

Data File : VW008147.D
Acq On : 10 Jan 2019 14:35
Operator : SY/AP
Sample : K1075-08
Misc : 4.78G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BASIN-4

Quant Time: Jan 11 05:10:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	59642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44365	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	40384	60.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.50%	
35) Dibromofluoromethane	7.88	113	35810	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	10.32	98	147450	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	47826	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

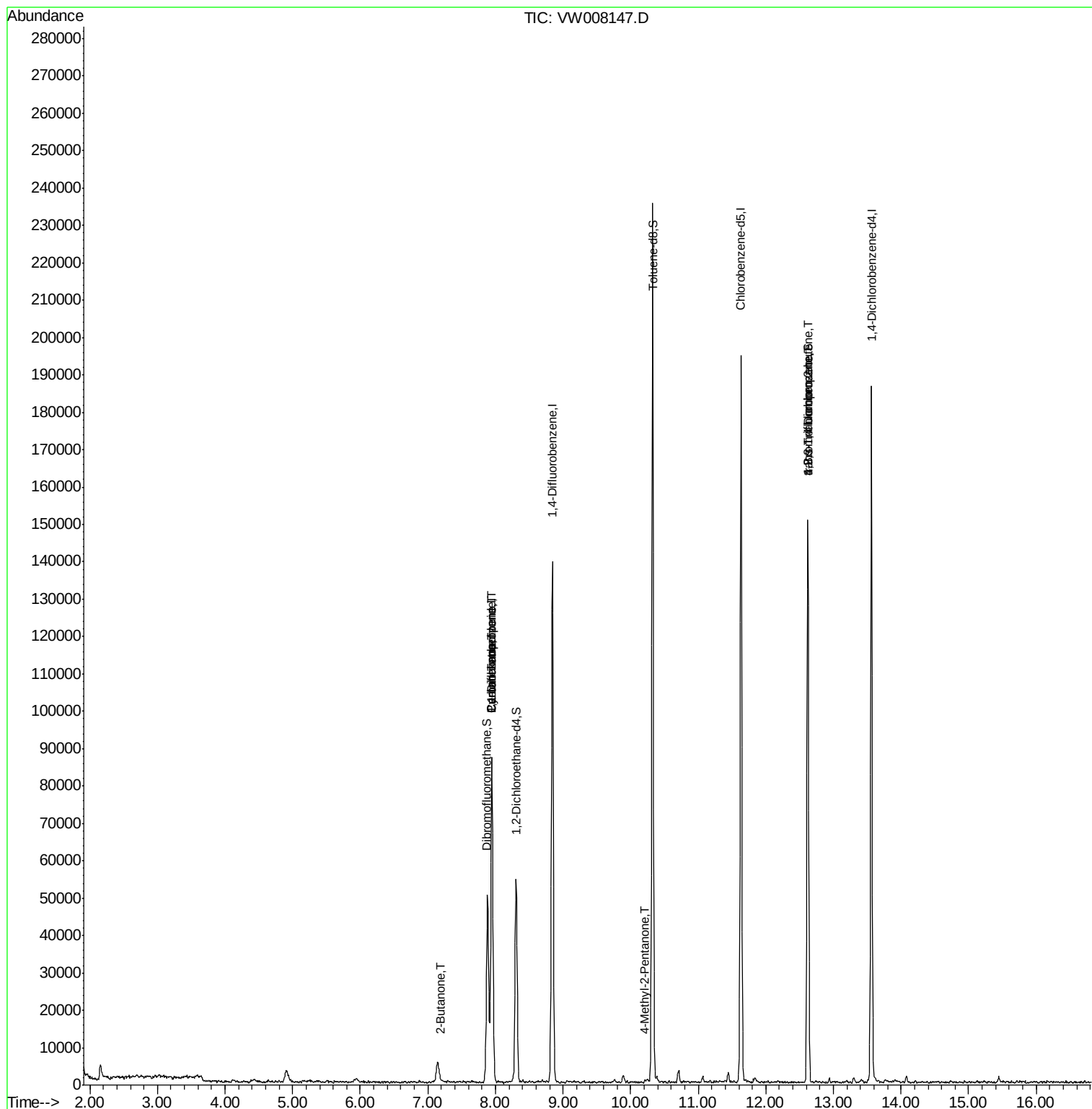
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.23	59	44	Below Cal	#	100
13) Acrolein	3.90	56	44	Below Cal	#	72
16) Acetone	4.12	43	940	Below Cal		97
20) Methylene Chloride	4.91	84	2647	Below Cal	#	82
25) 2-Butanone	7.19	43	252	1.351	ug/l #	49
31) Cyclohexane	7.95	56	1667	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5492	4.723	ug/l #	49
38) Carbon Tetrachloride	7.95	117	6386	6.000	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	517	1.147	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	25148	62.181	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	25148	144.800	ug/l #	10

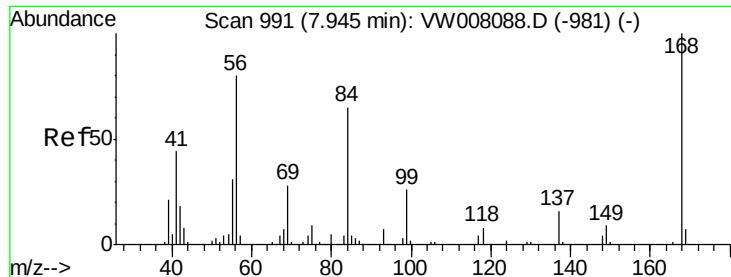
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampled :

