

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
 Data File : VW008032.D
 Acq On : 03 Jan 2019 20:18
 Operator : SY/AP
 Sample : K1017-05RE
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

Quant Time: Jan 04 00:34:00 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	66616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	113121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	85680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	36090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	40928	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
35) Dibromofluoromethane	7.88	113	35957	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.32	98	132940	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	42232	41.17	ug/l	0.00
Spiked Amount			Recovery	=	82.34%	

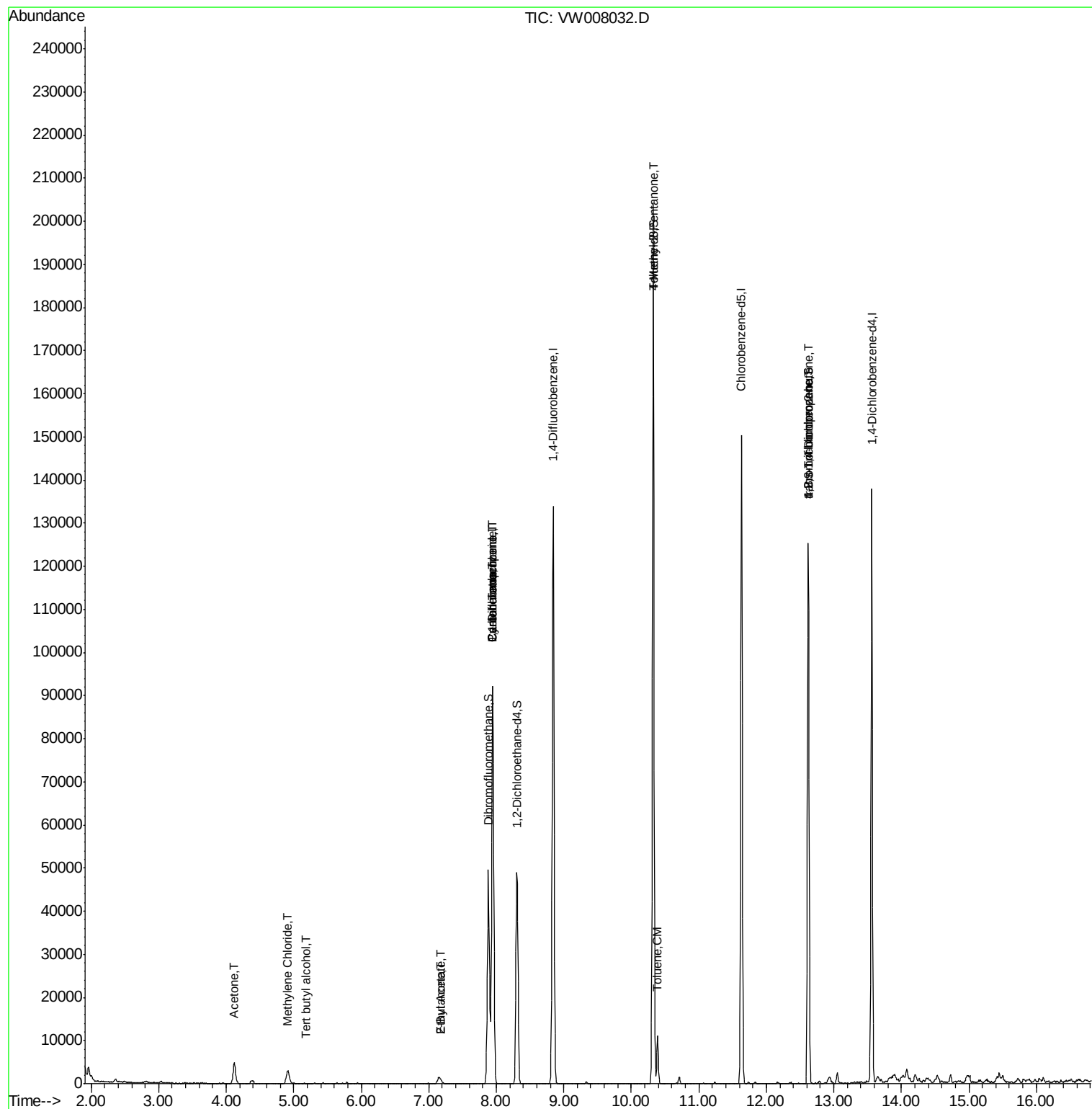
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	169	3.530	ug/l #	71
16) Acetone	4.12	43	8444	74.034	ug/l	98
20) Methylene Chloride	4.92	84	2516	1.260	ug/l	95
25) 2-Butanone	7.18	43	1390	10.344	ug/l	93
31) Cyclohexane	7.95	56	1556	1.382	ug/l #	36
36) 1,1-Dichloropropene	7.94	75	5438	4.873	ug/l #	49
37) Ethyl Acetate	7.18	43	1390	4.147	ug/l #	67
38) Carbon Tetrachloride	7.95	117	7295	5.455	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	688	2.219	ug/l #	1
52) Toluene	10.39	92	4828	2.484	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	22414	78.067	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	22414	184.615	ug/l #	6

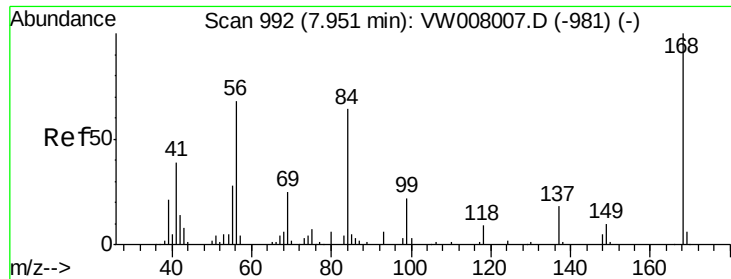
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

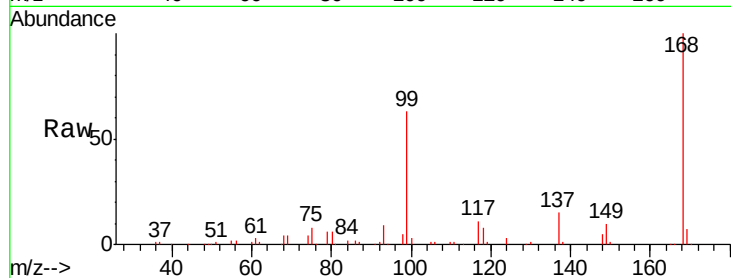
Instrument :
MSVOA_W
ClientSampled :
TP-2

