

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\
 Data File : VW006704.D
 Acq On : 06 Nov 2018 23:01
 Operator : SY/AP
 Sample : J5816-11
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4A-D

Quant Time: Nov 07 11:30:23 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	50704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	69399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11903	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	20984	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	20729	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
50) Toluene-d8	10.33	98	63870	38.52	ug/l	0.00
Spiked Amount			Recovery	=	77.04%	
62) 4-Bromofluorobenzene	12.62	95	12799	21.29	ug/l	0.00
Spiked Amount			Recovery	=	42.58%	

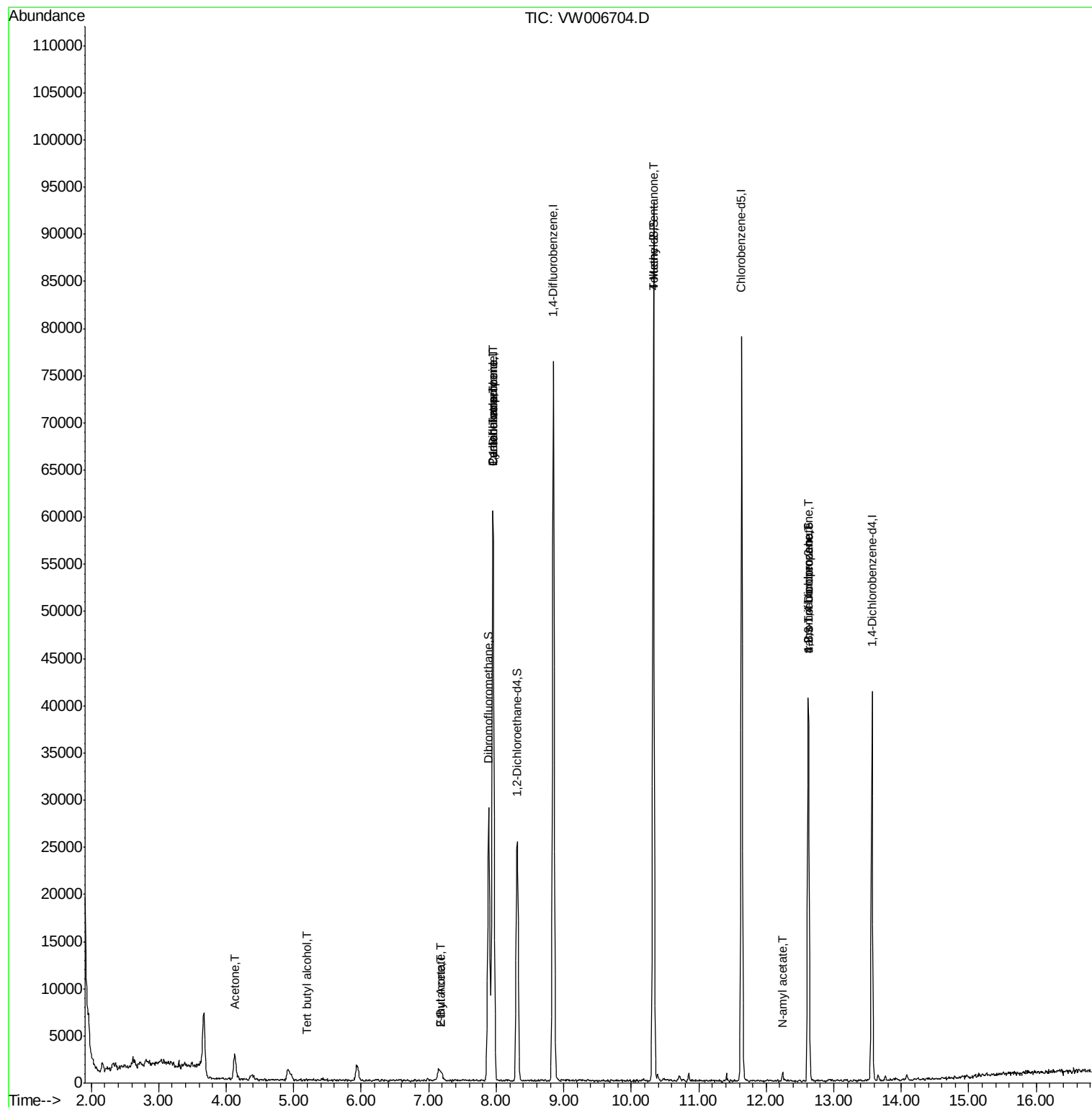
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	31	1.320	ug/l #	84
16) Acetone	4.12	43	4650	66.082	ug/l	89
20) Methylene Chloride	4.91	84	783	Below Cal	#	83
25) 2-Butanone	7.18	43	1429	14.231	ug/l #	88
31) Cyclohexane	7.95	56	906	1.305	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	3172	5.197	ug/l #	46
37) Ethyl Acetate	7.18	43	1429	6.757	ug/l #	66
38) Carbon Tetrachloride	7.95	117	4421	6.933	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	247	1.140	ug/l #	1
74) N-amyl acetate	12.24	43	685	5.055	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	6361	68.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6361	170.599	ug/l #	11

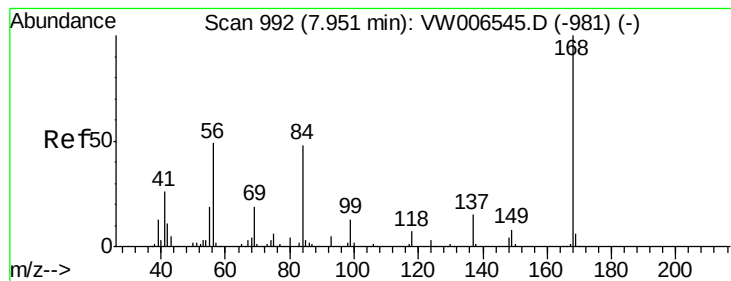
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006704.D

Acq: 06 Nov 2018 23:01

Instrument :

MSVOA_W

ClientSampled :