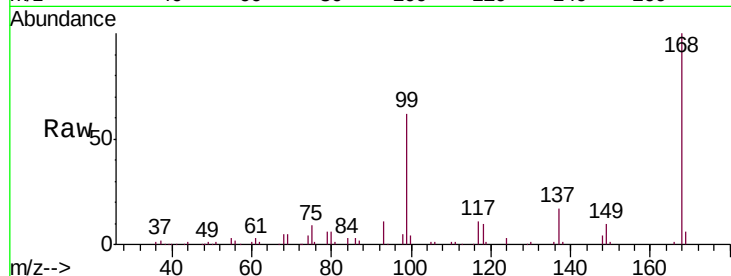
BASIN-4

Tgt Ion:168 Resp: 59642

Ion Ratio Lower Upper

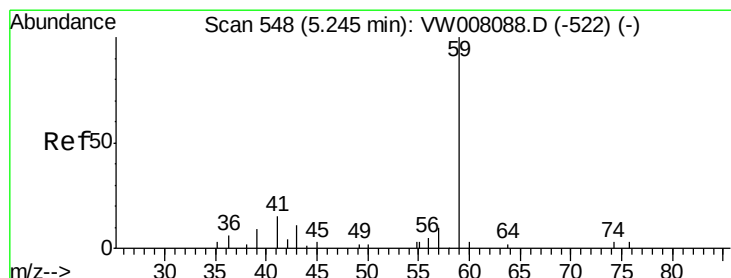
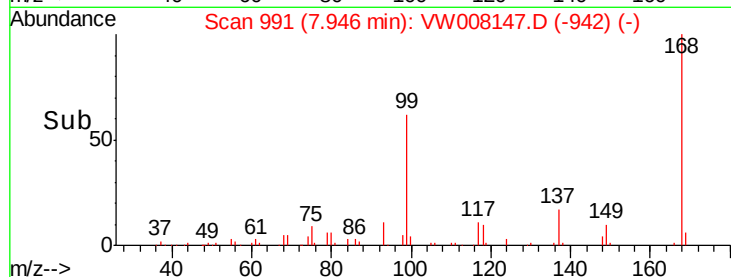
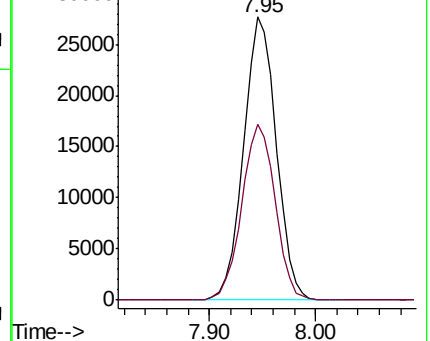
168 100

99 62.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008147.D

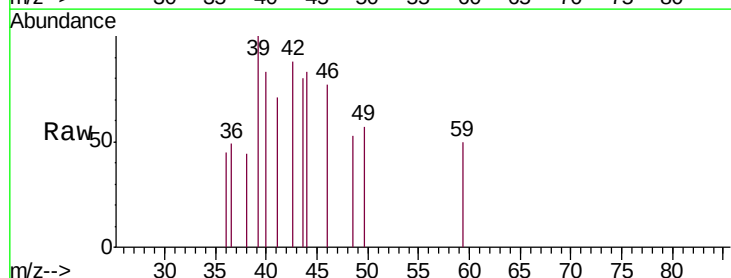
Acq: 10 Jan 2019 14:35

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

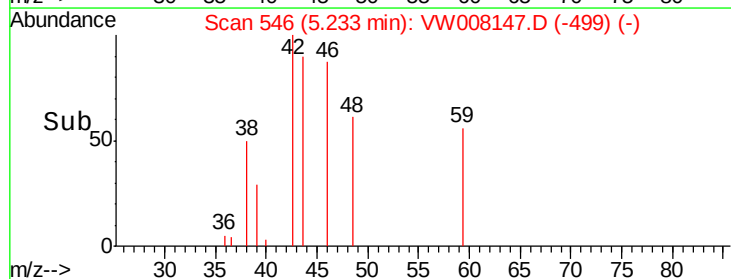
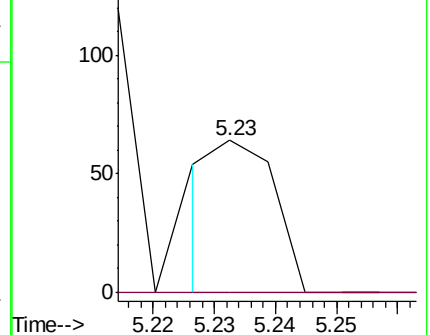
59 100

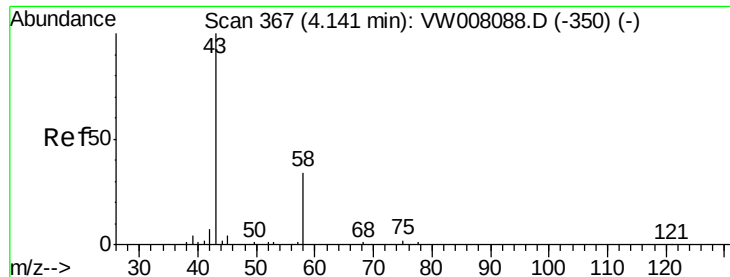
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

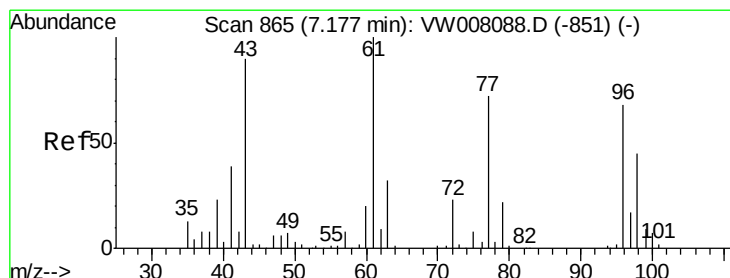
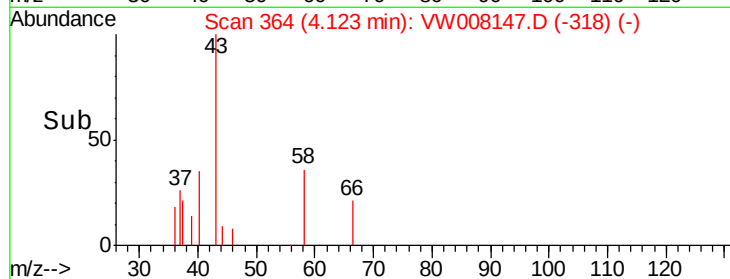
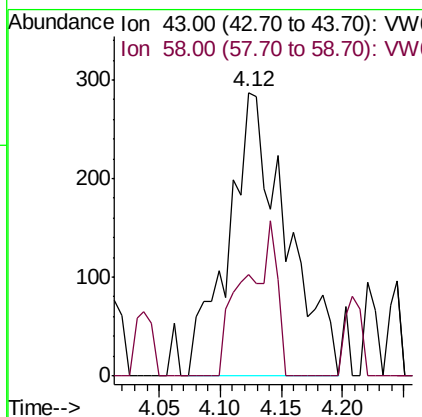
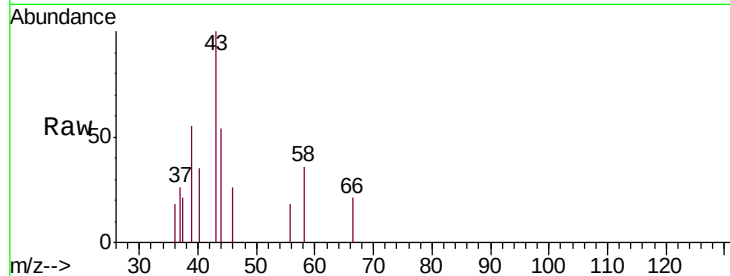