Tgt Ion: 168 Resp: 66616

Ion Ratio Lower Upper

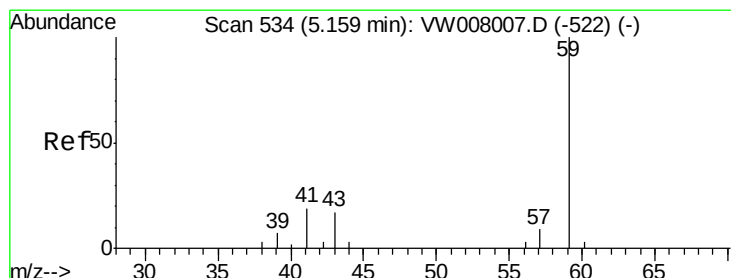
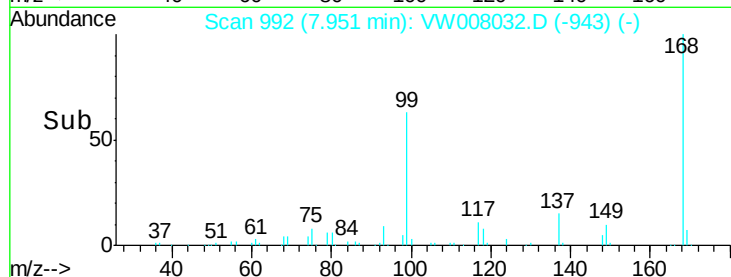
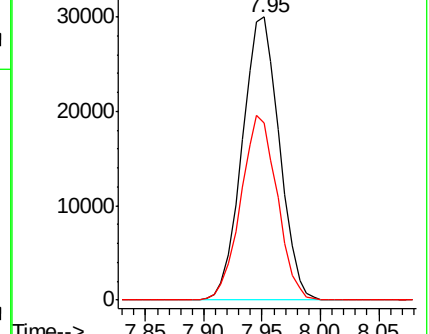
168 100

99 62.8 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.530 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW008032.D

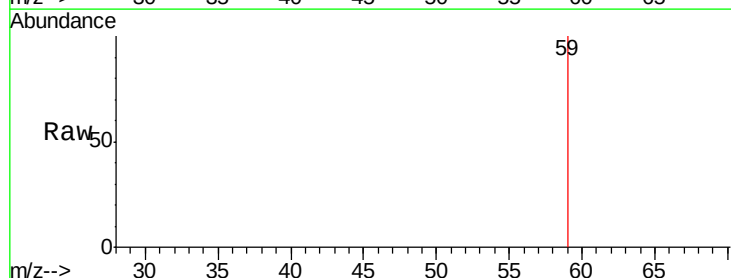
Acq: 03 Jan 2019 20:18

Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

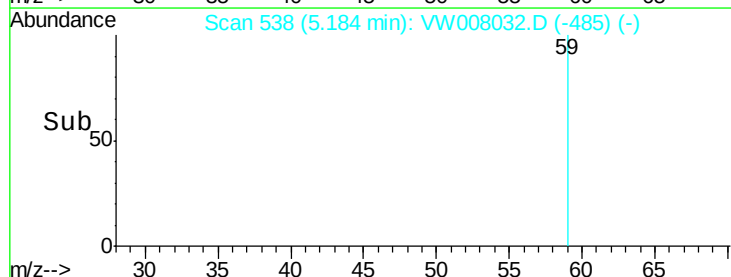
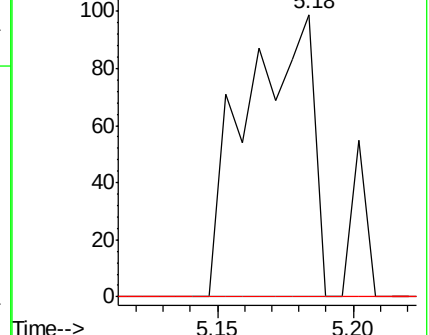
59 100

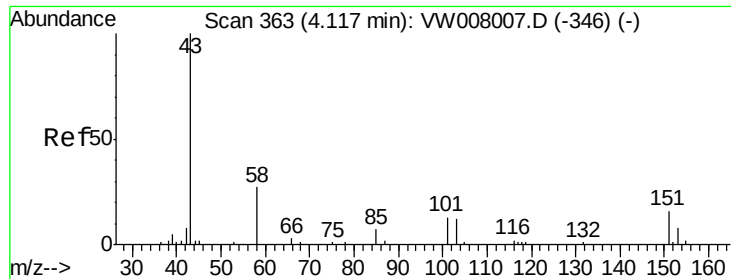
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 74.034 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

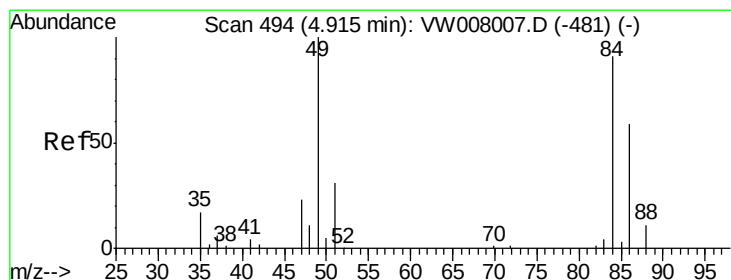
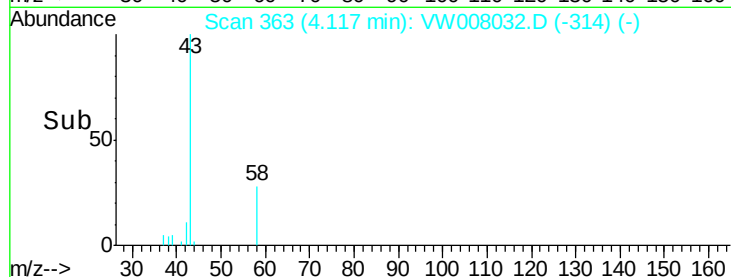
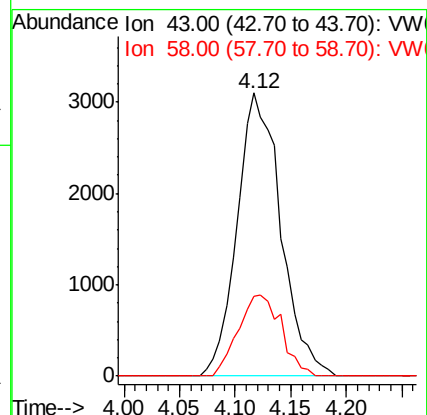
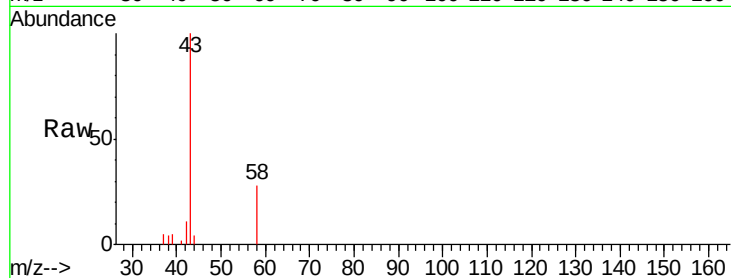
TP-2

Tgt Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

58 28.4 21.7 32.5



#20

Methylene Chloride

Concen: 1.260 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Tgt Ion: 84 Resp: 2516

