

Data File : VW008149.D
Acq On : 10 Jan 2019 15:28
Operator : SY/AP
Sample : K1075-12
Misc : 3.55G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BASIN-6

Quant Time: Jan 11 05:11:09 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	51576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	99168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	90382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39069	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	35182	60.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.38%	
35) Dibromofluoromethane	7.88	113	31822	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
50) Toluene-d8	10.32	98	131794	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.62	95	42634	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

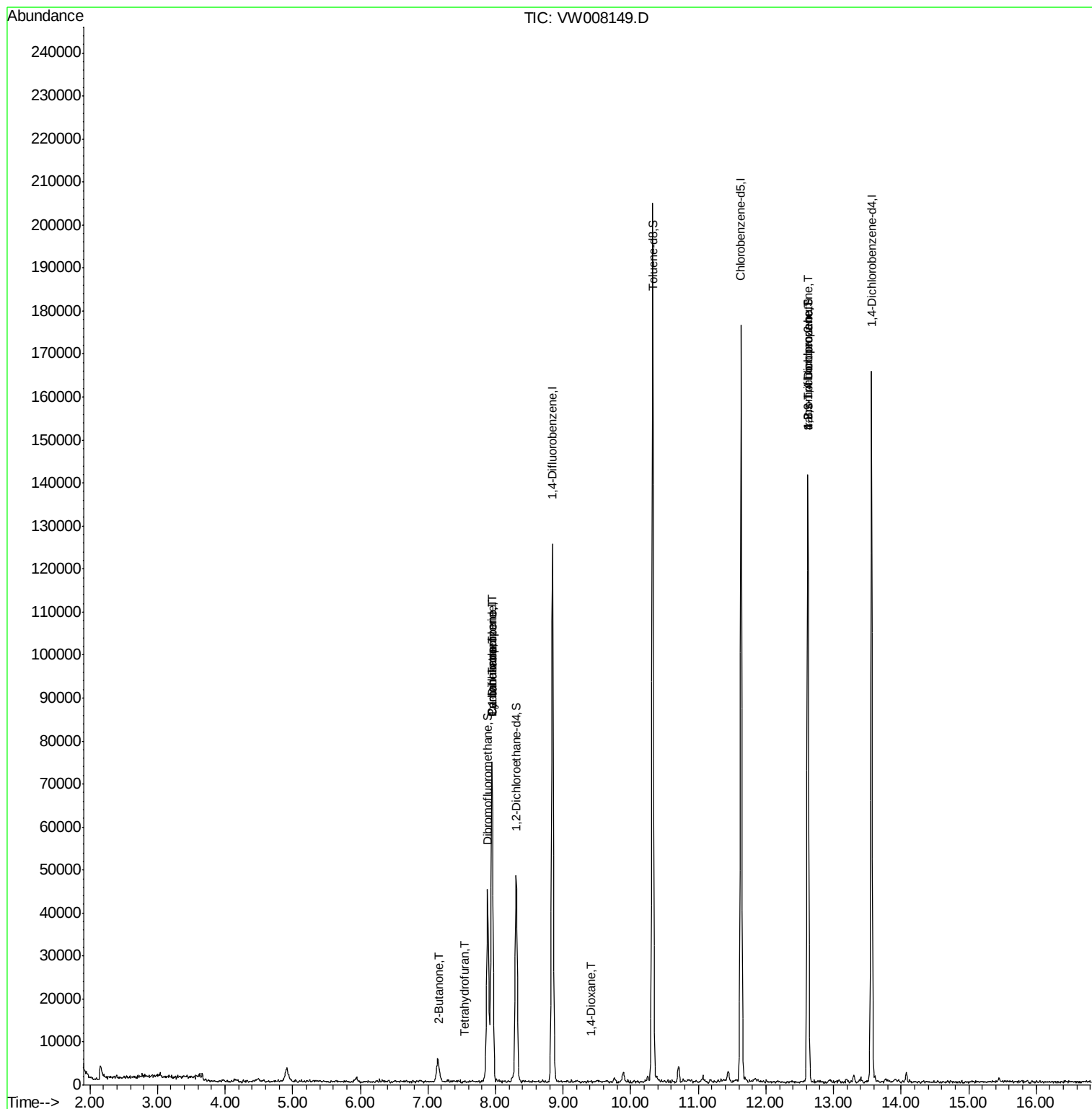
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.26	59	20	Below Cal	#	100
16) Acetone	4.13	43	421	Below Cal	#	83
20) Methylene Chloride	4.92	84	2204	Below Cal	#	79
25) 2-Butanone	7.17	43	583	3.615	ug/l #	49
29) Tetrahydrofuran	7.55	42	152	1.411	ug/l #	35
31) Cyclohexane	7.95	56	1649	1.352	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	4756	4.656	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5419	5.796	ug/l #	17
49) 1,4-Dioxane	9.41	88	22	4.055	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	22211	62.363	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	22211	145.225	ug/l #	10

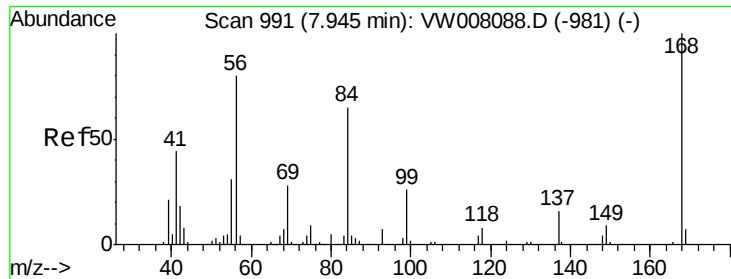
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008149.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

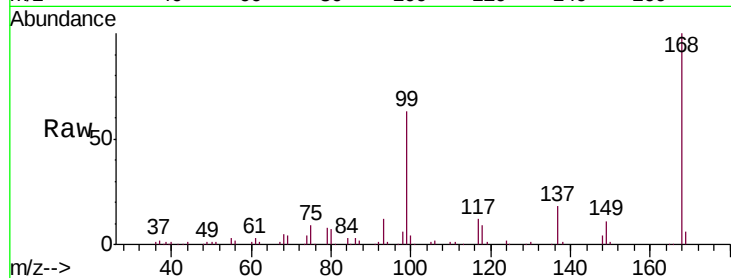
BASIN-6

Tgt Ion:168 Resp: 51576

Ion Ratio Lower Upper

168 100

99 63.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

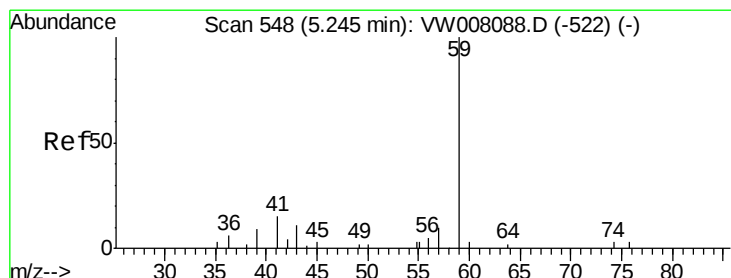
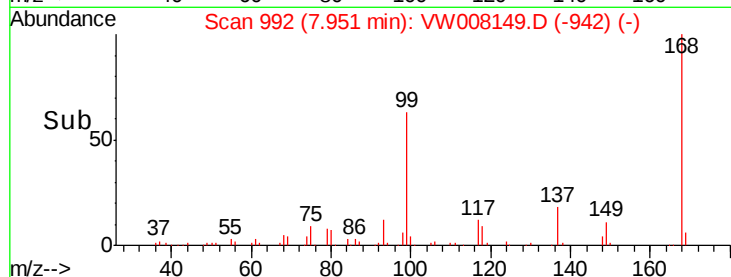
10000

