

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010474.D
 Acq On : 21 May 2019 03:42
 Operator : SY/VA
 Sample : K2935-04
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PURGE-WATER-MUD

Quant Time: May 21 06:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	131911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	254452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	95534	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	84024	61.71	ug/l	0.00
Spiked Amount			Recovery	=	123.42%	
35) Dibromofluoromethane	7.88	113	81010	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	10.32	98	317675	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.62	95	115593	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

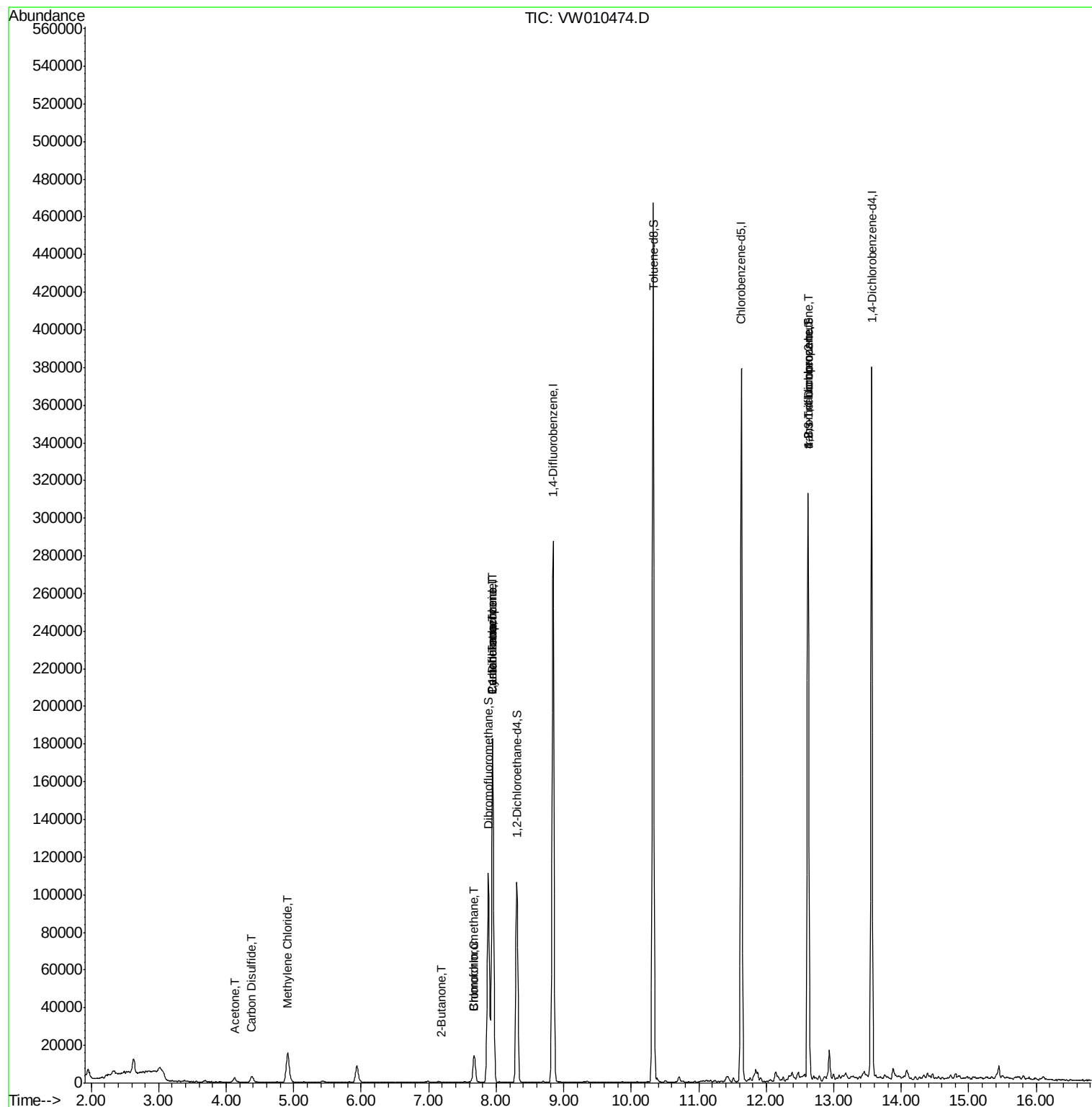
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	236	Below Cal		93
13) Acrolein	4.00	56	22	Below Cal	#	13
16) Acetone	4.12	43	4481	16.123	ug/l	92
17) Carbon Disulfide	4.37	76	4732	1.139	ug/l	99
20) Methylene Chloride	4.91	84	12634	2.978	ug/l	96
25) 2-Butanone	7.18	43	583	1.466	ug/l #	45
28) Bromochloromethane	7.68	49	1087	1.230	ug/l #	7
30) Chloroform	7.67	83	13687	5.142	ug/l	99
31) Cyclohexane	7.95	56	2840	1.099	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	10358	4.370	ug/l #	47
38) Carbon Tetrachloride	7.95	117	14706	5.751	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	55066	56.785	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	55066	118.511	ug/l #	14

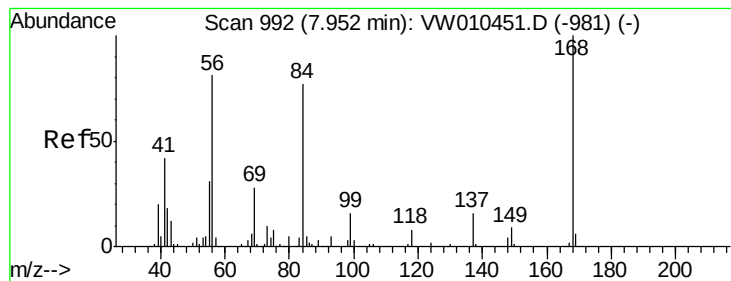
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010474.D

