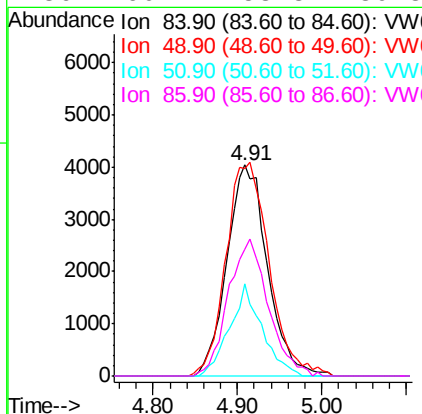
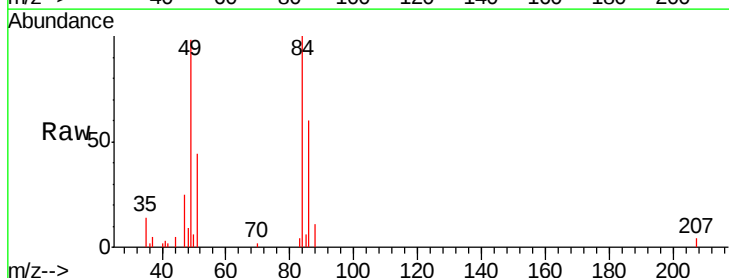
Instrument :
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TP-6RE

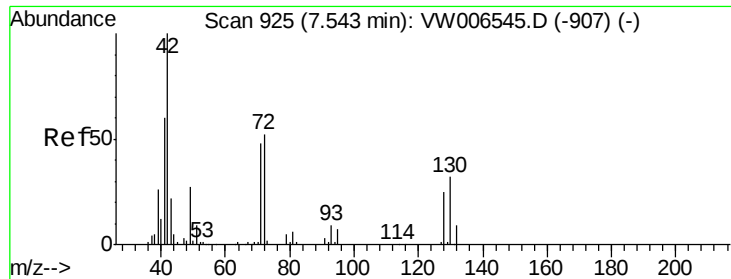
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 23.9 25.8 38.8#



#20
Methylene Chloride
Concen: 3.35 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

Tgt Ion: 84 Resp: 13208
Ion Ratio Lower Upper
84 100
49 98.3 88.2 132.4
51 43.7 27.0 40.6#
86 60.1 53.8 80.8

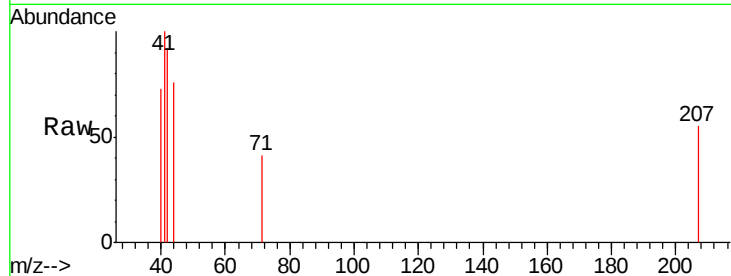




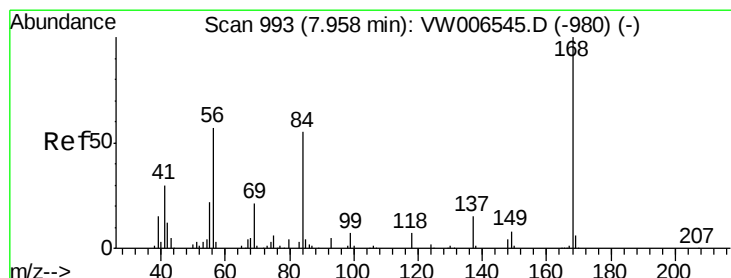
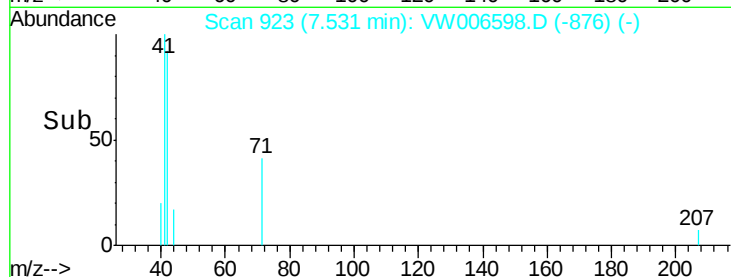
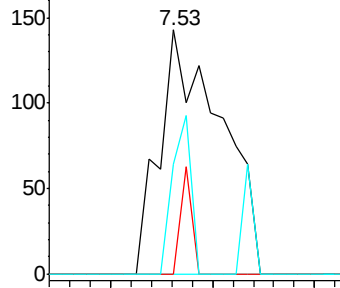
#29
Tetrahydrofuran
Concen: 1.46 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