5000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 550

Delta R.T. 0.01 min

Lab File: VW008149.D

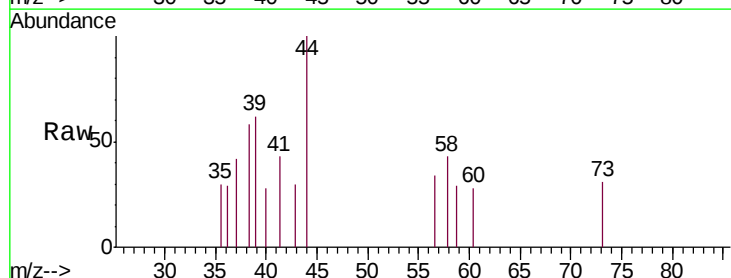
Acq: 10 Jan 2019 15:28

Tgt Ion: 59 Resp: 20

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

5.26

60

50

40

30

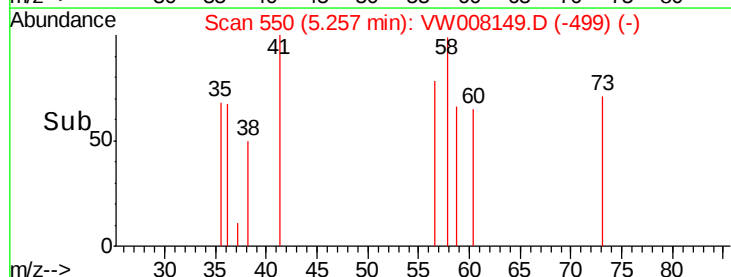
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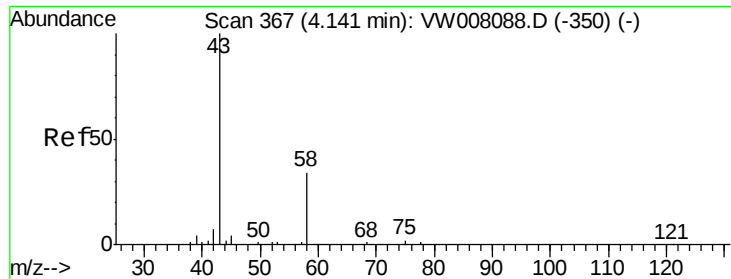
10

0

Time-->

5.25 5.26 5.27





#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008149.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

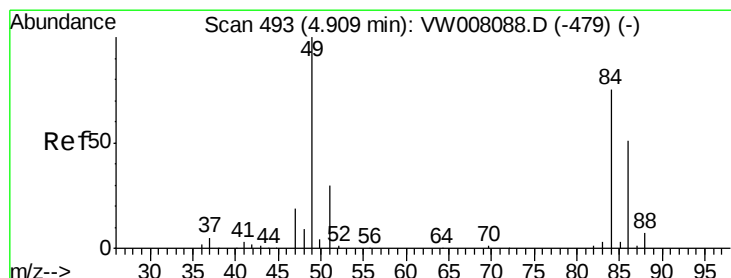
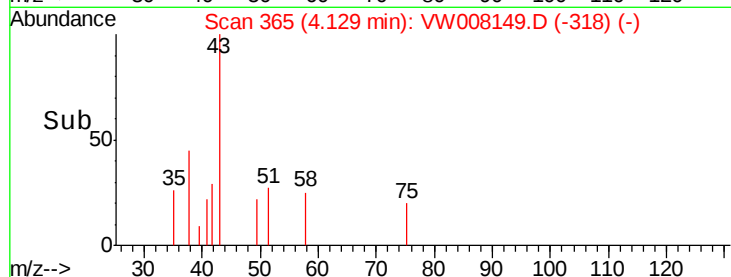
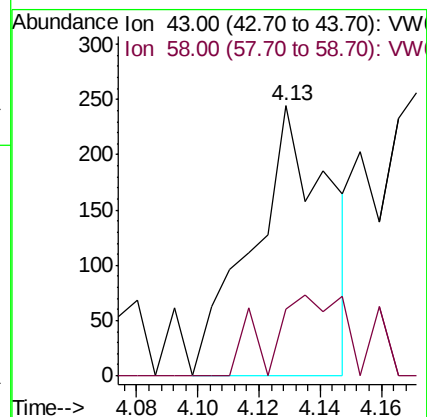
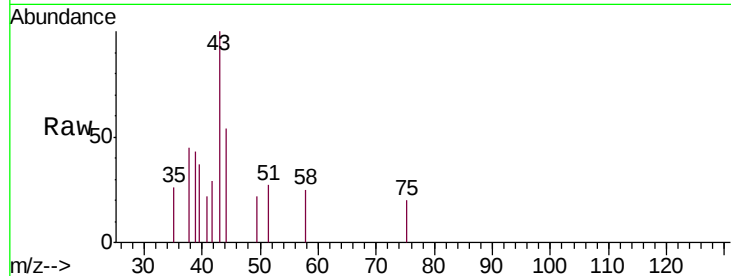
BASIN-6

