

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
 Data File : VW008033.D
 Acq On : 03 Jan 2019 20:45
 Operator : SY/AP
 Sample : K1017-09RE
 Misc : 5.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3

Quant Time: Jan 04 00:34:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	63013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	89725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	37524	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	40386	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	7.88	113	35144	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.32	98	127220	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.62	95	40795	40.87	ug/l	0.00
Spiked Amount			Recovery	=	81.74%	

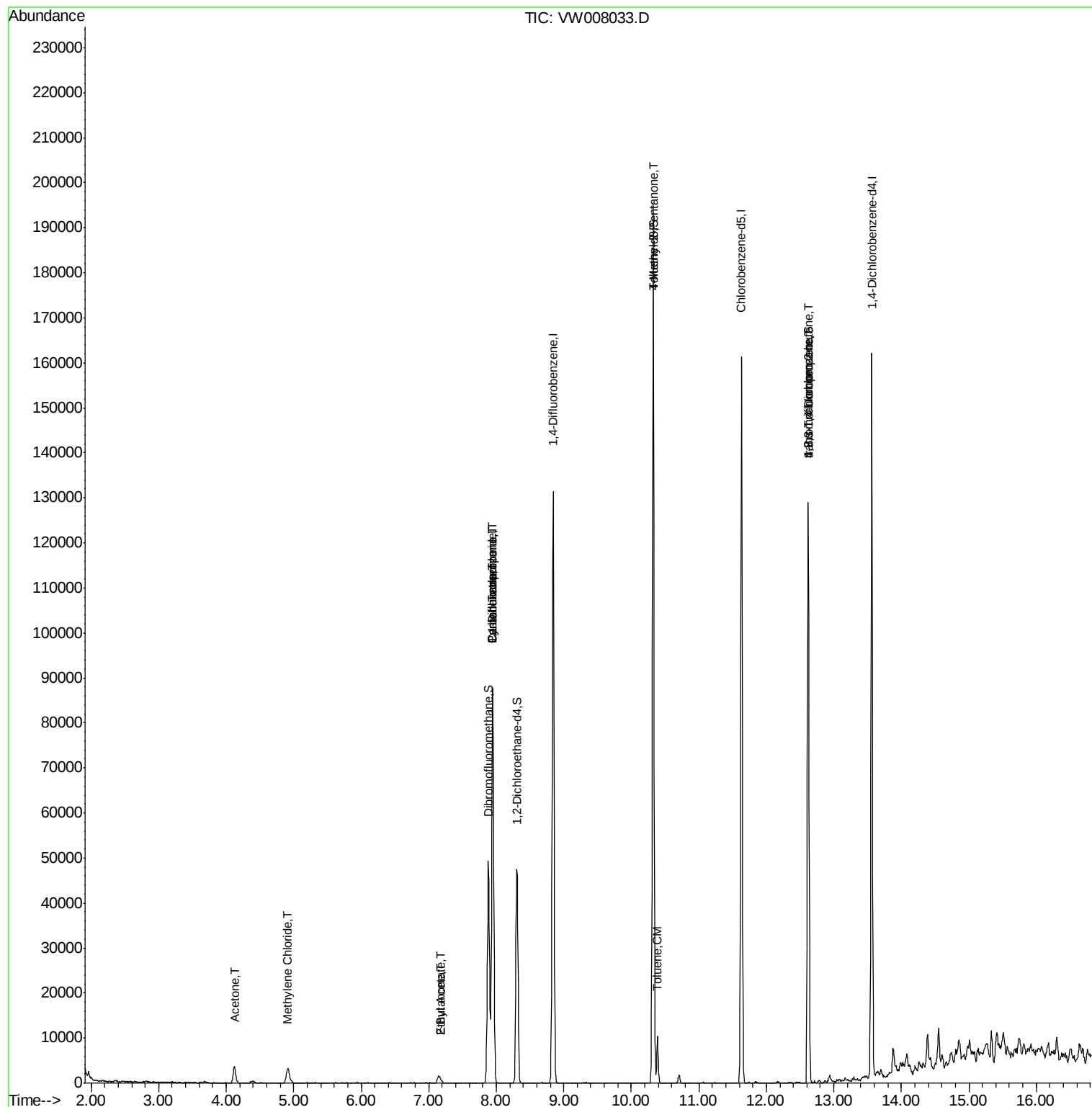
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	6420	59.507	ug/l	92
20) Methylene Chloride	4.91	84	3013	2.259	ug/l	86
25) 2-Butanone	7.18	43	787	6.191	ug/l #	85
31) Cyclohexane	7.95	56	1492	1.400	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	4939	4.549	ug/l #	49
37) Ethyl Acetate	7.18	43	787	2.413	ug/l #	67
38) Carbon Tetrachloride	7.95	117	6828	5.248	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	521	1.727	ug/l #	1
52) Toluene	10.39	92	4269	2.258	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	23251	77.887	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23251	184.191	ug/l #	6

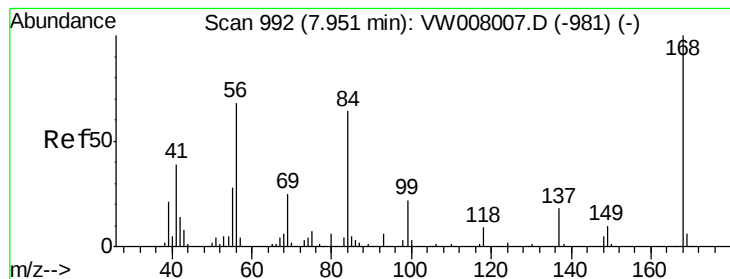
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

