

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
 Data File : VW006595.D
 Acq On : 02 Nov 2018 08:29
 Operator : SY/AP
 Sample : J5759-09RE
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

Quant Time: Nov 02 11:41:09 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	163770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	247855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72306	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.88	113	71105	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
50) Toluene-d8	10.33	98	229314	38.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.46%	
62) 4-Bromofluorobenzene	12.62	95	66337	30.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.80%	

Target Compounds

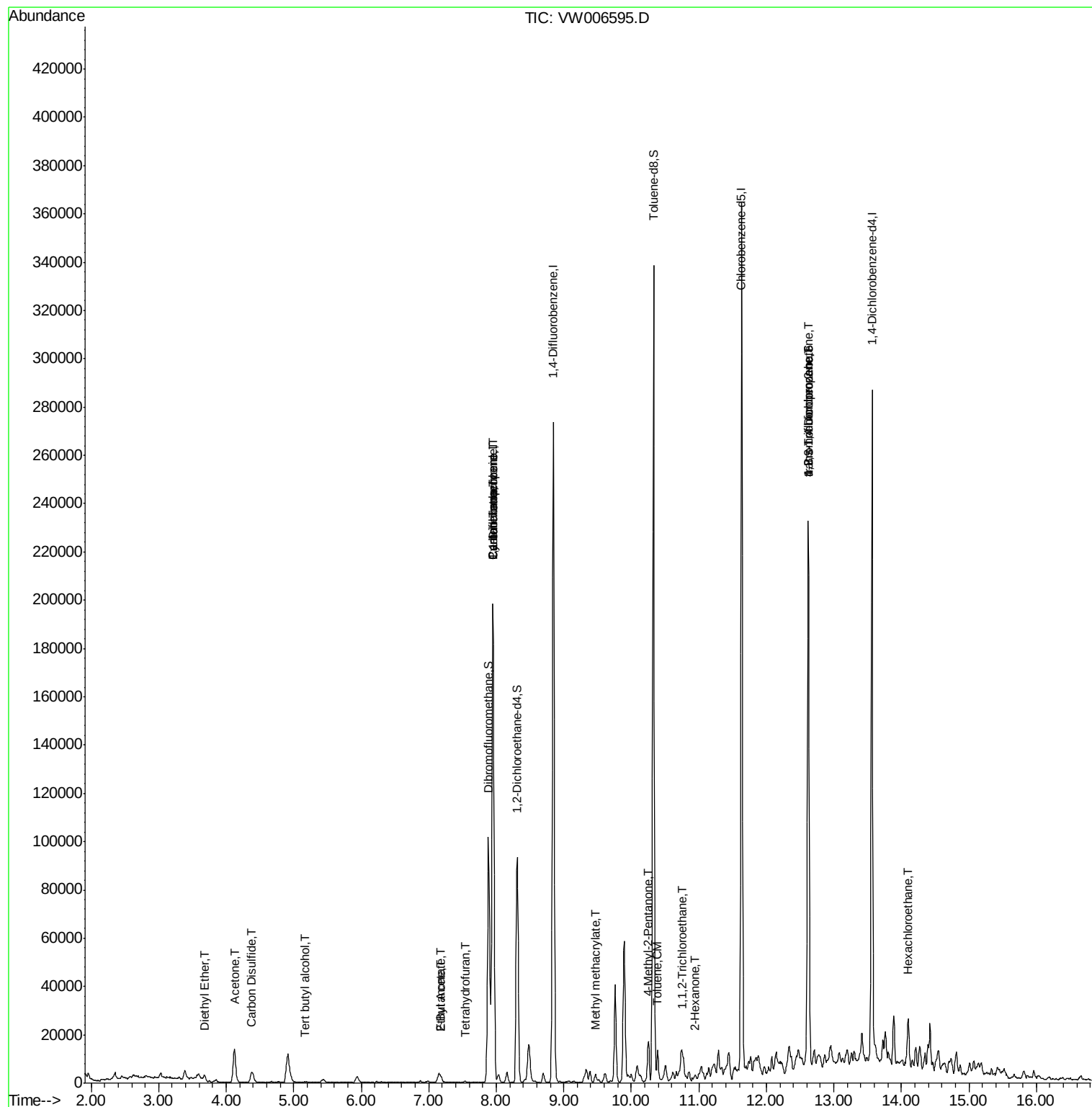
						Qvalue
8) Diethyl Ether	3.68	74	1604	2.27	ug/l	96
11) Tert butyl alcohol	5.17	59	359	4.73	ug/l #	84
16) Acetone	4.12	43	23952	105.38	ug/l	96
17) Carbon Disulfide	4.37	76	6582	1.73	ug/l	97
25) 2-Butanone	7.18	43	2885	8.90	ug/l #	84
29) Tetrahydrofuran	7.55	42	262	1.28	ug/l #	35
31) Cyclohexane	7.95	56	3422	1.53	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	10471	4.80	ug/l #	48
37) Ethyl Acetate	7.18	43	2885	3.82	ug/l #	66
38) Carbon Tetrachloride	7.95	117	14447	6.34	ug/l #	16
48) Methyl methacrylate	9.47	41	1082	1.49	ug/l #	20
51) 4-Methyl-2-Pentanone	10.25	43	1725	2.23	ug/l #	74
52) Toluene	10.39	92	5540	1.33	ug/l	97
55) 1,1,2-Trichloroethane	10.76	97	1566	1.30	ug/l #	32
59) 2-Hexanone	10.94	43	1179	2.24	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	32394	50.64	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32394	126.83	ug/l #	11
90) Hexachloroethane	14.11	117	951	1.12	ug/l #	3

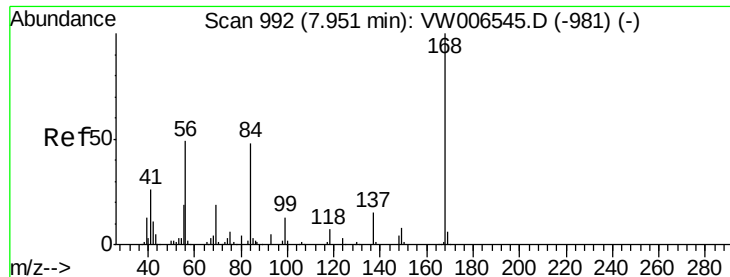
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110318\
Data File : VW006595.D
Acq On : 02 Nov 2018 08:29
Operator : SY/AP
Sample : J5759-09RE
Misc : 5.94G/5ML/MSVOA_W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleID :
TP-3RE

Quant Time: Nov 02 11:41:09 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: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

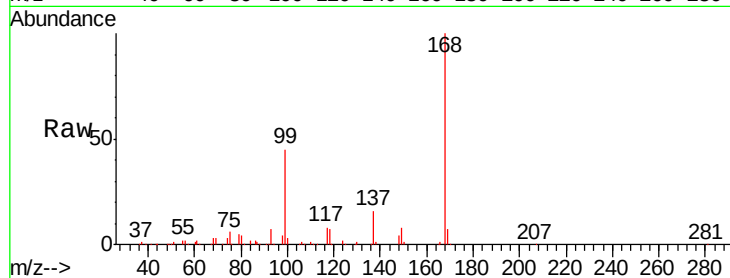
TP-3RE

Tgt Ion:168 Resp: 163770

Ion Ratio Lower Upper

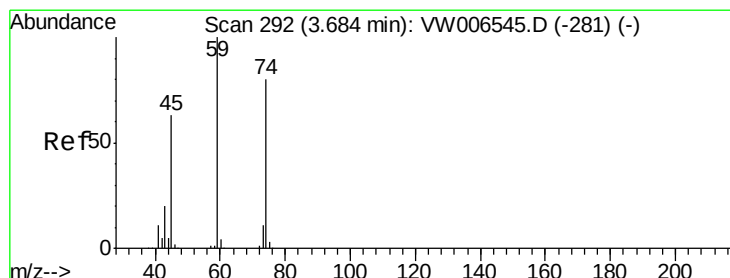
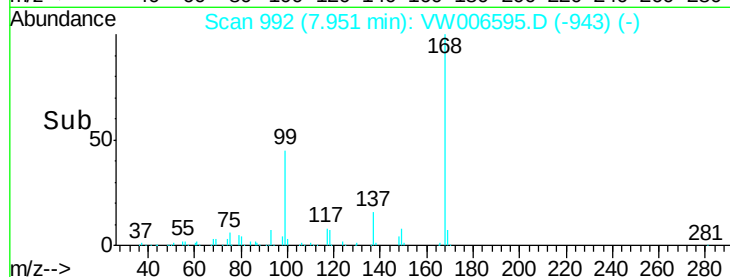
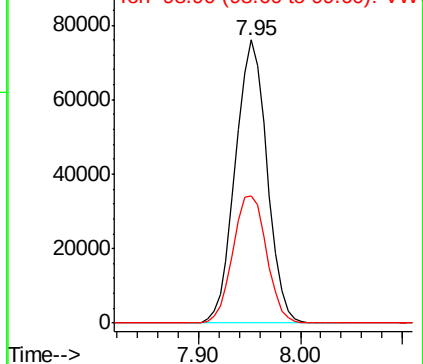
168 100

99 45.1 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: 2.27 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006595.D