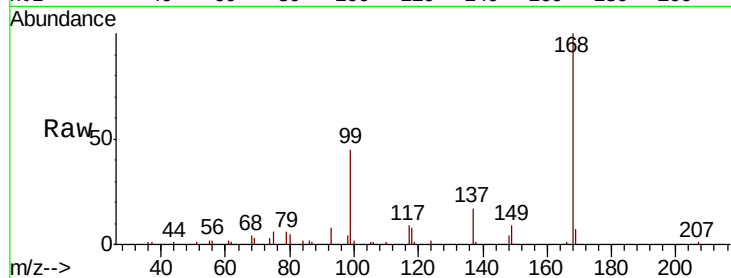
TP-4A-D

Tot Ion:168 Resp: 50704

Ion Ratio Lower Upper

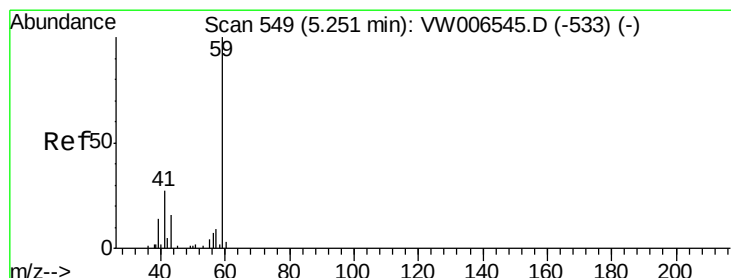
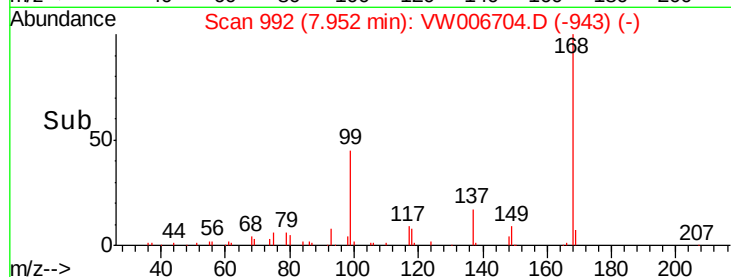
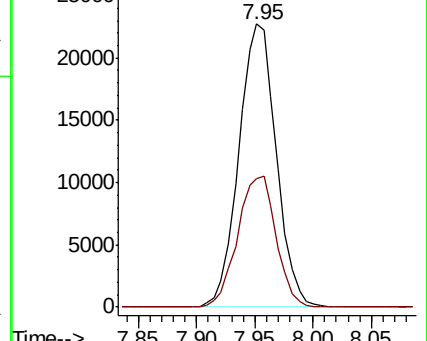
168 100

99 45.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.320 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.07 min

Lab File: VW006704.D

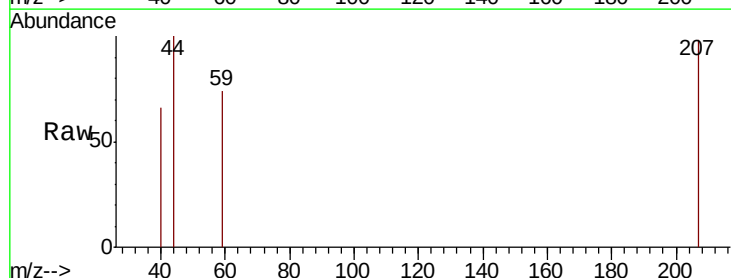
Acq: 06 Nov 2018 23:01

Tgt Ion: 59 Resp: 31

Ion Ratio Lower Upper

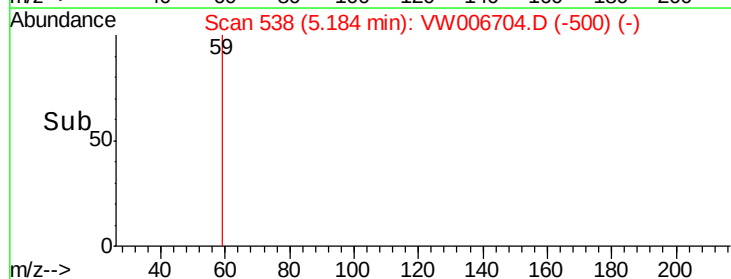
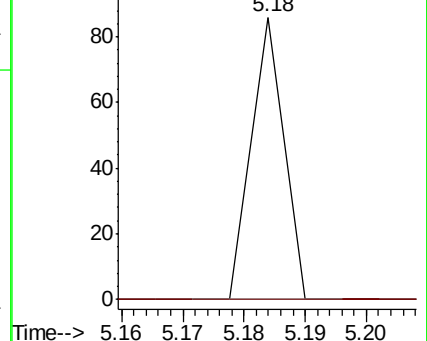
59 100

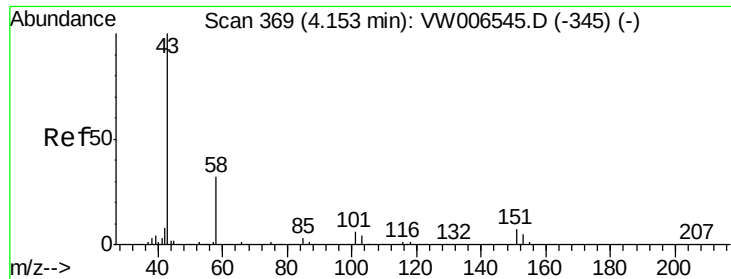
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

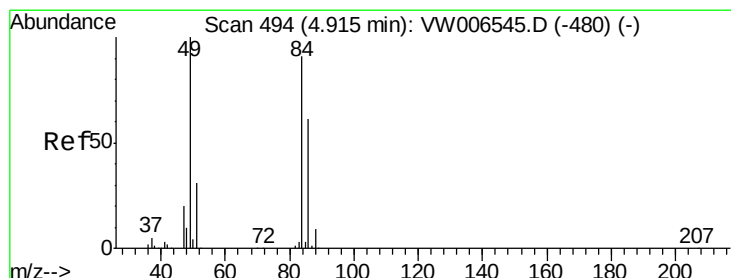
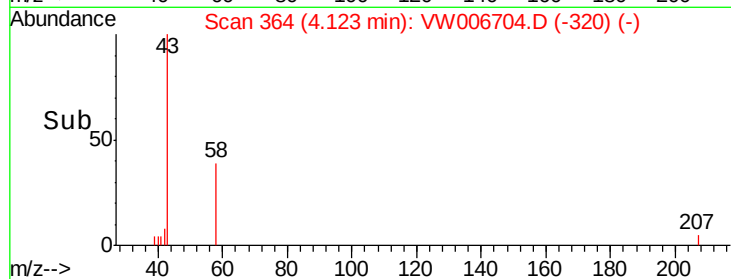
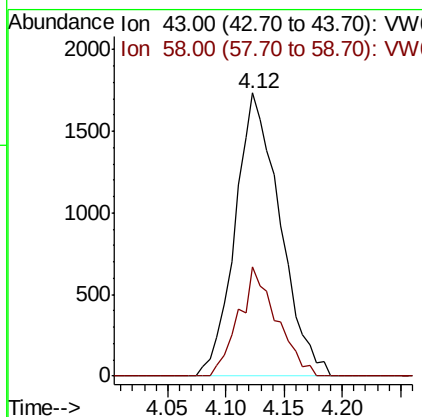
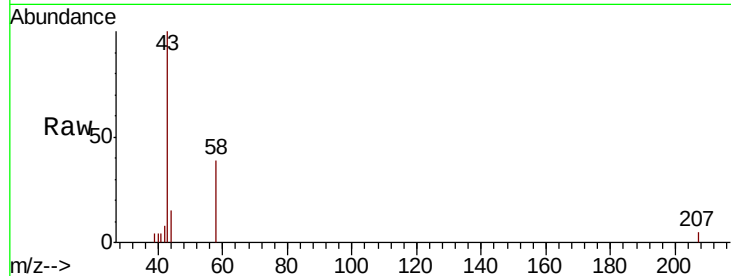




#16
Acetone
Concen: 66.082 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.03 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