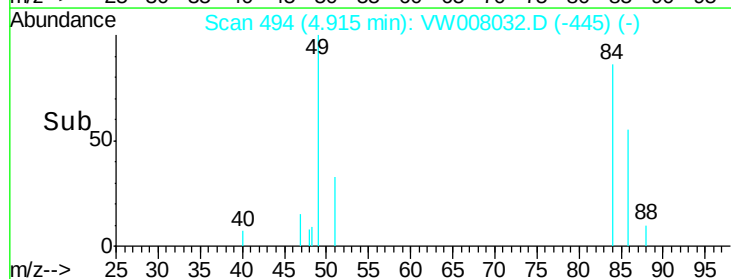
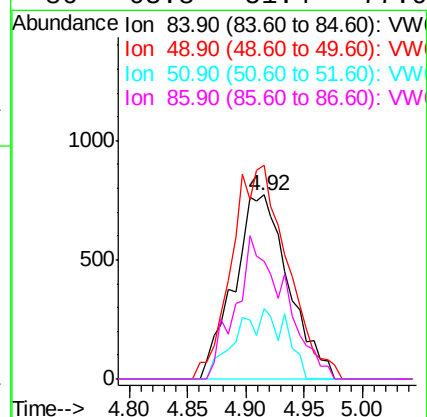
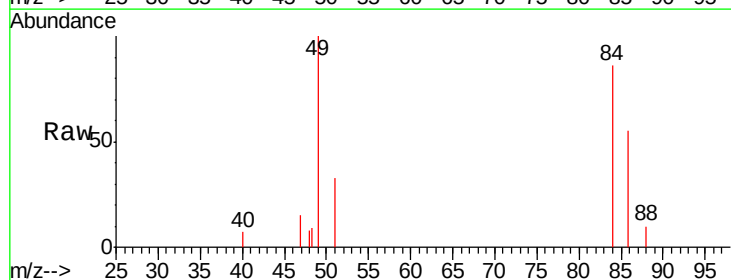
Ion Ratio Lower Upper

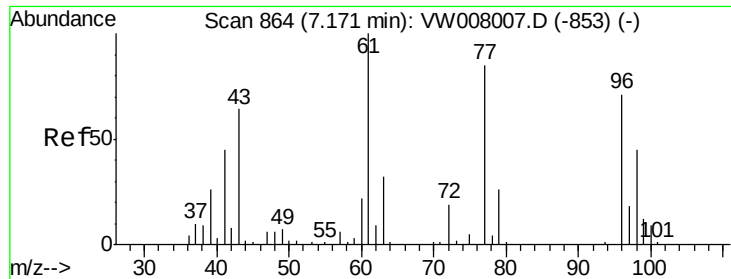
84 100

49 116.2 87.7 131.5

51 38.4 27.3 40.9

86 63.8 51.4 77.0





#25

2-Butanone

Concen: 10.344 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

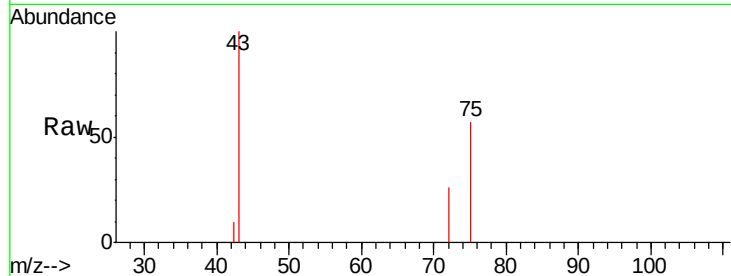
TP-2

Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

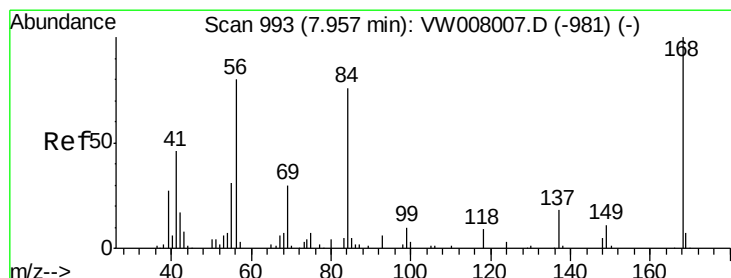
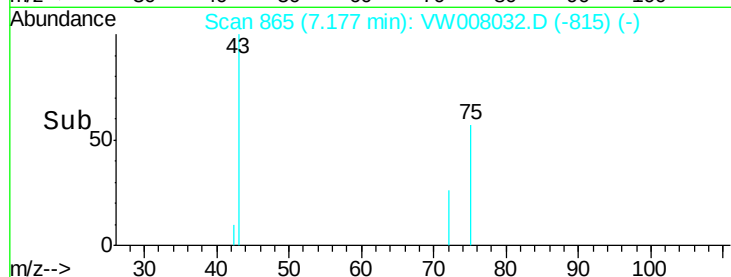
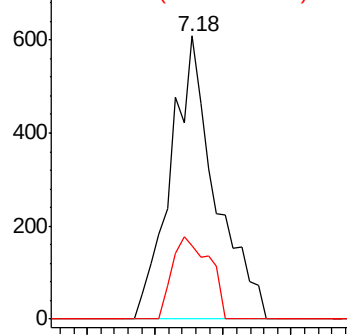
43 100

72 26.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

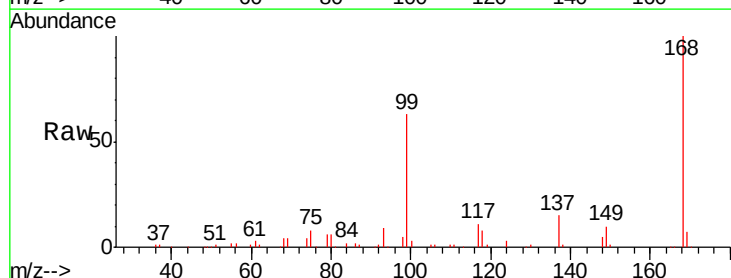
Tgt Ion: 56 Resp: 1556

Ion Ratio Lower Upper

56 100

69 172.4 29.8 44.6#

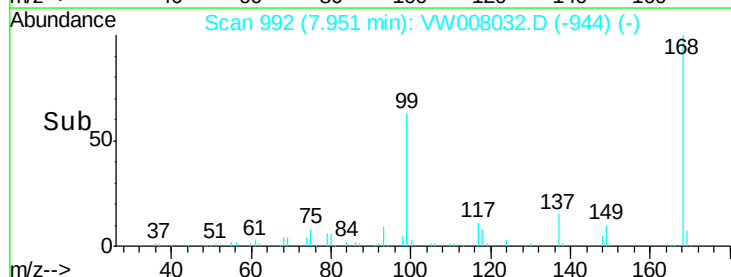
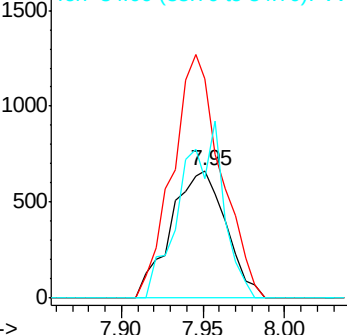
84 94.1 75.2 112.8