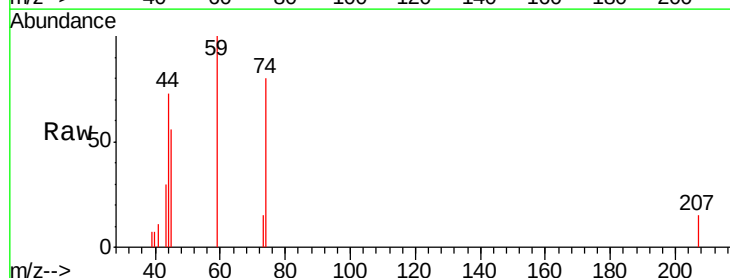
Acq: 02 Nov 2018 08:29

Tgt Ion: 74 Resp: 1604

Ion Ratio Lower Upper

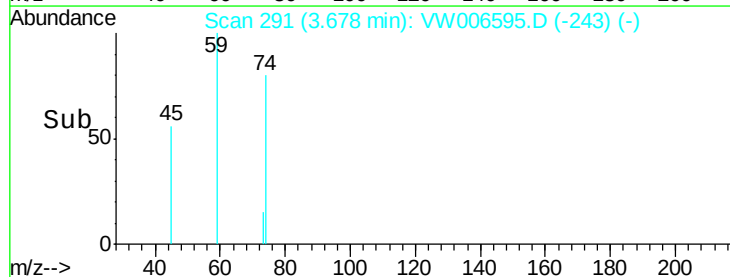
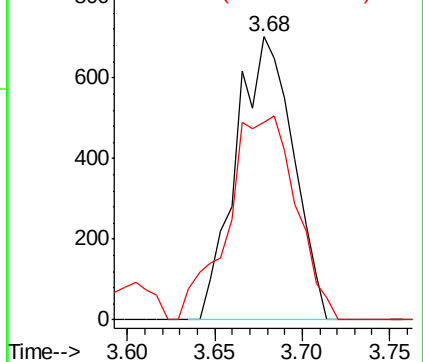
74 100

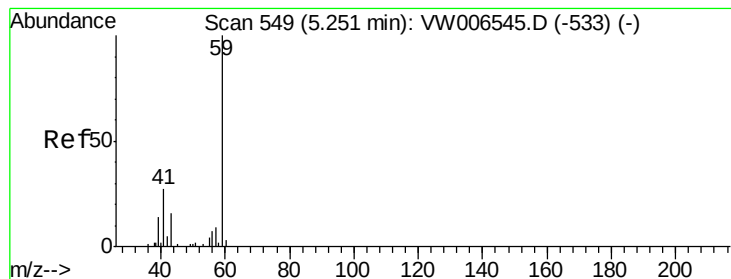
45 86.0 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 4.73 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.08 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

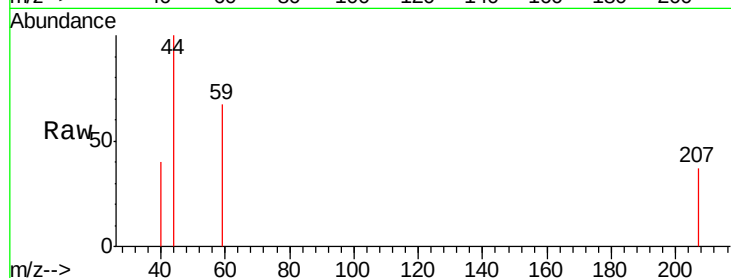
TP-3RE

Tgt Ion: 59 Resp: 359

Ion Ratio Lower Upper

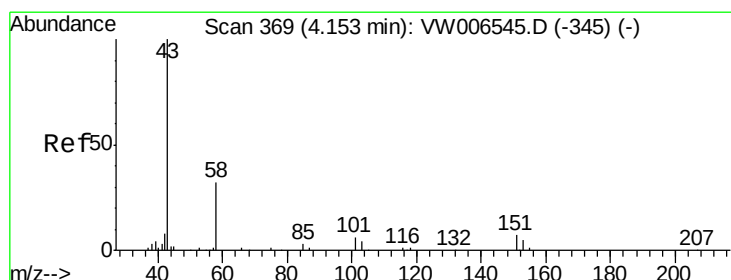
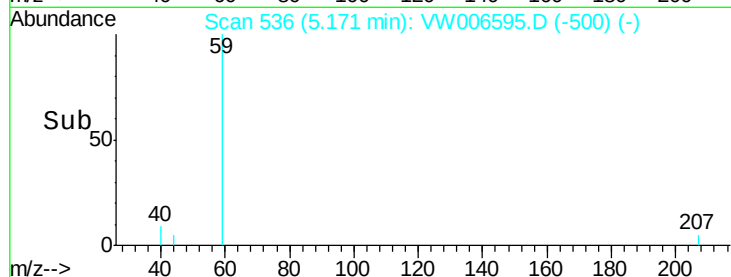
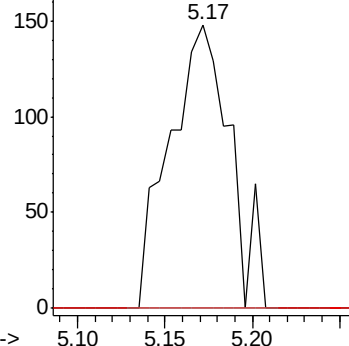
59 100

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



#16

Acetone

Concen: 105.38 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006595.D

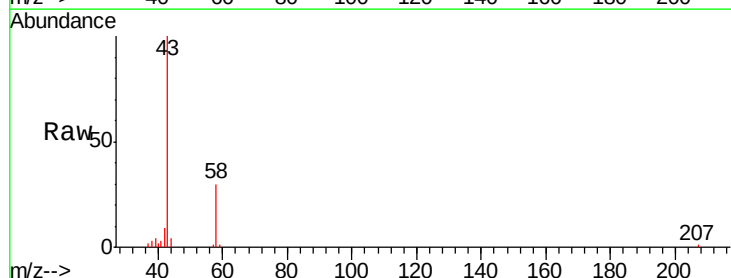
Acq: 02 Nov 2018 08:29

Tgt Ion: 43 Resp: 23952

Ion Ratio Lower Upper

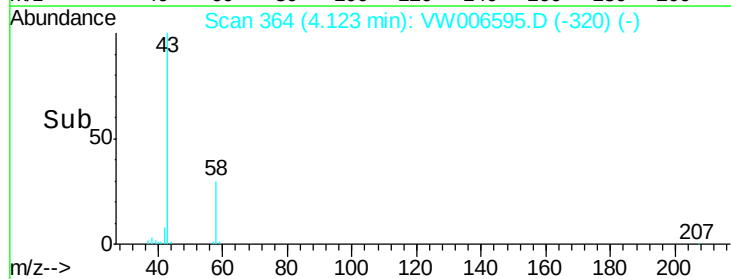
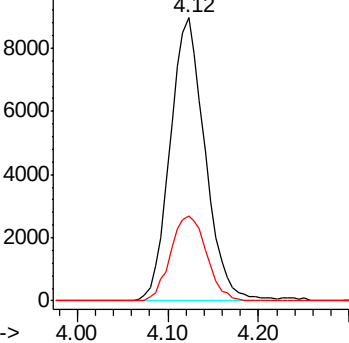
43 100

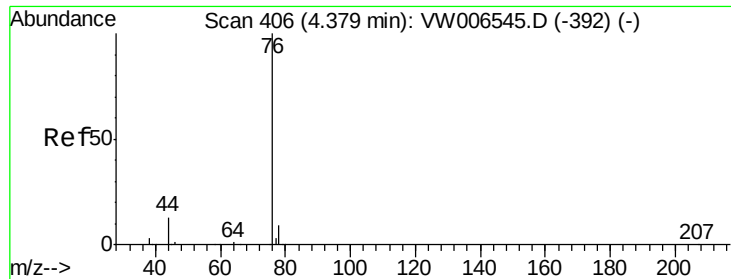
58 30.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.73 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

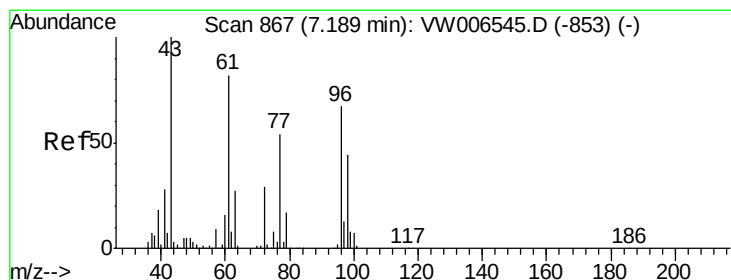
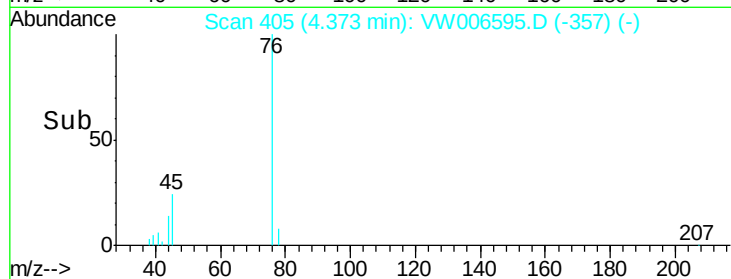
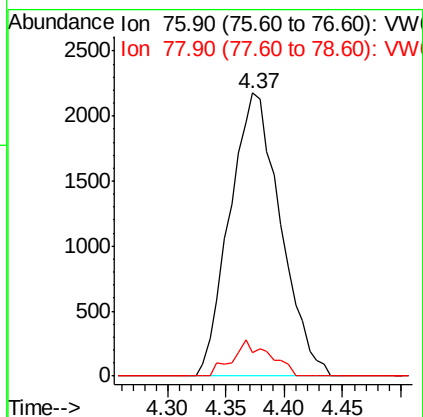
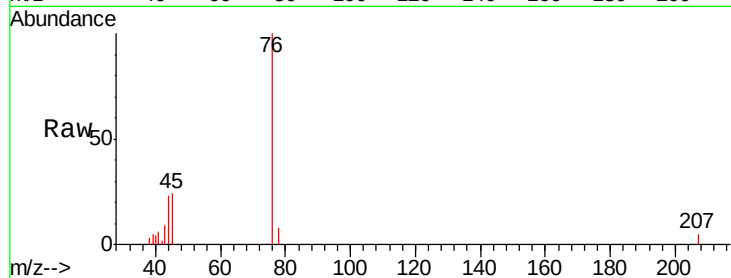
TP-3RE