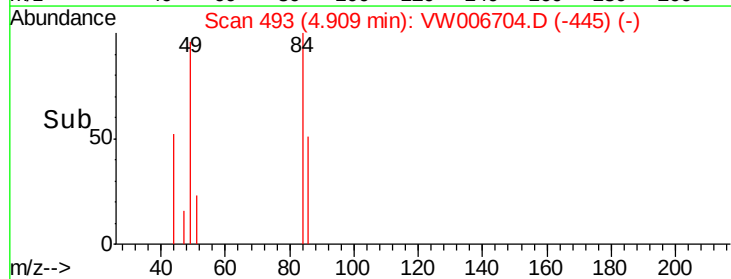
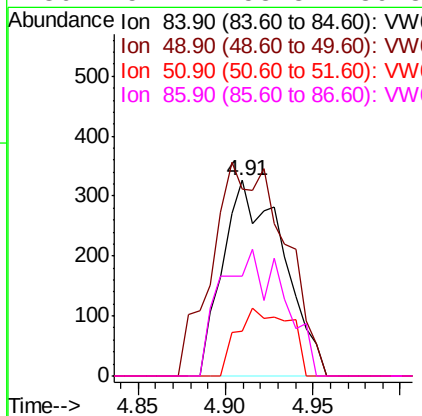
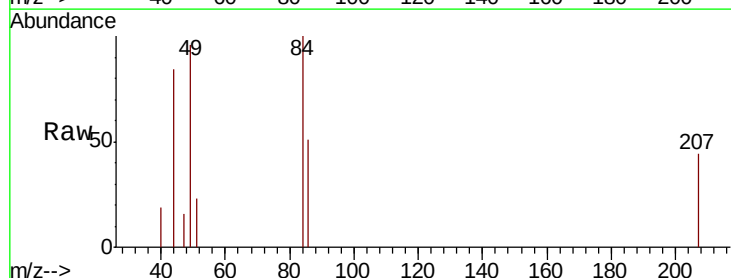
Instrument :
MSVOA_W
ClientSampleId :
TP-4A-D

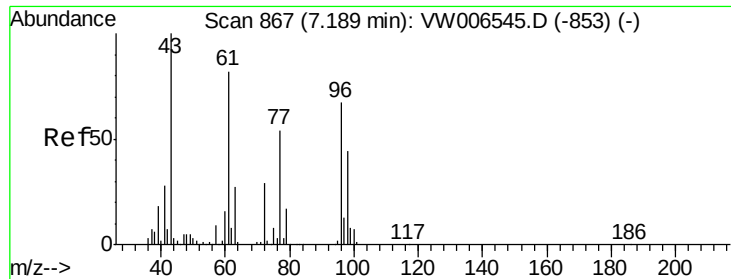
Tot Ion: 43 Resp: 4650
Ion Ratio Lower Upper
43 100
58 38.7 25.8 38.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Tgt Ion: 84 Resp: 783
Ion Ratio Lower Upper
84 100
49 95.7 88.2 132.4
51 23.0 27.0 40.6#
86 51.2 53.8 80.8#

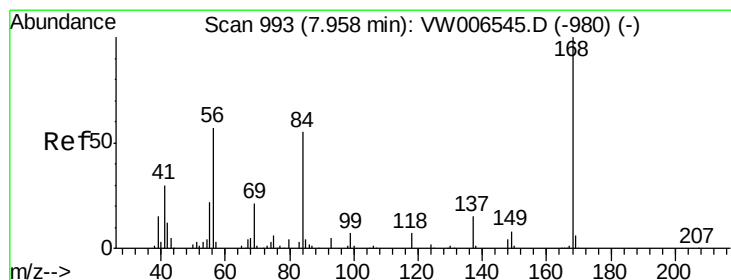
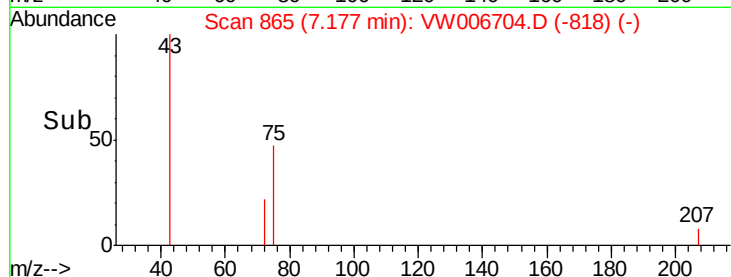
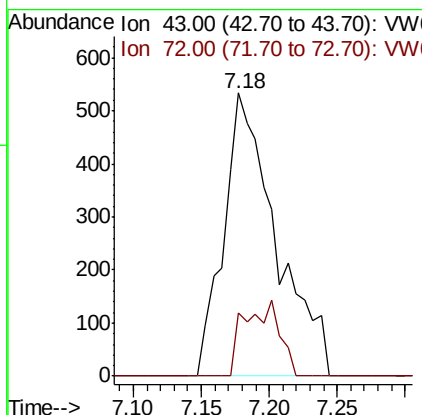
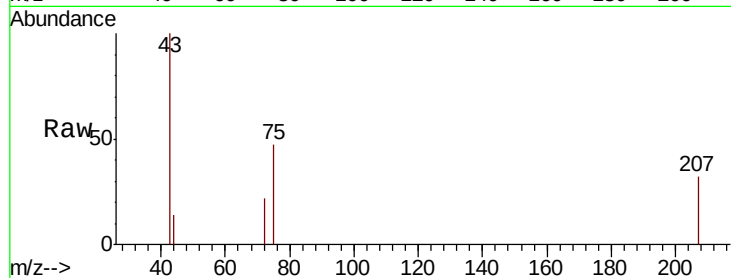




#25
2-Butanone
Concen: 14.231 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

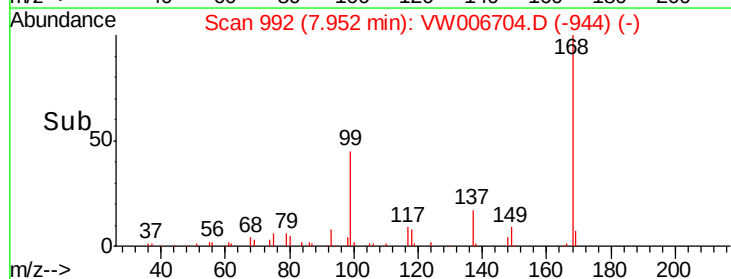
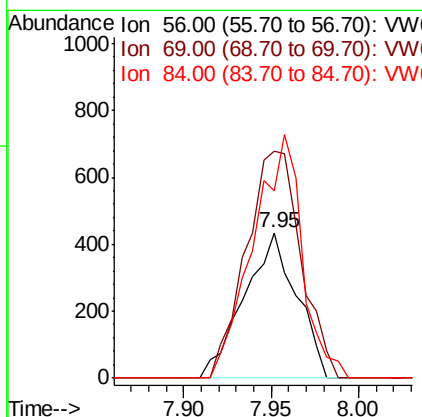
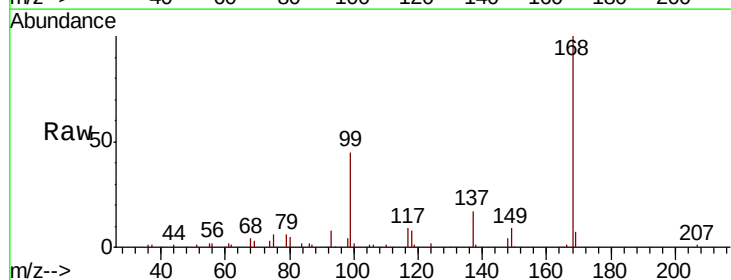
Instrument :
MSVOA_W
ClientSampled :
TP-4A-D