Tgt Ion: 43 Resp: 421

Ion Ratio Lower Upper

43 100

58 24.6 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008149.D

Acq: 10 Jan 2019 15:28

Tgt Ion: 84 Resp: 2204

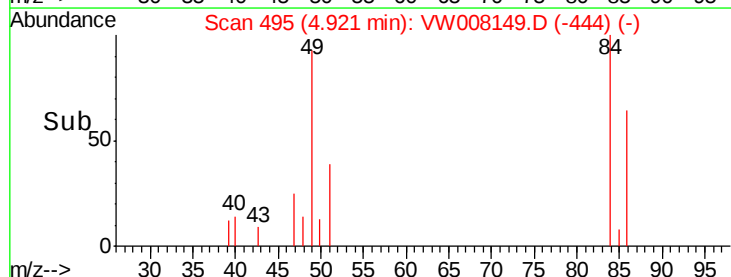
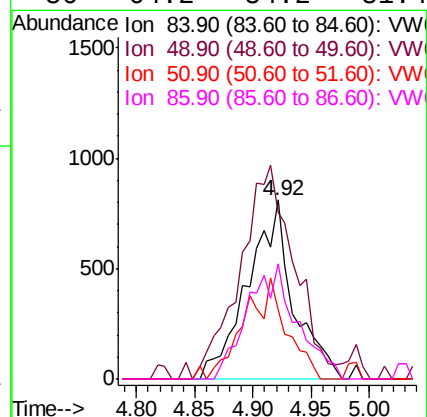
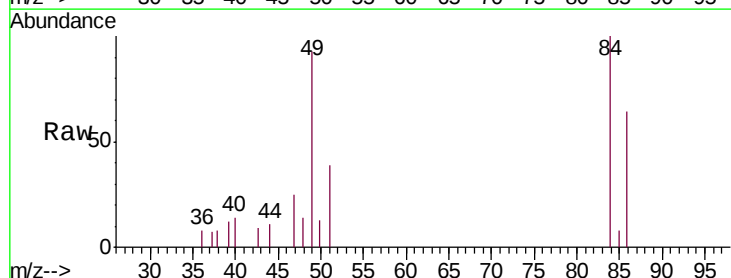
Ion Ratio Lower Upper

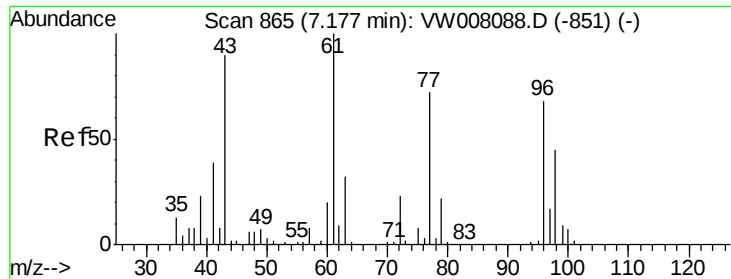
84 100

49 93.1 107.1 160.7#

51 39.0 32.4 48.6

86 64.2 54.2 81.4

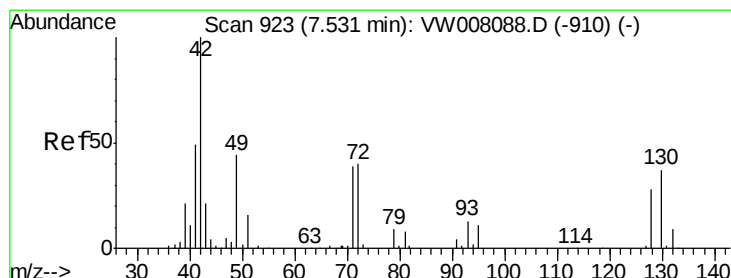
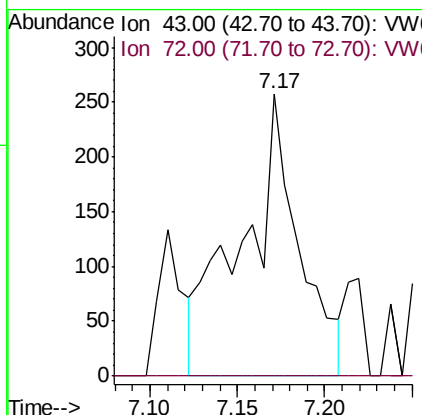
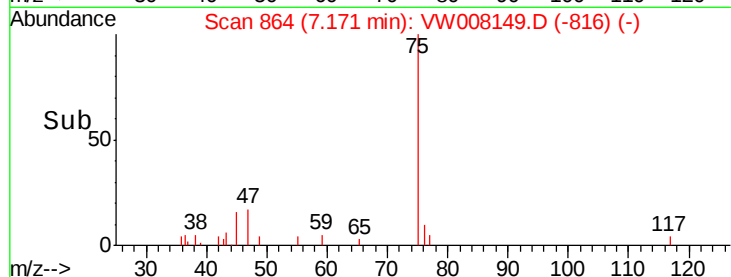
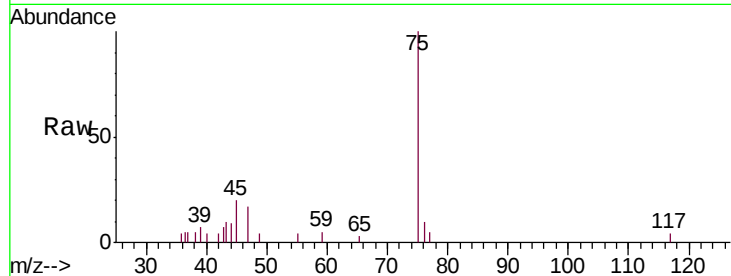




#25
 2-Butanone
 Concen: 3.615 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW008149.D
 Acq: 10 Jan 2019 15:28

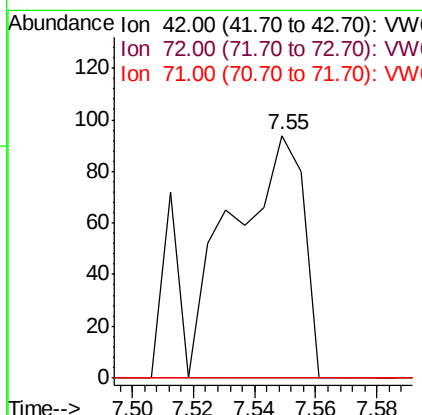
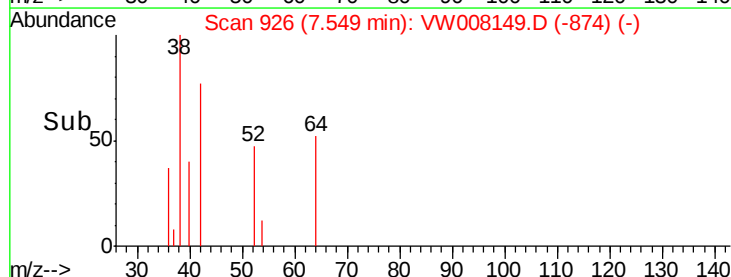
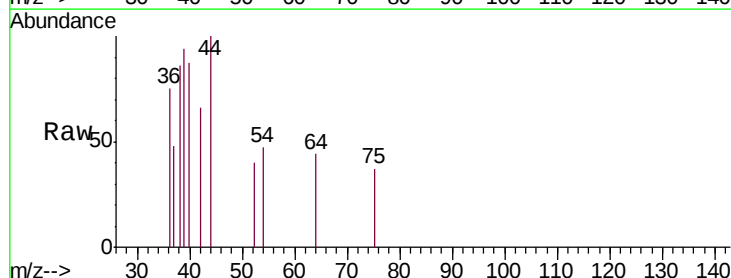
Instrument :
 MSVOA_W
 ClientSampled :
 BASIN-6