Tgt Ion: 76 Resp: 6582

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9



#25

2-Butanone

Concen: 8.90 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006595.D

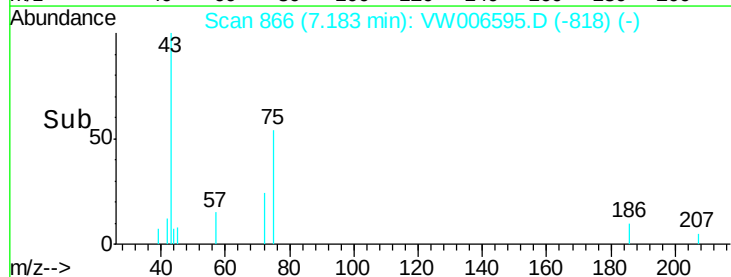
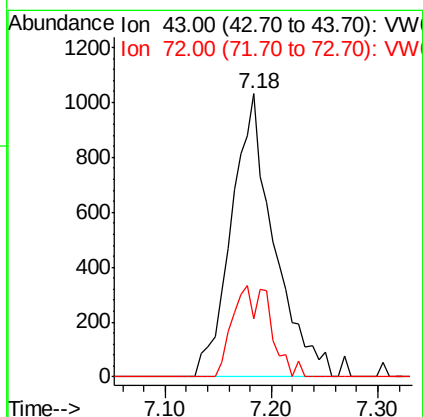
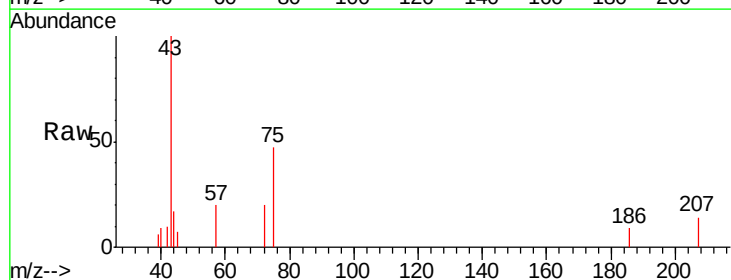
Acq: 02 Nov 2018 08:29

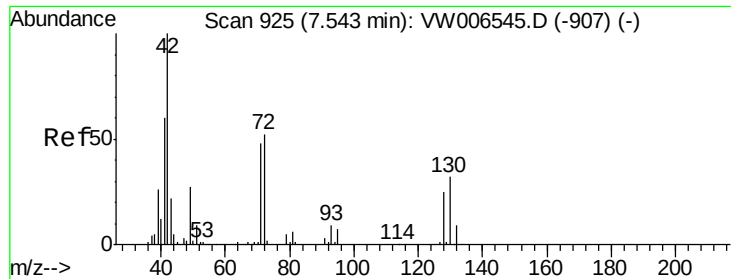
Tgt Ion: 43 Resp: 2885

Ion Ratio Lower Upper

43 100

72 20.4 23.2 34.8#

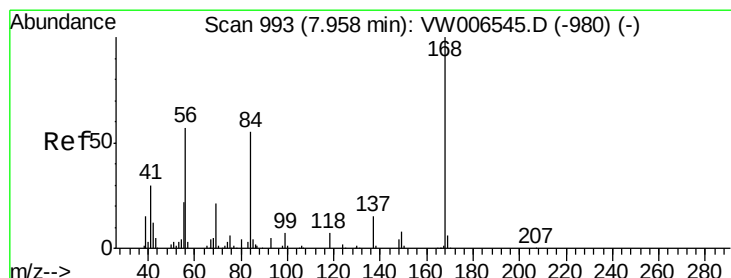
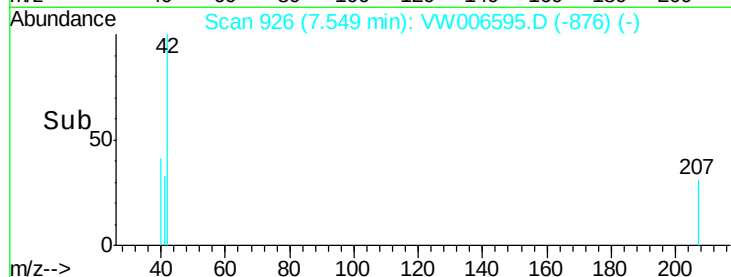
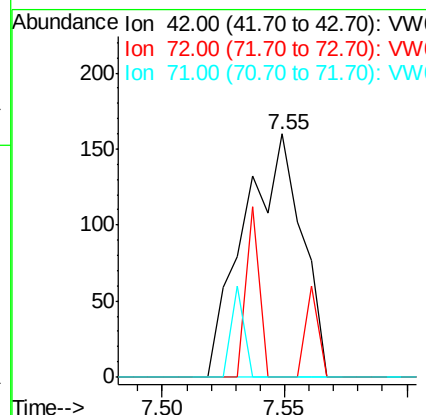
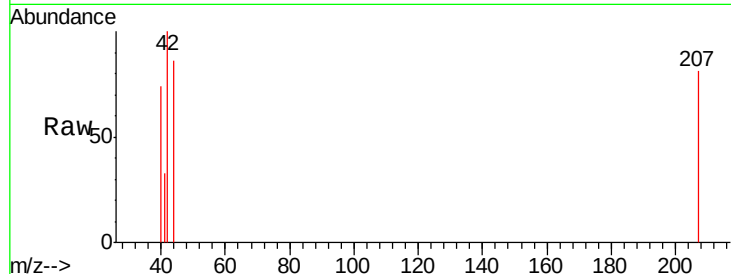




#29
Tetrahydrofuran
Concen: 1.28 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

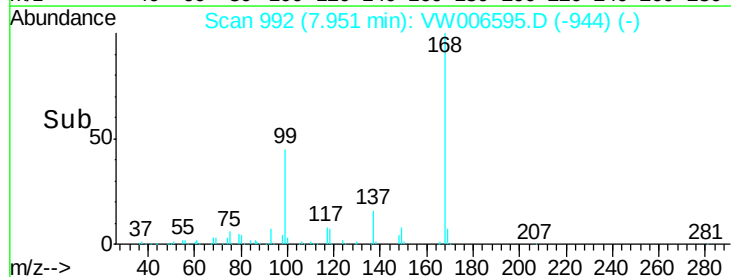
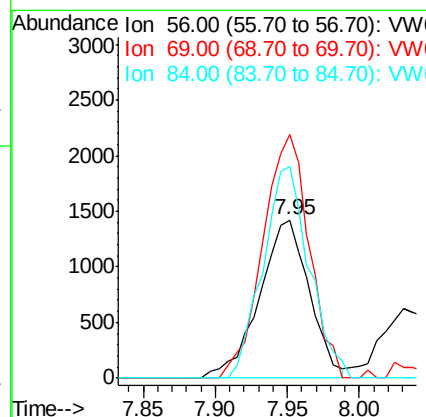
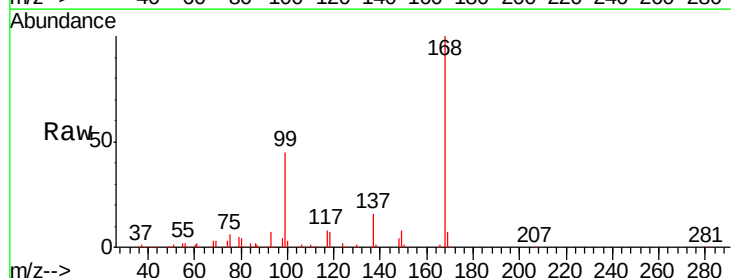
Instrument :
MSVOA_W
ClientSampleId :
TP-3RE

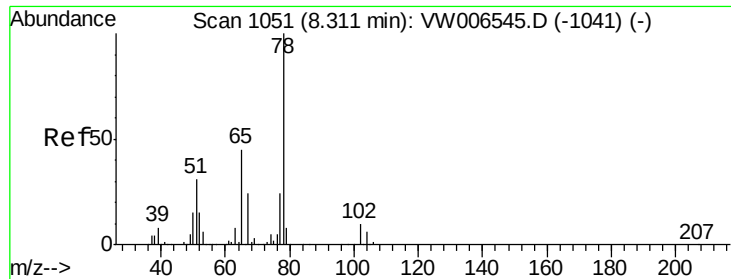
Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 8.4 39.2 58.8#
71 0.0 37.6 56.4#



#31
Cyclohexane
Concen: 1.53 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