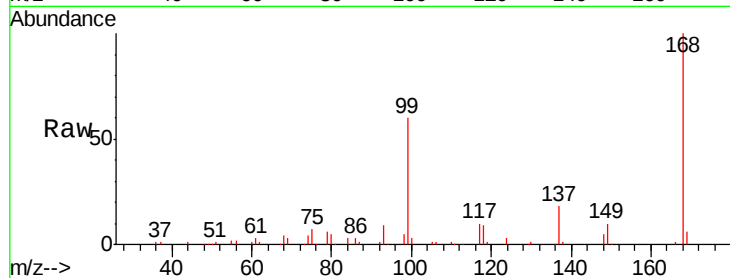
TP-3

Tgt Ion: 168 Resp: 63013

Ion Ratio Lower Upper

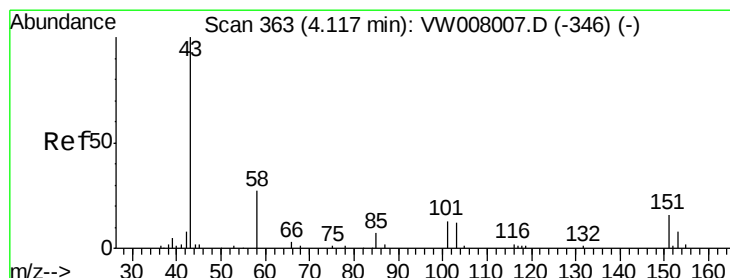
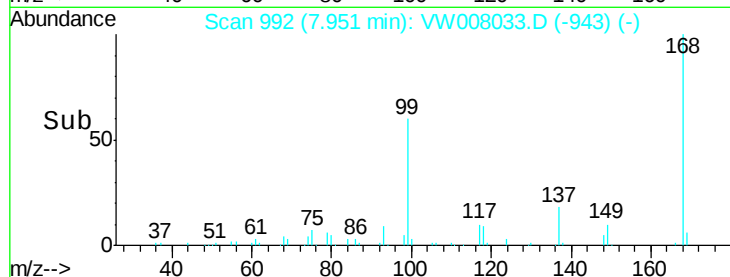
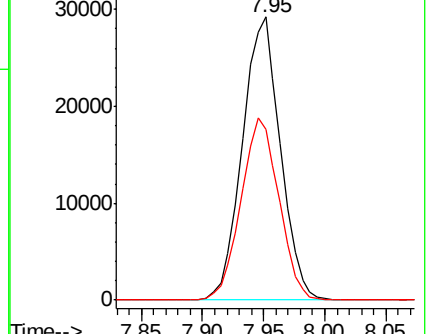
168 100

99 60.1 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 59.507 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008033.D

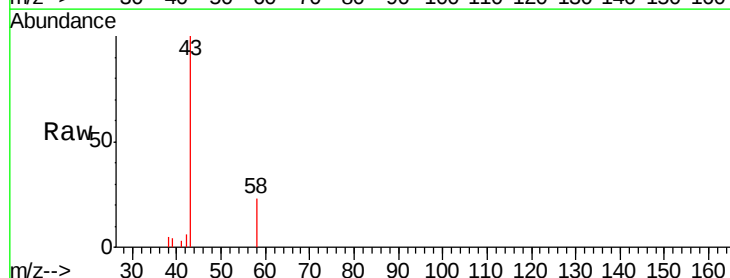
Acq: 03 Jan 2019 20:45

Tgt Ion: 43 Resp: 6420

Ion Ratio Lower Upper

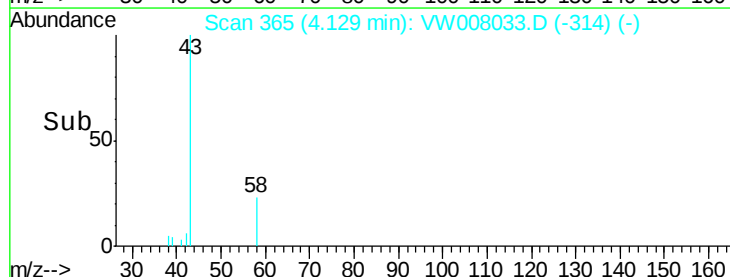
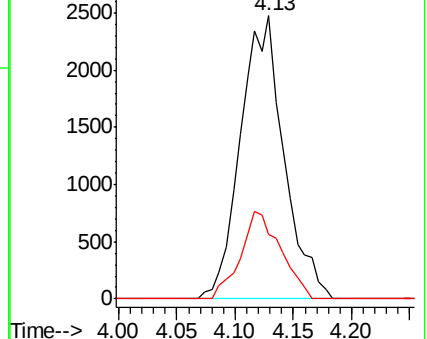
43 100

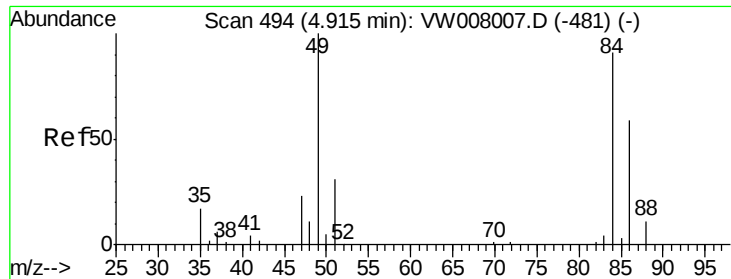
58 23.0 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

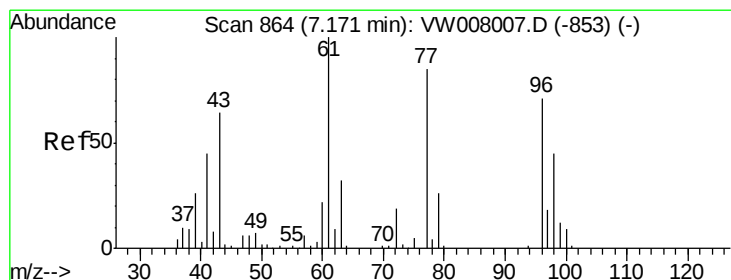
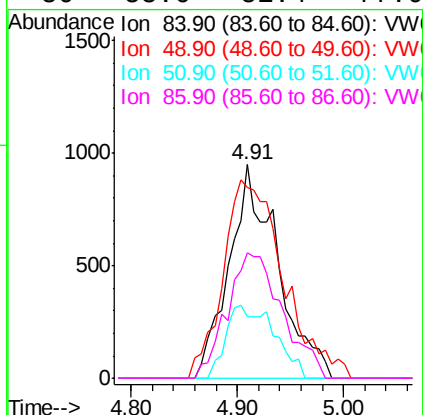
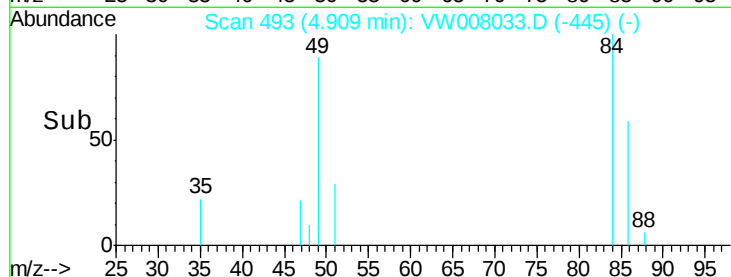
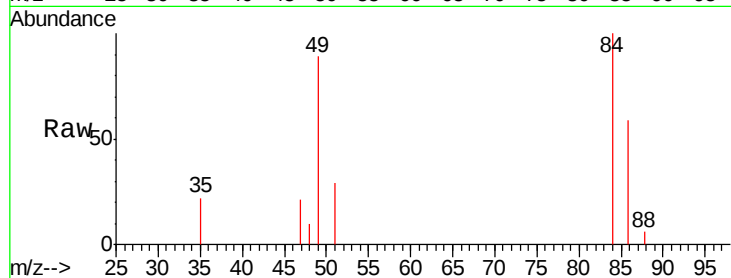




#20
Methylene Chloride
Concen: 2.259 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