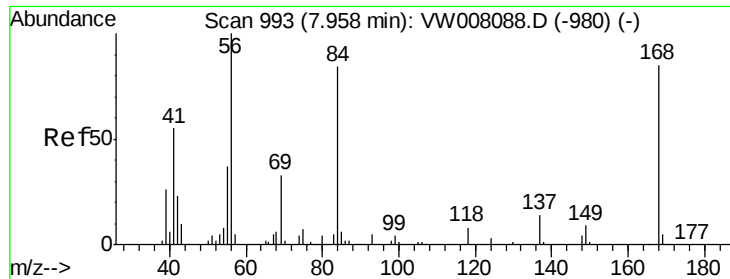
Tgt Ion: 43 Resp: 583
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.5 30.7#



#29
 Tetrahydrofuran
 Concen: 1.411 ug/l
 RT: 7.55 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VW008149.D
 Acq: 10 Jan 2019 15:28

Tgt Ion: 42 Resp: 152
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.4 48.6#
 71 0.0 31.3 46.9#

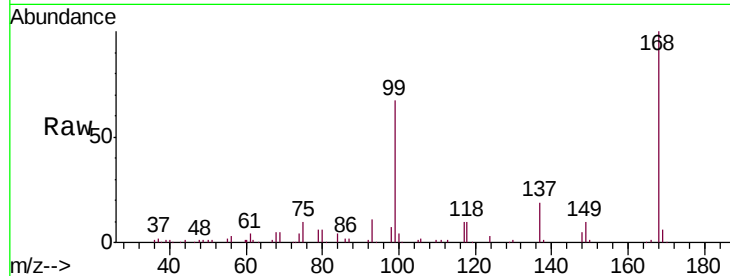




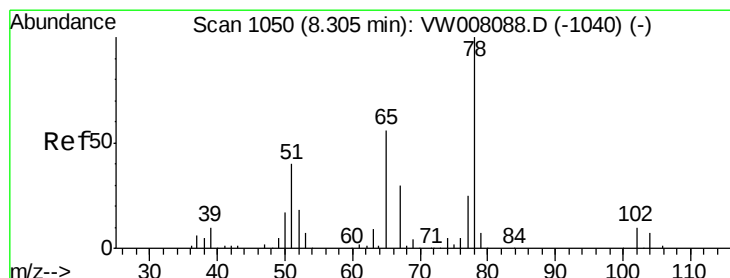
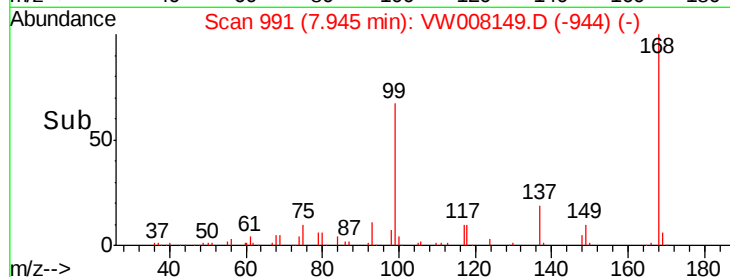
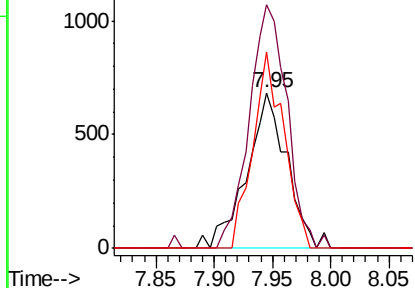
#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

Instrument :
MSVOA_W
ClientSampled :
BASIN-6

Tgt Ion: 56 Resp: 1649
Ion Ratio Lower Upper
56 100
69 156.2 26.2 39.4#
84 125.8 67.4 101.2#

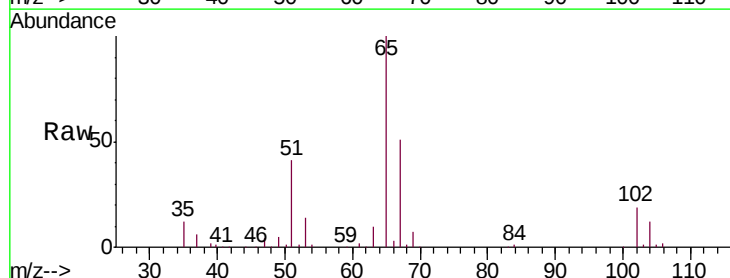


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

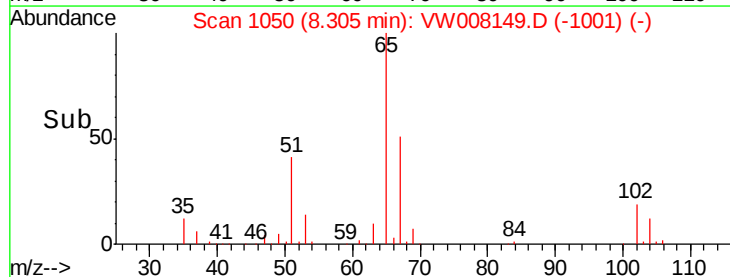
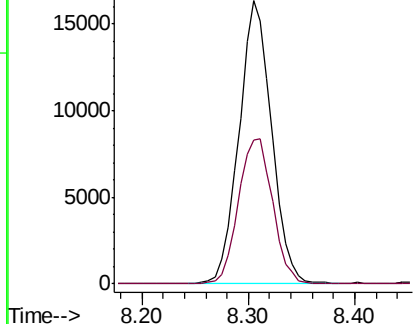


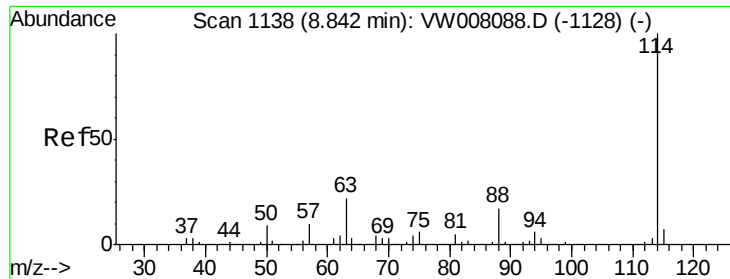
#33
1,2-Dichloroethane-d4
Concen: 60.693 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 65 Resp: 35182
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8



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: VW008149.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