#16
Acetone
Concen: Below Cal
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW008147.D
Acq: 10 Jan 2019 14:35

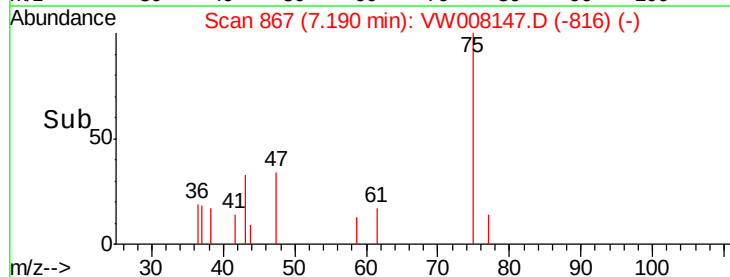
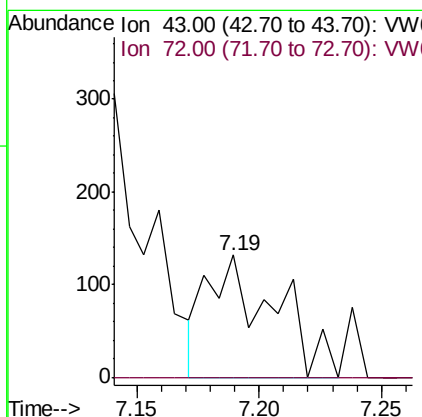
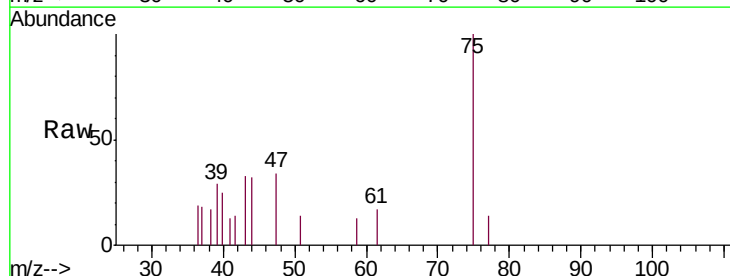
Instrument :
MSVOA_W
ClientSampleId :
BASIN-4

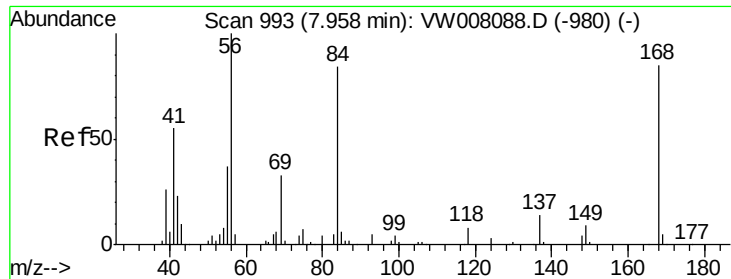
Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 35.9 27.5 41.3



#25
2-Butanone
Concen: 1.351 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW008147.D
Acq: 10 Jan 2019 14:35

Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

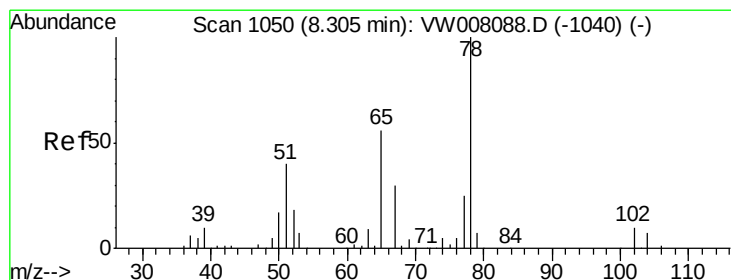
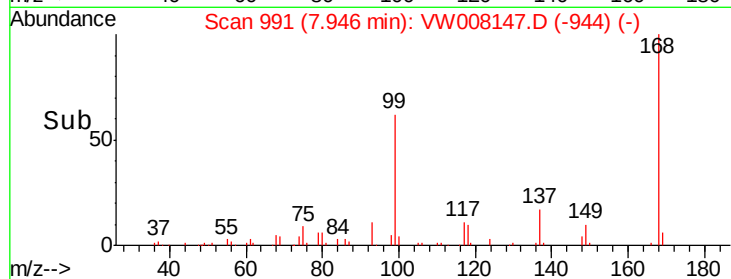
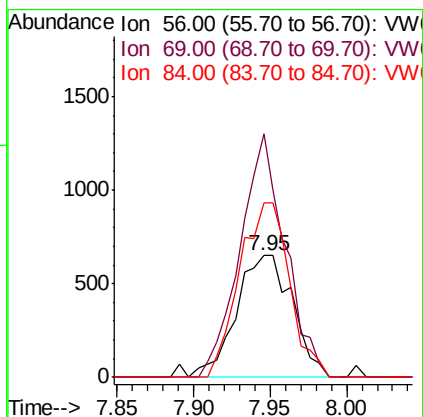
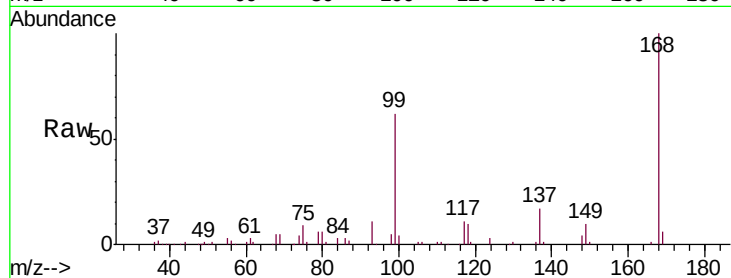