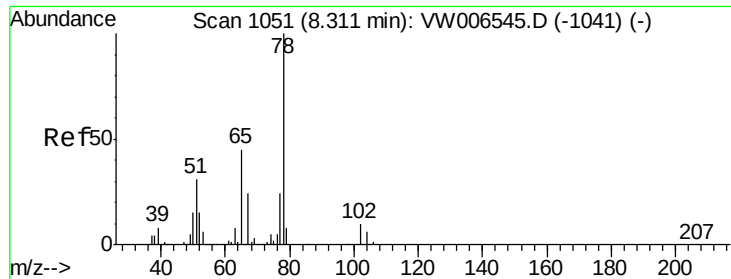
Tot Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
72 22.3 23.2 34.8#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Tgt Ion: 56 Resp: 906
Ion Ratio Lower Upper
56 100
69 156.1 29.0 43.4#
84 128.5 77.8 116.6#

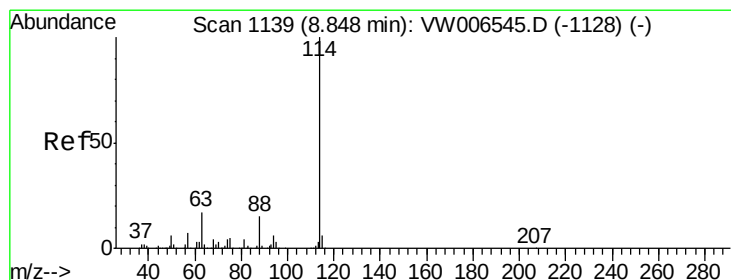
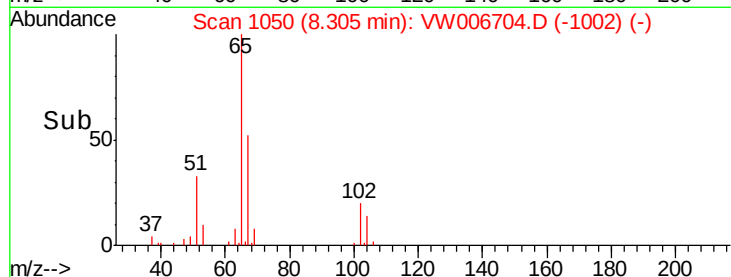
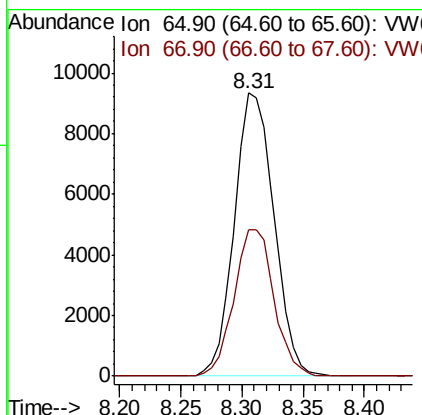
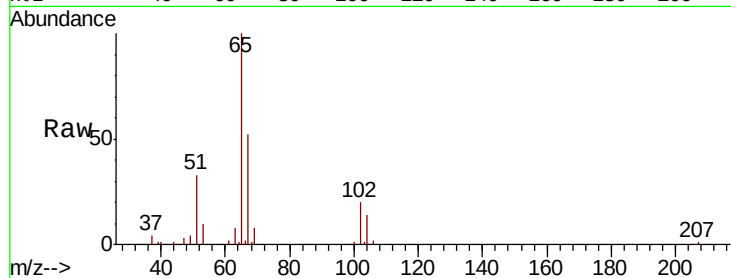




#33
 1,2-Dichloroethane-d4
 Concen: 48.145 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

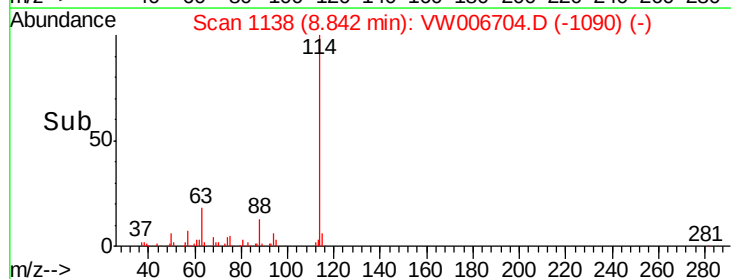
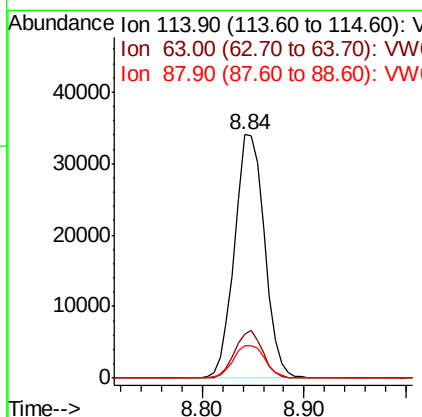
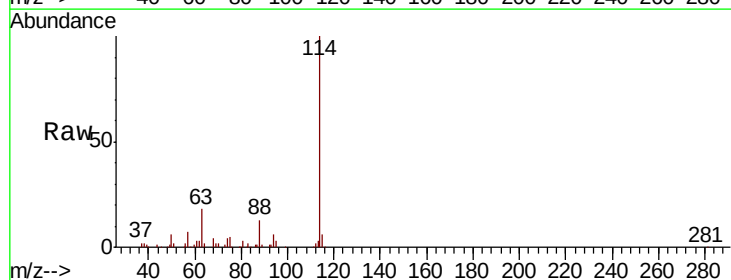
Instrument :
 MSVOA_W
 ClientSampled :
 TP-4A-D

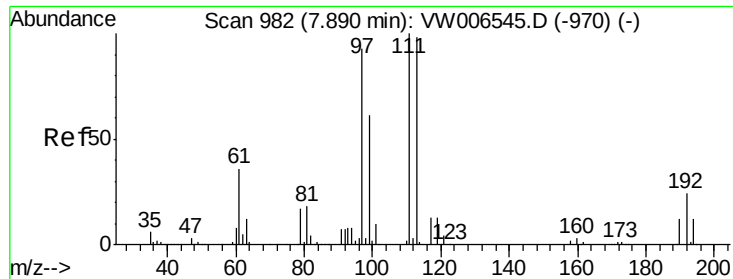
Tot Ion: 65 Resp: 20984
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

Tgt Ion: 114 Resp: 69399
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.4
 88 13.3 0.0 29.0