Instrument :
MSVOA_W
ClientSampled :
TP-6RE

Tgt Ion: 42 Resp: 299
Ion Ratio Lower Upper
42 100
72 7.7 39.2 58.8#
71 19.1 37.6 56.4#

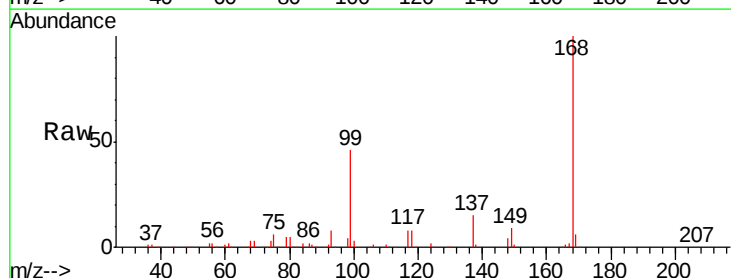


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

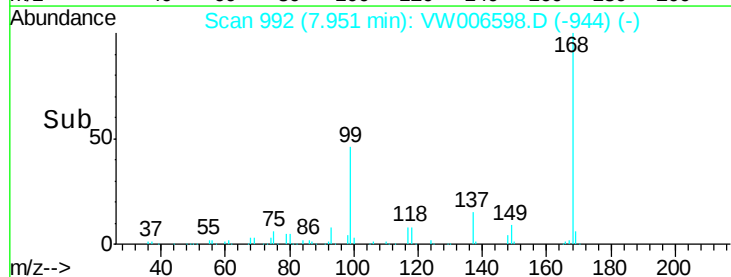
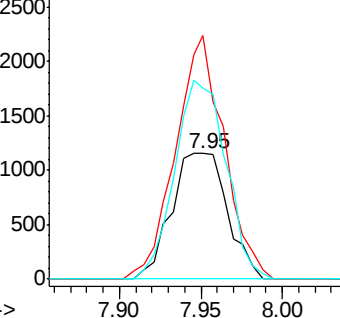


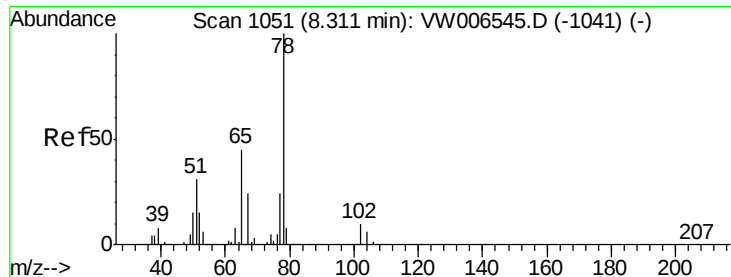
#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

Tgt Ion: 56 Resp: 2756
Ion Ratio Lower Upper
56 100
69 193.5 29.0 43.4#
84 152.3 77.8 116.6#



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

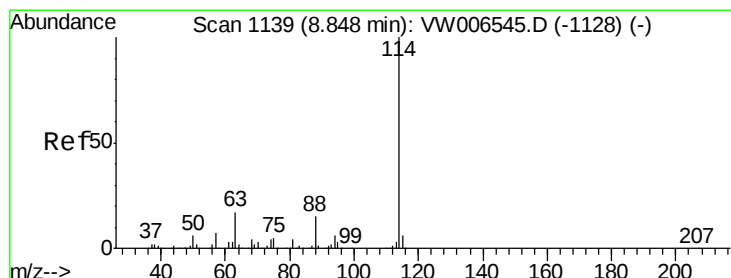
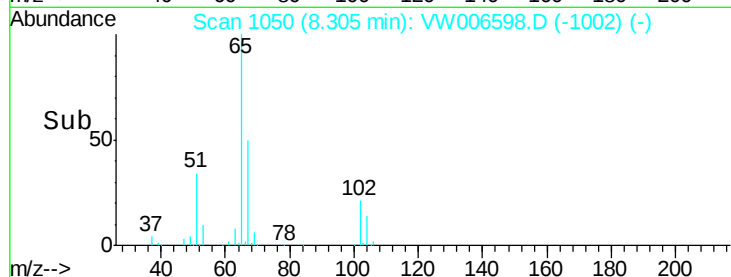
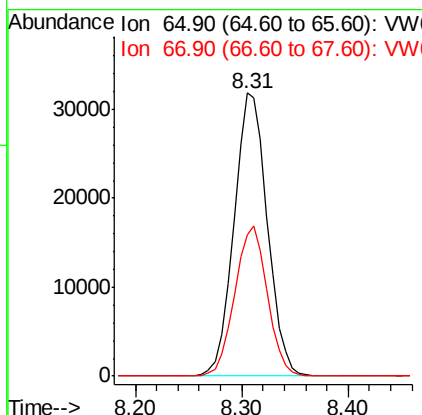
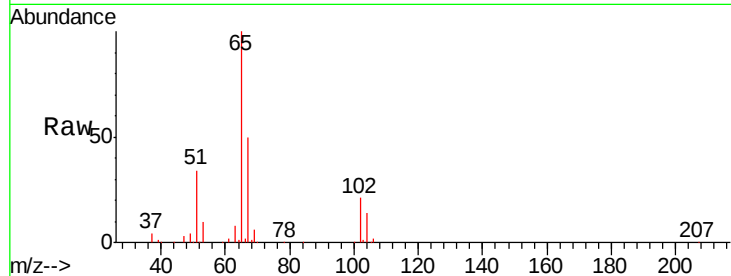