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008147.D
Acq: 10 Jan 2019 14:35

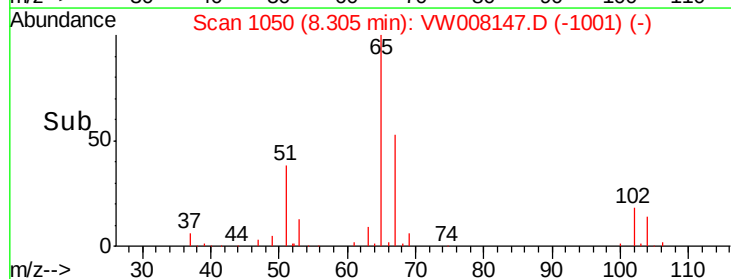
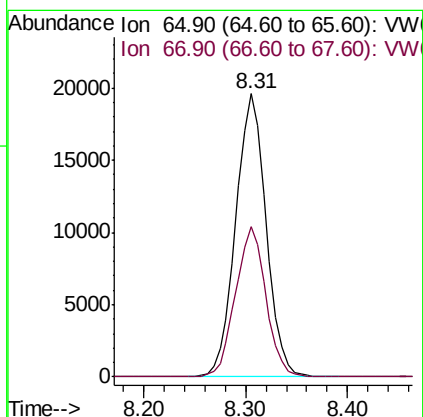
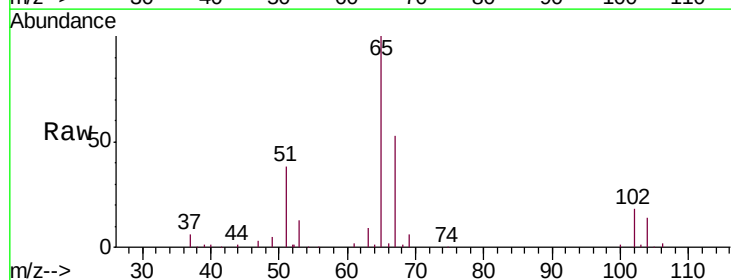
Instrument :
MSVOA_W
ClientSampled :
BASIN-4

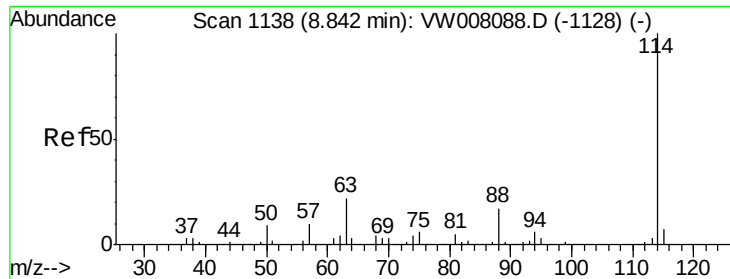
Tgt Ion: 56 Resp: 1667
Ion Ratio Lower Upper
56 100
69 199.8 26.2 39.4#
84 143.5 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 60.245 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008147.D
Acq: 10 Jan 2019 14:35

Tgt Ion: 65 Resp: 40384
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8

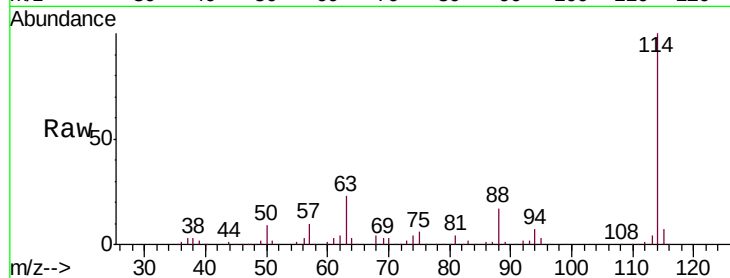




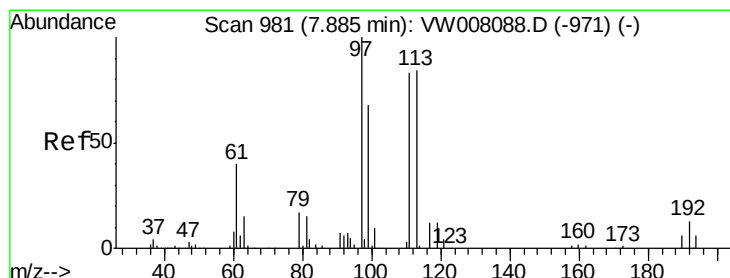
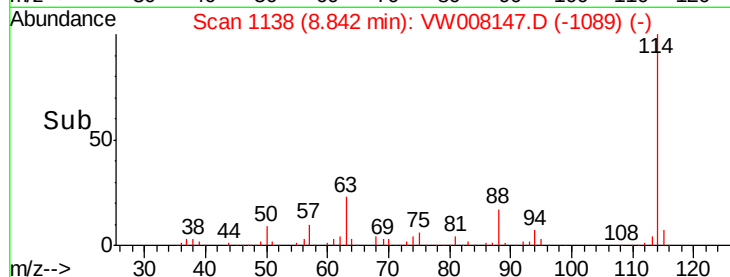
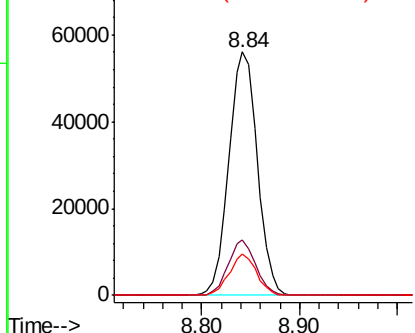
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008147.D
 Acq: 10 Jan 2019 14:35

Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-4

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.4
88	16.9	0.0	33.4

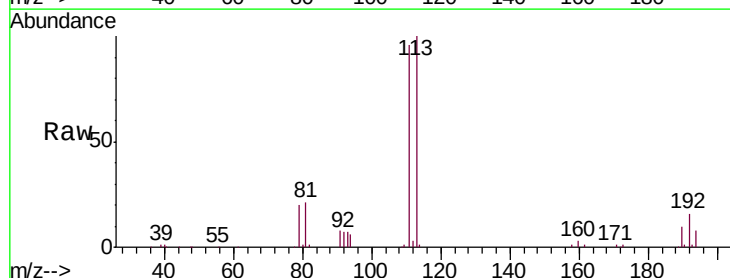


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

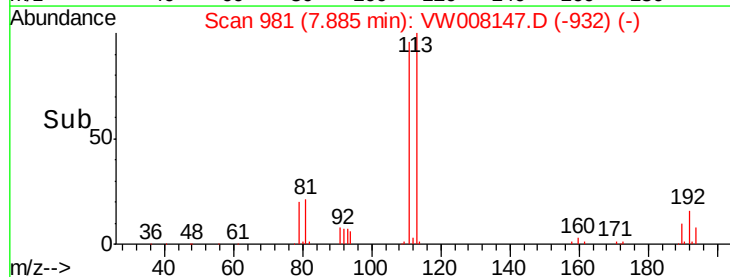
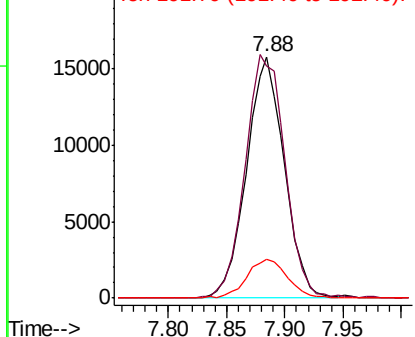


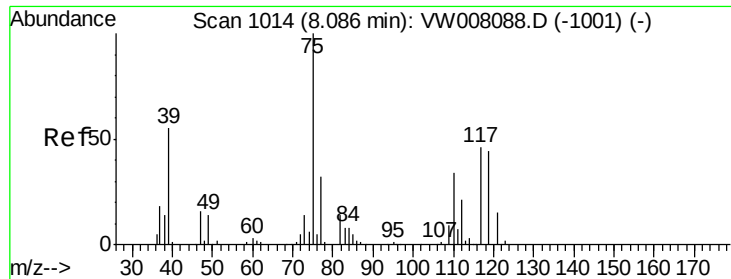
#35
 Dibromofluoromethane
 Concen: 54.389 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008147.D
 Acq: 10 Jan 2019 14:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.2	81.8	122.8
192	17.3	12.8	19.2



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

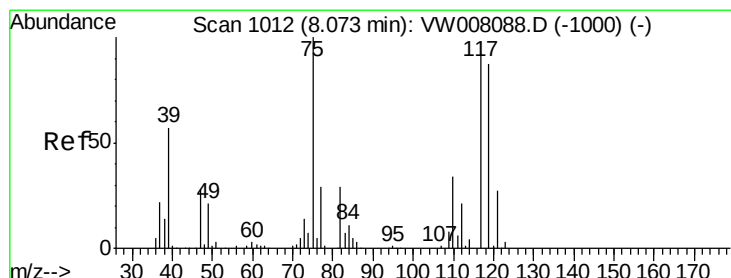
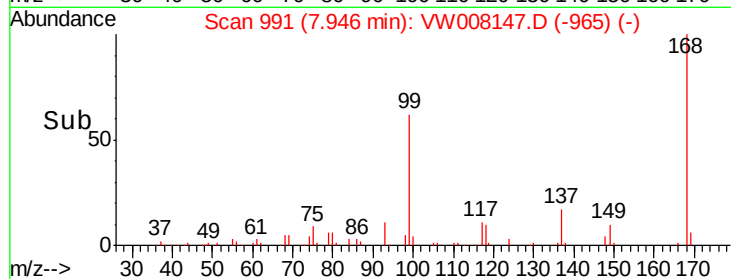
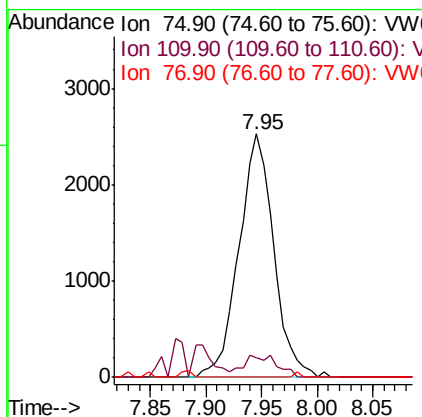
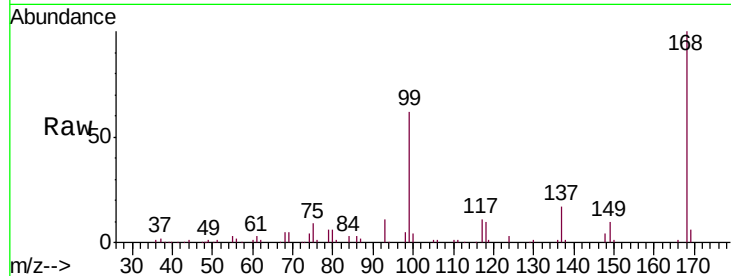




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008147.D
 Acq: 10 Jan 2019 14:35

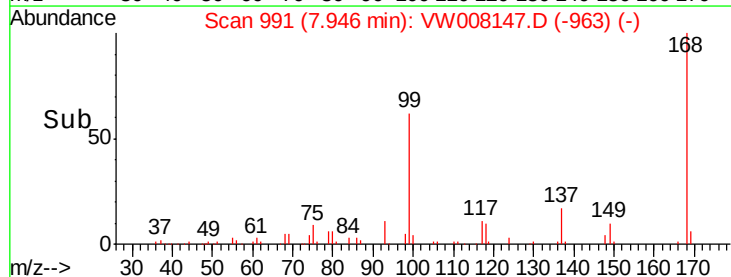
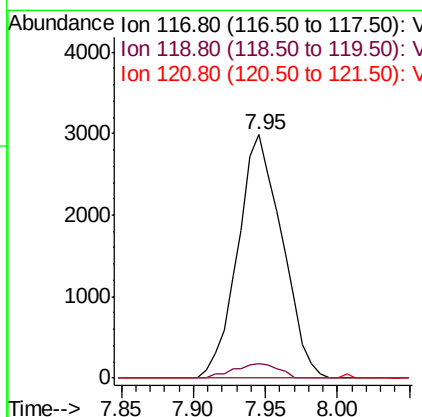
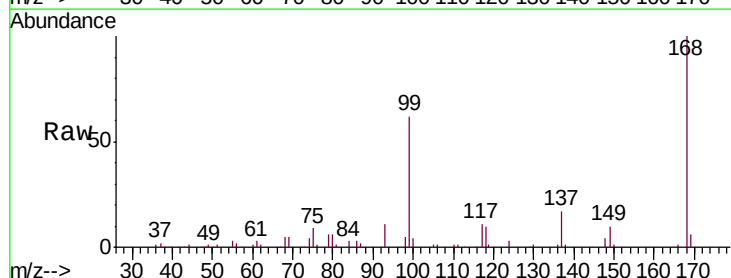
Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-4