Acq: 21 May 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

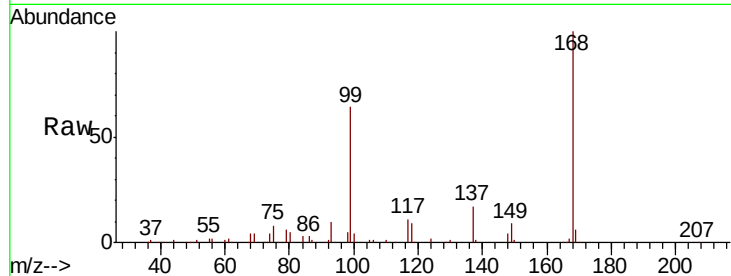
PURGE-WATER-MUD

Tot Ion:168 Resp: 131911

Ion Ratio Lower Upper

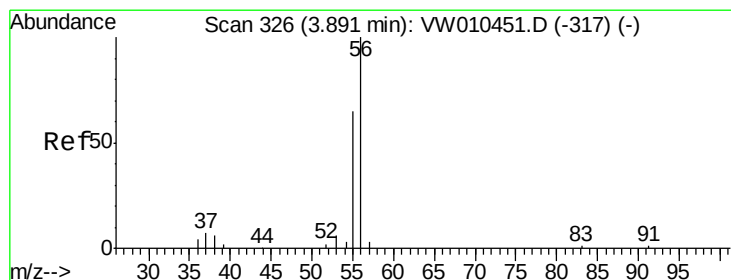
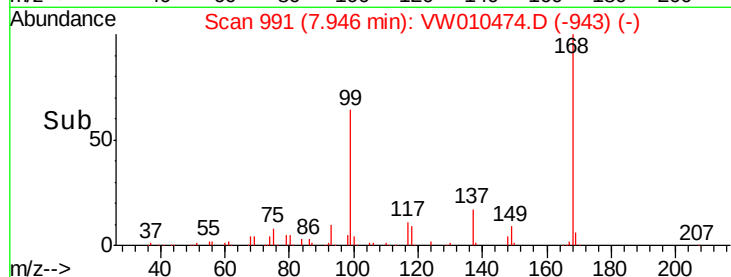
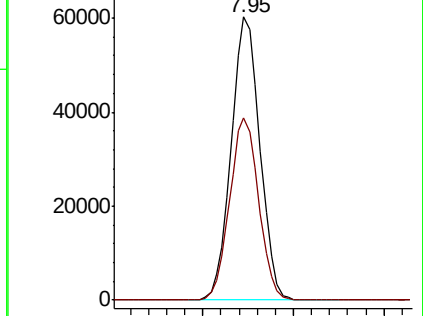
168 100

99 64.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 4.00 min Scan# 344

Delta R.T. 0.11 min

Lab File: VW010474.D

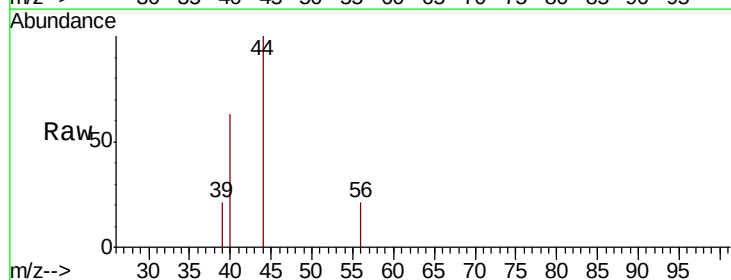
Acq: 21 May 2019 03:42

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

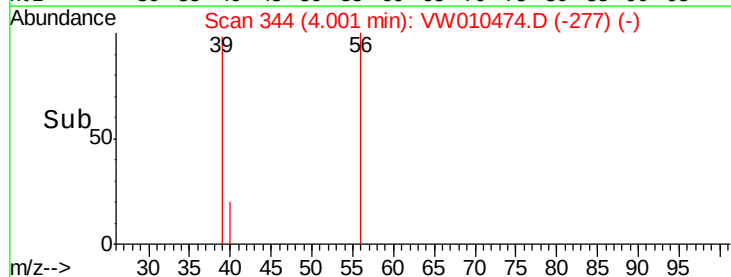
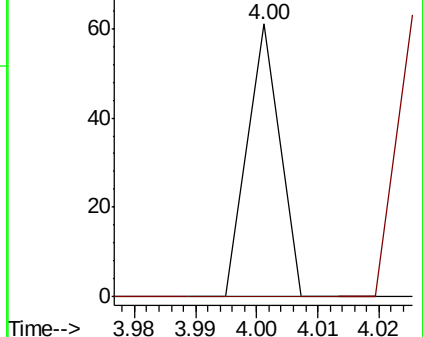
56 100

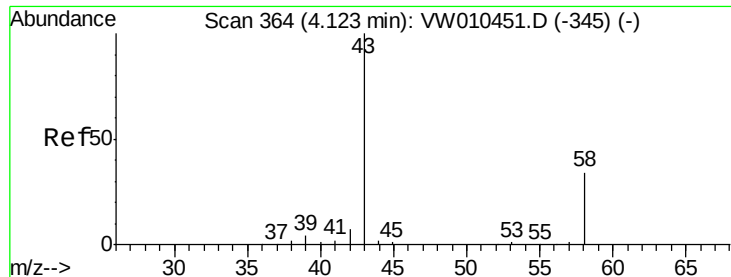
55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 16.123 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010474.D

Acq: 21 May 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

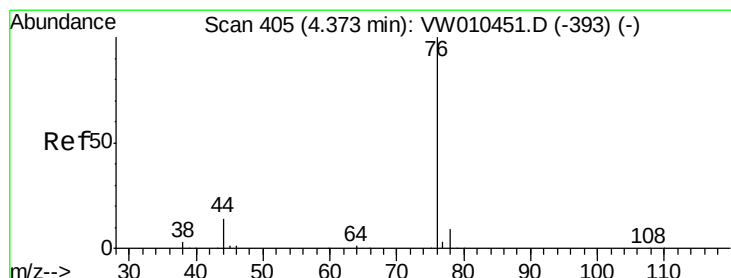
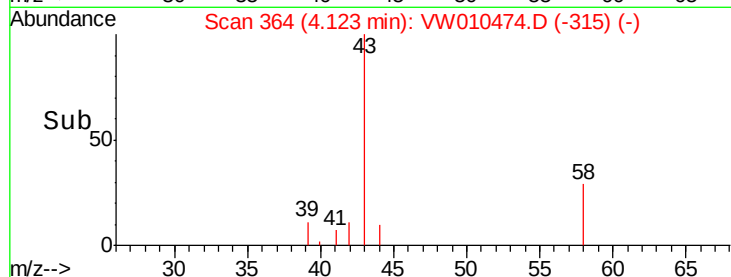
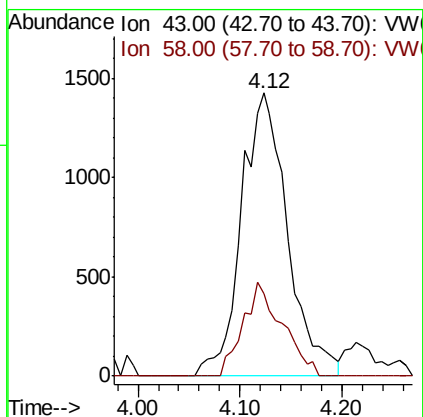
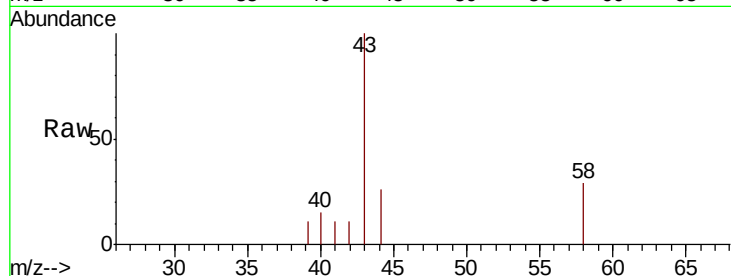
PURGE-WATER-MUD