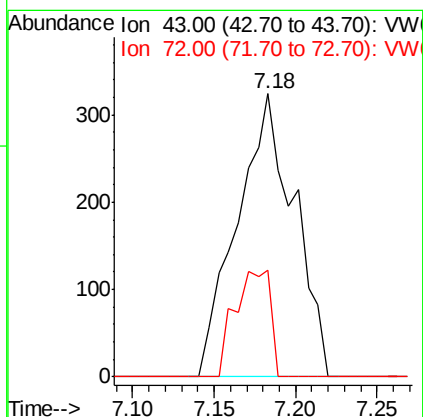
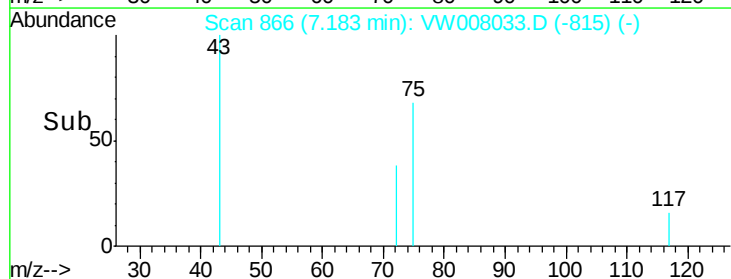
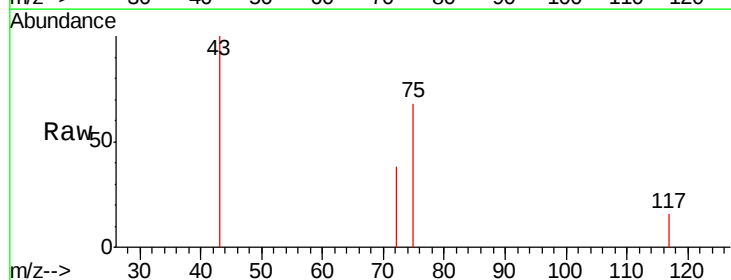
Instrument :
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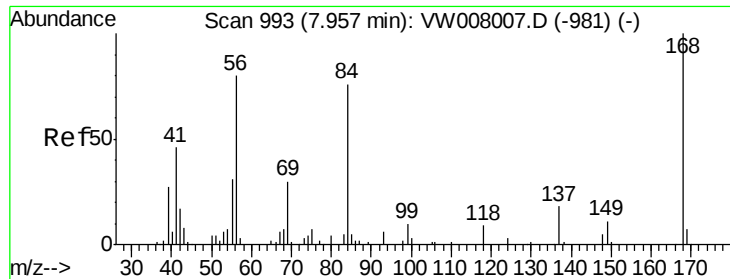
Tgt Ion:	84	Resp:	3013
Ion	Ratio	Lower	Upper
84	100		
49	89.5	87.7	131.5
51	28.9	27.3	40.9
86	58.6	51.4	77.0



#25
2-Butanone
Concen: 6.191 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

Tgt Ion:	43	Resp:	787
Ion	Ratio	Lower	Upper
43	100		
72	37.7	23.8	35.8#

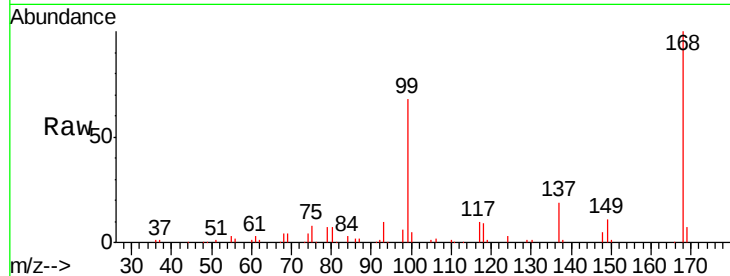




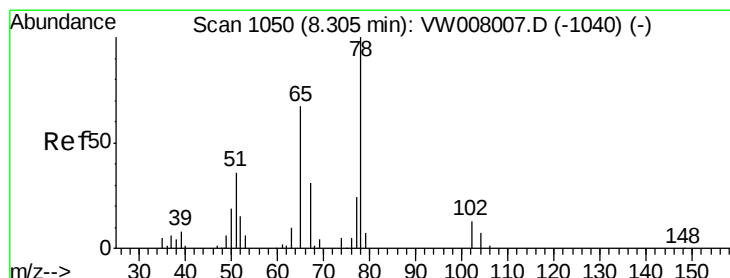
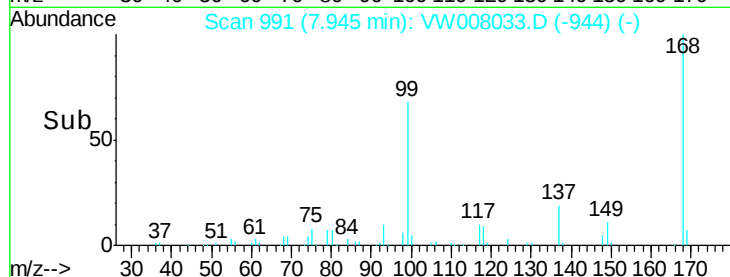
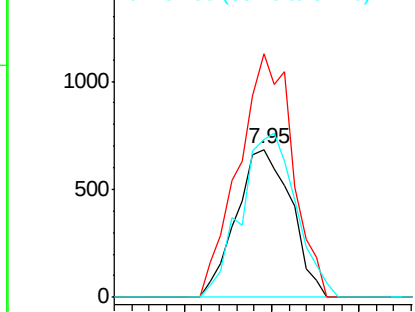
#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

Instrument :
MSVOA_W
ClientSampled :
TP-3

Tgt Ion: 56 Resp: 1492
Ion Ratio Lower Upper
56 100
69 164.5 29.8 44.6#
84 106.9 75.2 112.8

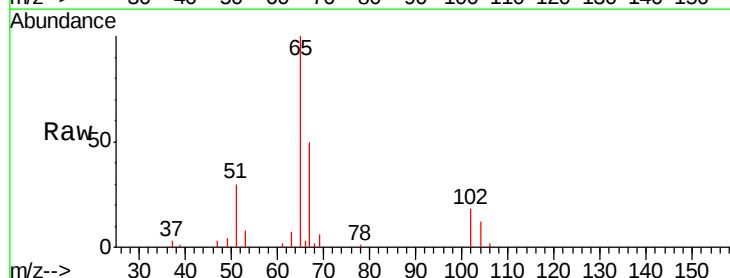


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

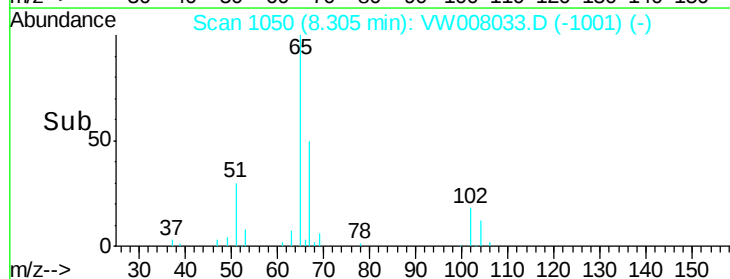
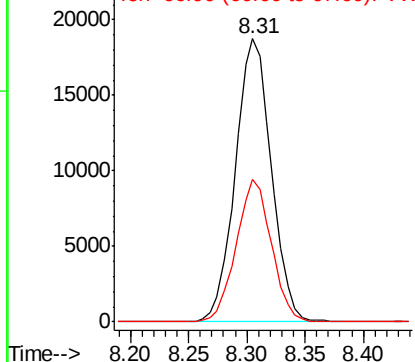