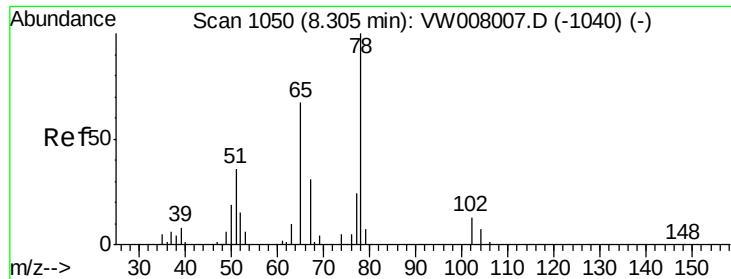


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

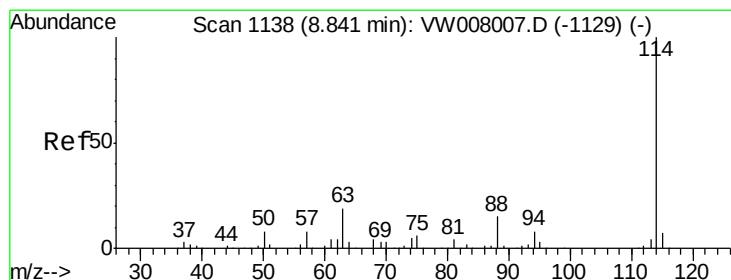
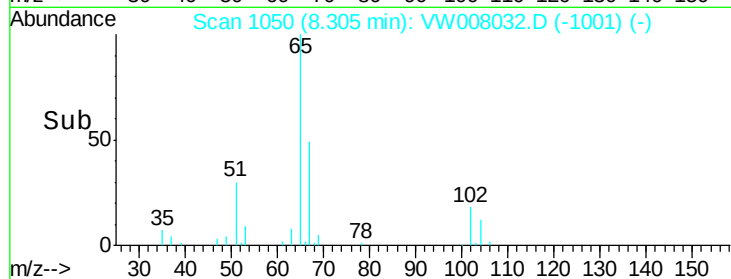
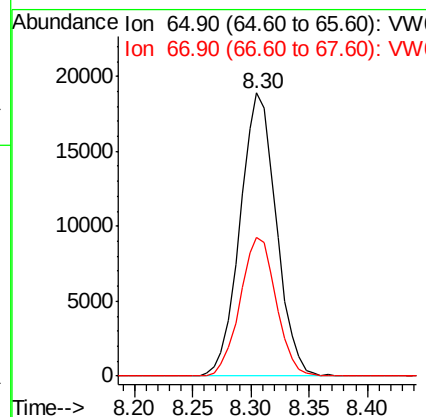
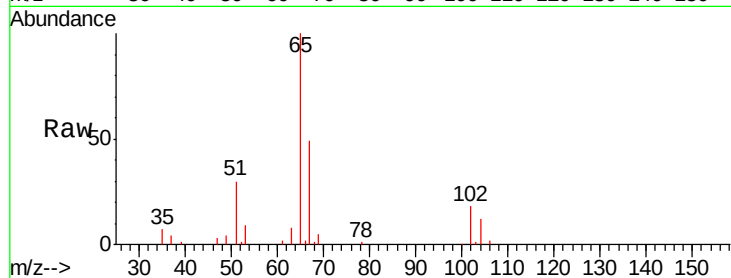




#33
 1,2-Dichloroethane-d4
 Concen: 55.547 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008032.D
 Acq: 03 Jan 2019 20:18

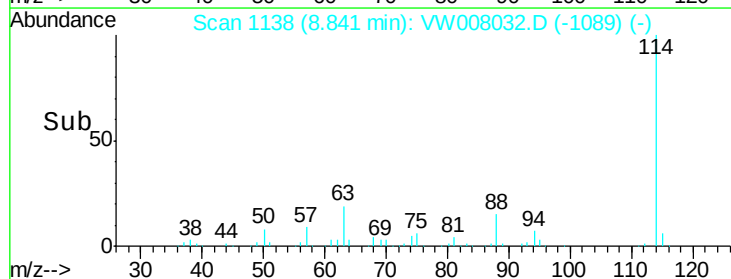
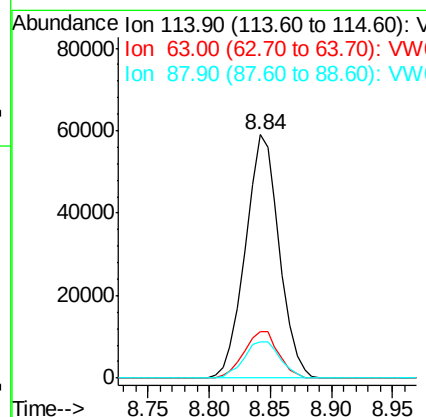
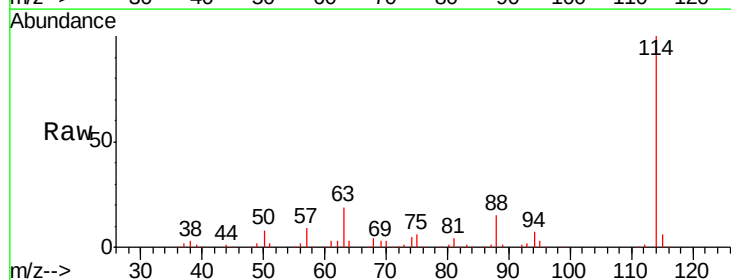
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

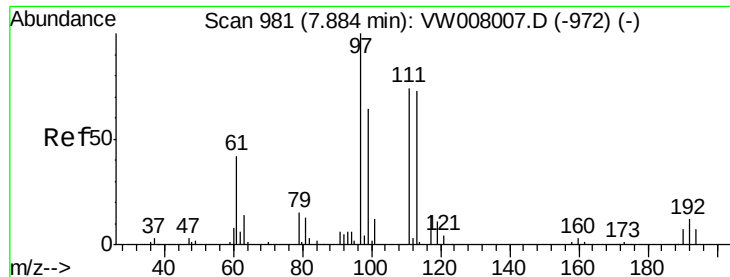
Tgt Ion: 65 Resp: 40928
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 94.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008032.D
 Acq: 03 Jan 2019 20:18

Tgt Ion: 114 Resp: 113121
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 14.9 0.0 31.0

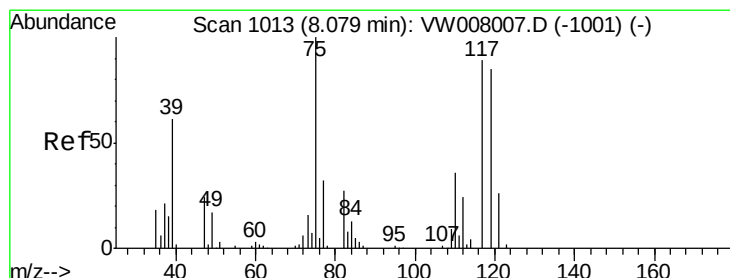
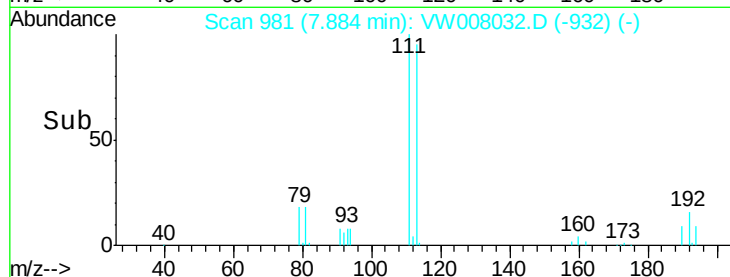
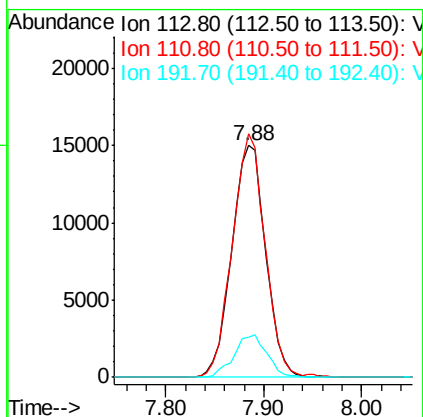
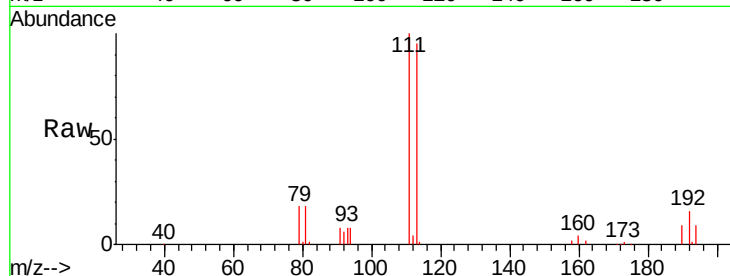