BASIN-6

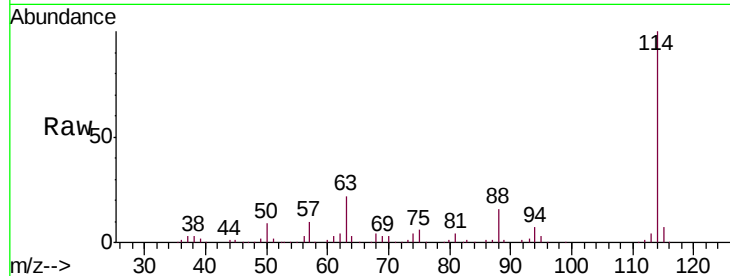
Tgt Ion:114 Resp: 99168

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

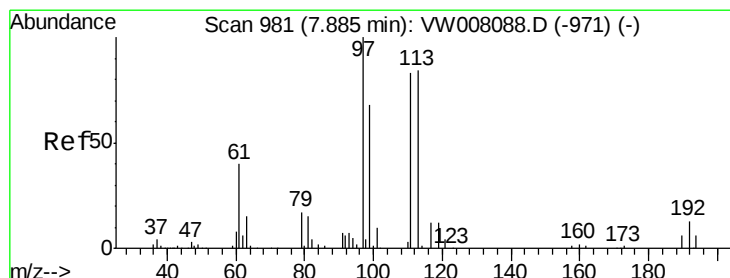
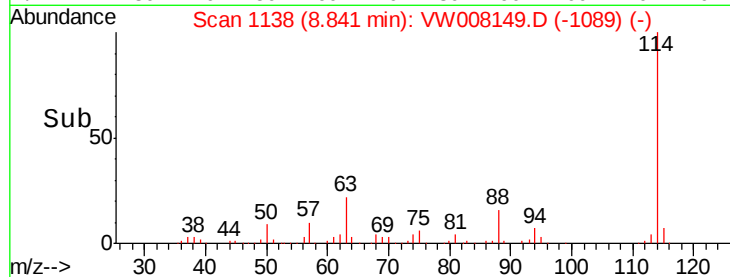
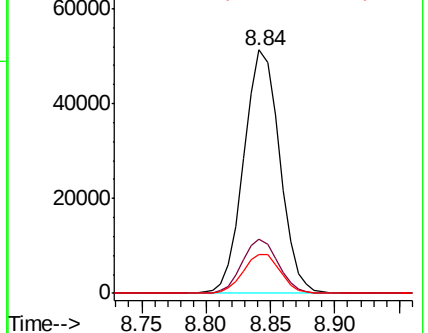
88 15.9 0.0 33.4



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: 55.019 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008149.D

Acq: 10 Jan 2019 15:28

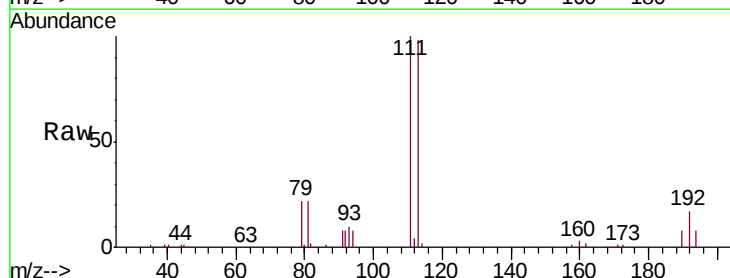
Tgt Ion:113 Resp: 31822

Ion Ratio Lower Upper

113 100

111 105.2 81.8 122.8

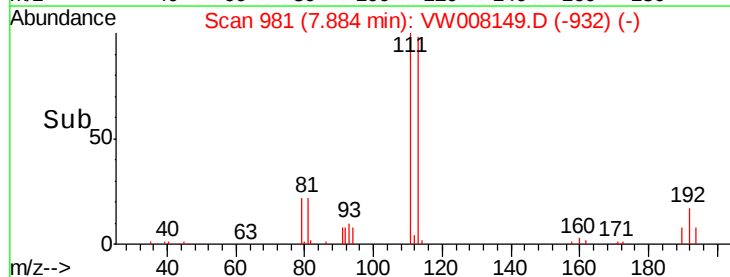
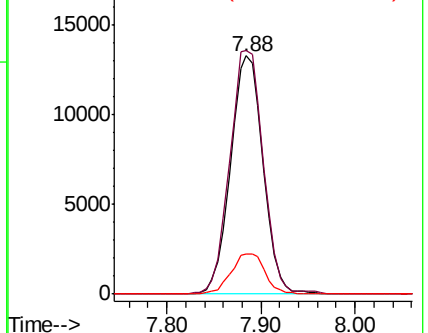
192 17.6 12.8 19.2

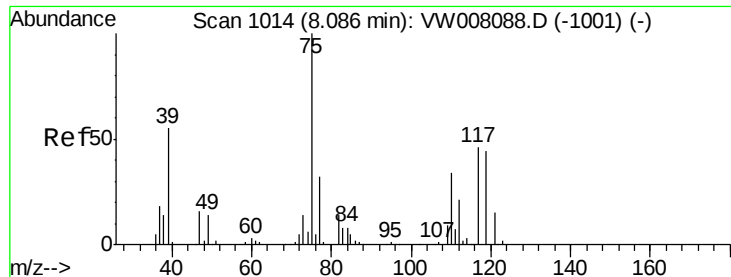


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

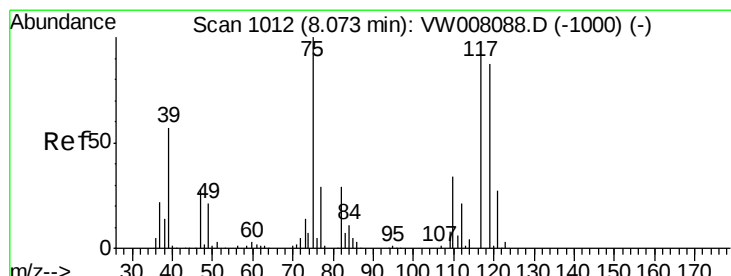
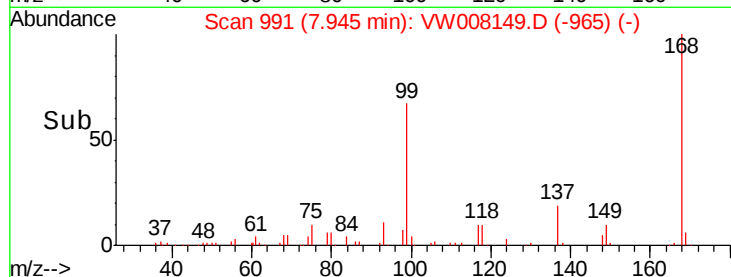
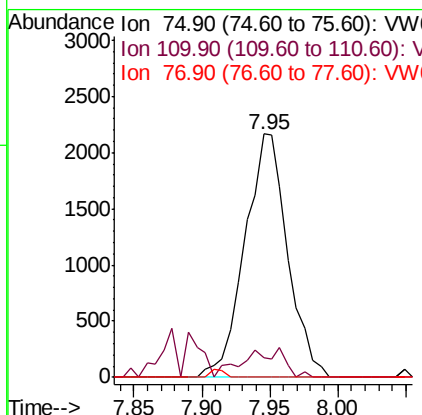
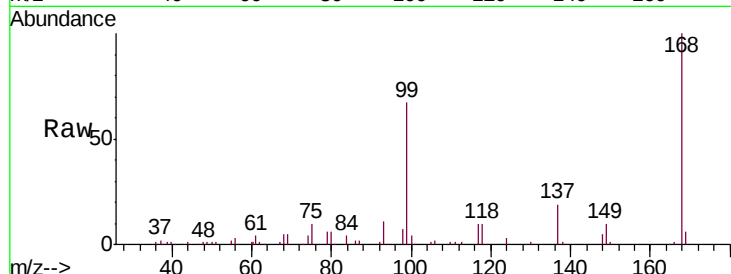