Tot Ion: 43 Resp: 4481

Ion Ratio Lower Upper

43 100

58 29.1 27.0 40.4



#17

Carbon Disulfide

Concen: 1.139 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010474.D

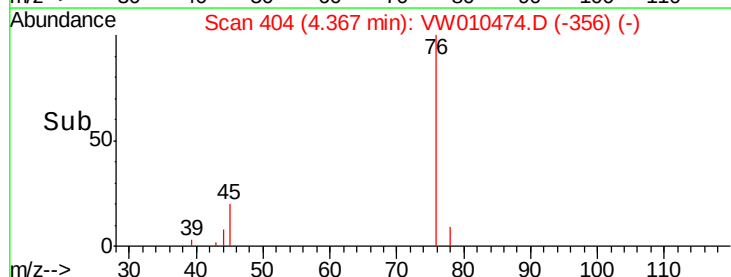
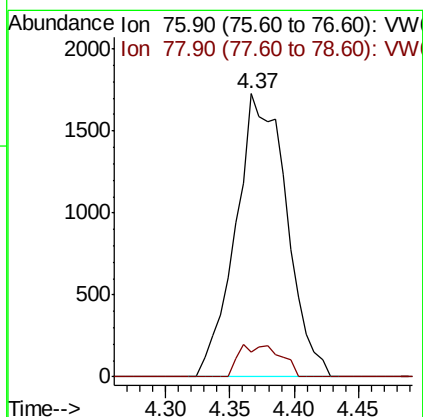
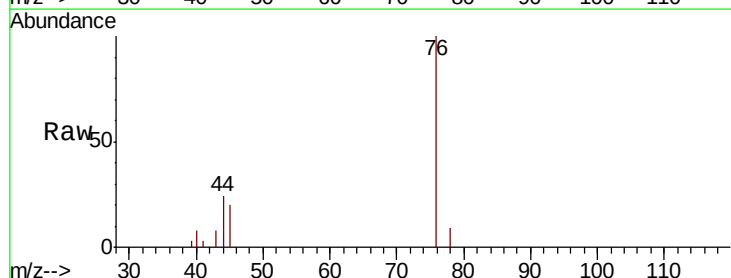
Acq: 21 May 2019 03:42

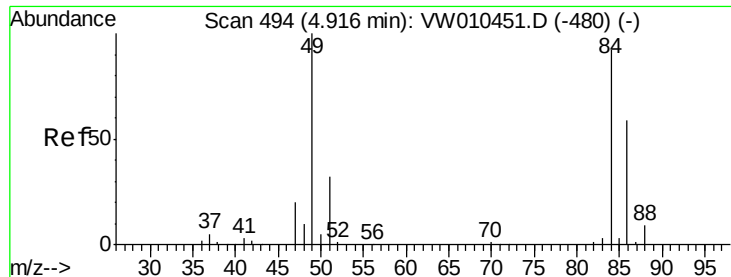
Tgt Ion: 76 Resp: 4732

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

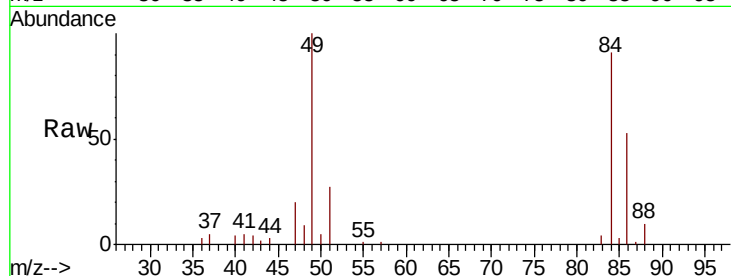




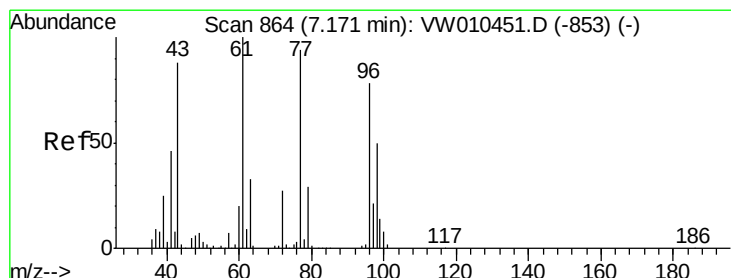
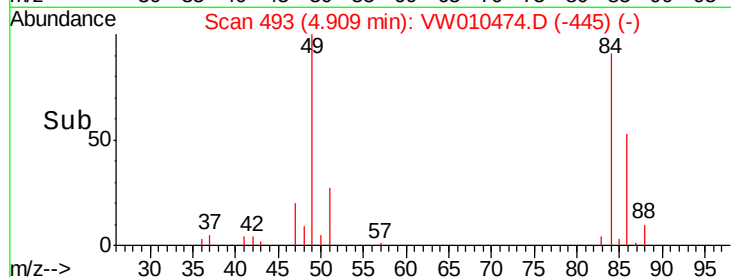
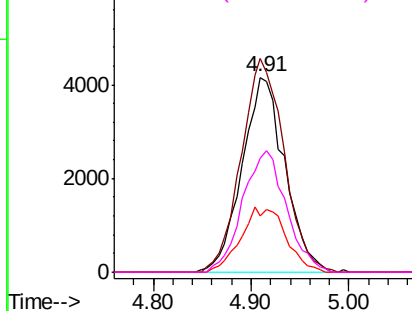
#20
Methylene Chloride
Concen: 2.978 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUD

Tot Ion: 84 Resp: 12634
Ion Ratio Lower Upper
84 100
49 109.8 87.2 130.8
51 29.1 27.7 41.5
86 58.5 51.4 77.0

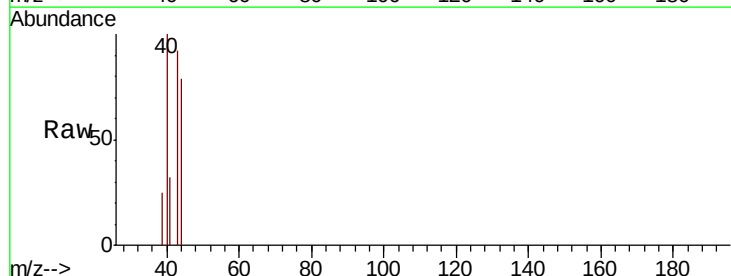


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

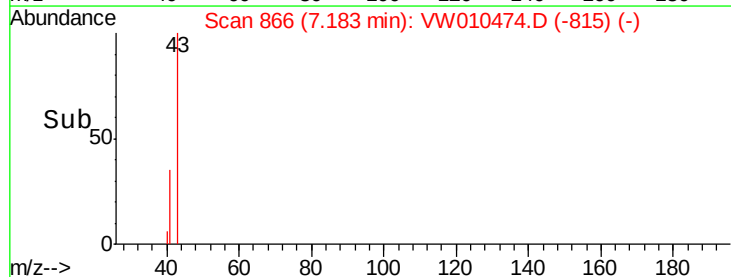
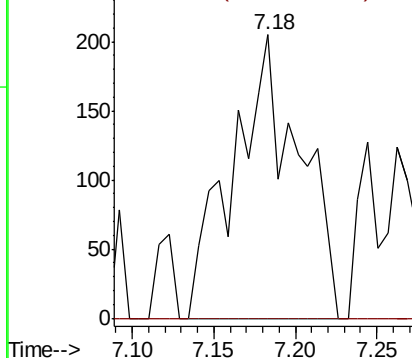