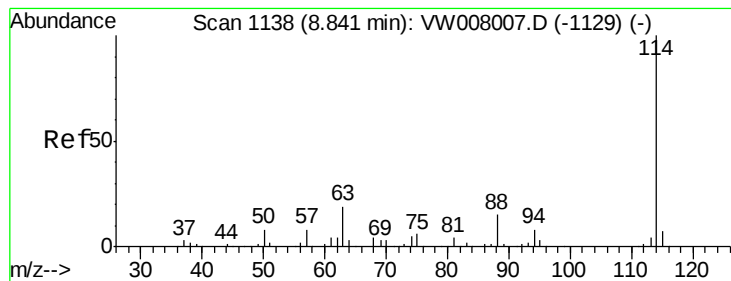
#33
1,2-Dichloroethane-d4
Concen: 57.946 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

Tgt Ion: 65 Resp: 40386
Ion Ratio Lower Upper
65 100
67 49.1 0.0 94.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

TP-3

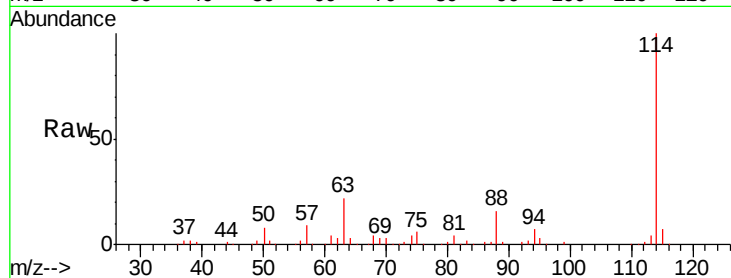
Tgt Ion:114 Resp: 110063

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

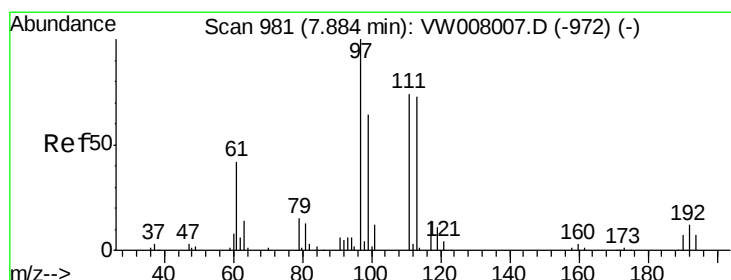
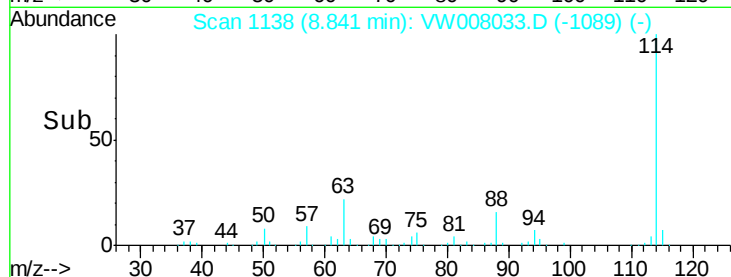
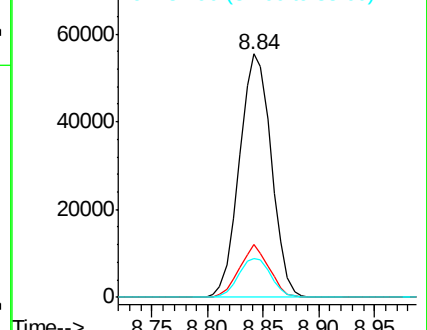
88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.651 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

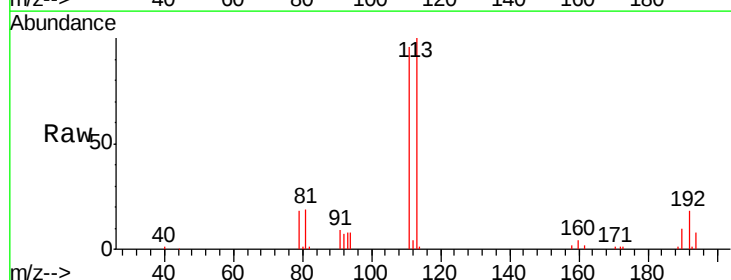
Tgt Ion:113 Resp: 35144

Ion Ratio Lower Upper

113 100

111 100.5 81.4 122.0

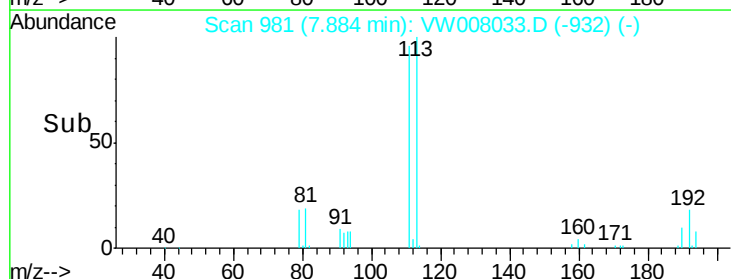
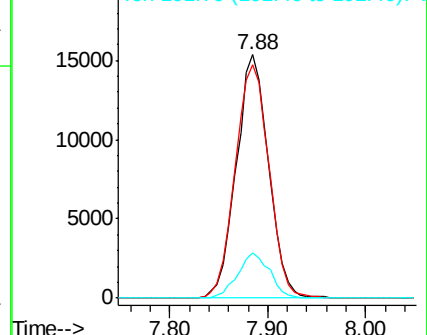
192 18.2 14.8 22.2