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008149.D
 Acq: 10 Jan 2019 15:28

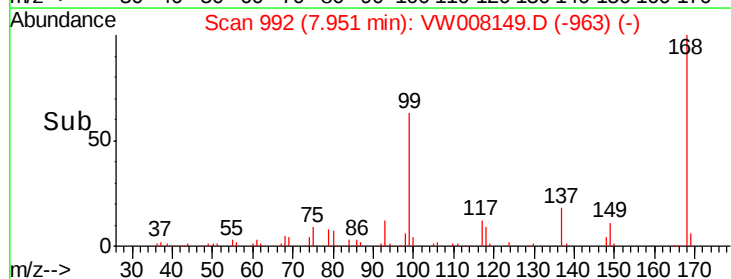
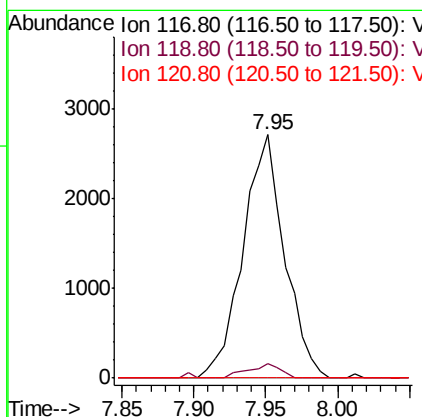
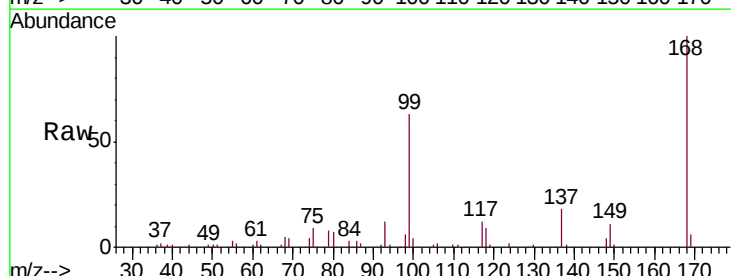
Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-6

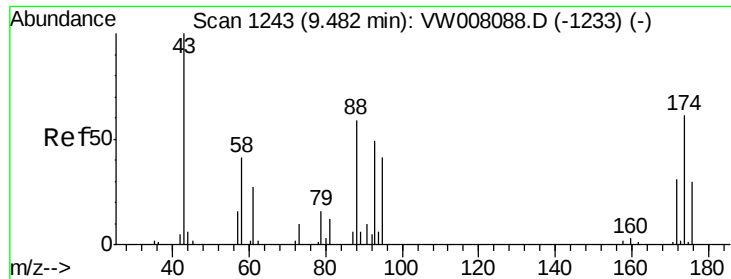
Tgt Ion: 75 Resp: 4756
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 5.796 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008149.D
 Acq: 10 Jan 2019 15:28

Tgt Ion: 117 Resp: 5419
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.8 113.8#
 121 0.0 23.7 35.5#

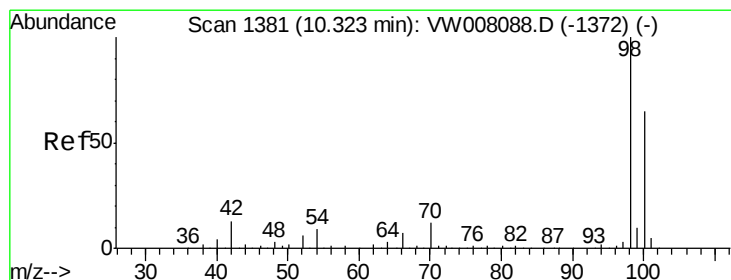
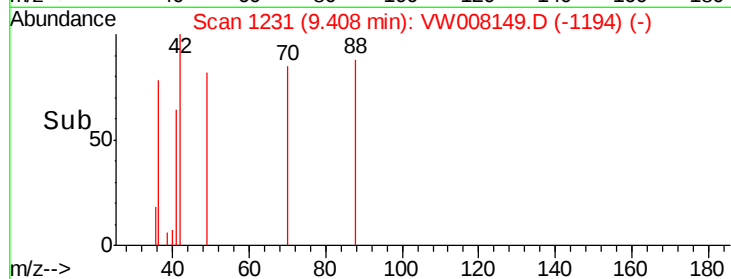
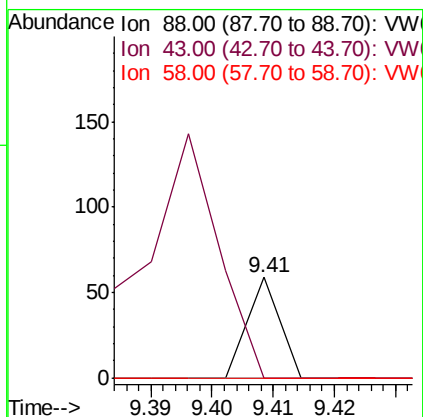
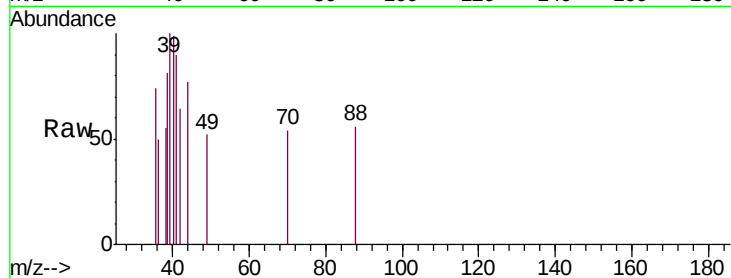




#49
1,4-Dioxane
Concen: 4.055 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.07 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