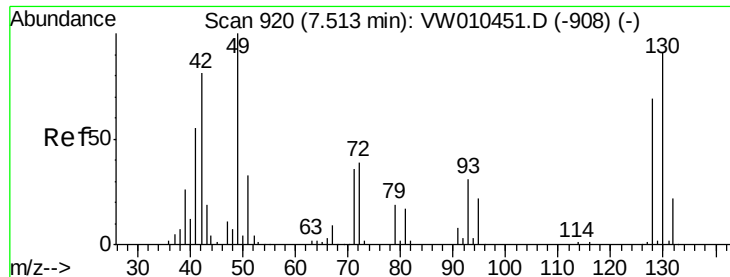
#25
2-Butanone
Concen: 1.466 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 1.230 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.16 min

Lab File: VW010474.D

Acq: 21 May 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

PURGE-WATER-MUD

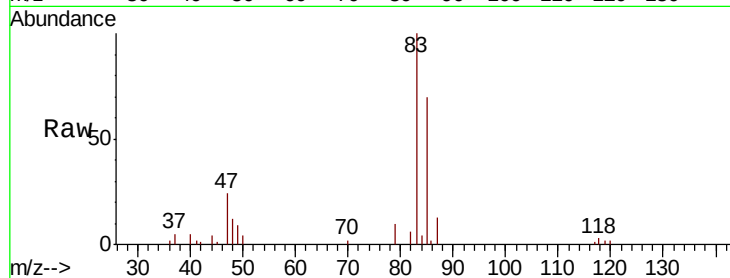
Tot Ion: 49 Resp: 1087

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

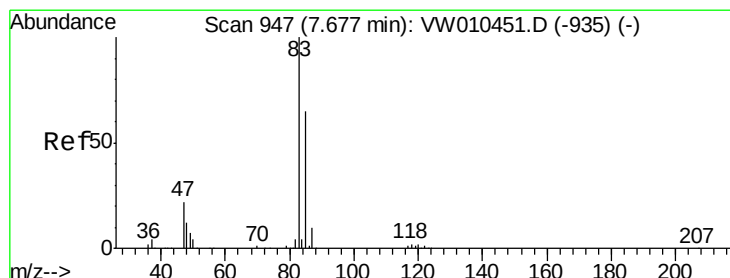
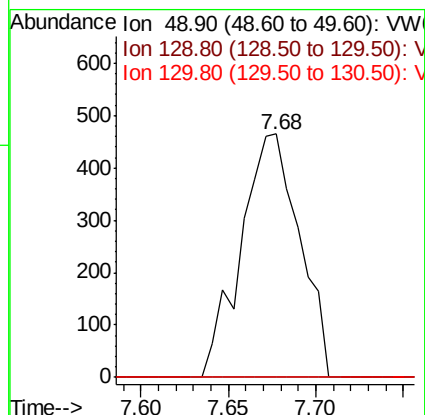
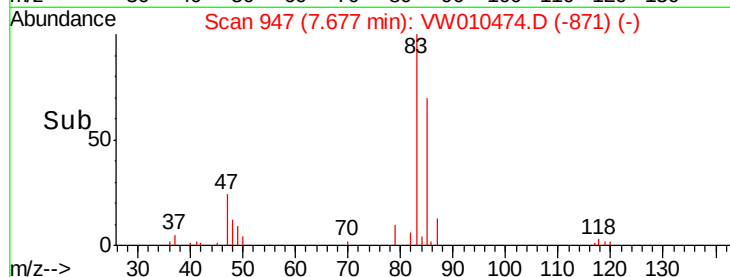
130 0.0 71.2 106.8#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 5.142 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW010474.D

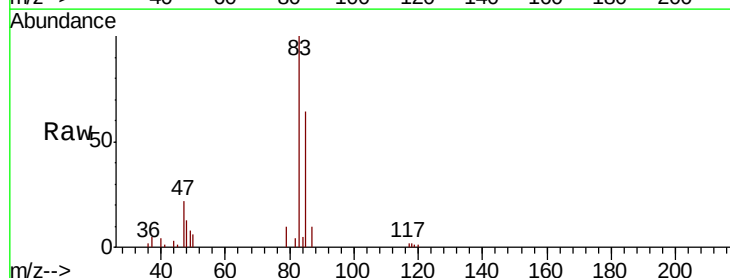
Acq: 21 May 2019 03:42

Tgt Ion: 83 Resp: 13687

Ion Ratio Lower Upper

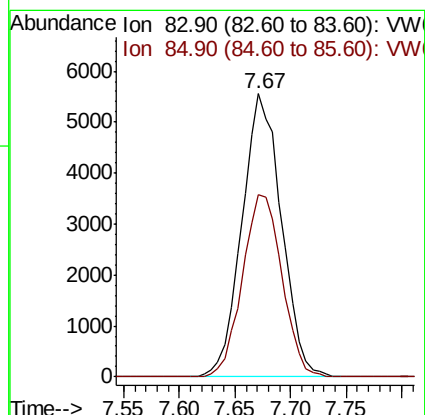
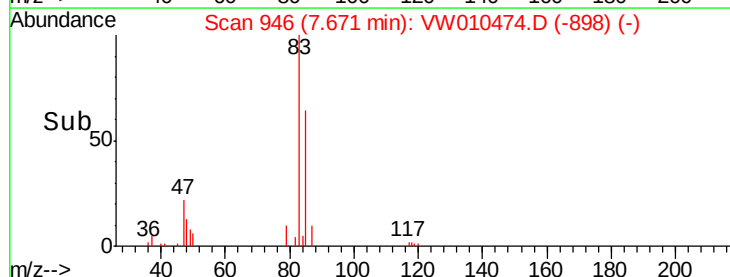
83 100

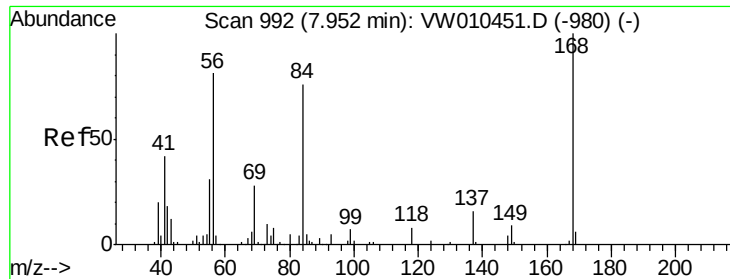
85 64.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