Tgt Ion: 56 Resp: 3422
Ion Ratio Lower Upper
56 100
69 153.7 29.0 43.4#
84 133.4 77.8 116.6#

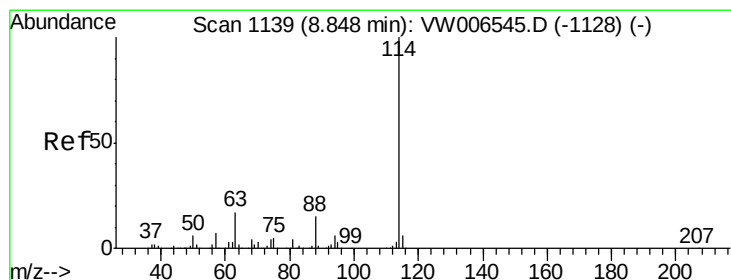
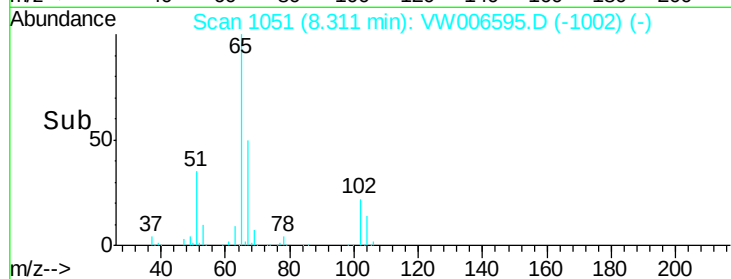
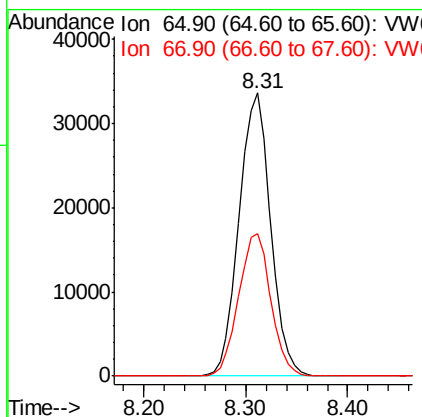
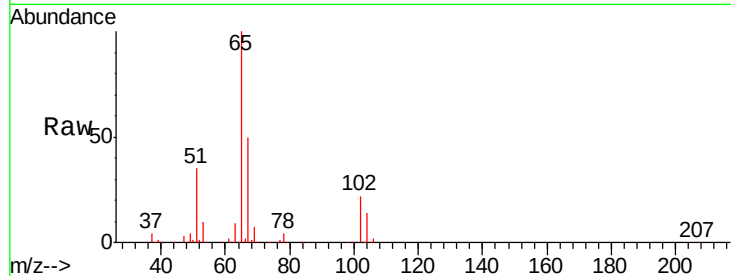




#33
 1,2-Dichloroethane-d4
 Concen: 51.36 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006595.D
 Acq: 02 Nov 2018 08:29

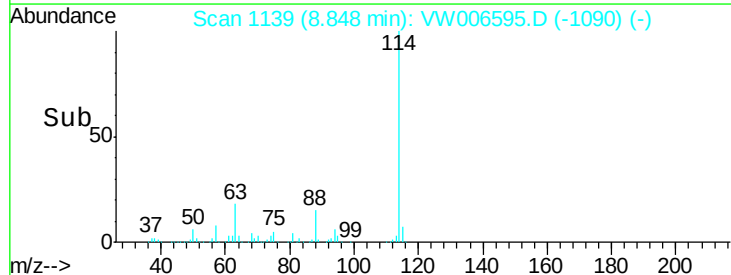
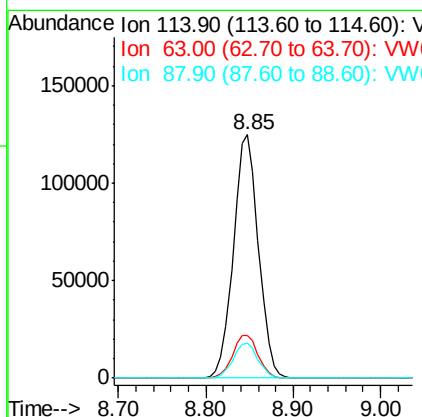
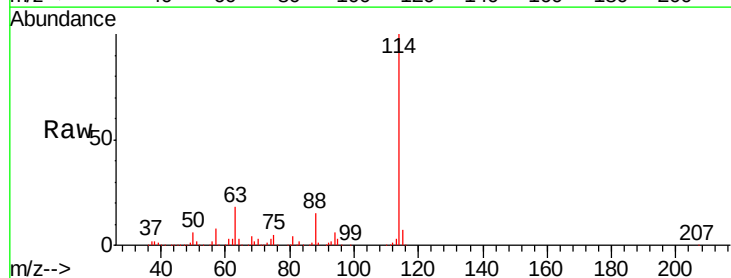
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

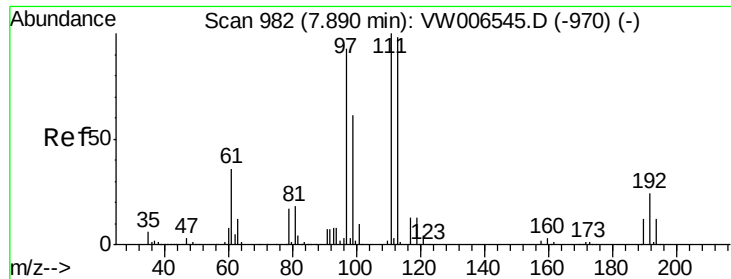
Tgt Ion: 65 Resp: 72306
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006595.D
 Acq: 02 Nov 2018 08:29

Tgt Ion: 114 Resp: 247855
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.71 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

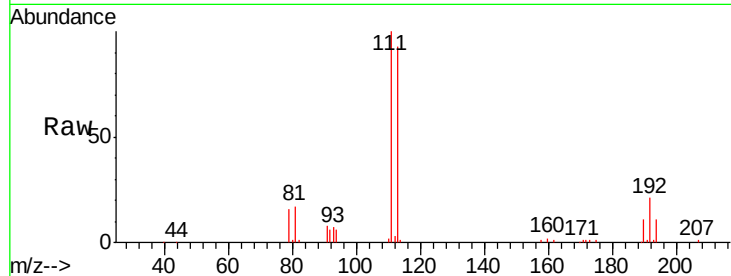
Tgt Ion:113 Resp: 71105

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

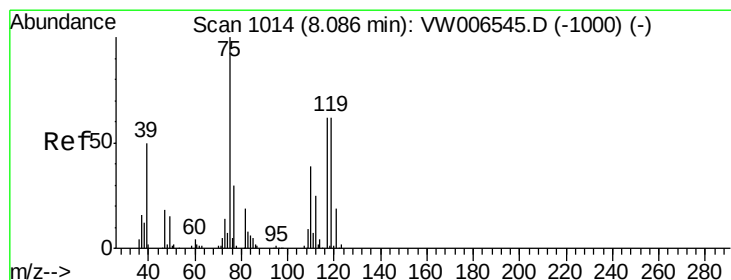
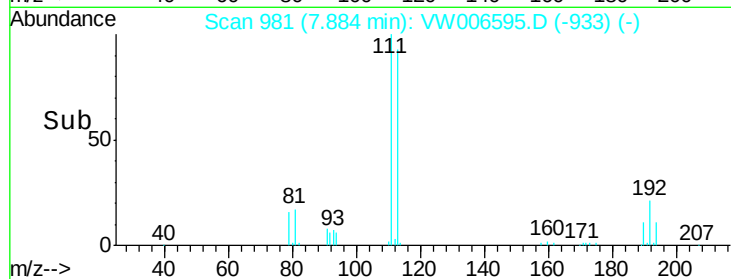
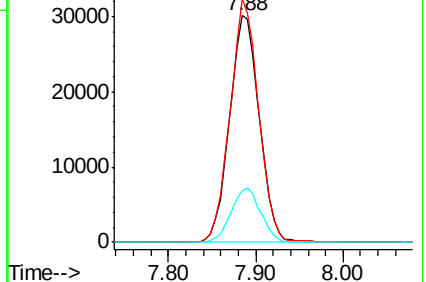
192 23.9 19.0 28.6



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: 4.80 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

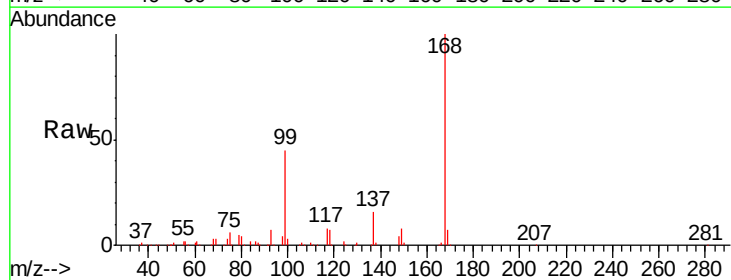
Tgt Ion: 75 Resp: 10471

Ion Ratio Lower Upper

75 100

110 9.4 19.5 58.5#

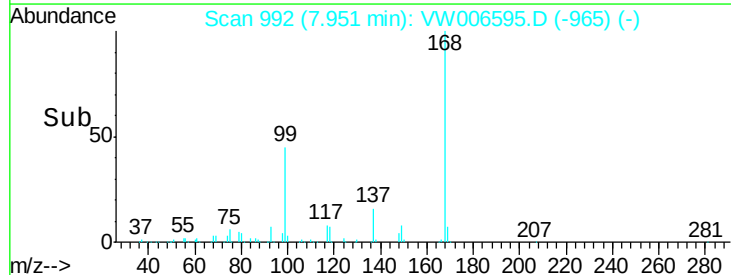
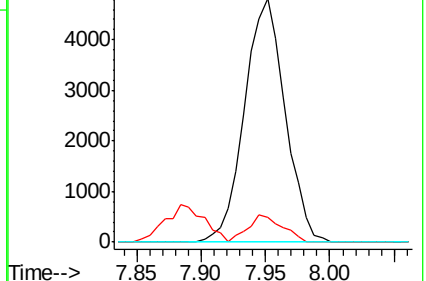
77 0.0 24.6 37.0#