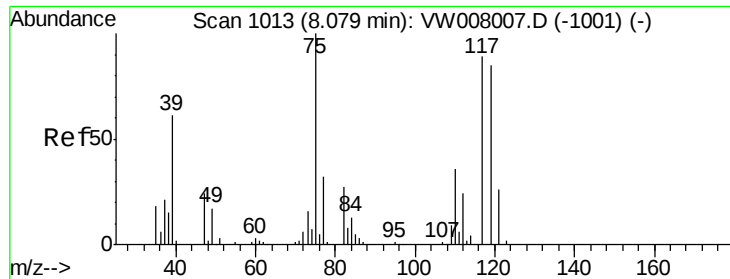


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

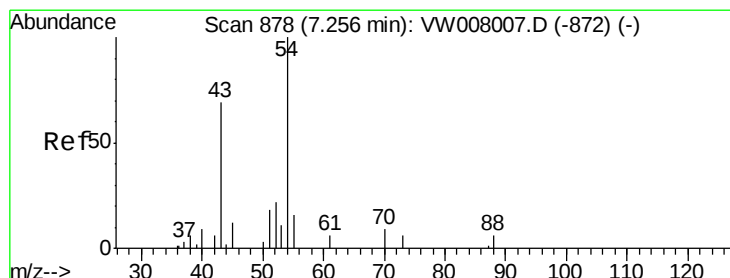
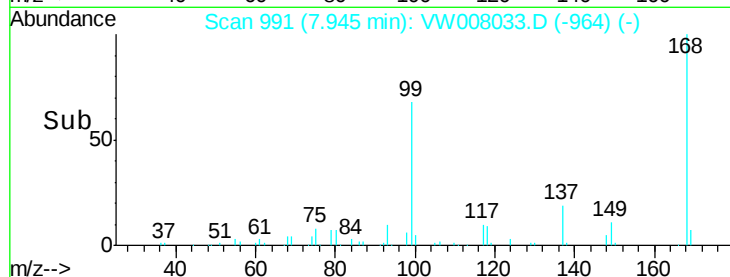
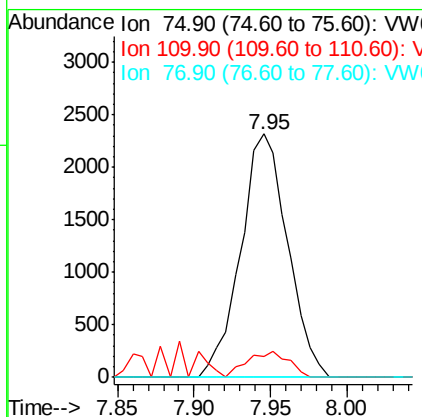
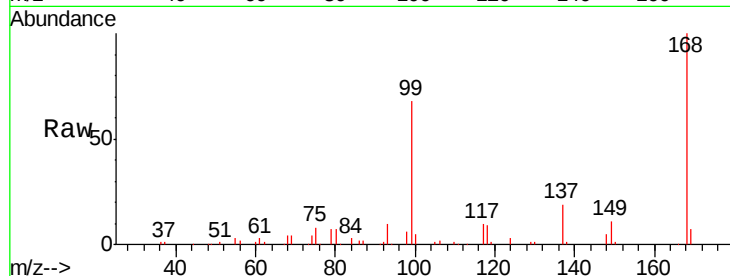




#36
 1,1-Dichloropropene
 Concen: 4.549 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008033.D
 Acq: 03 Jan 2019 20:45

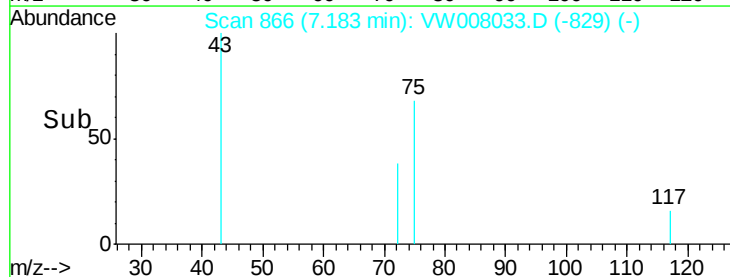
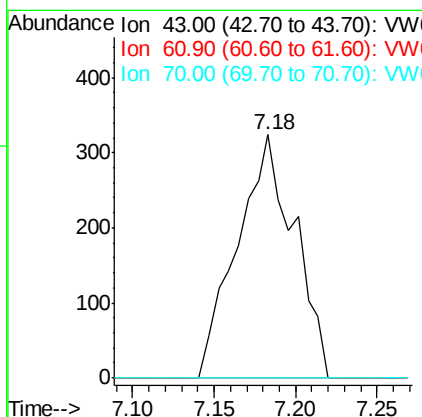
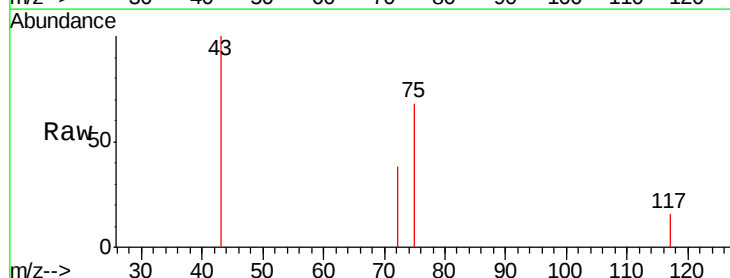
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

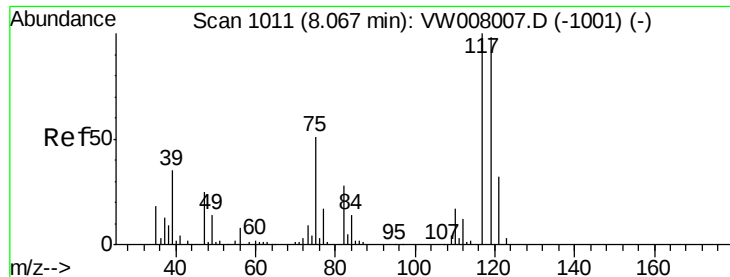
Tgt Ion: 75 Resp: 4939
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.3#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 2.413 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW008033.D
 Acq: 03 Jan 2019 20:45

Tgt Ion: 43 Resp: 787
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 5.248 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

TP-3

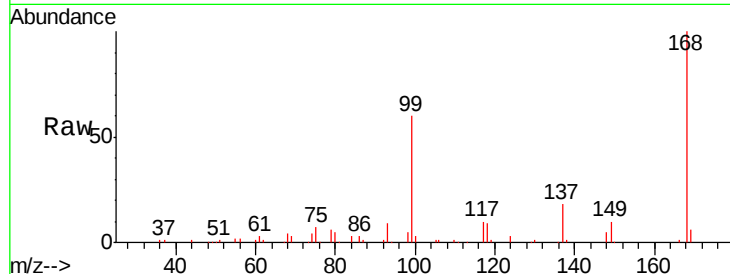
Tgt Ion:117 Resp: 6828

Ion Ratio Lower Upper

117 100

119 5.5 78.7 118.1#

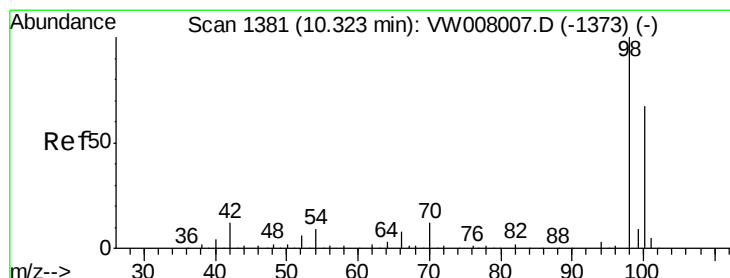
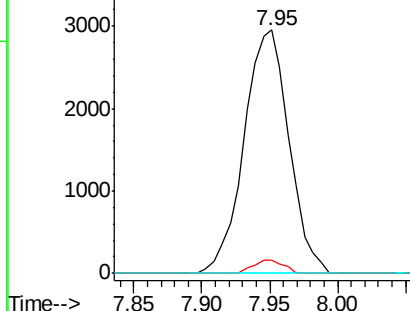
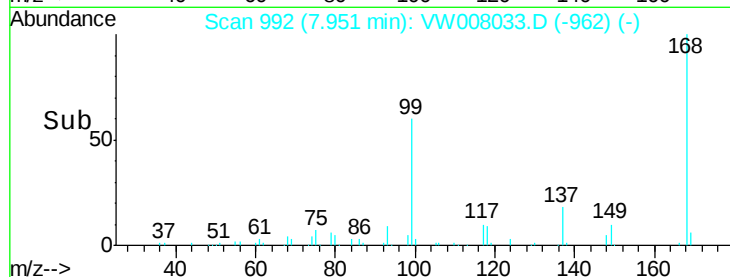
121 0.0 25.8 38.8#