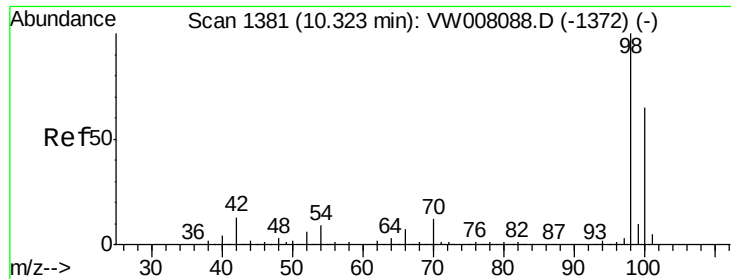
Tgt Ion: 75 Resp: 5492
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008147.D
 Acq: 10 Jan 2019 14:35

Tgt Ion: 117 Resp: 6386
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.8 113.8#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 53.368 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

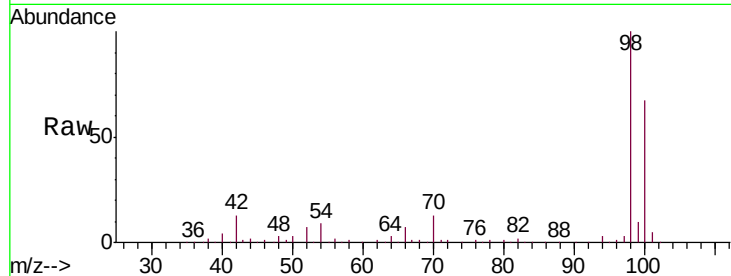
BASIN-4

Tgt Ion: 98 Resp: 147450

Ion Ratio Lower Upper

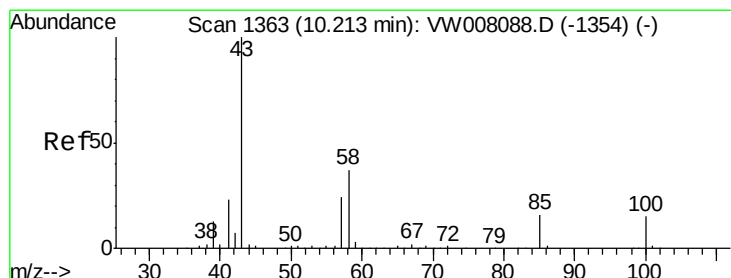
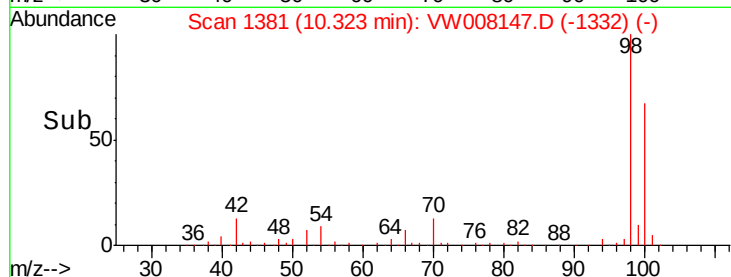
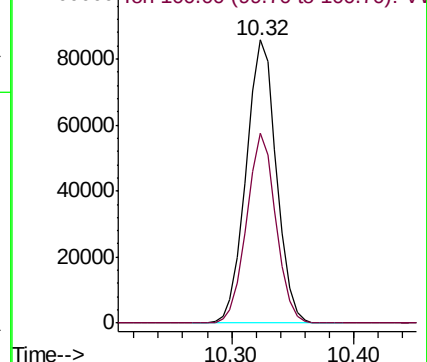
98 100

100 64.7 51.7 77.5



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: 1.147 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008147.D

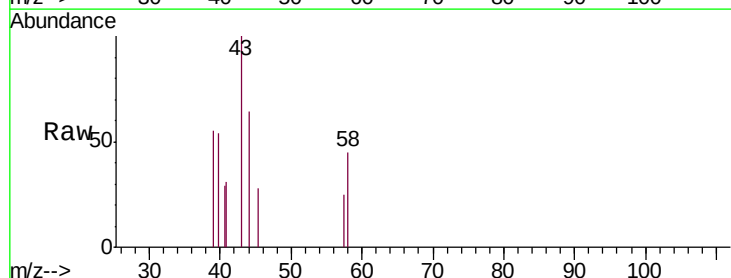
Acq: 10 Jan 2019 14:35

Tgt Ion: 43 Resp: 517

Ion Ratio Lower Upper

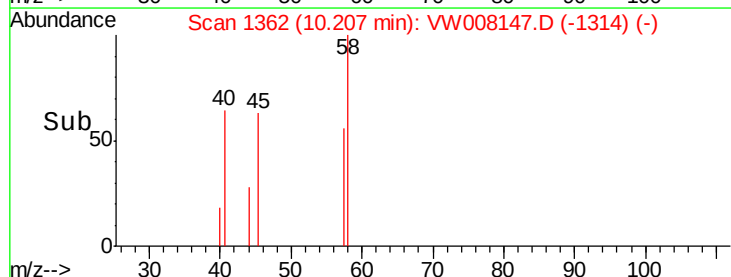
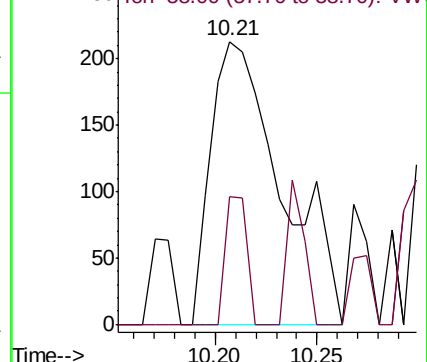
43 100