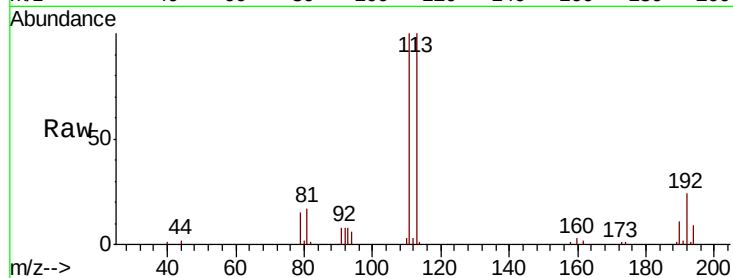




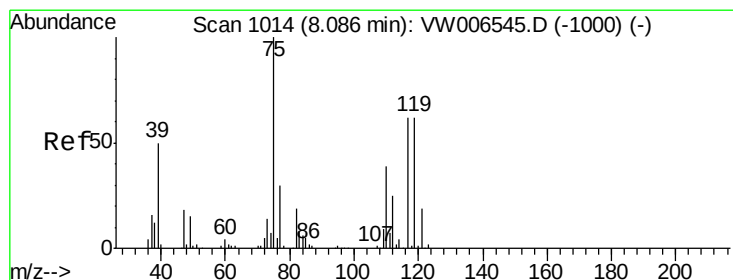
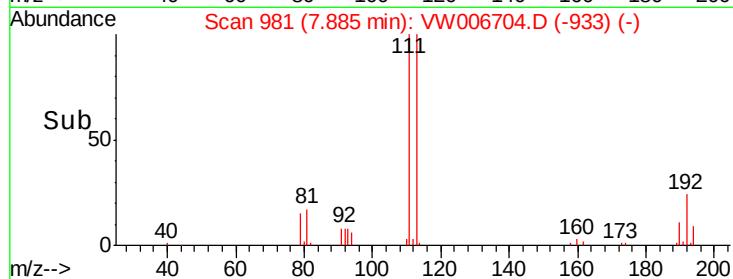
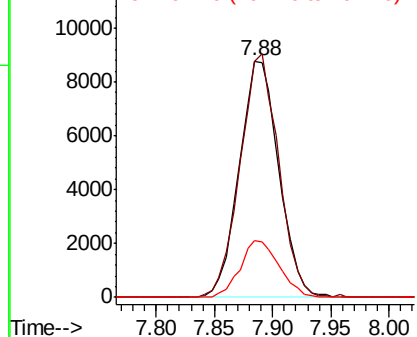
#35
 Dibromofluoromethane
 Concen: 47.594 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4A-D

Tot Ion:113 Resp: 20729
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.2 123.2
 192 23.6 19.0 28.6

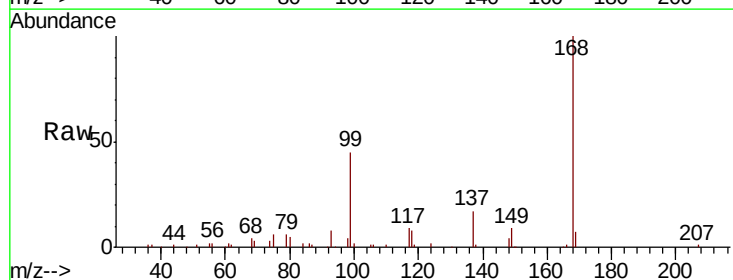


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

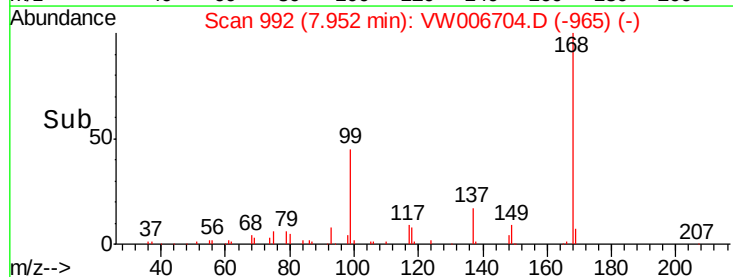
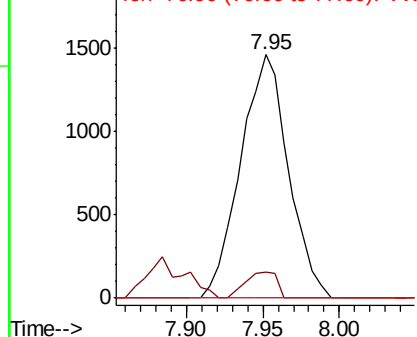


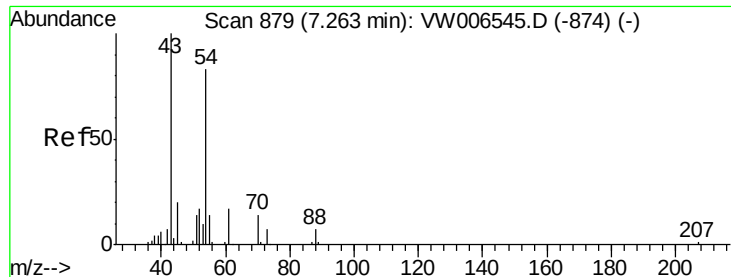
#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

Tgt Ion: 75 Resp: 3172
 Ion Ratio Lower Upper
 75 100
 110 7.0 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

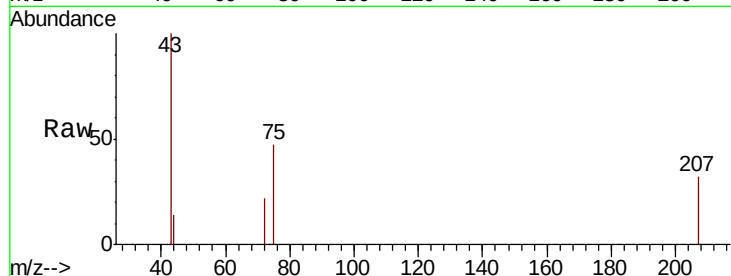




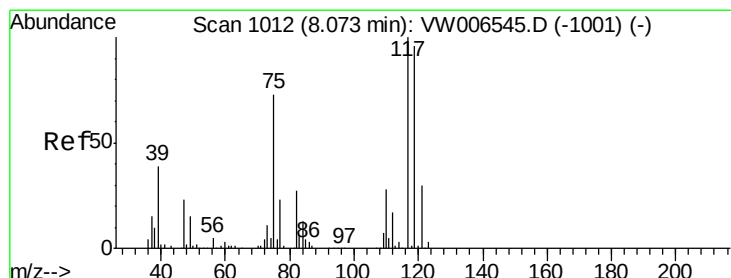
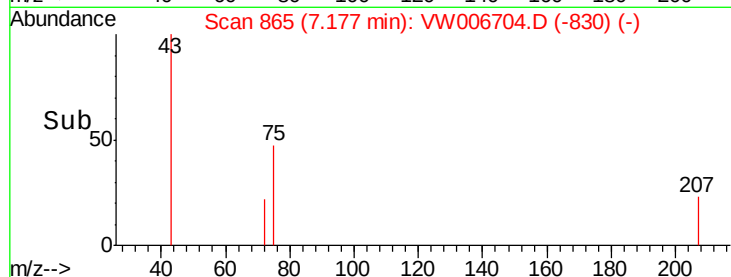
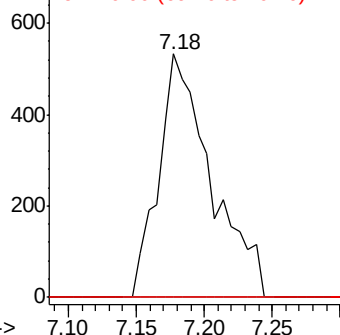
#37
Ethyl Acetate
Concen: 6.757 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.09 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Instrument :
MSVOA_W
ClientSampleId :
TP-4A-D