#33
 1,2-Dichloroethane-d4
 Concen: 49.23 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

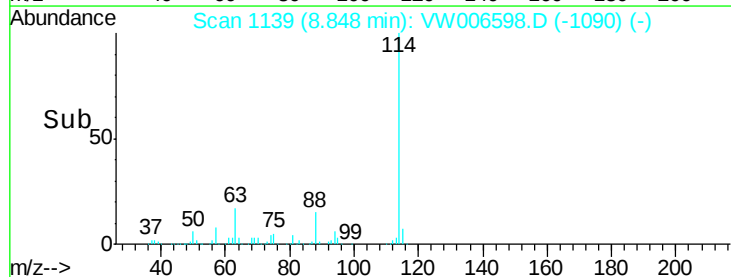
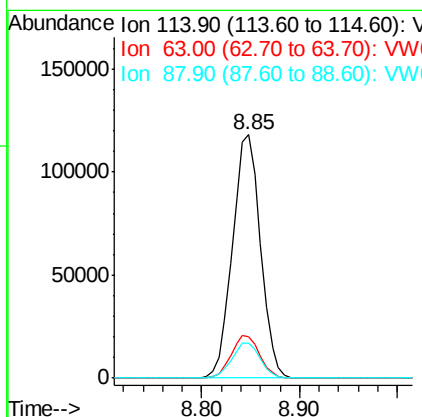
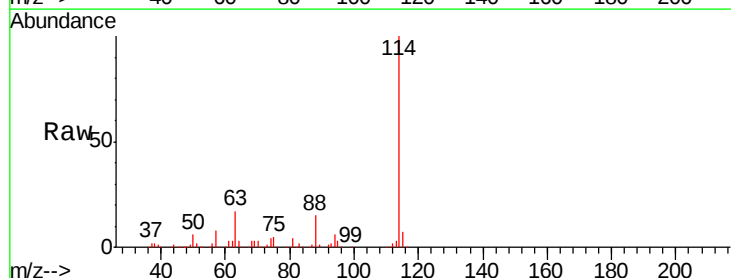
Instrument :
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 ClientSampled :
 TP-6RE

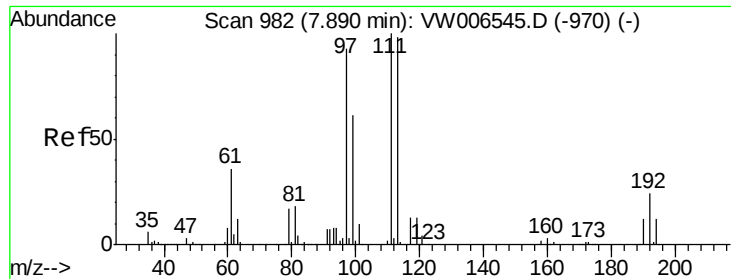
Tgt Ion: 65 Resp: 69683
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

Tgt Ion: 114 Resp: 234393
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 34.4
 88 14.6 0.0 29.0