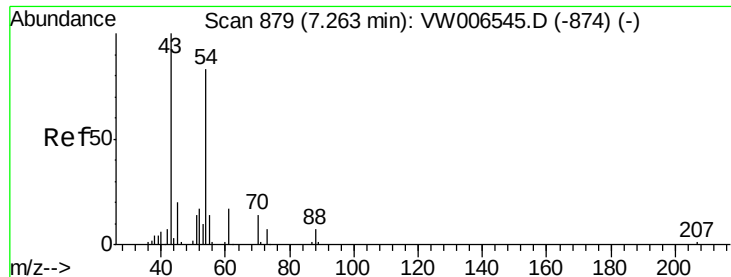


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

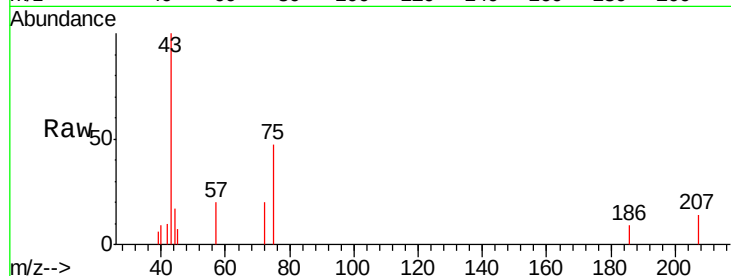




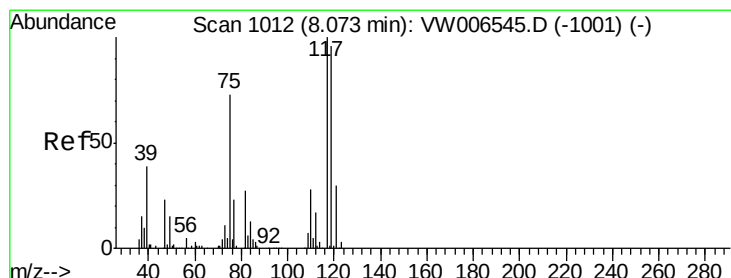
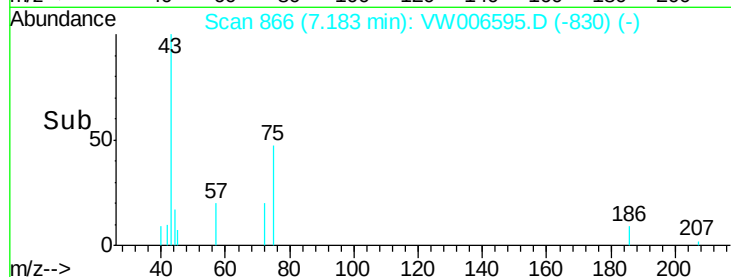
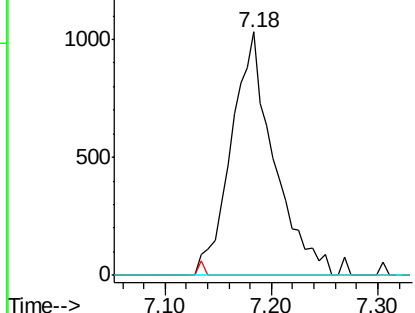
#37
Ethyl Acetate
Concen: 3.82 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.08 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

Instrument :
MSVOA_W
ClientSampled :
TP-3RE

Tgt Ion: 43 Resp: 2885
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

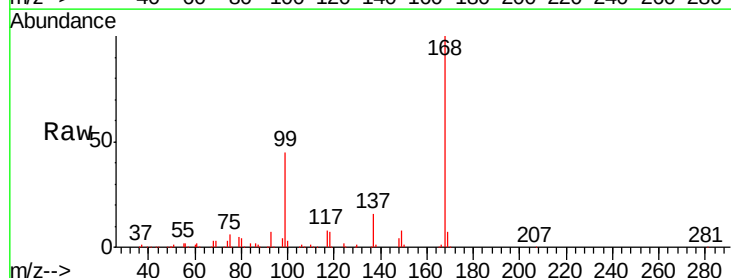


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

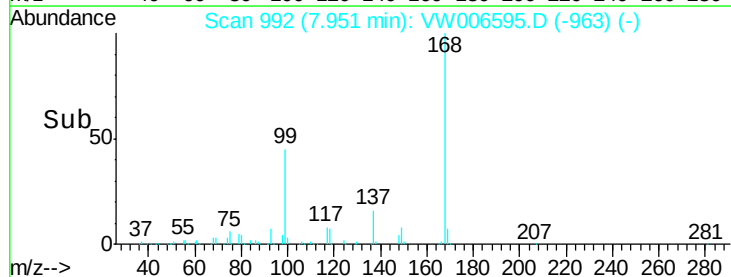
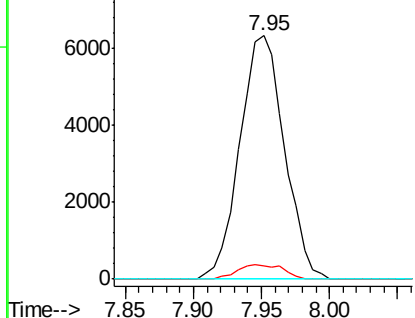


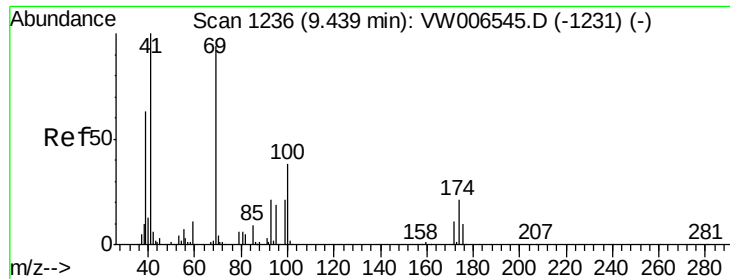
#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

Tgt Ion: 117 Resp: 14447
Ion Ratio Lower Upper
117 100
119 5.4 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

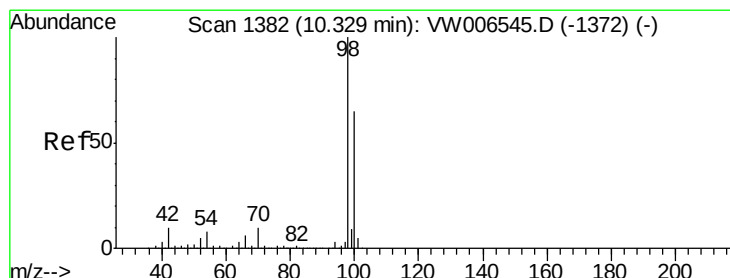
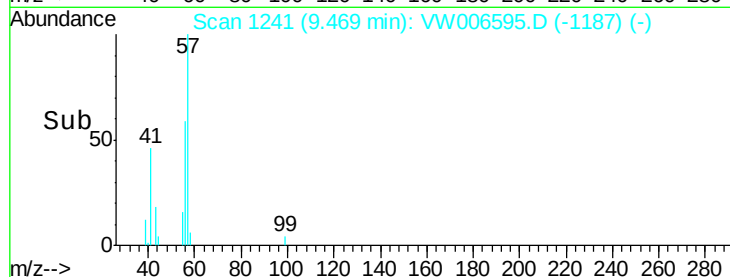
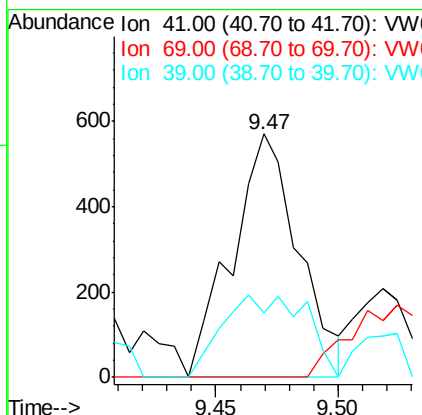
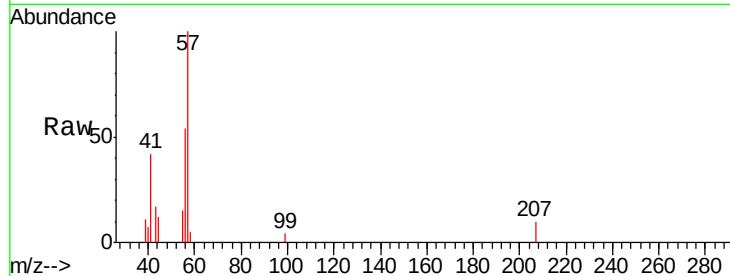




#48
Methyl methacrylate
Concen: 1.49 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