Tot Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

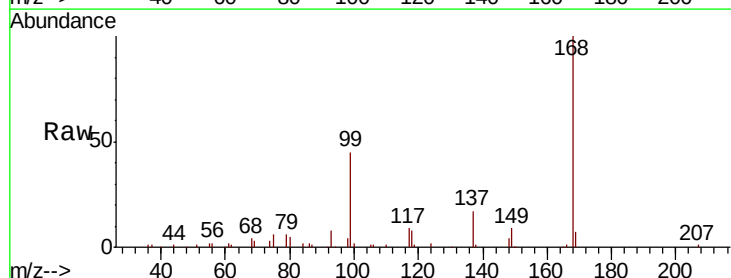


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

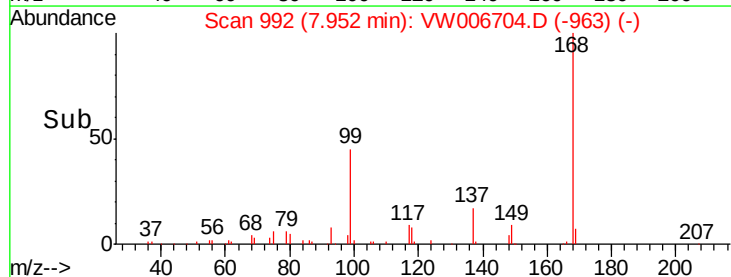
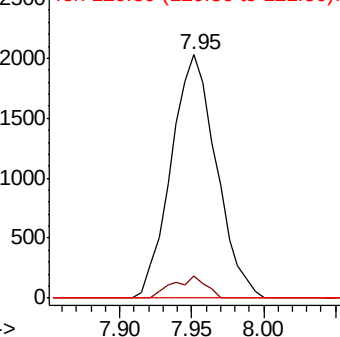


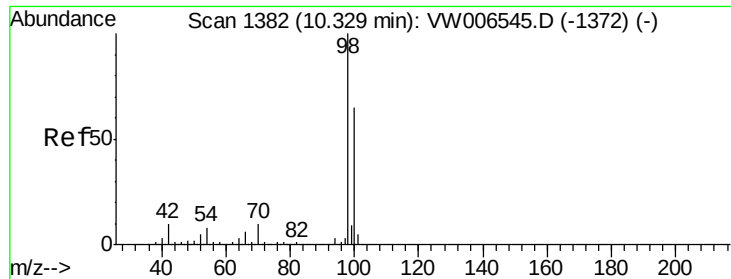
#38
Carbon Tetrachloride
Concen: 6.933 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Tgt Ion: 117 Resp: 4421
Ion Ratio Lower Upper
117 100
119 9.2 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

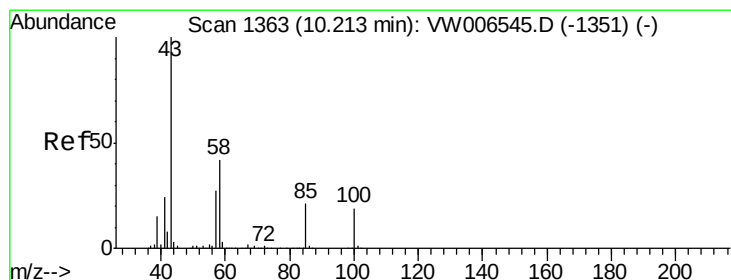
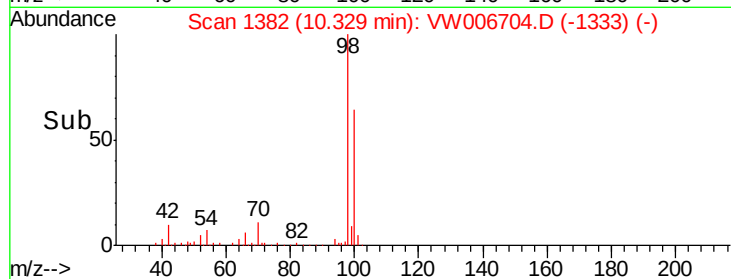
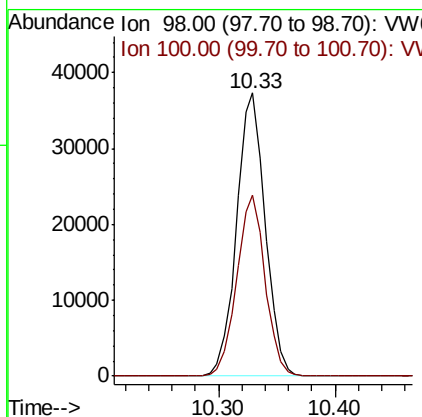
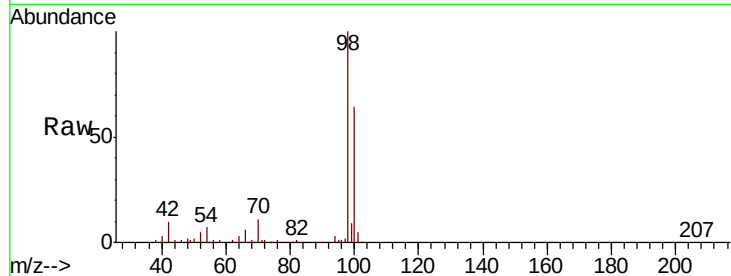




#50
Toluene-d8
Concen: 38.522 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

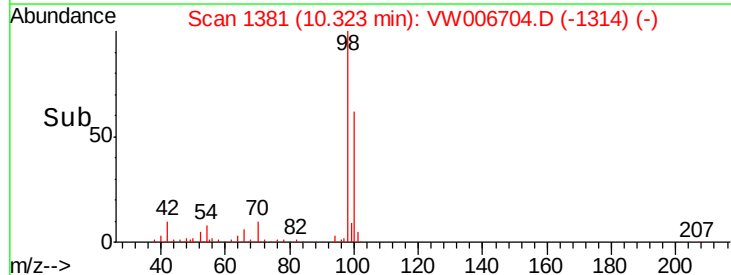
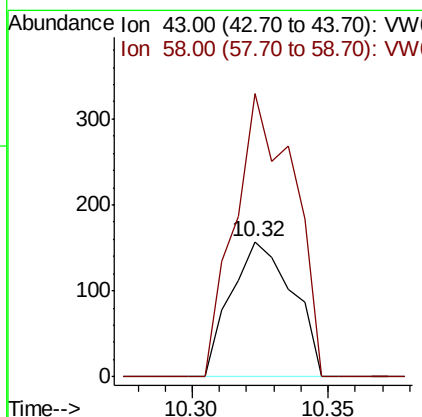
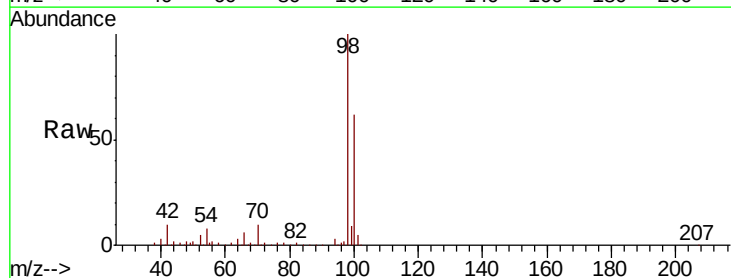
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MSVOA_W
ClientSampled :
TP-4A-D