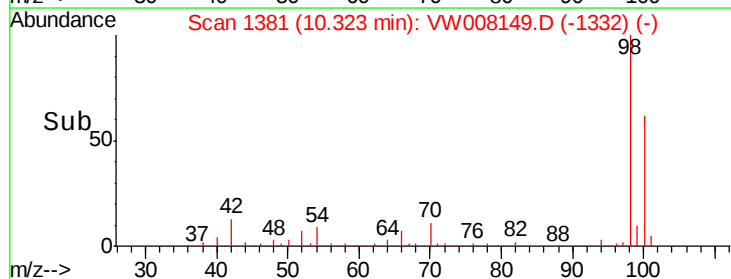
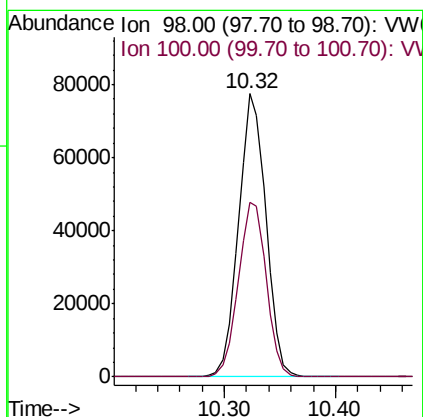
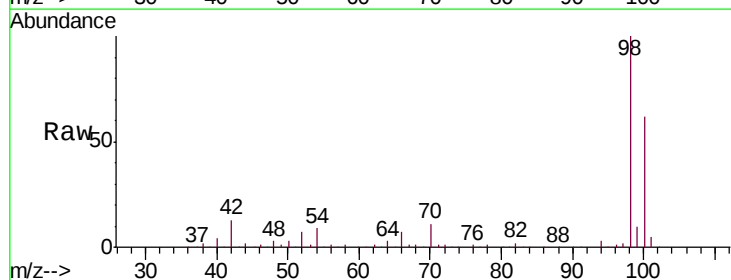
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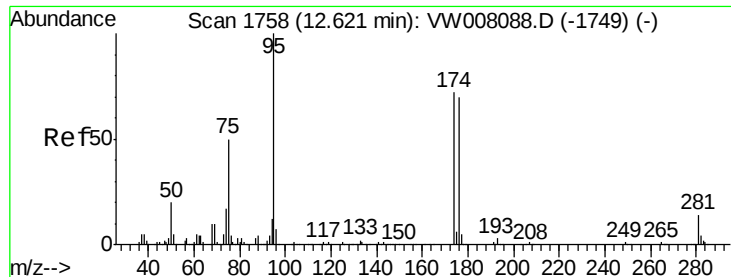
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 540.9 0.0 0.0#
58 0.0 61.7 92.5#



#50
Toluene-d8
Concen: 54.300 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 98 Resp: 131794
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

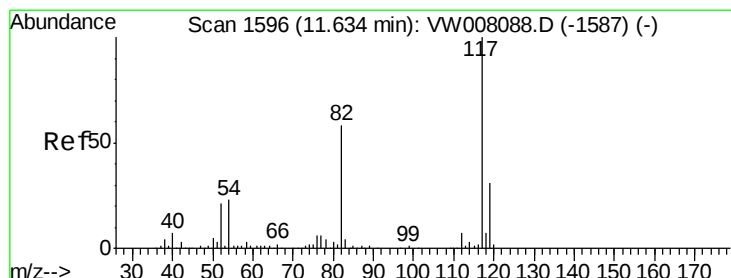
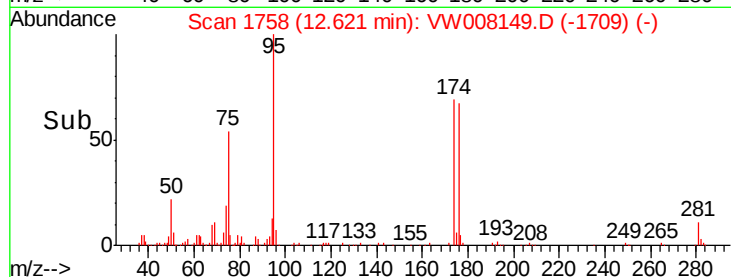
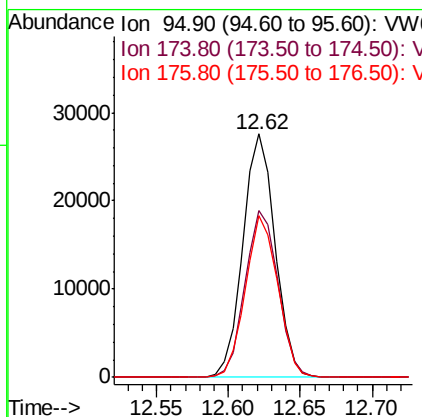
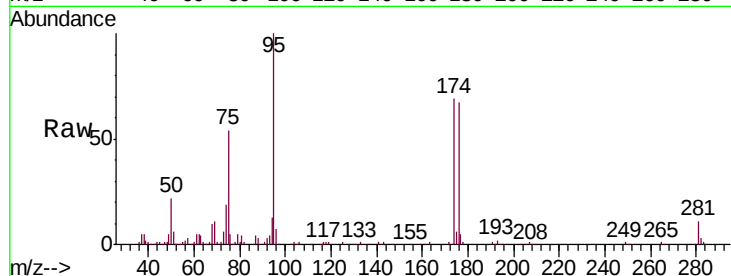




#62
4-Bromofluorobenzene
Concen: 48.998 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

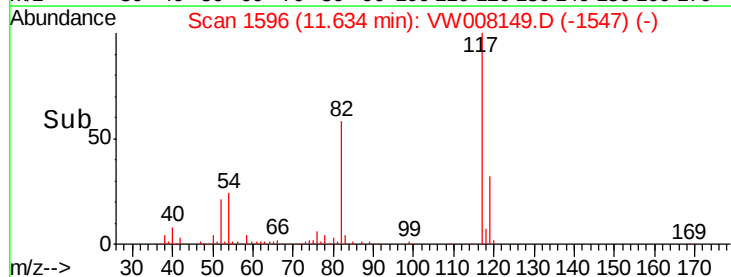
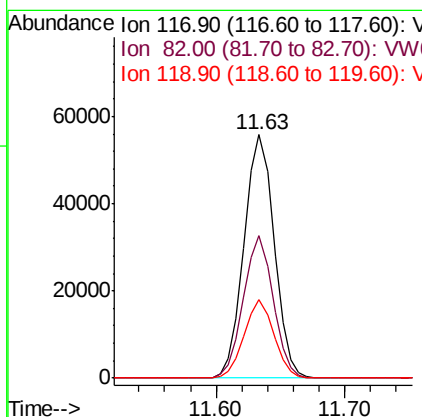
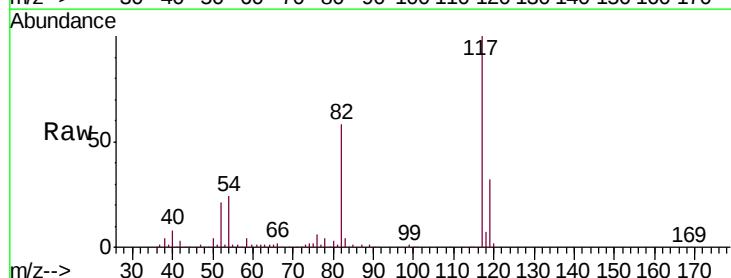
Instrument :
MSVOA_W
ClientSampleId :
BASIN-6