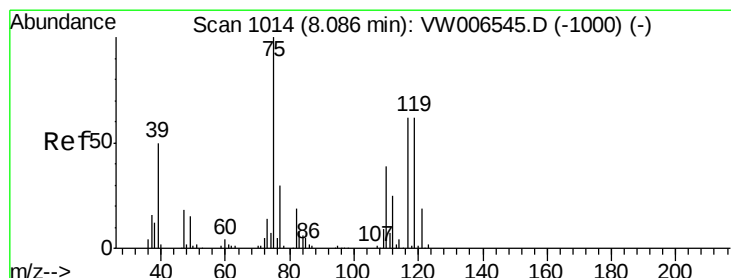
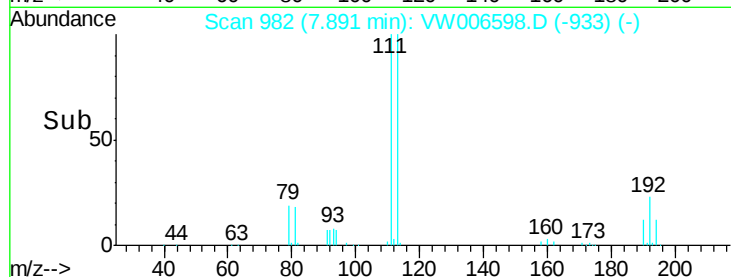
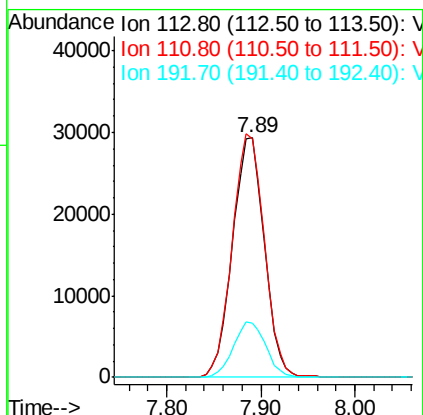
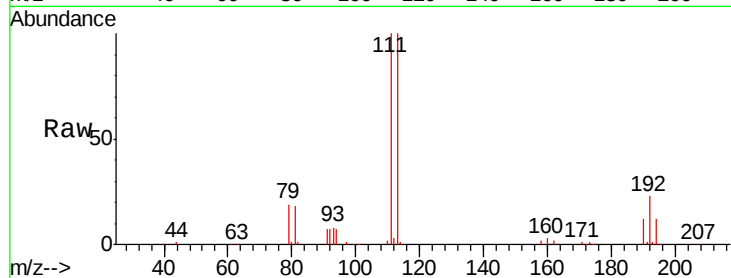




#35
 Dibromofluoromethane
 Concen: 47.23 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

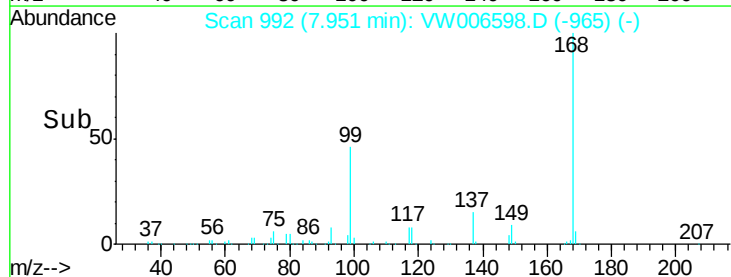
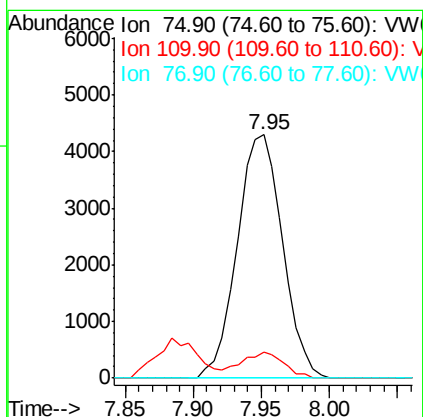
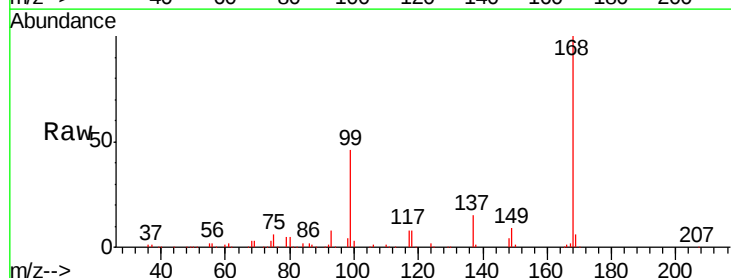
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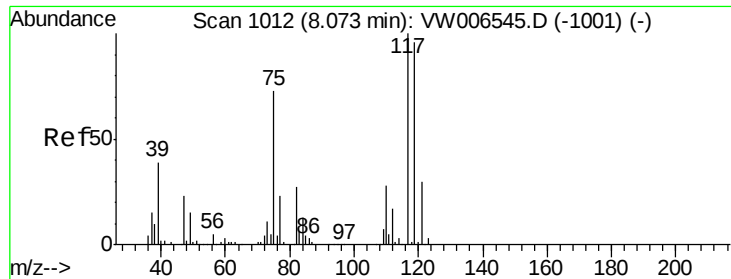
Tgt Ion:113 Resp: 69479
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.2
 192 23.3 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

Tgt Ion: 75 Resp: 10010
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.67 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006598.D