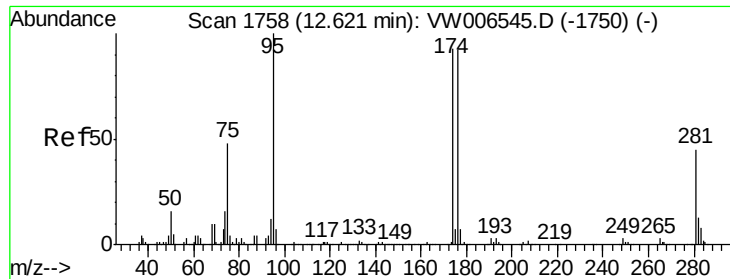
Tot Ion: 98 Resp: 63870
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.140 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
58 200.0 33.4 50.0#

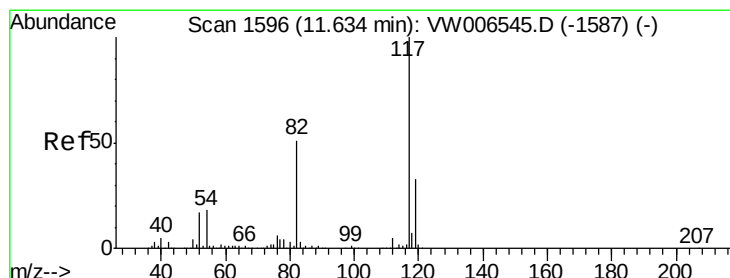
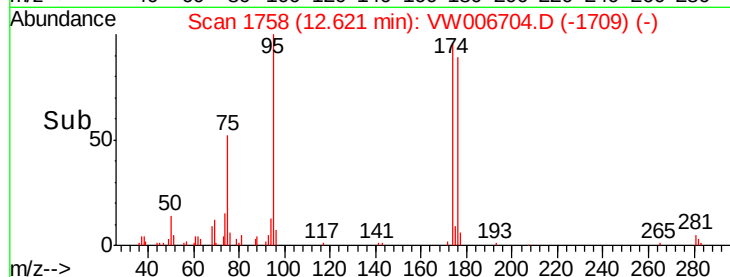
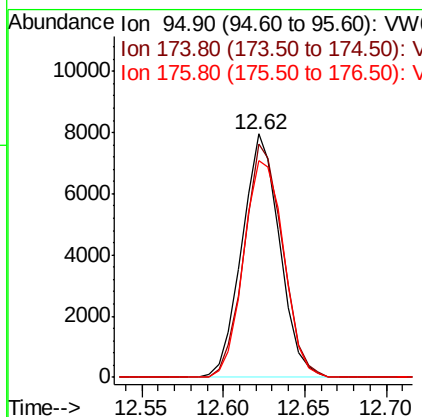
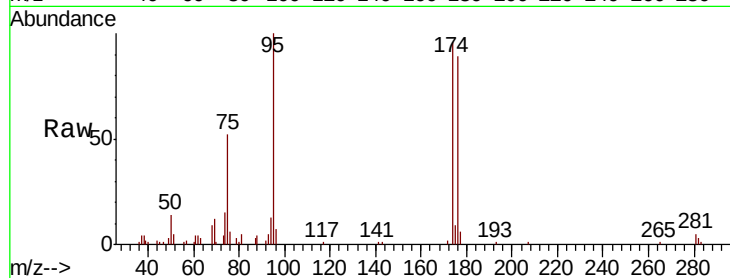




#62
4-Bromofluorobenzene
Concen: 21.293 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

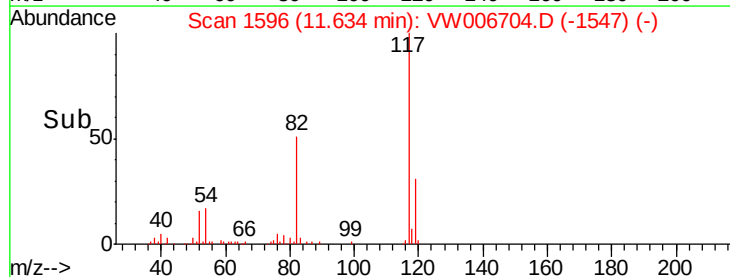
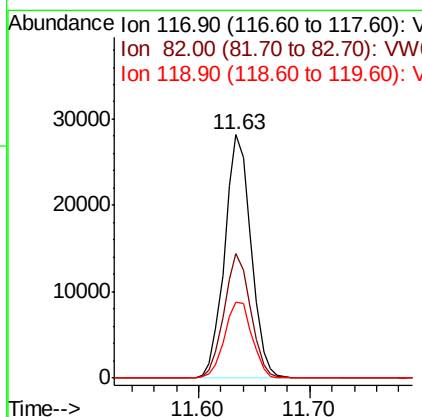
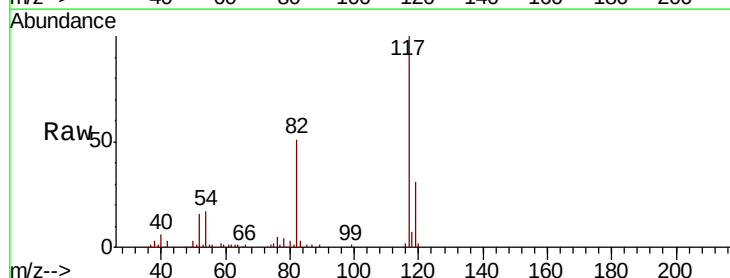
Instrument :
MSVOA_W
ClientSampleId :
TP-4A-D

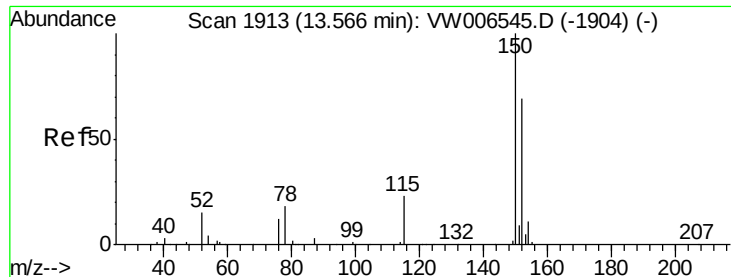
Tot Ion: 95 Resp: 12799
Ion Ratio Lower Upper
95 100
174 97.3 0.0 192.4
176 94.1 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006704.D
Acq: 06 Nov 2018 23:01

Tgt Ion: 117 Resp: 46308
Ion Ratio Lower Upper
117 100
82 51.1 40.8 61.2
119 31.4 26.1 39.1