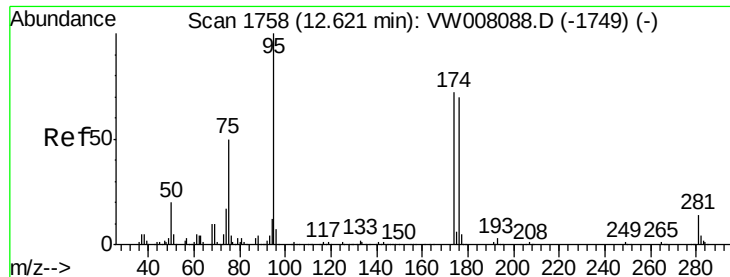
58 13.5 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 48.285 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

BASIN-4

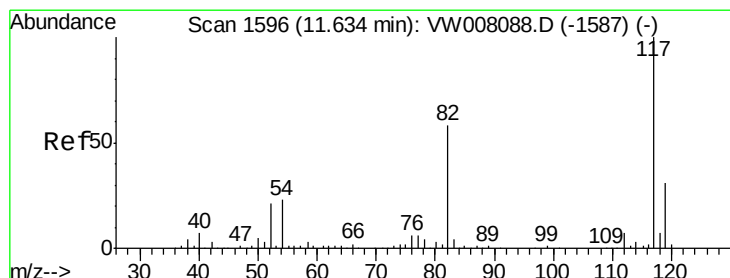
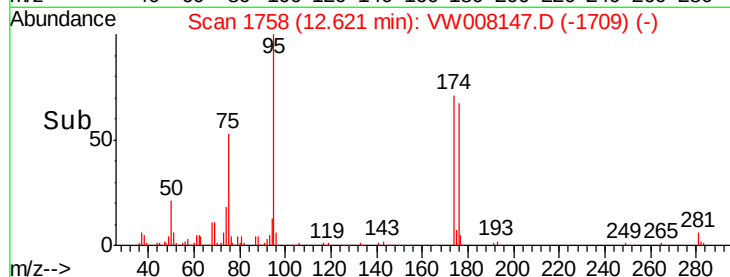
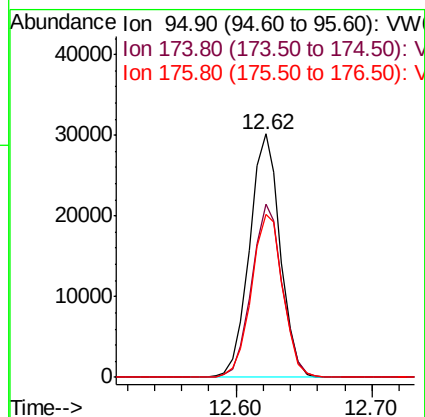
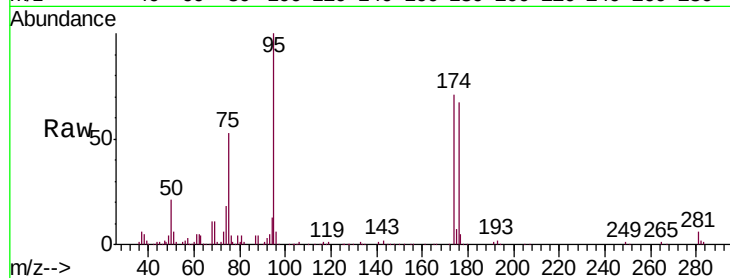
Tgt Ion: 95 Resp: 47826

Ion Ratio Lower Upper

95 100

174 70.9 0.0 143.0

176 68.7 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

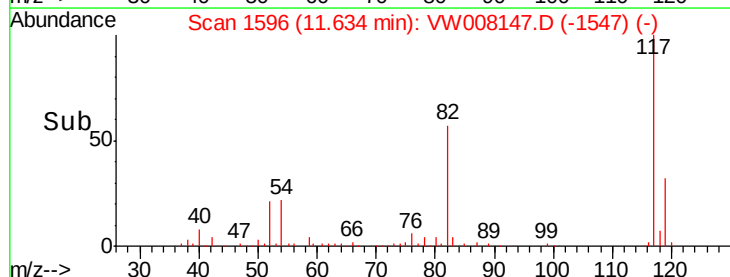
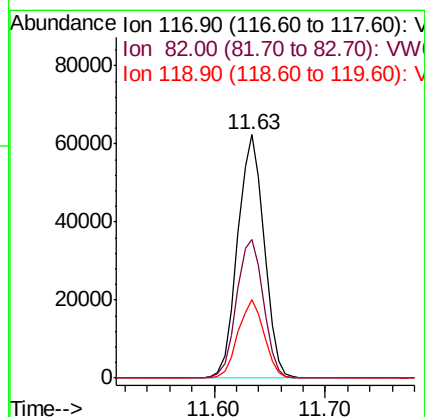
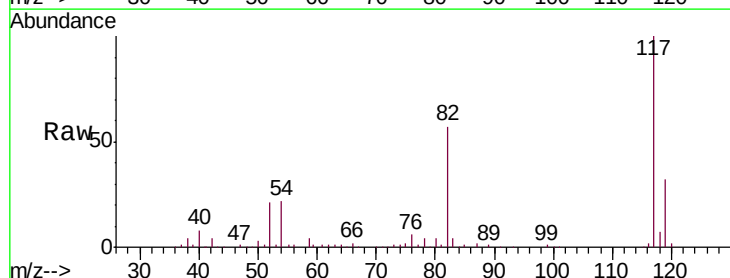
Tgt Ion: 117 Resp: 102573