Acq: 02 Nov 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

TP-6RE

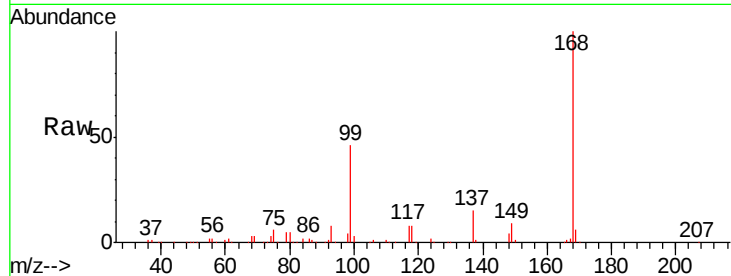
Tgt Ion:117 Resp: 14365

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

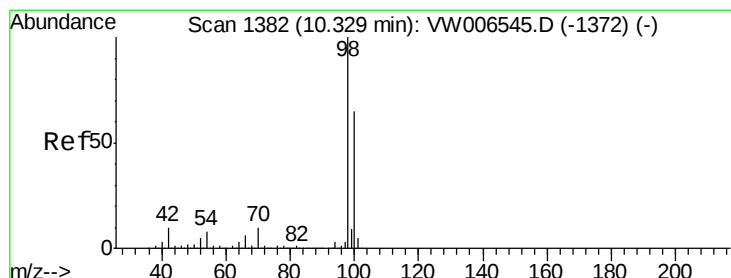
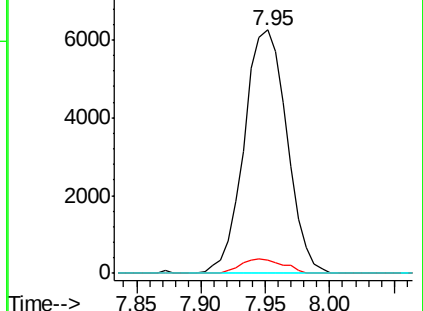
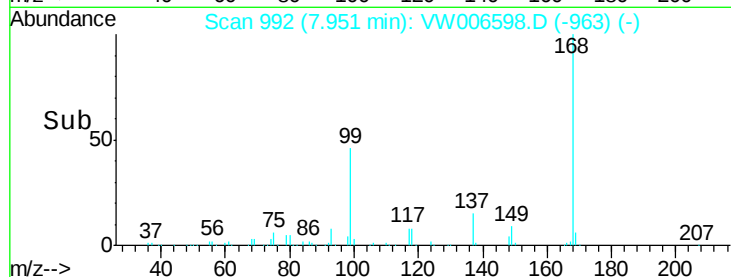
121 0.0 24.1 36.1#



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: 37.39 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006598.D

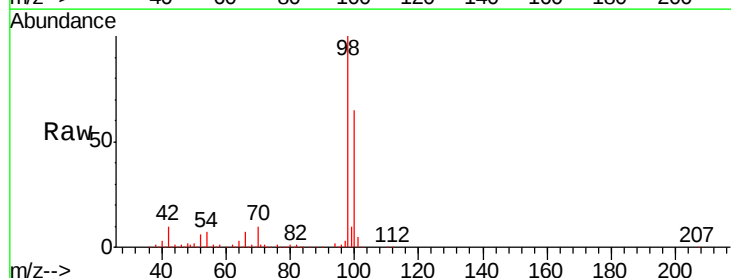
Acq: 02 Nov 2018 09:47

Tgt Ion: 98 Resp: 209361

Ion Ratio Lower Upper

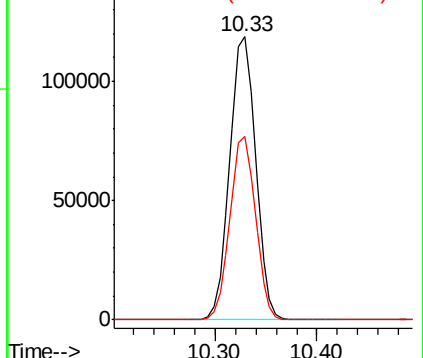
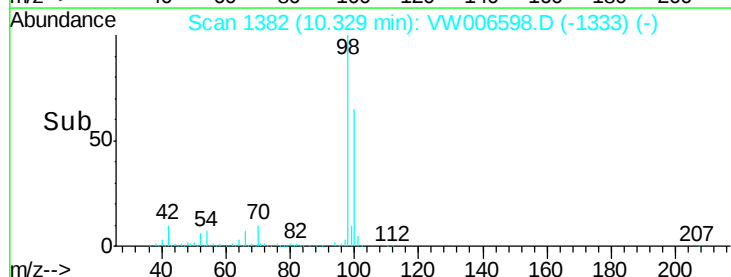
98 100

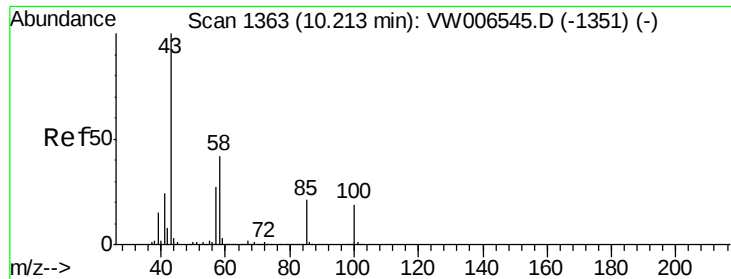
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