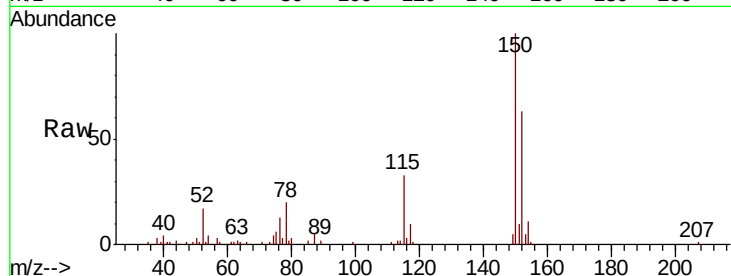




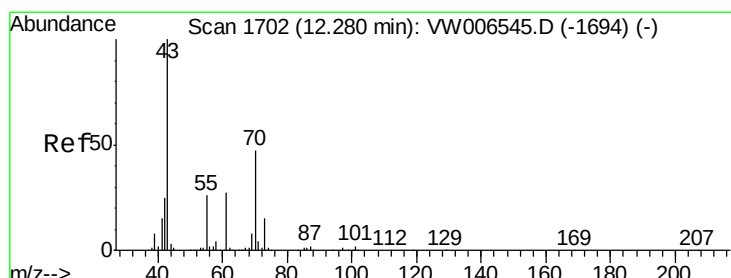
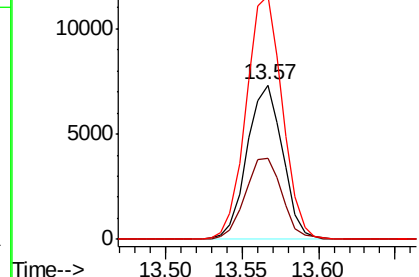
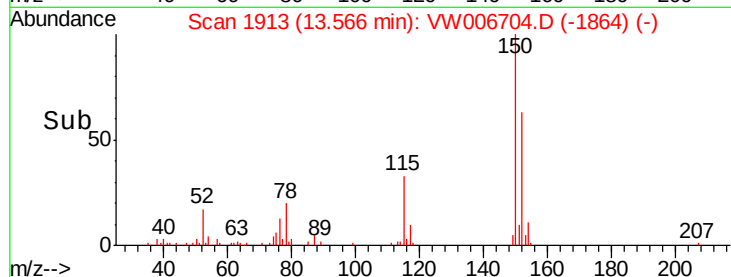
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4A-D

Tot Ion:152 Resp: 11903
 Ion Ratio Lower Upper
 152 100
 115 54.4 26.6 79.8
 150 159.5 0.0 344.6

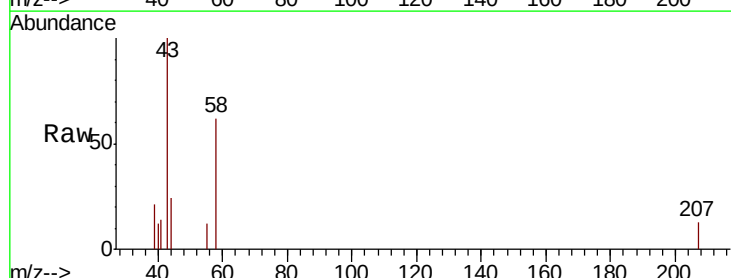


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

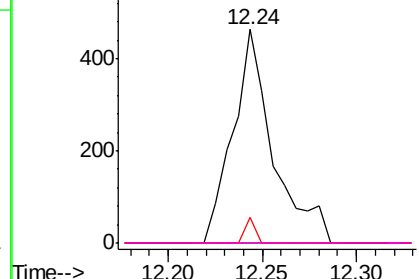
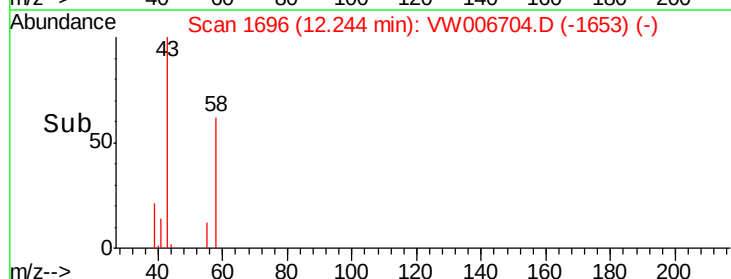


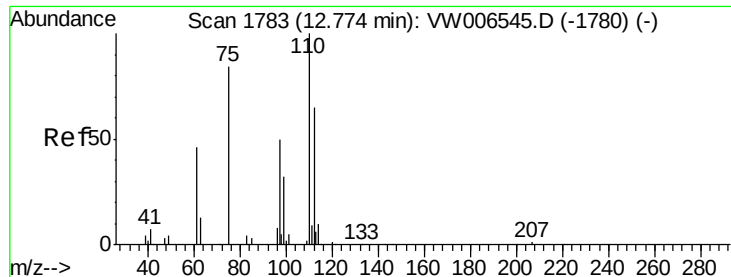
#74
 N-ethyl acetate
 Concen: 5.055 ug/l
 RT: 12.24 min Scan# 1696
 Delta R.T. -0.04 min
 Lab File: VW006704.D
 Acq: 06 Nov 2018 23:01

Tgt Ion: 43 Resp: 685
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.9 55.3#
 55 2.9 20.7 31.1#
 61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 70.00 (69.70 to 70.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 68.493 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006704.D

Acq: 06 Nov 2018 23:01

Instrument :

MSVOA_W

ClientSampleId :

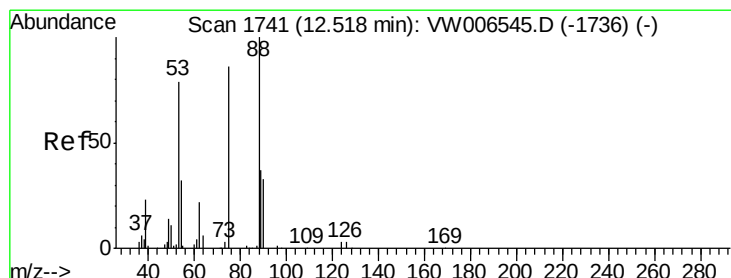
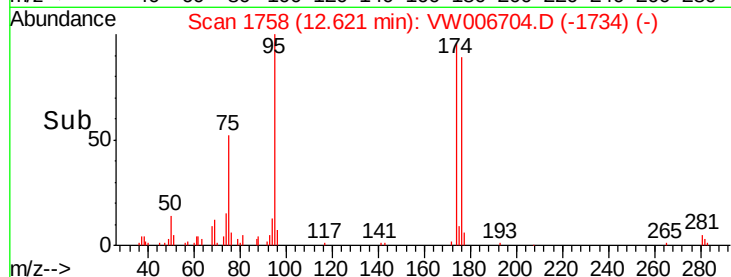
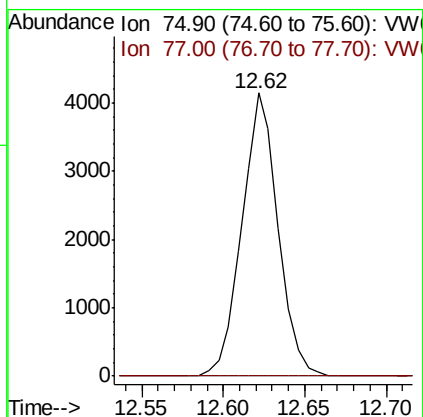
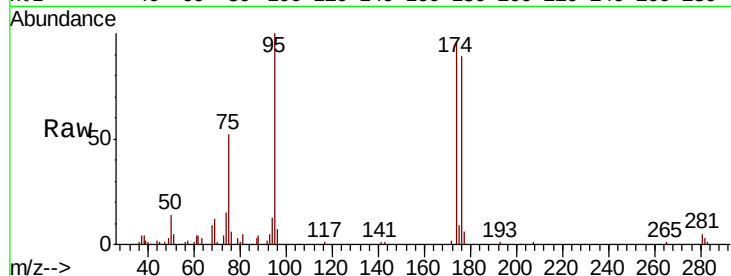
TP-4A-D

Tot Ion: 75 Resp: 6361

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 170.599 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006704.D

Acq: 06 Nov 2018 23:01

Tgt Ion: 75 Resp: 6361

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