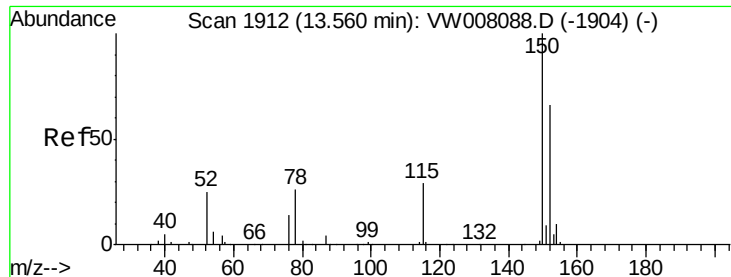
Ion Ratio Lower Upper

117 100

82 57.0 46.4 69.6

119 31.9 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

BASIN-4

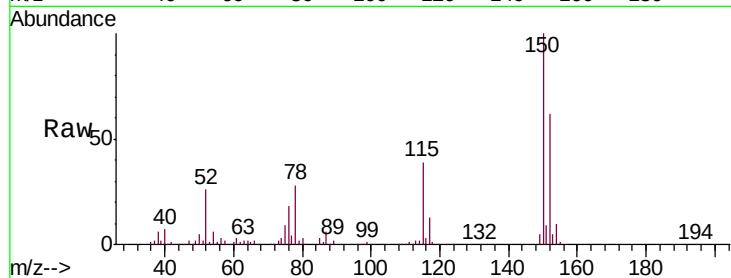
Tgt Ion:152 Resp: 44365

Ion Ratio Lower Upper

152 100

115 61.2 30.8 92.4

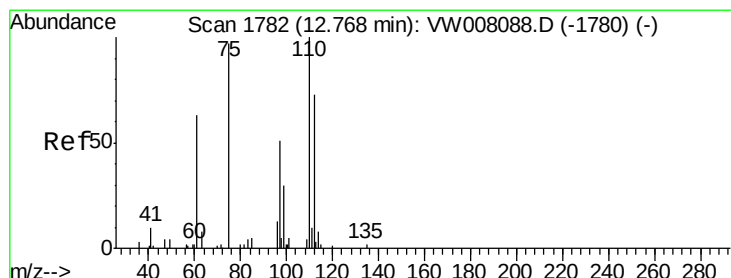
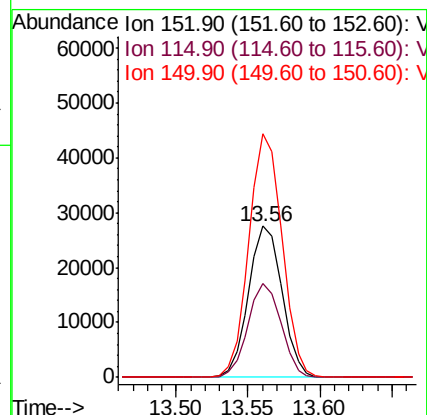
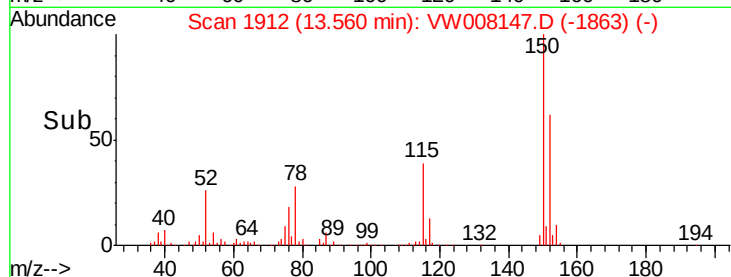
150 158.8 0.0 350.2



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: 62.181 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008147.D

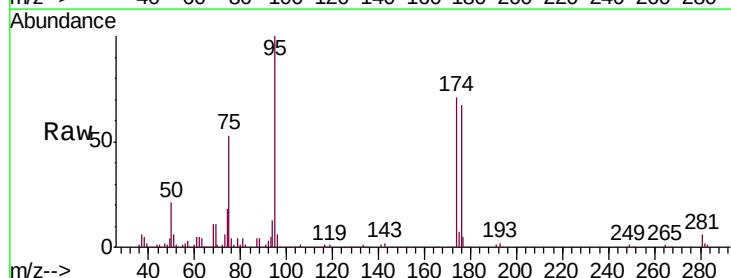
Acq: 10 Jan 2019 14:35

Tgt Ion: 75 Resp: 25148

Ion Ratio Lower Upper

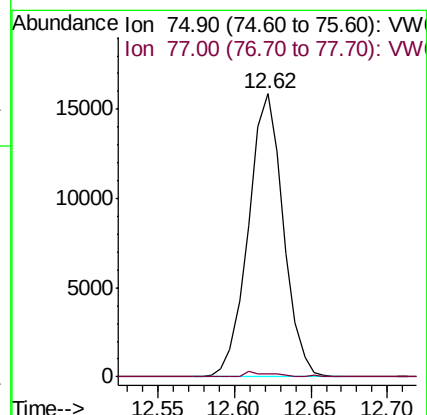
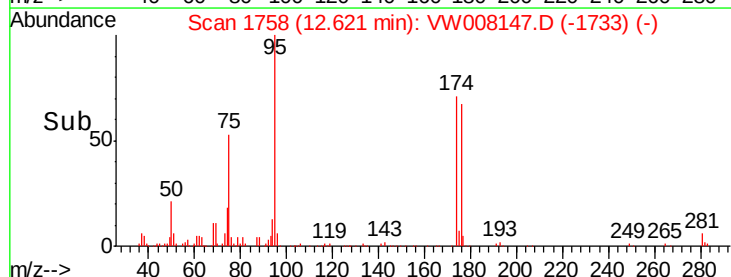
75 100

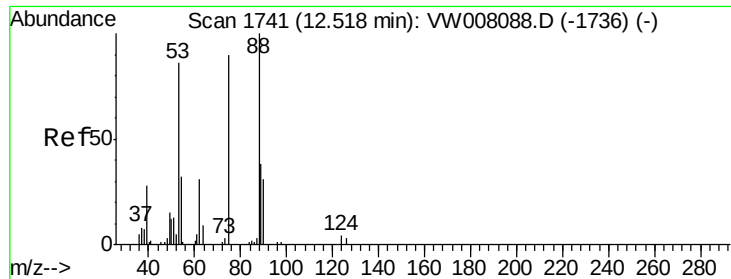
77 1.5 179.4 538.2#



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: 144.800 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008147.D

Acq: 10 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

BASIN-4

Tgt Ion: 75 Resp: 25148

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 35.4 53.2#