#35
 Dibromofluoromethane
 Concen: 50.422 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008032.D
 Acq: 03 Jan 2019 20:18

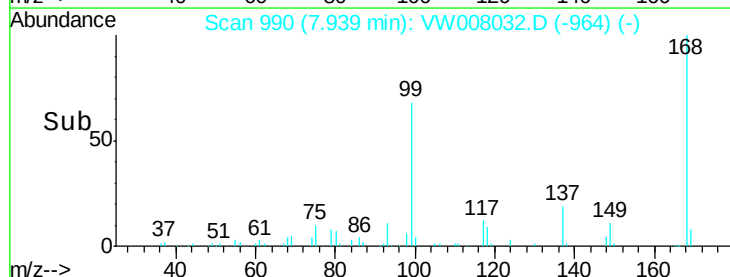
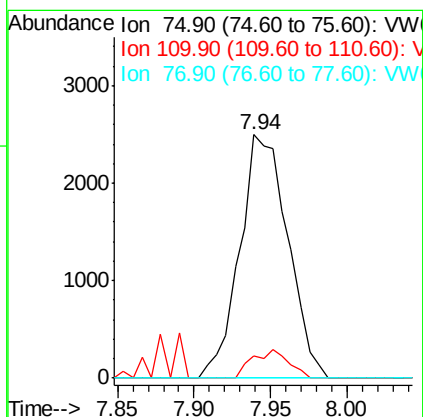
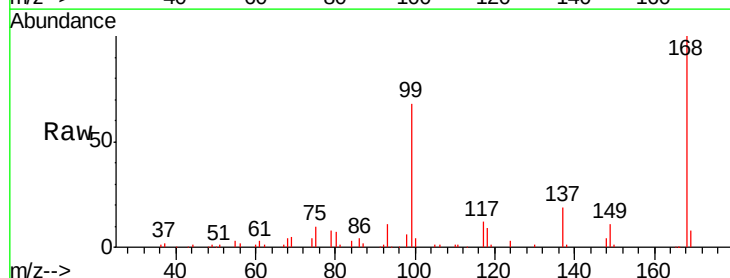
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2

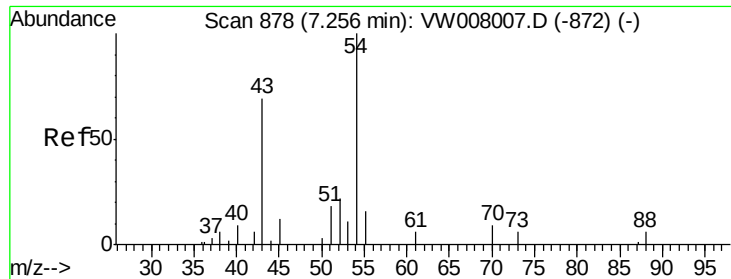
Tgt Ion:113 Resp: 35957
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 17.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008032.D
 Acq: 03 Jan 2019 20:18

Tgt Ion: 75 Resp: 5438
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.3 37.9#

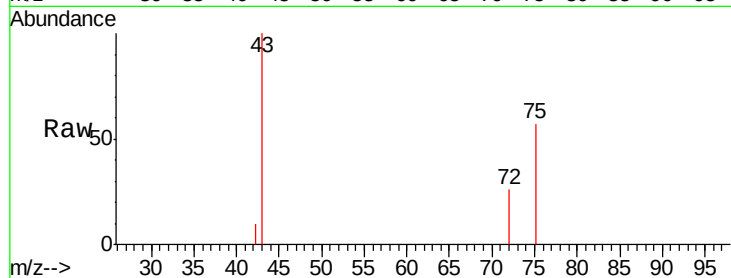




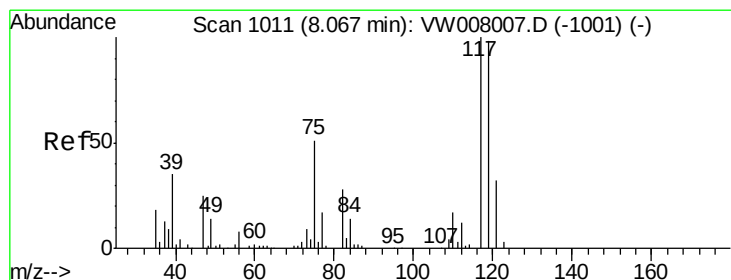
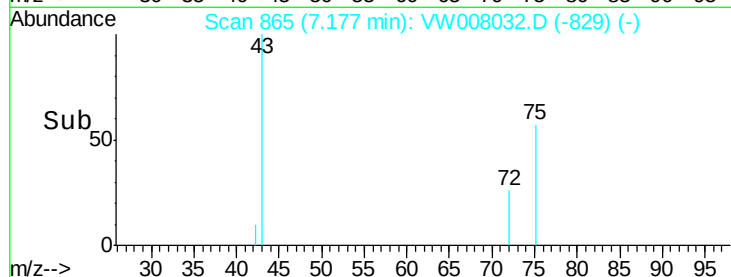
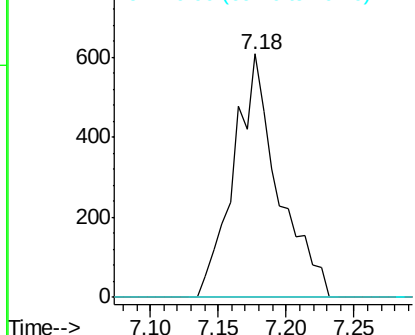
#37
Ethyl Acetate
Concen: 4.147 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW008032.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_W
ClientSampled :
TP-2

Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 9.4 14.0#

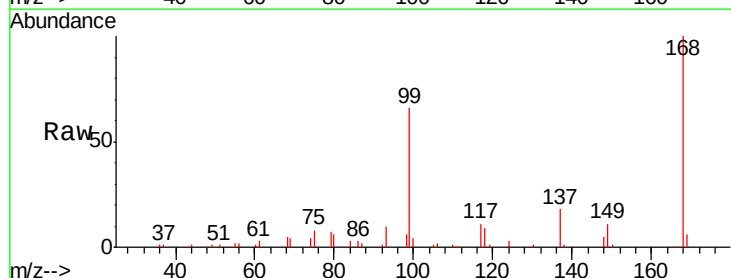


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

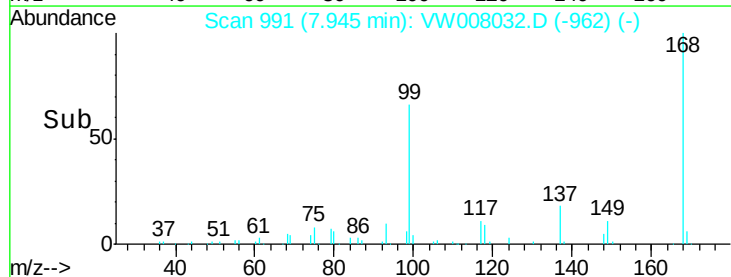
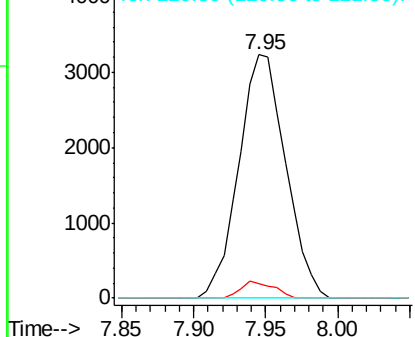