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: 48.879 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008033.D

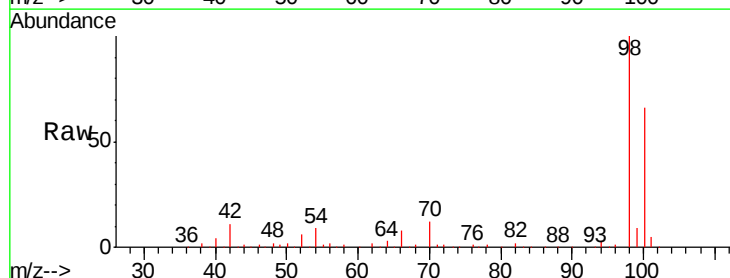
Acq: 03 Jan 2019 20:45

Tgt Ion: 98 Resp: 127220

Ion Ratio Lower Upper

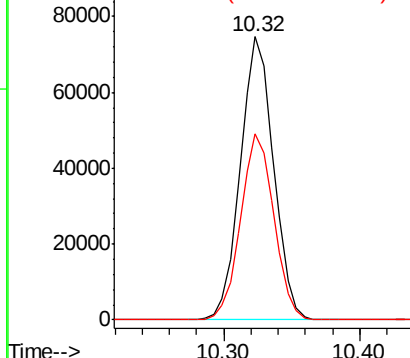
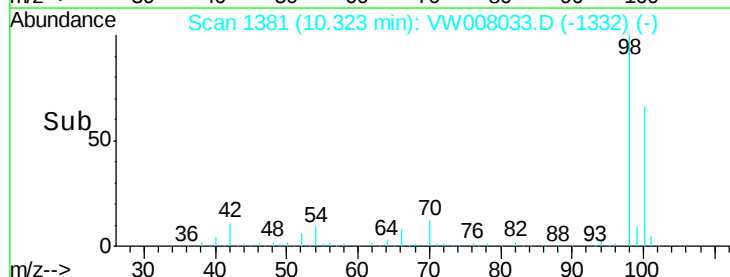
98 100

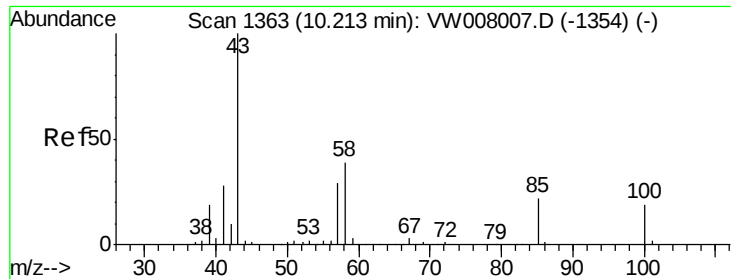
100 65.8 52.9 79.3



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: 1.727 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampled :

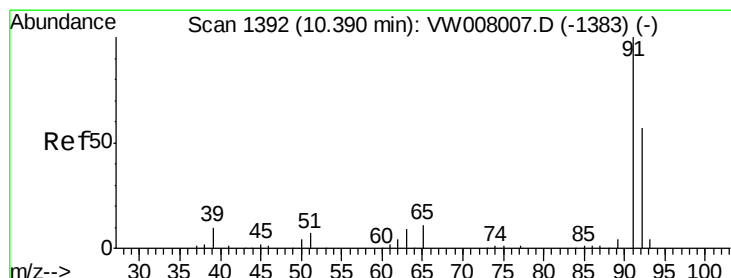
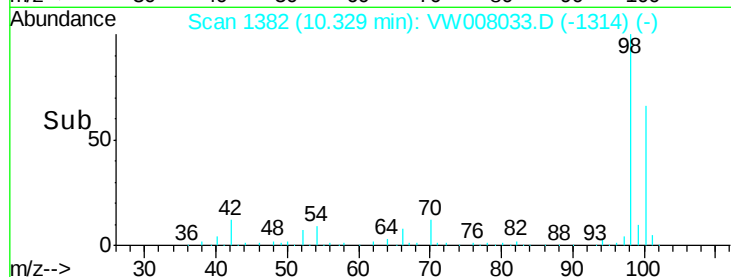
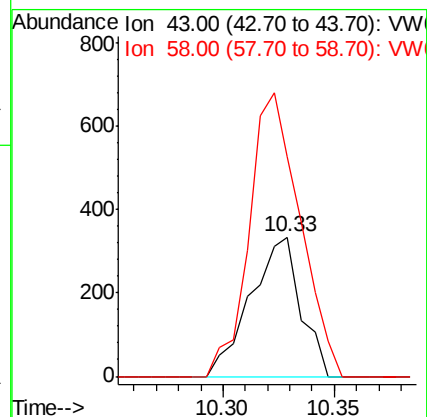
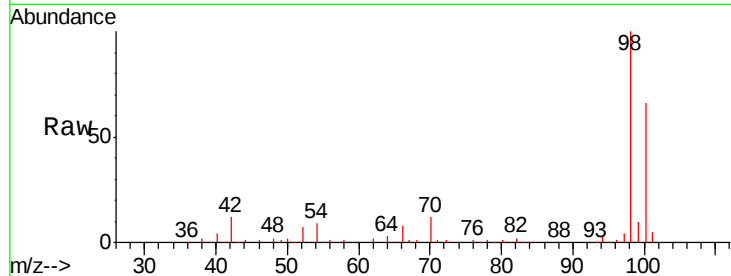
TP-3

Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

58 206.7 32.0 48.0#



#52

Toluene

Concen: 2.258 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008033.D

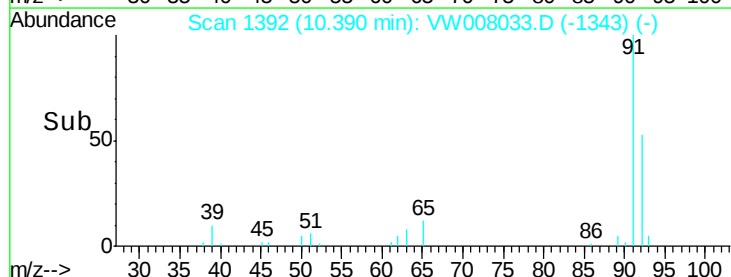
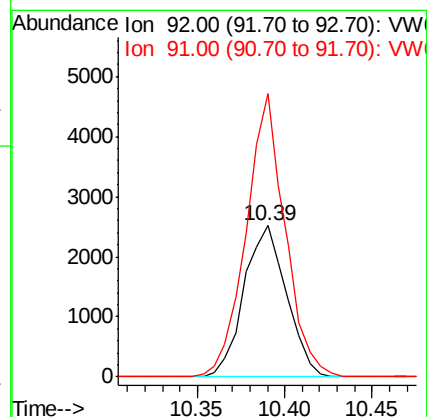
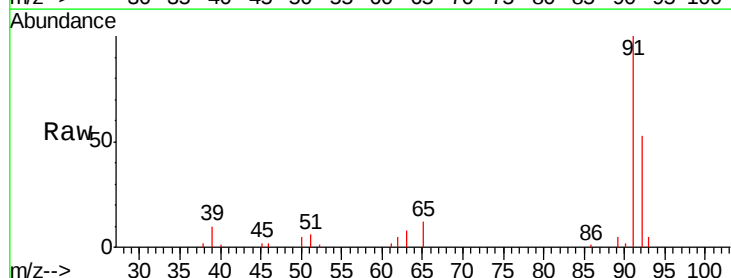
Acq: 03 Jan 2019 20:45

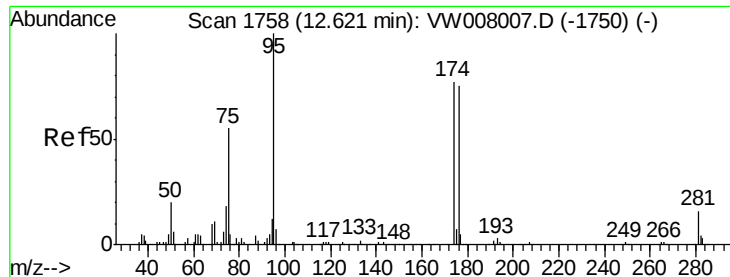
Tgt Ion: 92 Resp: 4269

Ion Ratio Lower Upper

92 100

91 171.6 136.9 205.3

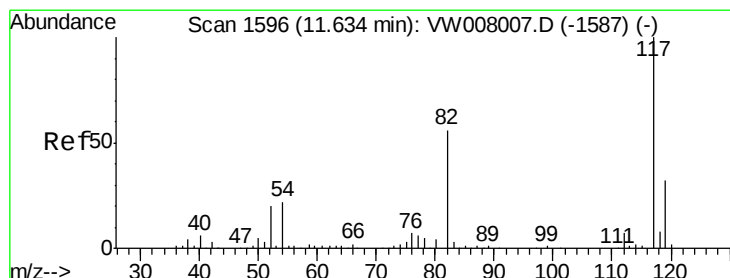
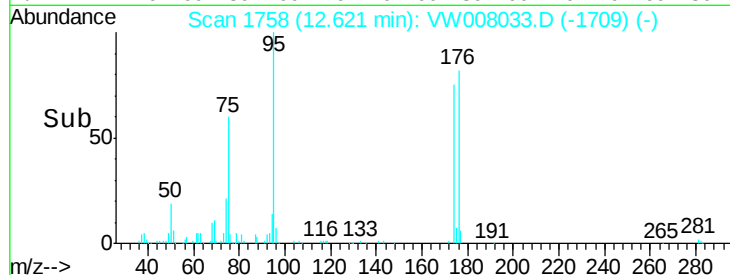
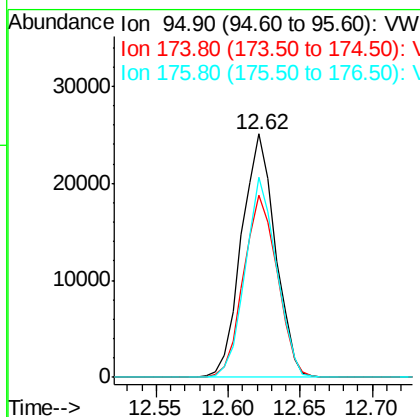
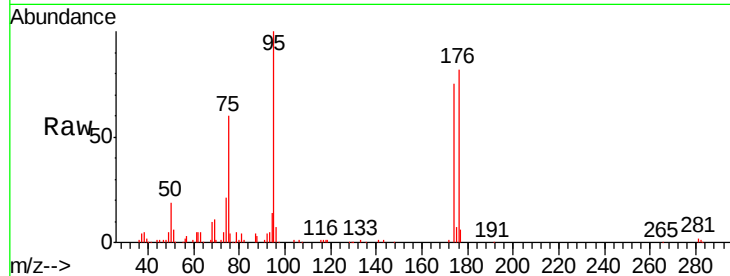




#62
4-Bromofluorobenzene
Concen: 40.869 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

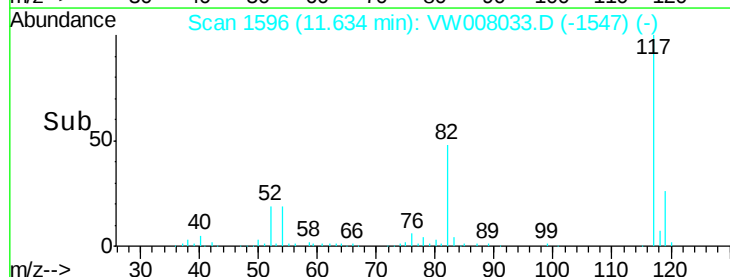
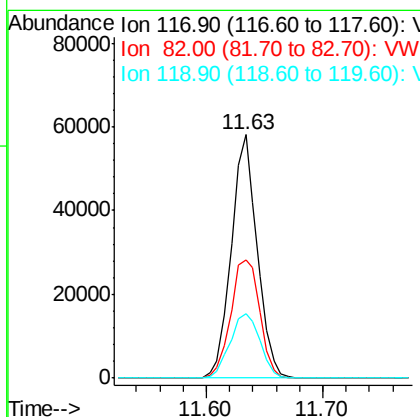
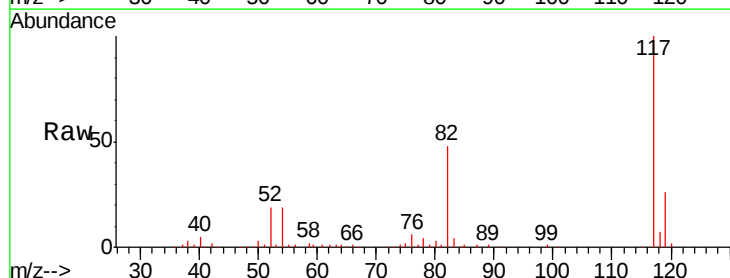
Instrument :
MSVOA_W
ClientSampleId :
TP-3