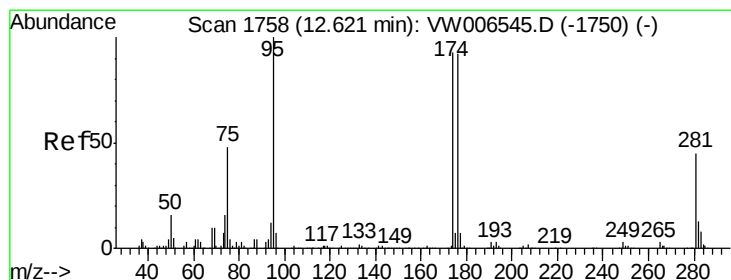
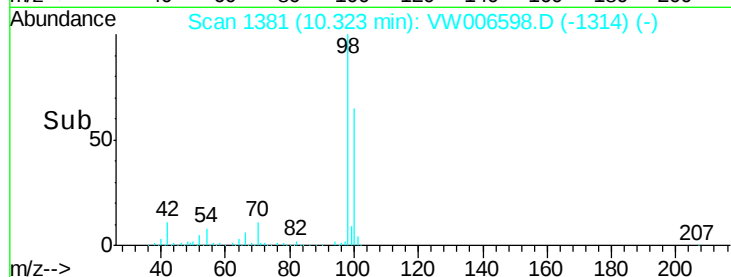
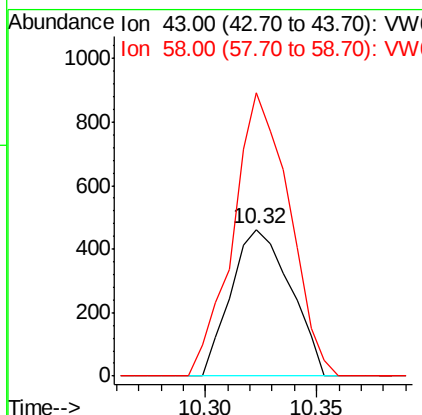
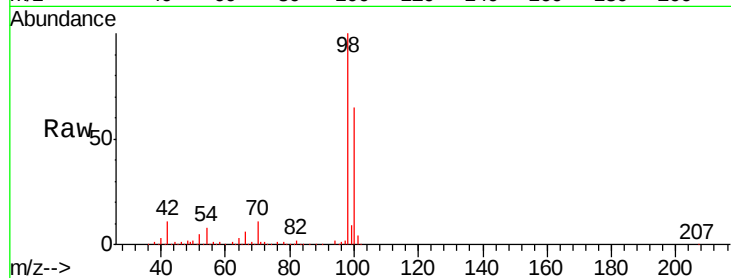




#51
 4-Methyl-2-Pentanone
 Concen: 1.17 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.11 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

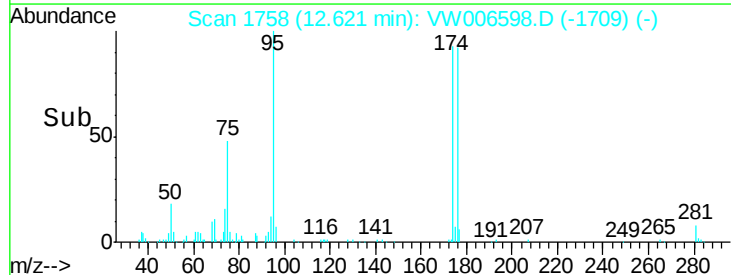
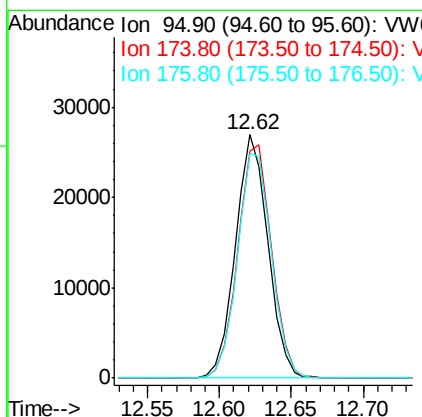
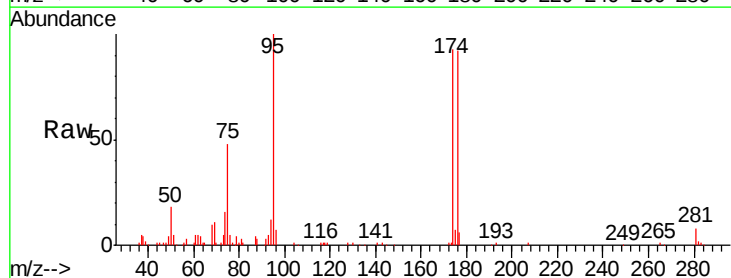
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 TP-6RE