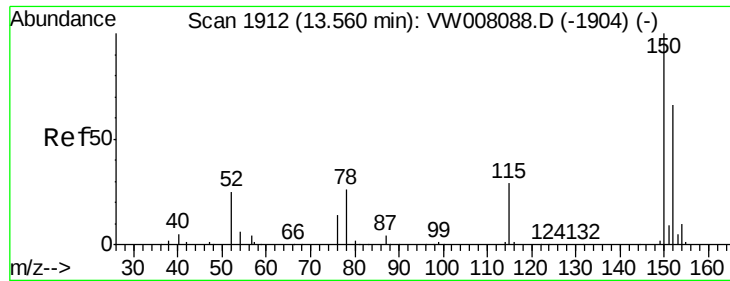
Tgt Ion: 95 Resp: 42634
Ion Ratio Lower Upper
95 100
174 70.2 0.0 143.0
176 66.9 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008149.D
Acq: 10 Jan 2019 15:28

Tgt Ion: 117 Resp: 90382
Ion Ratio Lower Upper
117 100
82 58.4 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: VW008149.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_W

ClientSampled :

BASIN-6

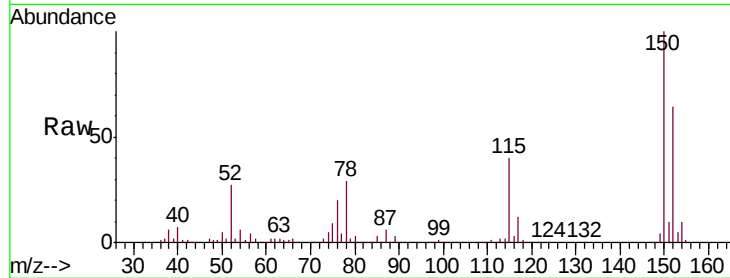
Tgt Ion:152 Resp: 39069

Ion Ratio Lower Upper

152 100

115 63.2 30.8 92.4

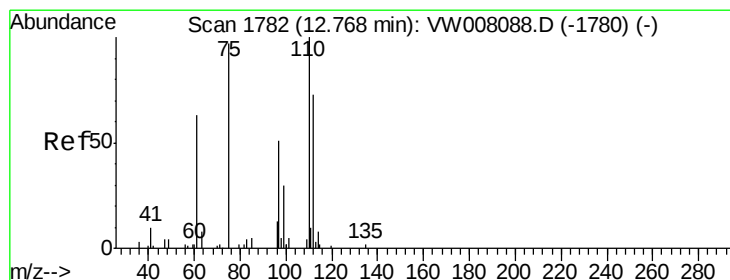
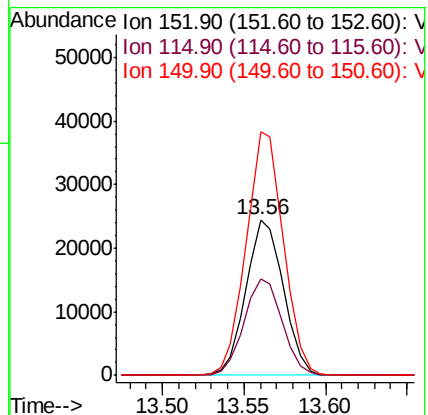
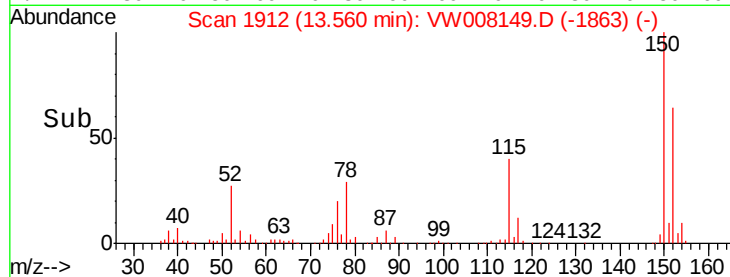
150 156.2 0.0 350.2



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: 62.363 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008149.D

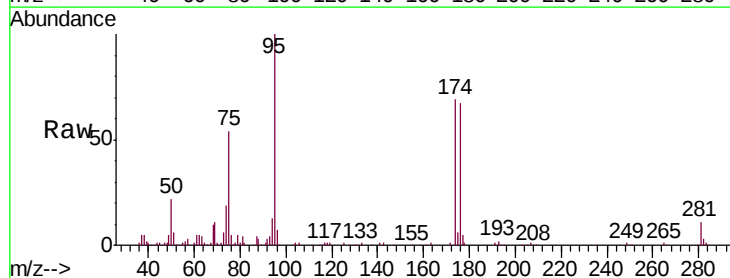
Acq: 10 Jan 2019 15:28

Tgt Ion: 75 Resp: 22211

Ion Ratio Lower Upper

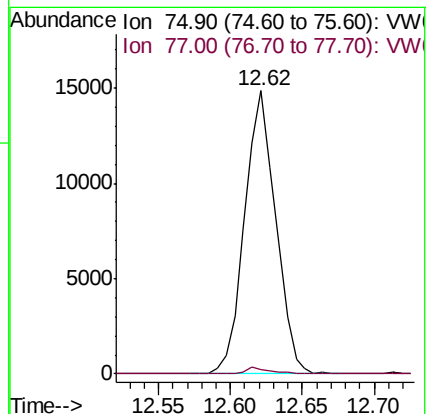
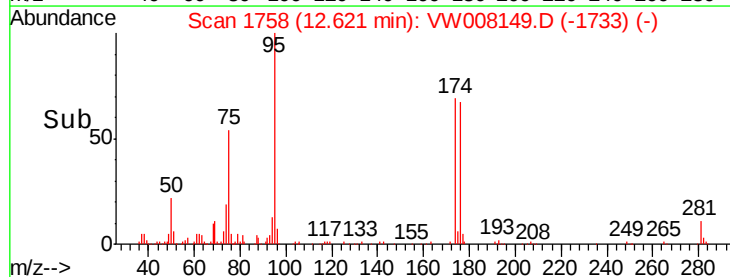
75 100

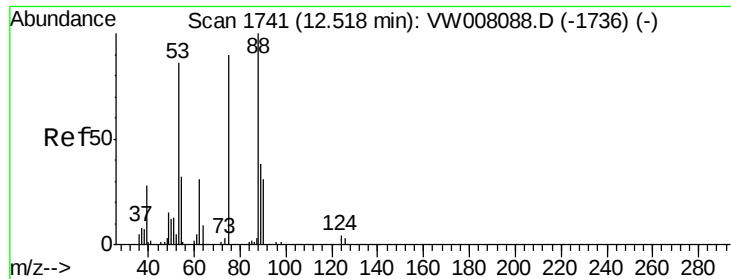
77 1.8 179.4 538.2#



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: 145.225 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008149.D

Acq: 10 Jan 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

BASIN-6

Tgt Ion: 75 Resp: 22211

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.2#