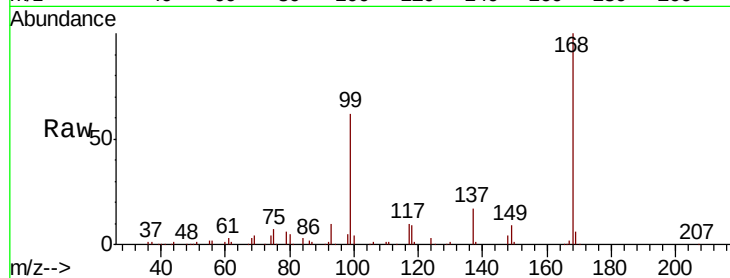




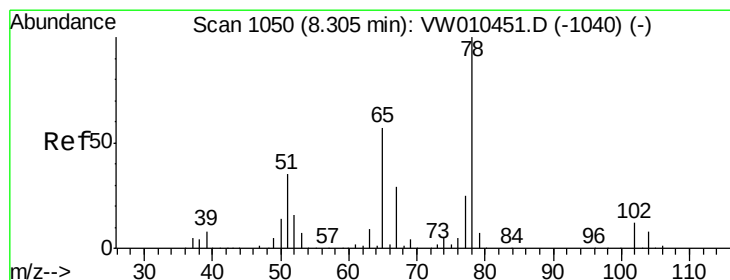
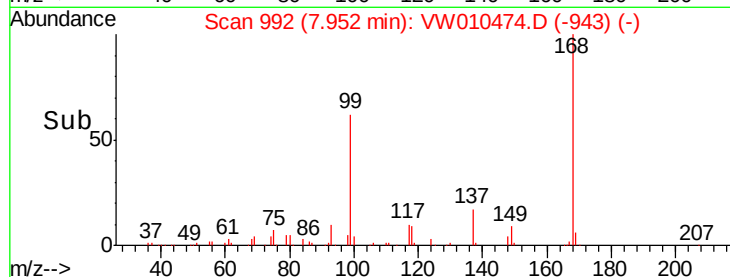
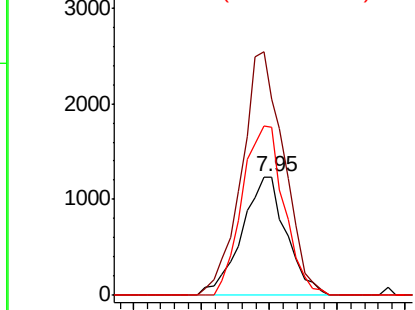
#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUD

Tot Ion: 56 Resp: 2840
Ion Ratio Lower Upper
56 100
69 166.2 28.2 42.2#
84 141.7 75.8 113.8#

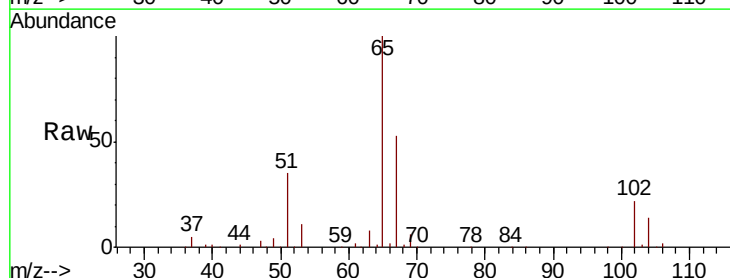


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

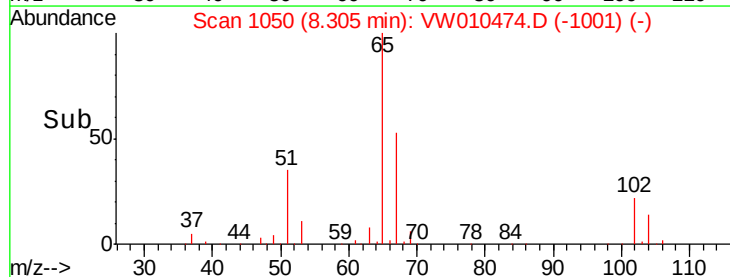
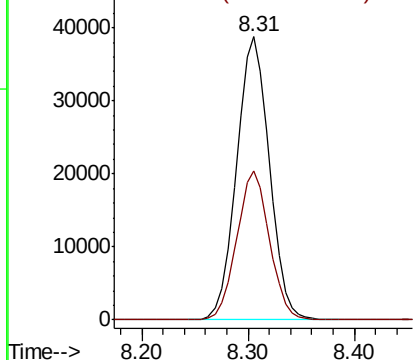


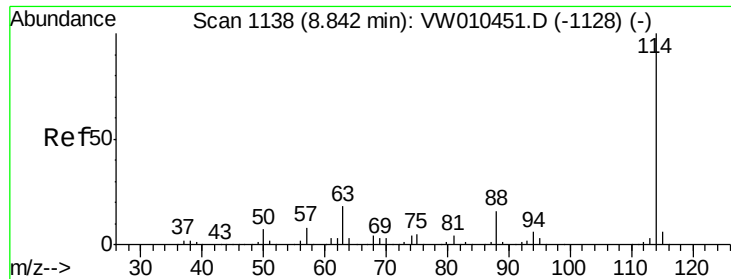
#33
1,2-Dichloroethane-d4
Concen: 61.712 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Tgt Ion: 65 Resp: 84024
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.6



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

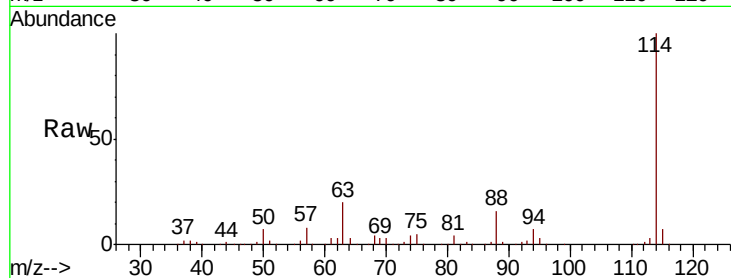




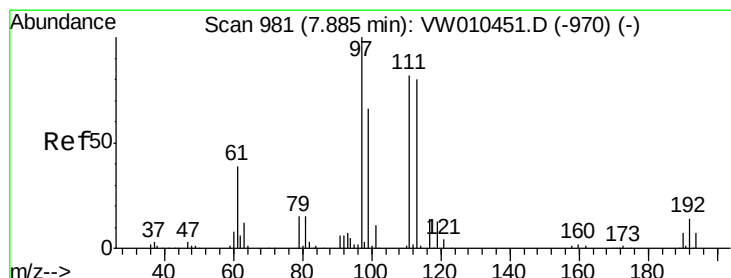
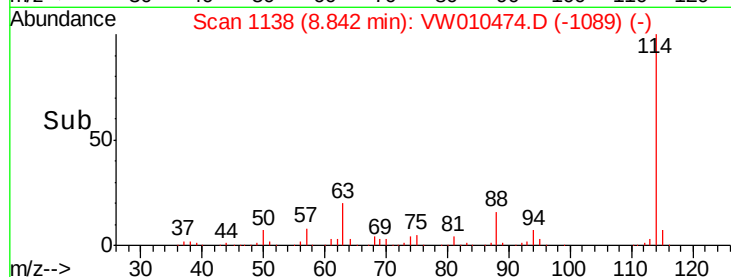
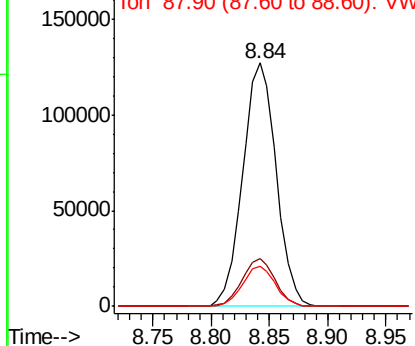
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010474.D
 Acq: 21 May 2019 03:42

Instrument :
 MSVOA_W
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 PURGE-WATER-MUD

Tot Ion:114 Resp: 254452
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.0
 88 16.4 0.0 32.0