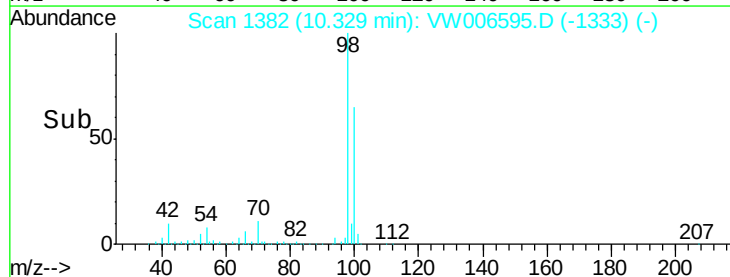
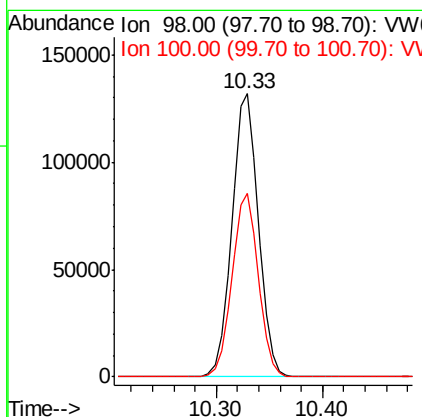
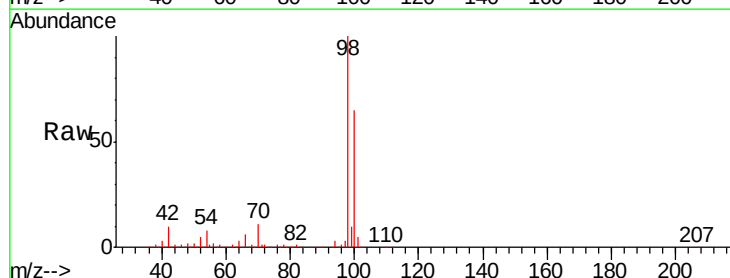
Instrument :
MSVOA_W
ClientSampled :
TP-3RE

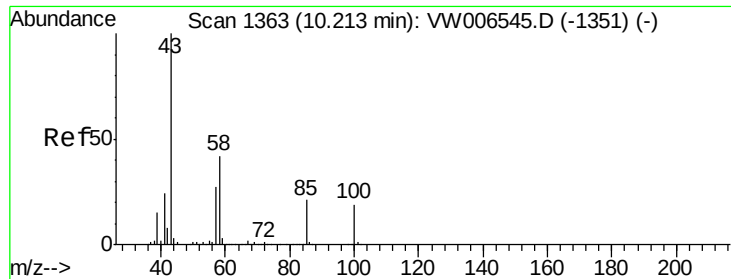
Tgt Ion: 41 Resp: 1082
Ion Ratio Lower Upper
41 100
69 0.0 77.8 116.8#
39 22.6 48.7 73.1#



#50
Toluene-d8
Concen: 38.73 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006595.D
Acq: 02 Nov 2018 08:29

Tgt Ion: 98 Resp: 229314
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 2.23 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

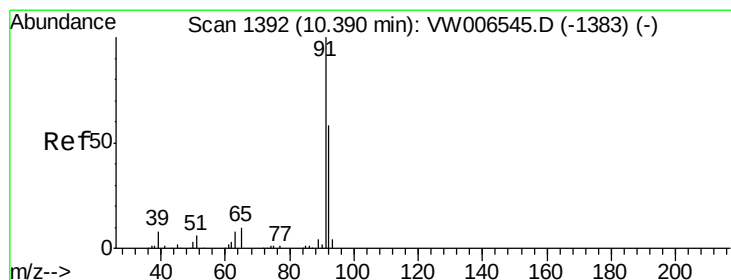
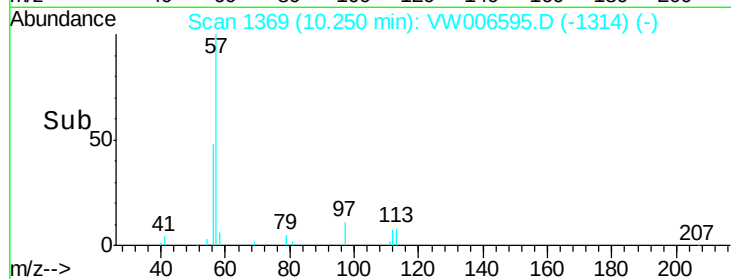
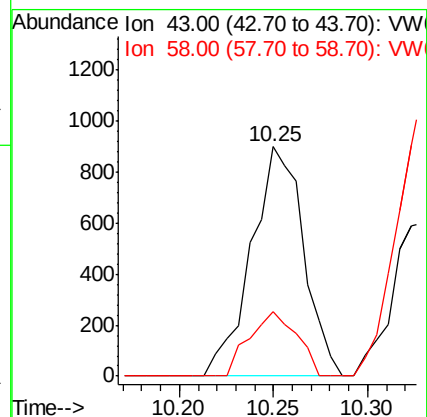
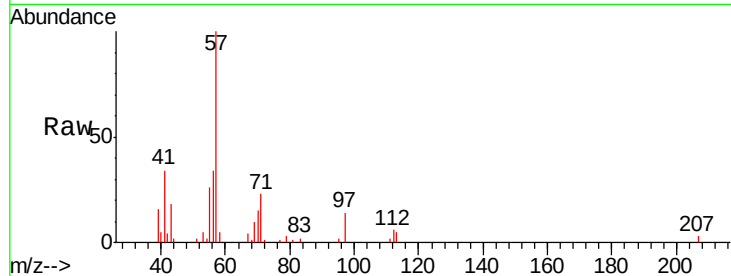
TP-3RE

Tgt Ion: 43 Resp: 1725

Ion Ratio Lower Upper

43 100

58 25.6 33.4 50.0#



#52

Toluene

Concen: 1.33 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006595.D

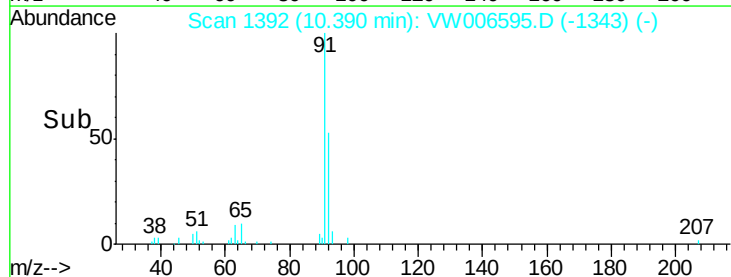
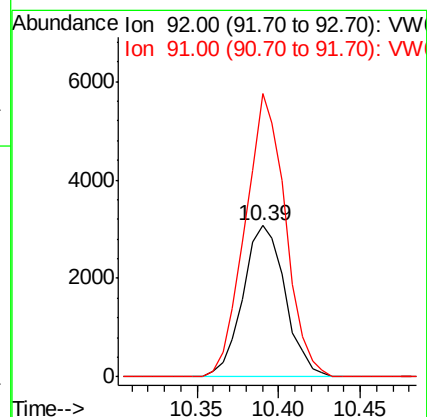
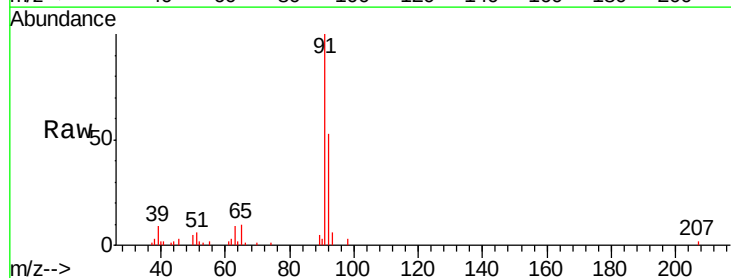
Acq: 02 Nov 2018 08:29