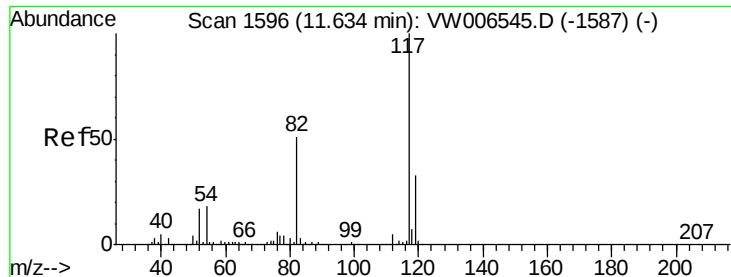
Tgt Ion: 43 Resp: 857
 Ion Ratio Lower Upper
 43 100
 58 183.5 33.4 50.0#



#62
 4-Bromofluorobenzene
 Concen: 20.85 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006598.D
 Acq: 02 Nov 2018 09:47

Tgt Ion: 95 Resp: 42324
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 192.4
 176 96.2 0.0 187.4

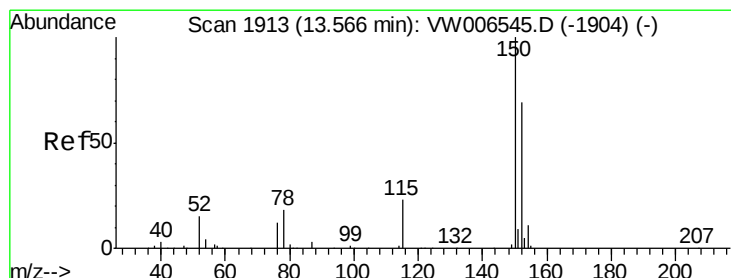
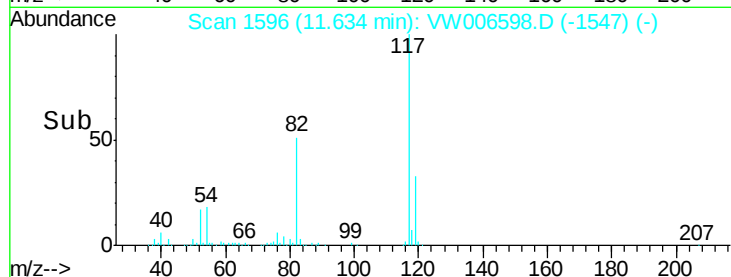
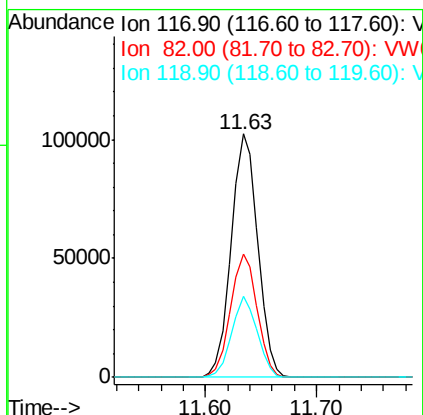
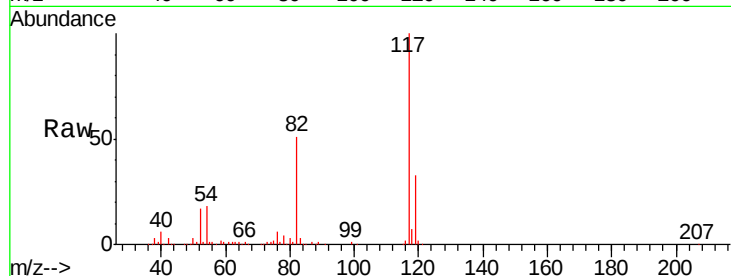




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

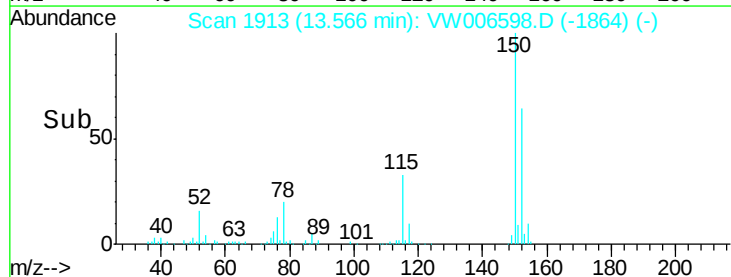
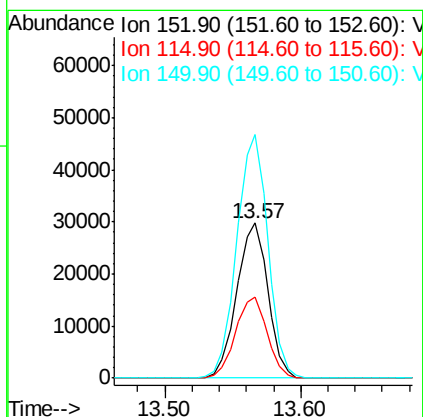
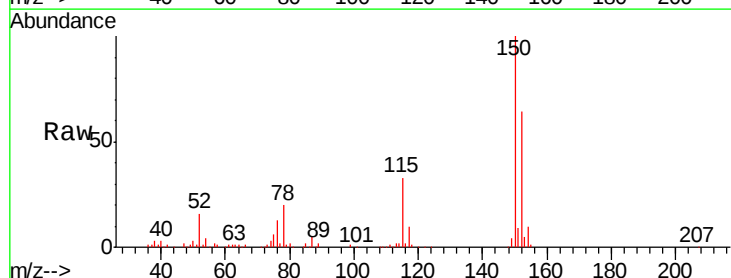
Instrument :
MSVOA_W
ClientSampled :
TP-6RE