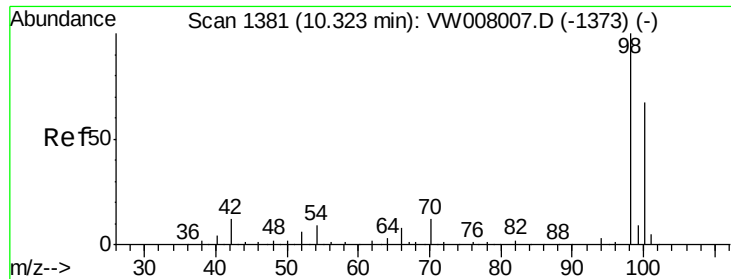
#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008032.D
Acq: 03 Jan 2019 20:18

Tgt Ion: 117 Resp: 7295
Ion Ratio Lower Upper
117 100
119 5.8 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: 49.696 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_W

ClientSampled :

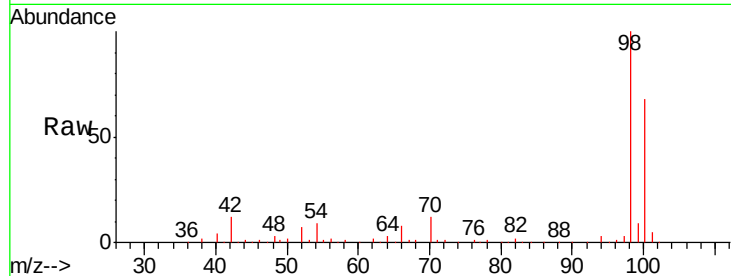
TP-2

Tgt Ion: 98 Resp: 132940

Ion Ratio Lower Upper

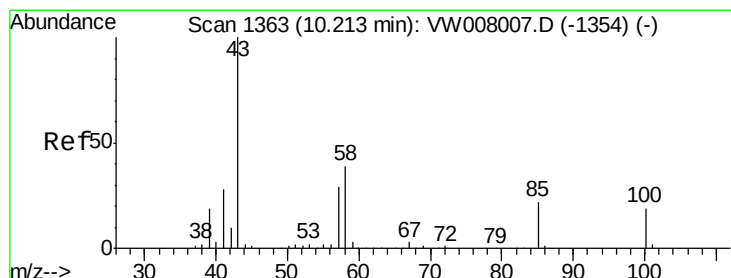
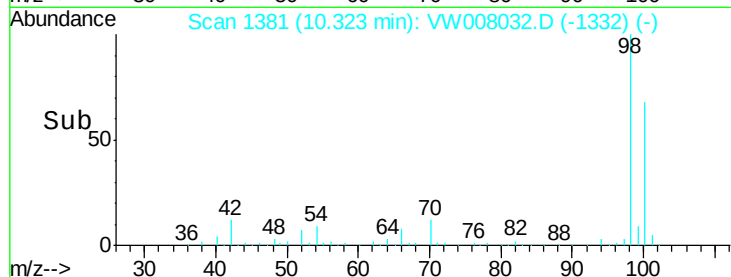
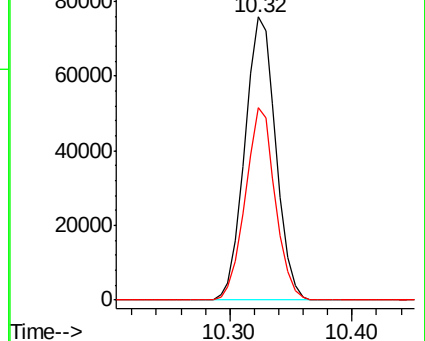
98 100

100 65.6 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: 2.219 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW008032.D

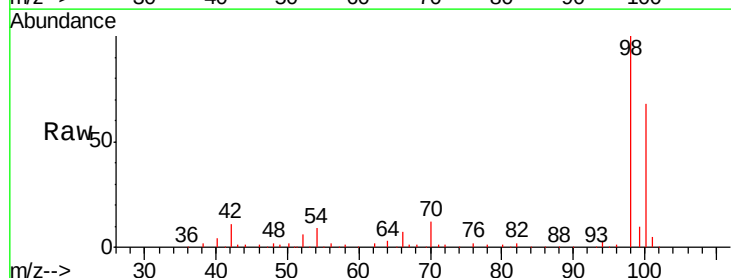
Acq: 03 Jan 2019 20:18

Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

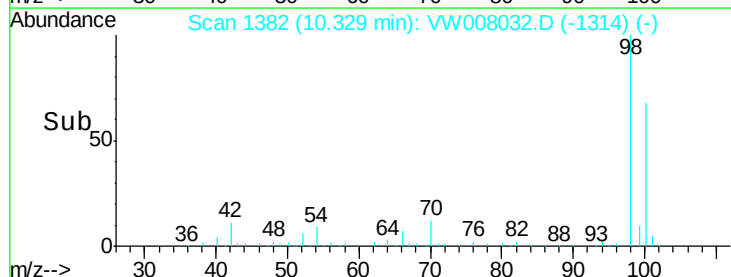
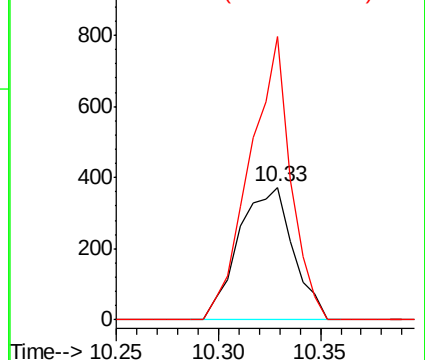
43 100

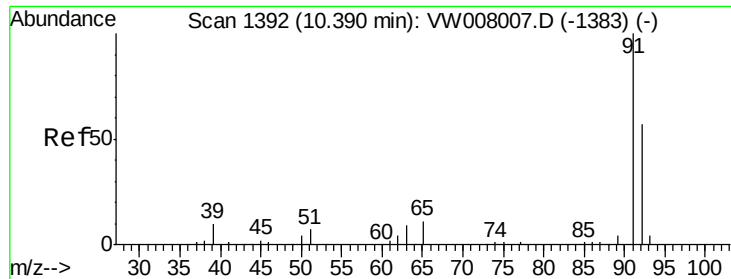
58 162.6 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 2.484 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_W

ClientSampled :