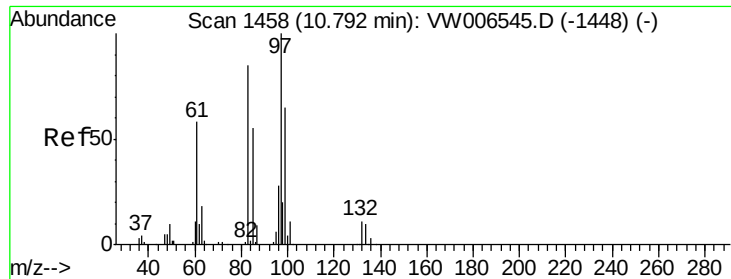
Tgt Ion: 92 Resp: 5540

Ion Ratio Lower Upper

92 100

91 178.1 138.6 208.0

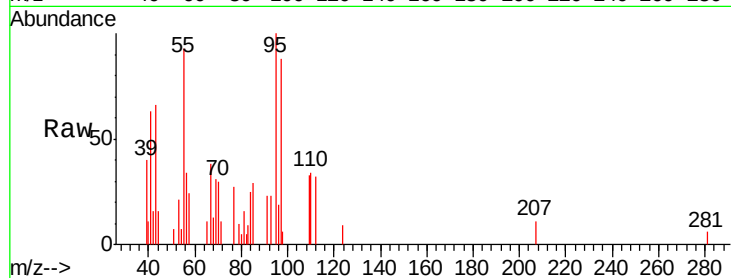




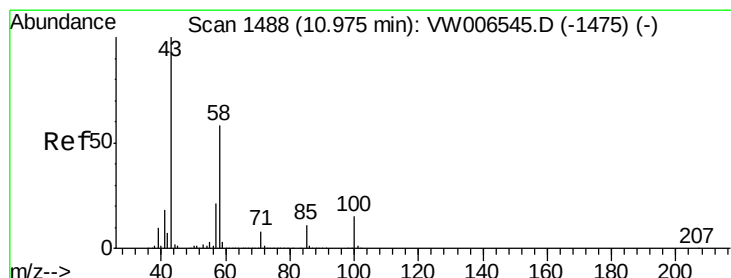
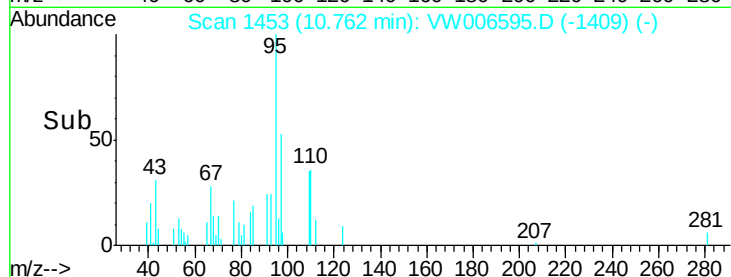
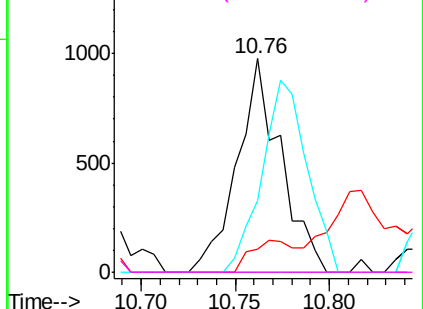
#55
 1,1,2-Trichloroethane
 Concen: 1.30 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VW006595.D
 Acq: 02 Nov 2018 08:29

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

Tgt Ion: 97 Resp: 1566
 Ion Ratio Lower Upper
 97 100
 83 10.7 67.9 101.9#
 85 33.5 44.0 66.0#
 99 0.0 52.2 78.2#

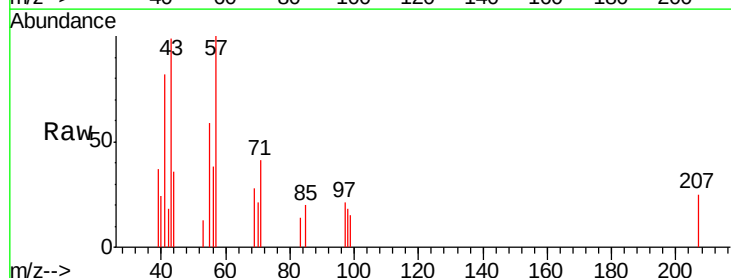


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

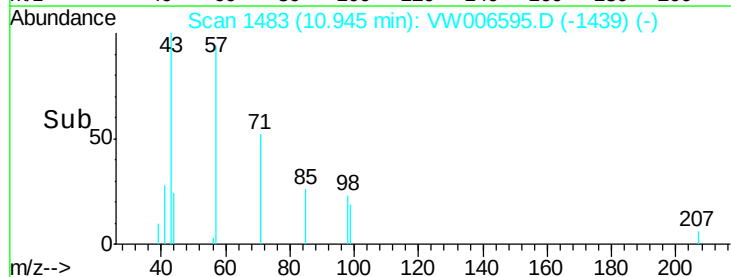
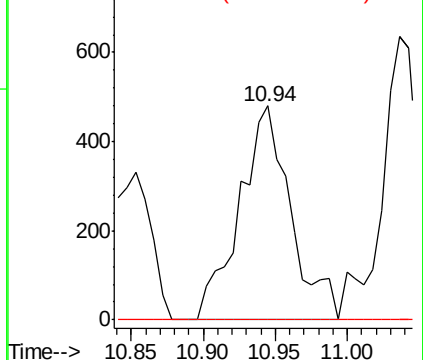


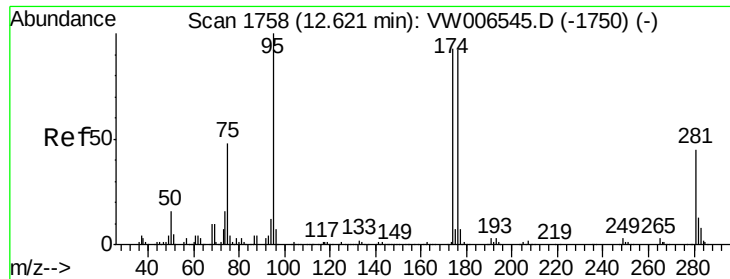
#59
 2-Hexanone
 Concen: 2.24 ug/l
 RT: 10.94 min Scan# 1483
 Delta R.T. -0.03 min
 Lab File: VW006595.D
 Acq: 02 Nov 2018 08:29

Tgt Ion: 43 Resp: 1179
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 30.90 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

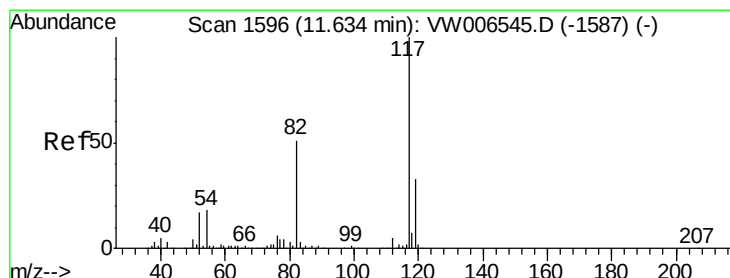
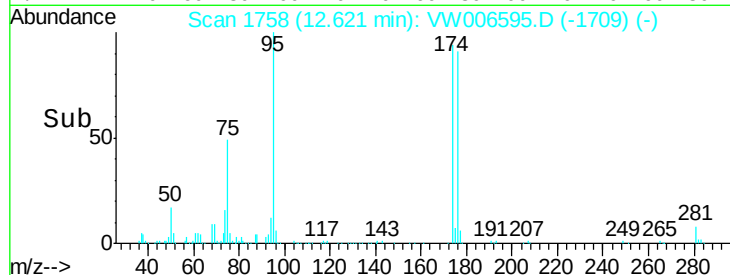
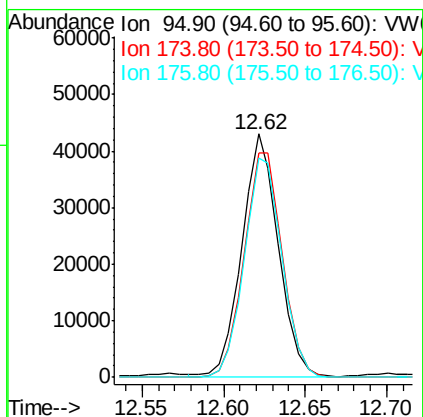
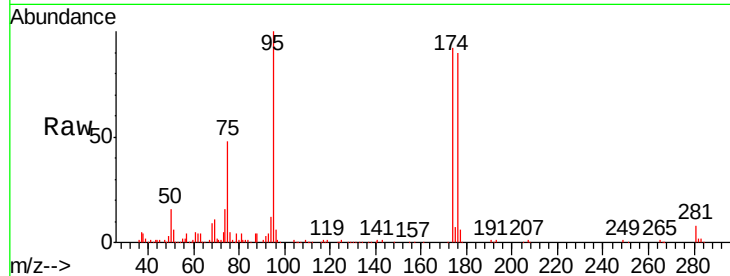
Tgt Ion: 95 Resp: 66337

Ion Ratio Lower Upper

95 100

174 97.2 0.0 192.4

176 93.7 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: VW006595.D

Acq: 02 Nov 2018 08:29

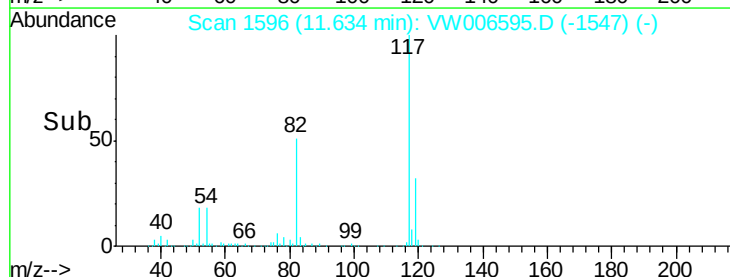
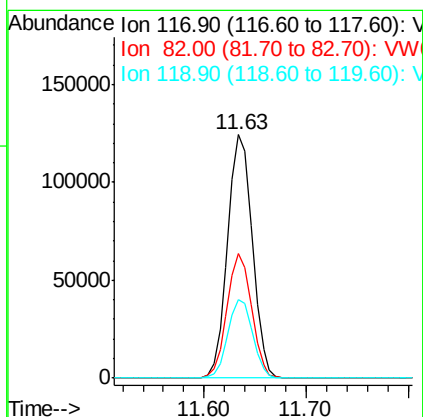
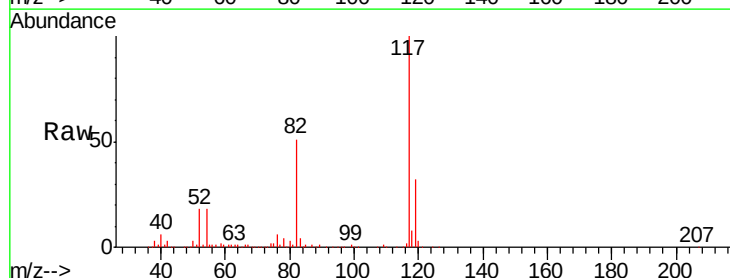
Tgt Ion: 117 Resp: 208624