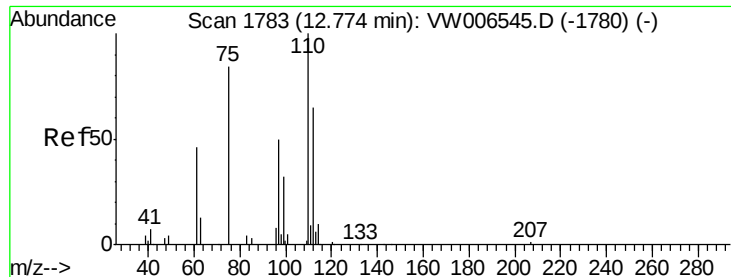
Tgt Ion:117 Resp: 169160
Ion Ratio Lower Upper
117 100
82 50.7 40.8 61.2
119 33.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006598.D
Acq: 02 Nov 2018 09:47

Tgt Ion:152 Resp: 47595
Ion Ratio Lower Upper
152 100
115 52.6 26.6 79.8
150 156.4 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 55.58 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006598.D

Acq: 02 Nov 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

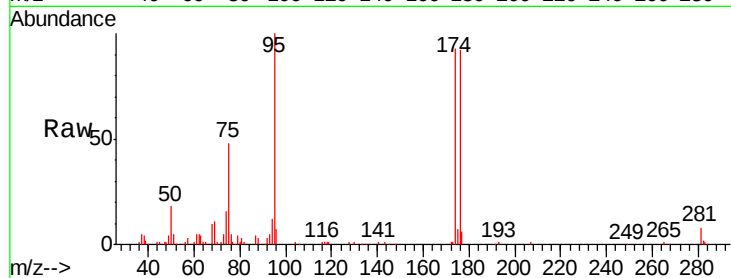
TP-6RE

Tgt Ion: 75 Resp: 20640

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

15000

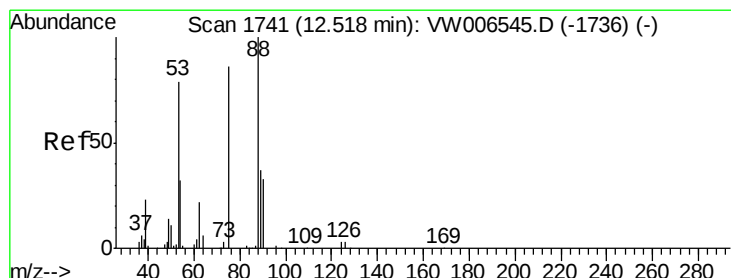
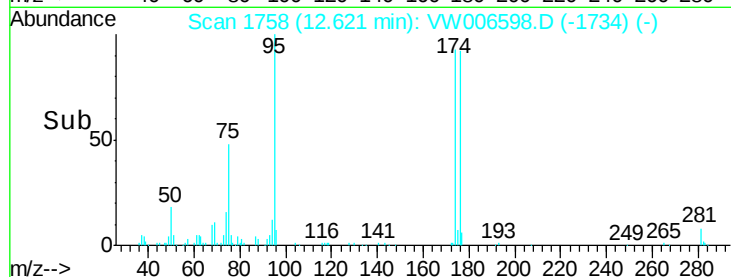
10000

5000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 138.94 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006598.D

Acq: 02 Nov 2018 09:47

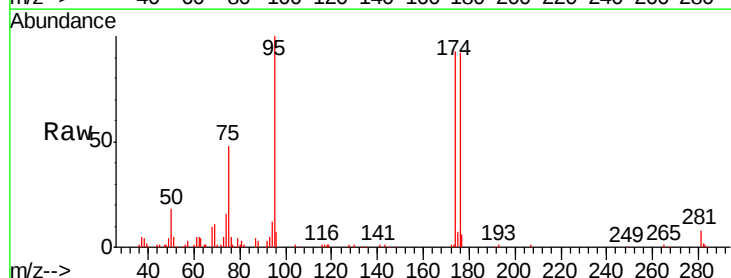
Tgt Ion: 75 Resp: 20640

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#



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

12.62

15000

10000

5000

0

Time-->

12.55 12.60 12.65 12.70