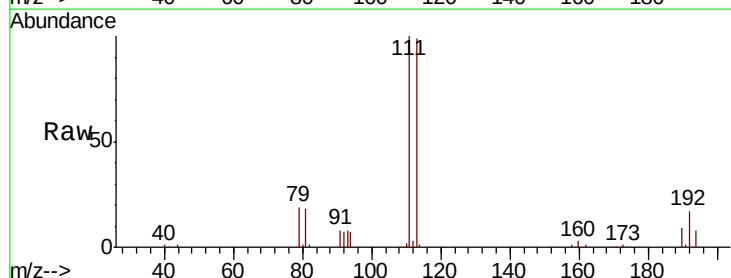


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

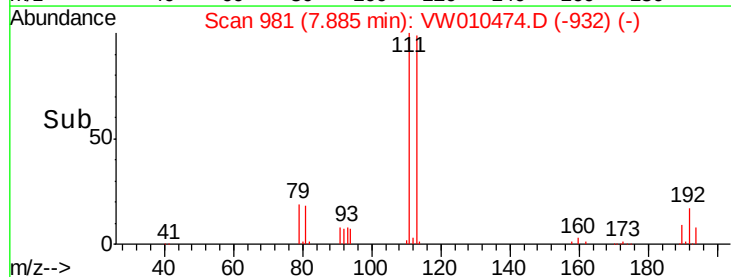
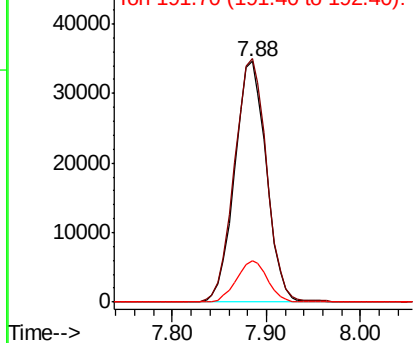


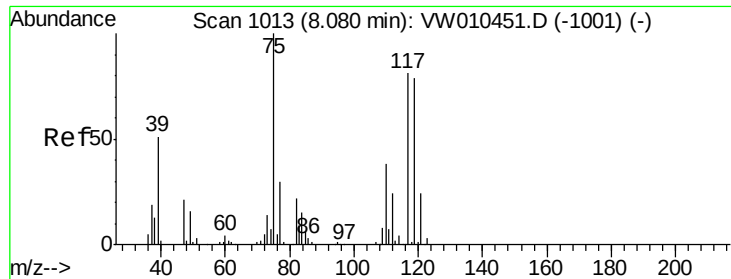
#35
 Dibromofluoromethane
 Concen: 52.469 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010474.D
 Acq: 21 May 2019 03:42

Tgt Ion:113 Resp: 81010
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 16.9 14.3 21.5



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

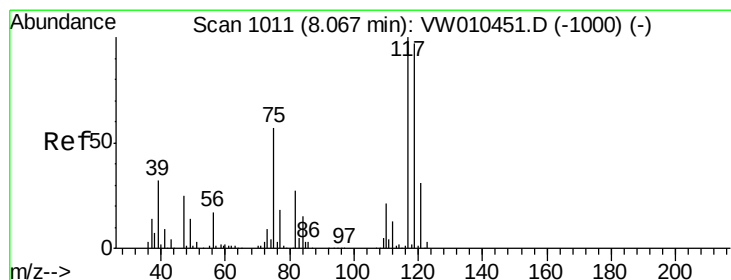
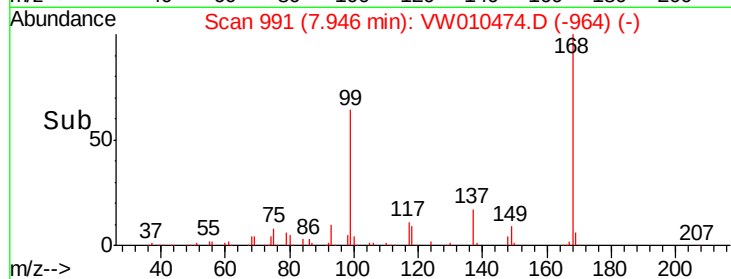
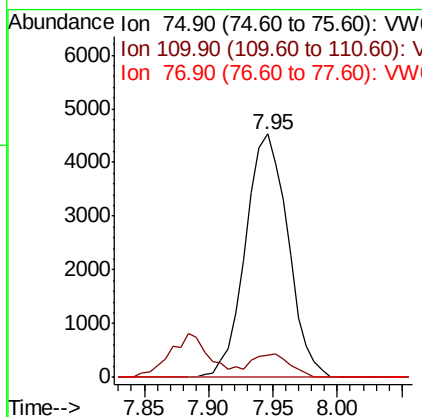
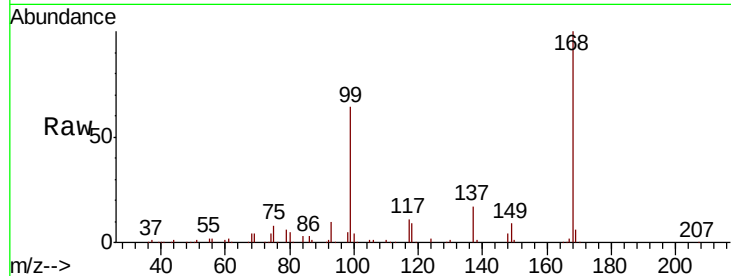




#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010474.D
 Acq: 21 May 2019 03:42

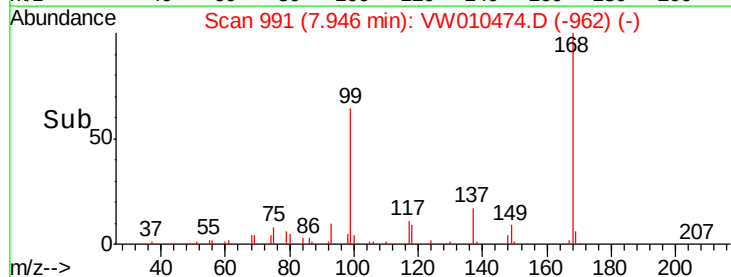
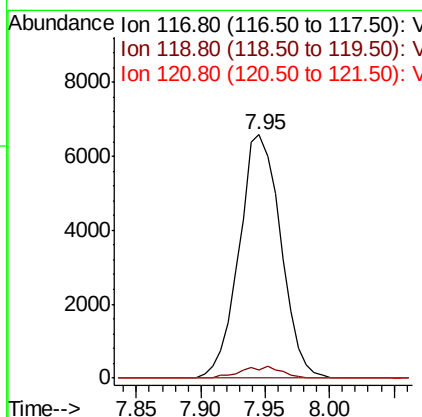
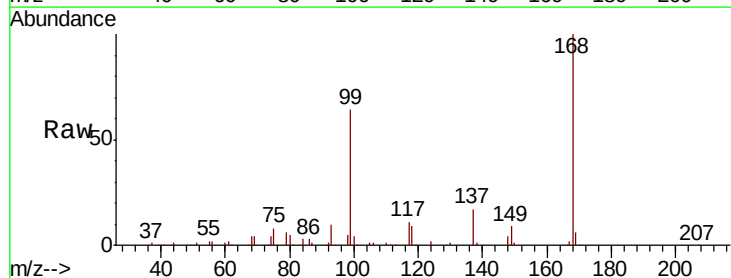
Instrument :
 MSVOA_W
 ClientSampleId :
 PURGE-WATER-MUD