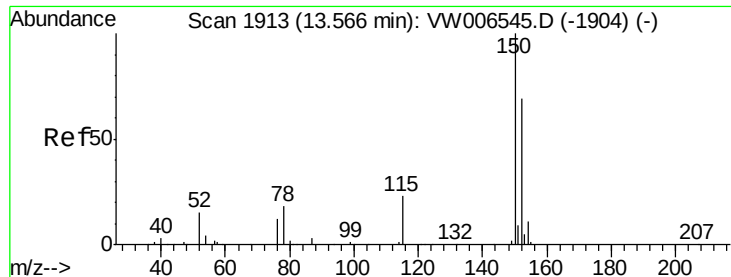
Ion Ratio Lower Upper

117 100

82 51.0 40.8 61.2

119 32.3 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: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

TP-3RE

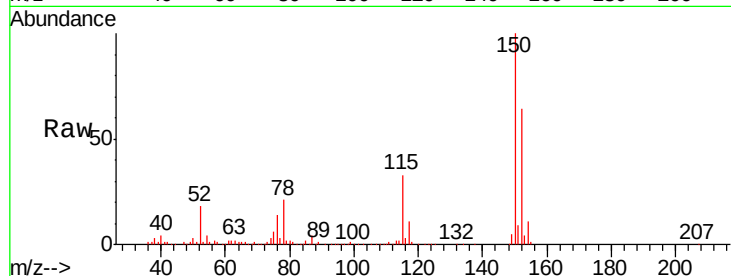
Tgt Ion:152 Resp: 81985

Ion Ratio Lower Upper

152 100

115 52.6 26.6 79.8

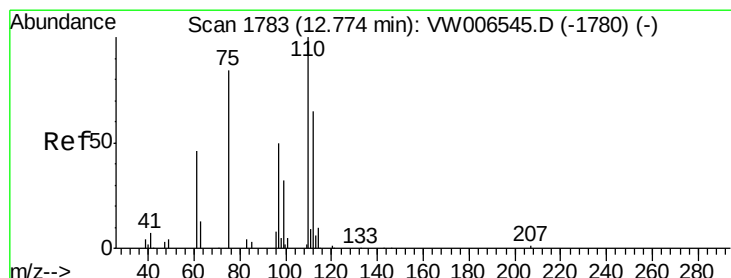
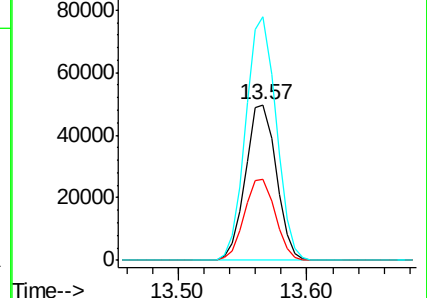
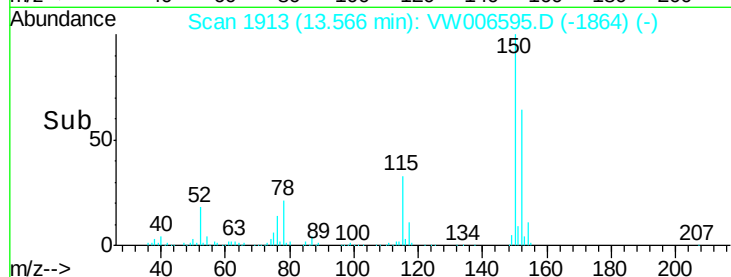
150 154.9 0.0 344.6



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: 50.64 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006595.D

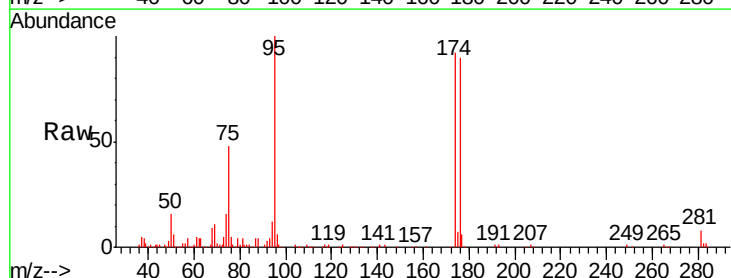
Acq: 02 Nov 2018 08:29

Tgt Ion: 75 Resp: 32394

Ion Ratio Lower Upper

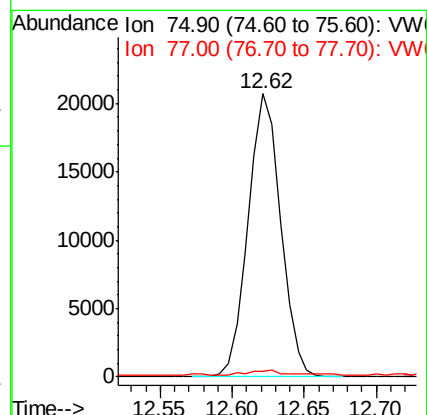
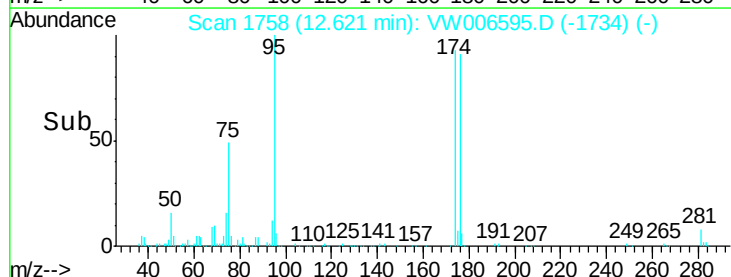
75 100

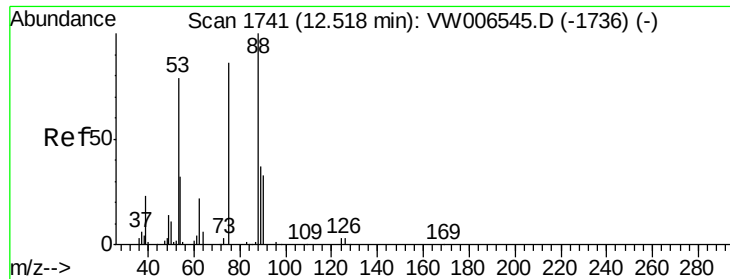
77 2.2 0.0 0.0#



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: 126.83 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Instrument :

MSVOA_W

ClientSampled :

TP-3RE

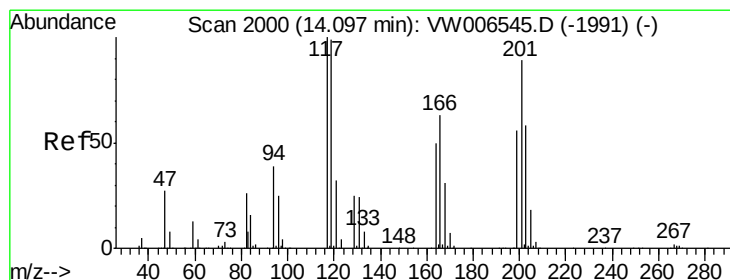
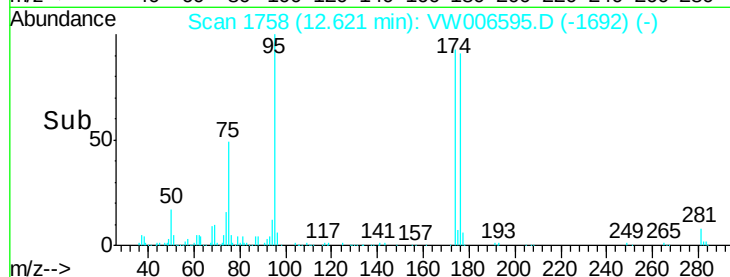
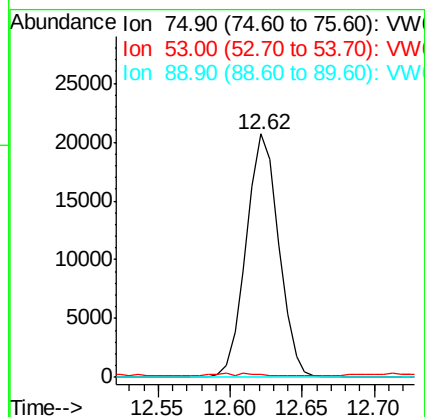
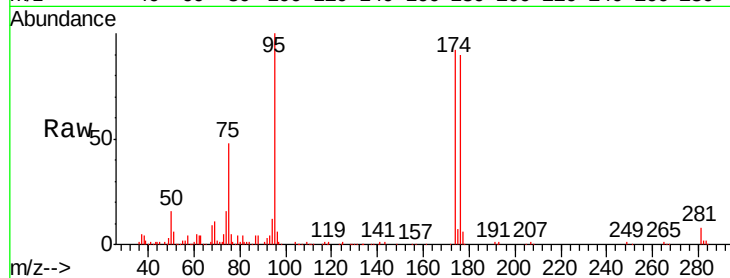
Tgt Ion: 75 Resp: 32394

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.1 38.6 58.0#



#90

Hexachloroethane

Concen: 1.12 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW006595.D

Acq: 02 Nov 2018 08:29

Tgt Ion: 117 Resp: 951

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.3#