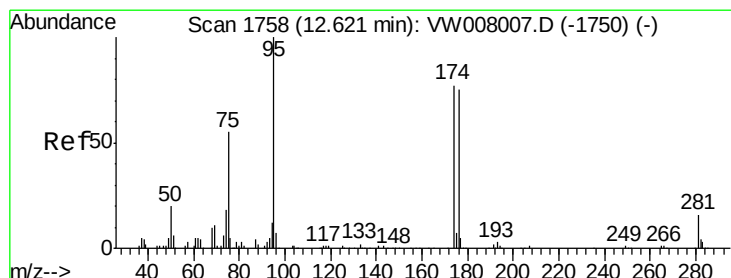
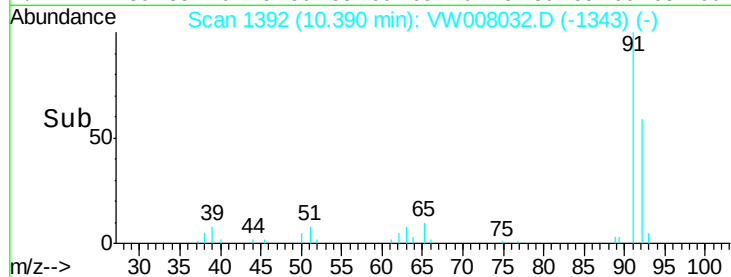
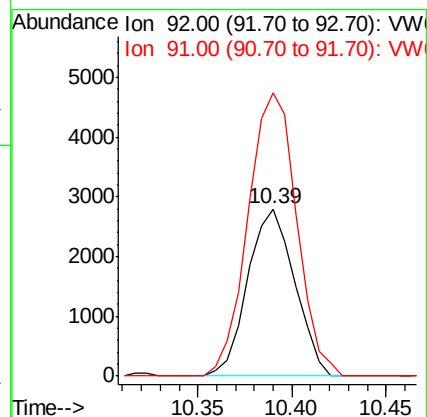
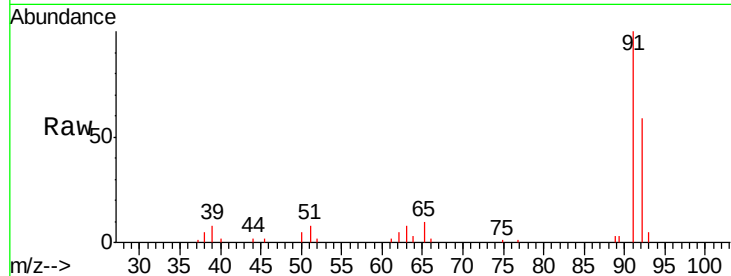
TP-2

Tgt Ion: 92 Resp: 4828

Ion Ratio Lower Upper

92 100

91 175.6 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 41.165 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

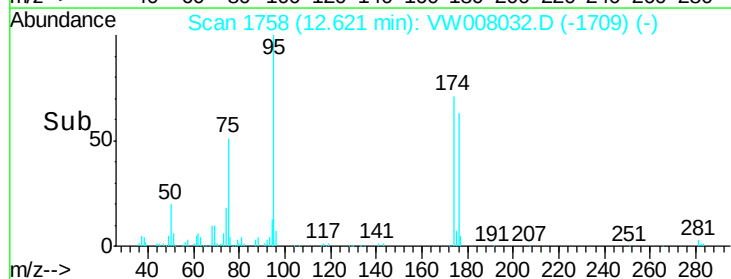
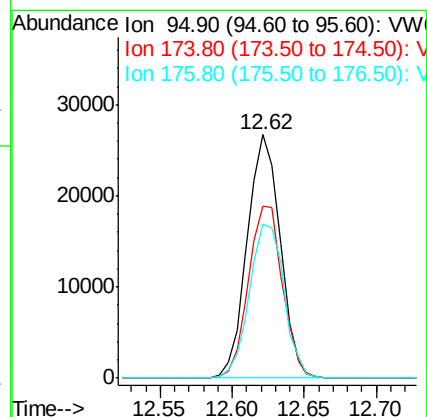
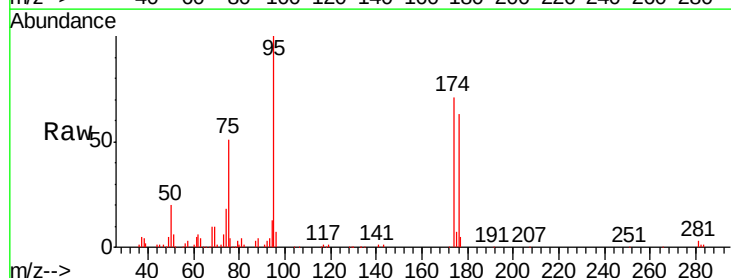
Tgt Ion: 95 Resp: 42232

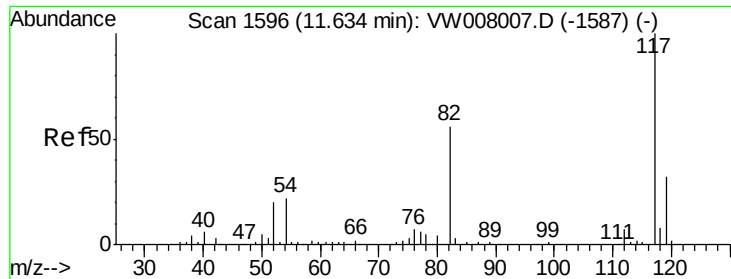
Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.6

176 66.7 0.0 145.4

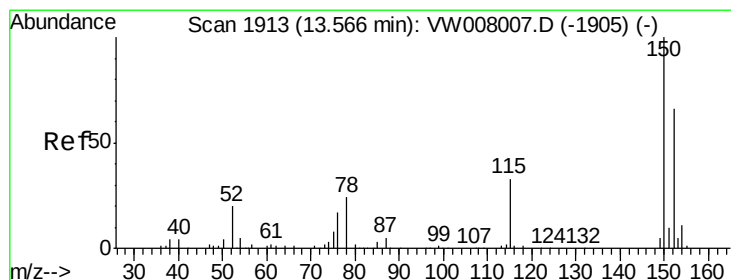
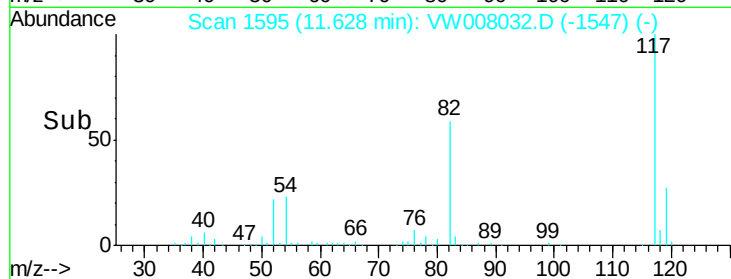
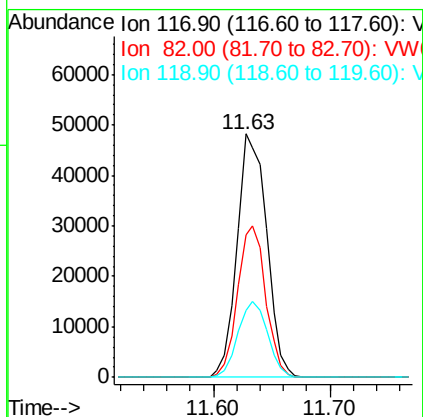
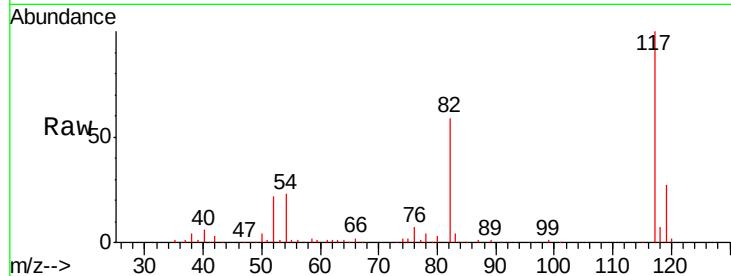