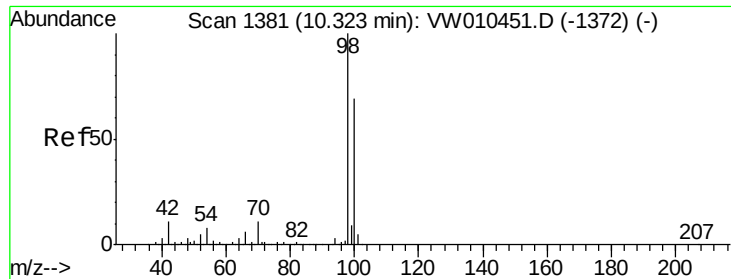
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.2	57.6#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.751 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010474.D
 Acq: 21 May 2019 03:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.4	116.0#
121	0.0	25.0	37.6#

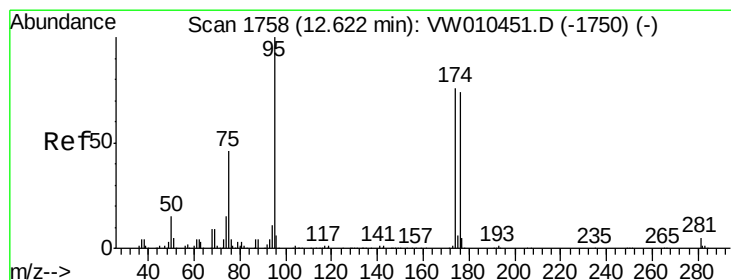
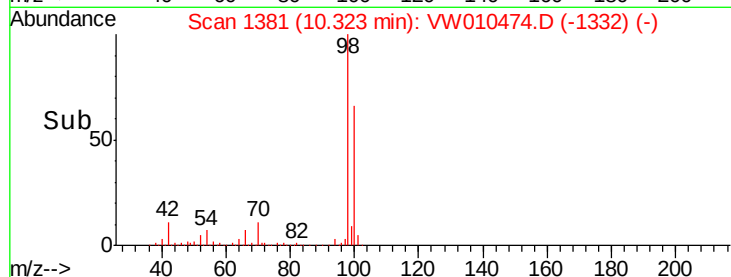
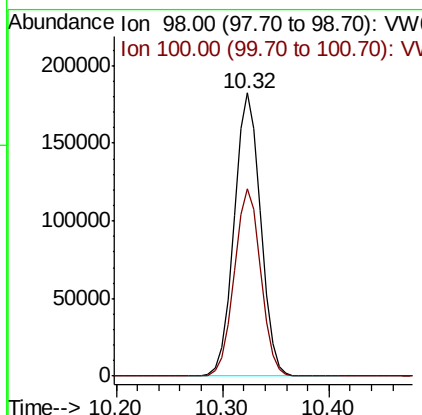
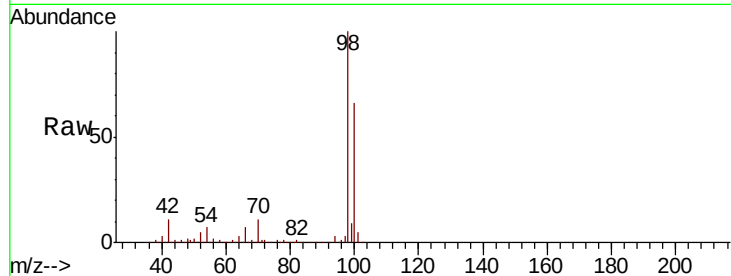




#50
Toluene-d8
Concen: 53.859 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

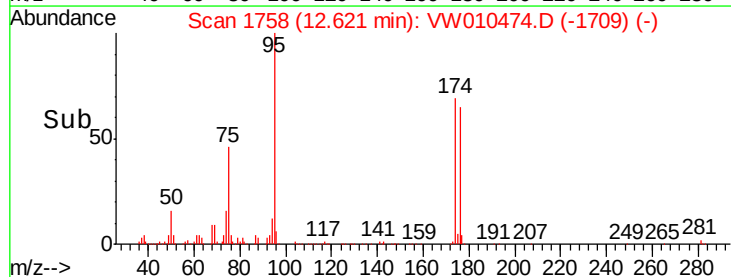
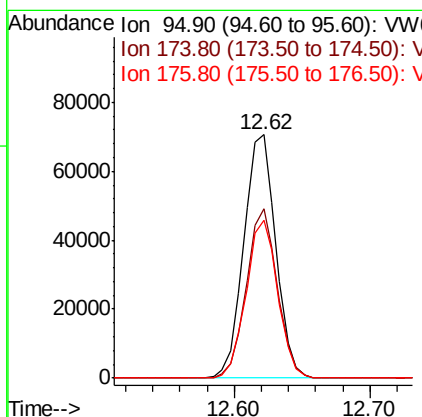
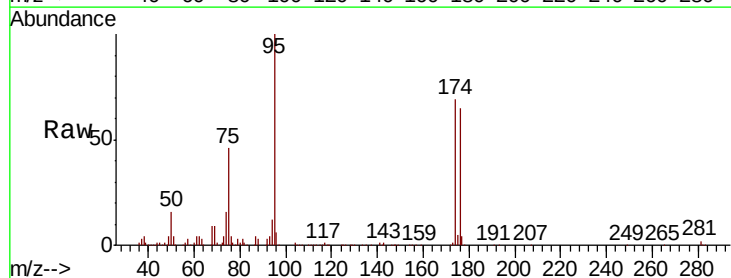
Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUD

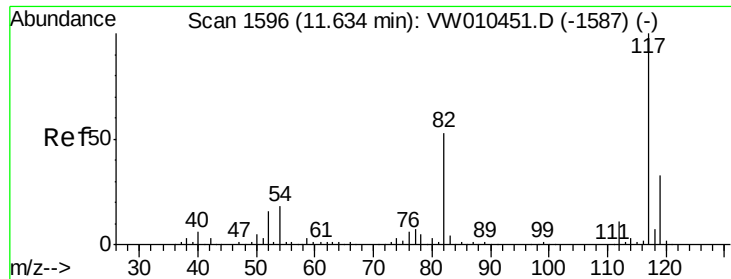
Tot Ion: 98 Resp: 317675
Ion Ratio Lower Upper
98 100
100 66.3 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 49.201 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Tgt Ion: 95 Resp: 115593
Ion Ratio Lower Upper
95 100
174 67.6 0.0 148.6
176 64.8 0.0 144.2