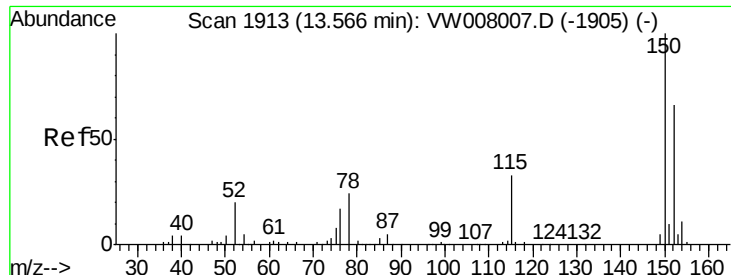
Tgt Ion: 95 Resp: 40795
Ion Ratio Lower Upper
95 100
174 74.0 0.0 149.6
176 75.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008033.D
Acq: 03 Jan 2019 20:45

Tgt Ion: 117 Resp: 89725
Ion Ratio Lower Upper
117 100
82 48.3 44.8 67.2
119 26.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampled :

TP-3

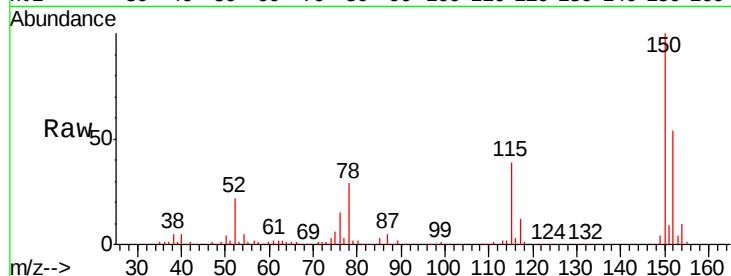
Tgt Ion:152 Resp: 37524

Ion Ratio Lower Upper

152 100

115 68.7 32.1 96.5

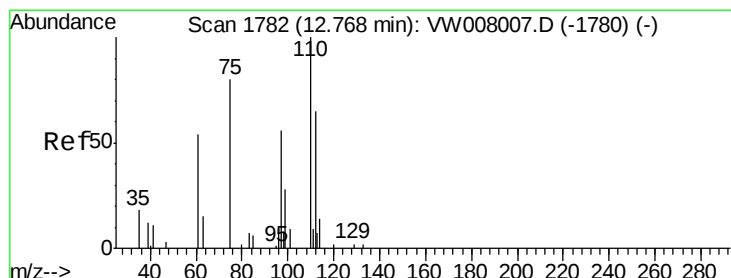
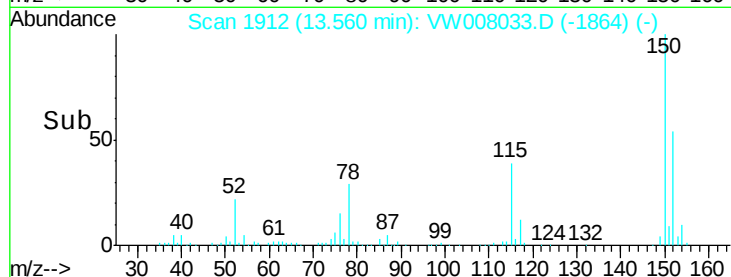
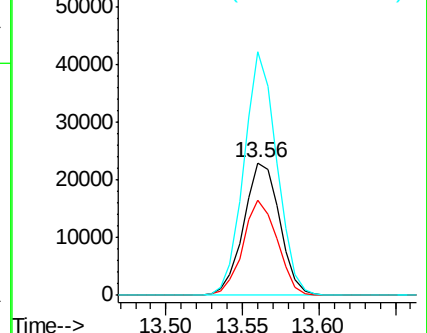
150 168.2 0.0 345.0



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: 77.887 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008033.D

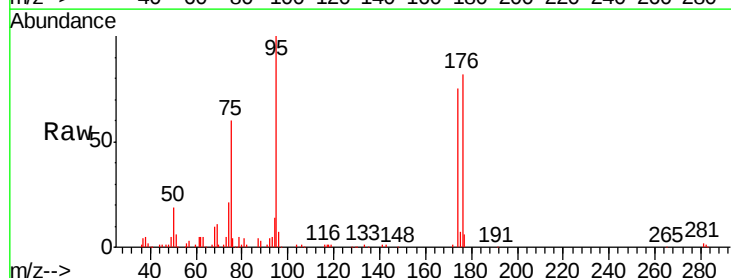
Acq: 03 Jan 2019 20:45

Tgt Ion: 75 Resp: 23251

Ion Ratio Lower Upper

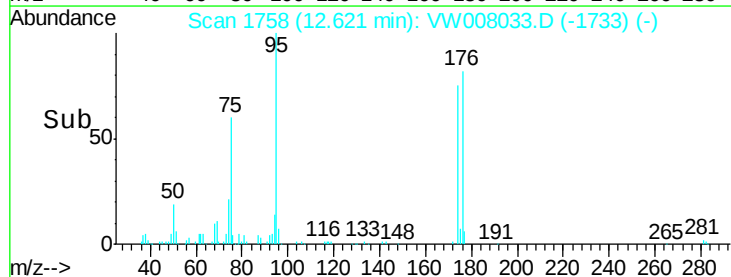
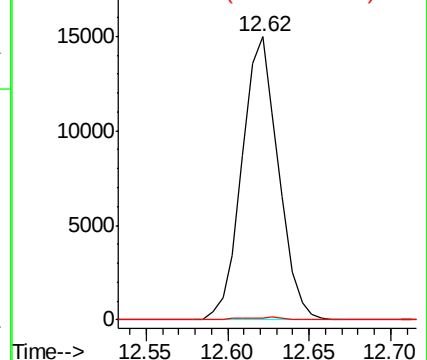
75 100

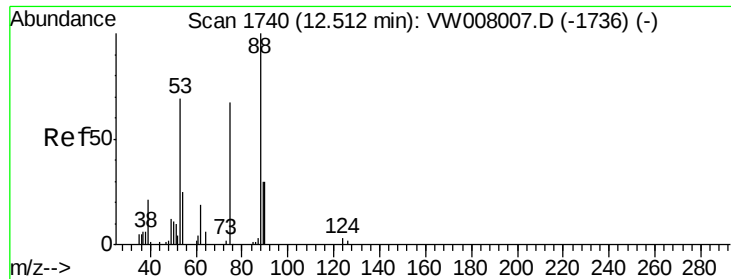
77 1.0 186.2 558.6#



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: 184.191 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008033.D

Acq: 03 Jan 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

TP-3

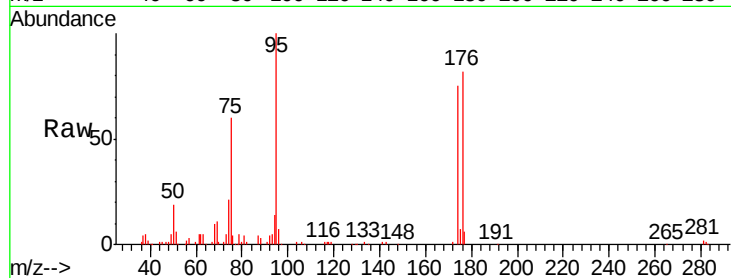
Tgt Ion: 75 Resp: 23251

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 42.2 63.2#



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