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008032.D
Acq: 03 Jan 2019 20:18

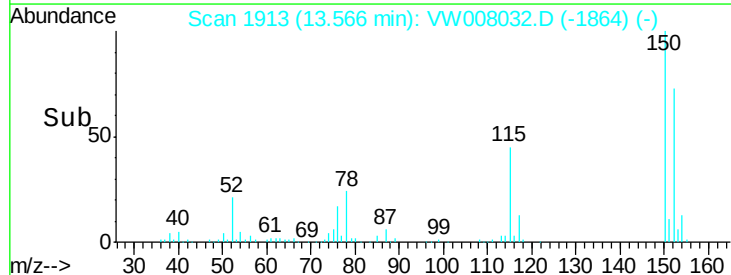
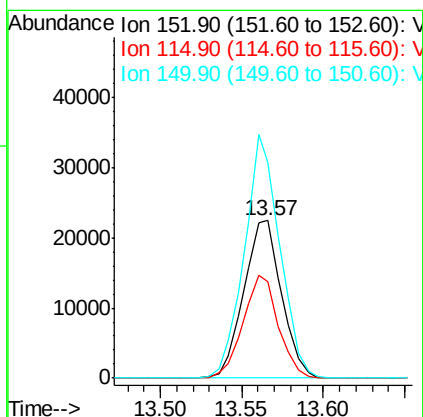
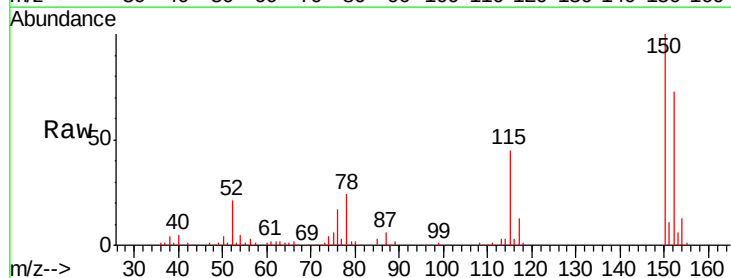
Instrument :
MSVOA_W
ClientSampleId :
TP-2

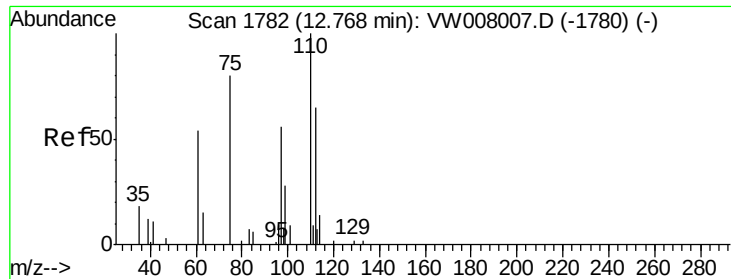
Tgt Ion:117 Resp: 85680
Ion Ratio Lower Upper
117 100
82 58.6 44.8 67.2
119 27.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW008032.D
Acq: 03 Jan 2019 20:18

Tgt Ion:152 Resp: 36090
Ion Ratio Lower Upper
152 100
115 61.1 32.1 96.5
150 145.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 78.067 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

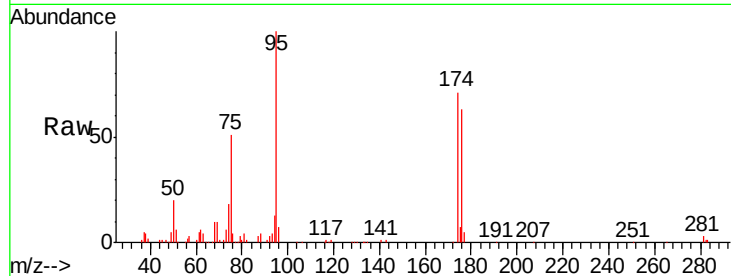
TP-2

Tgt Ion: 75 Resp: 22414

Ion Ratio Lower Upper

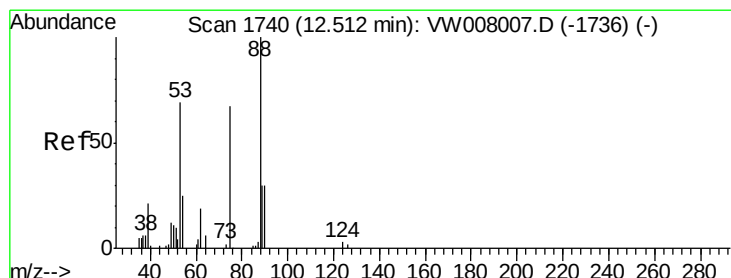
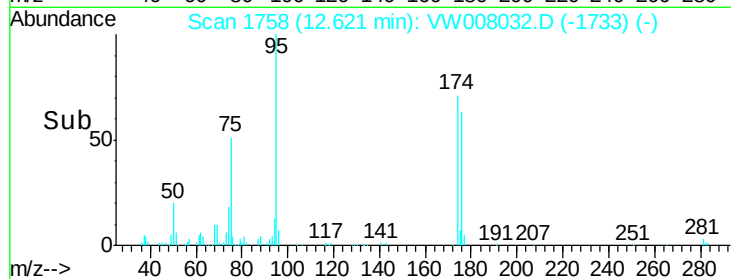
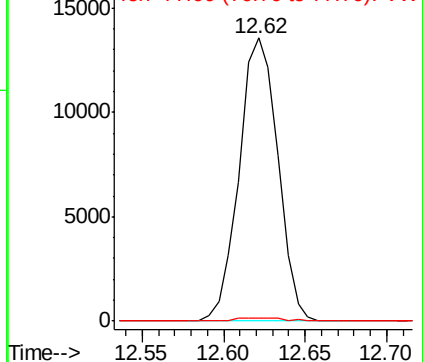
75 100

77 1.2 186.2 558.6#



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: 184.615 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008032.D

Acq: 03 Jan 2019 20:18

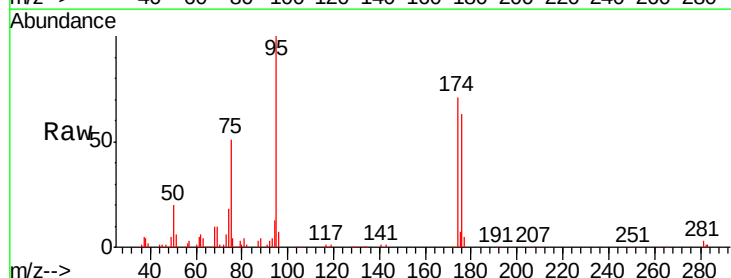
Tgt Ion: 75 Resp: 22414

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