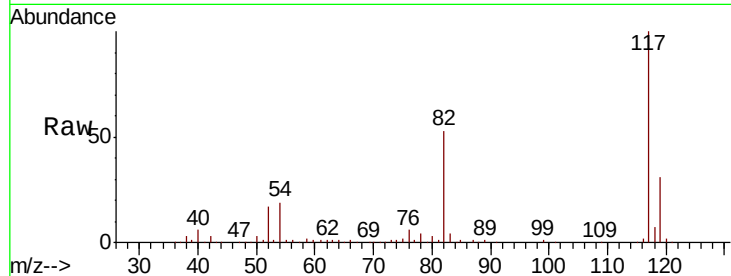




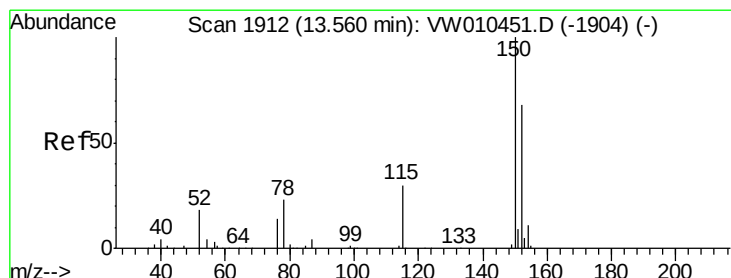
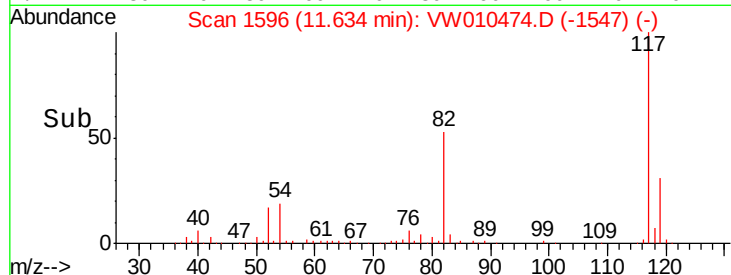
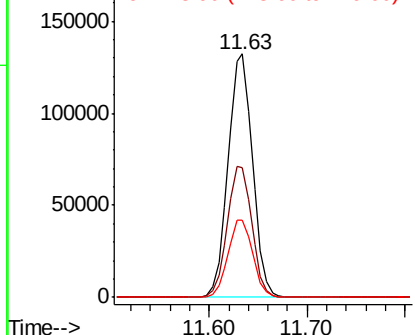
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUD

Tot Ion:117 Resp: 228903
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.5 26.3 39.5

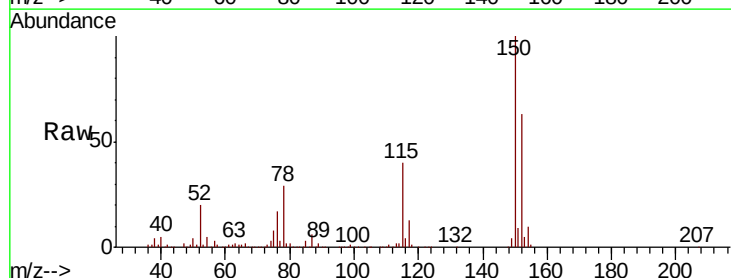


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

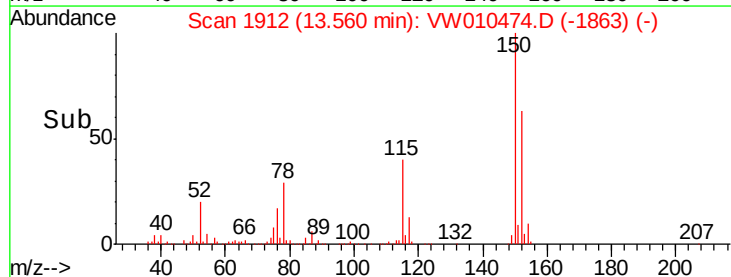
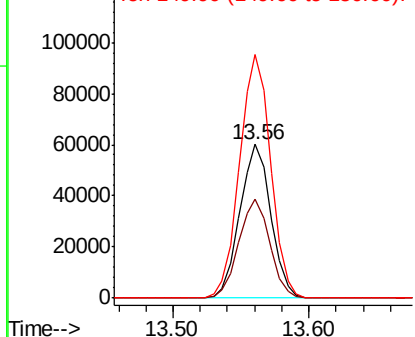


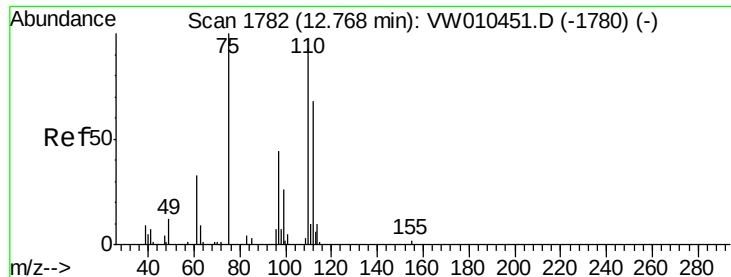
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010474.D
Acq: 21 May 2019 03:42

Tgt Ion:152 Resp: 95534
Ion Ratio Lower Upper
152 100
115 64.6 30.3 91.0
150 159.1 0.0 349.8



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: 56.785 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010474.D

Acq: 21 May 2019 03:42

Instrument :

MSVOA_W

ClientSampleId :

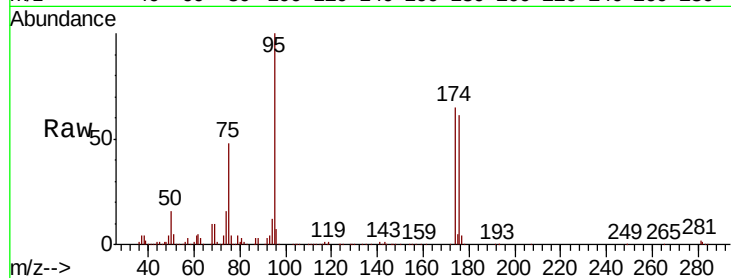
PURGE-WATER-MUD

Tot Ion: 75 Resp: 55066

Ion Ratio Lower Upper

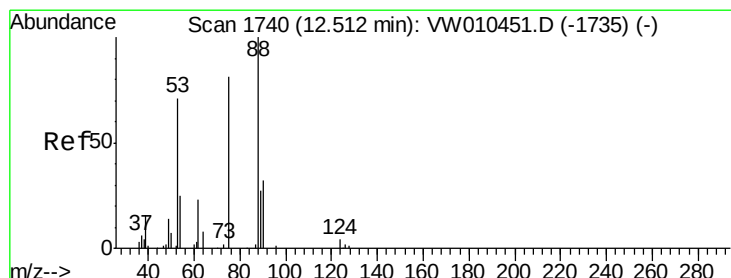
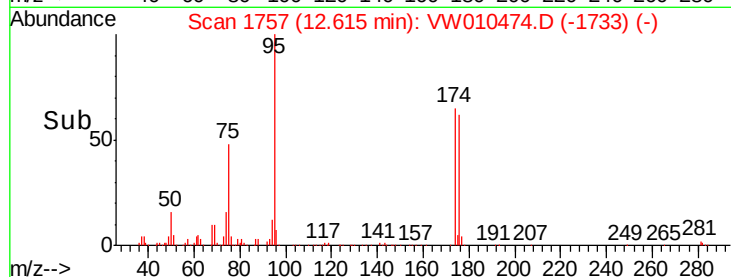
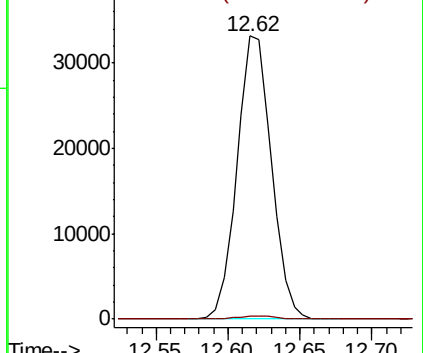
75 100

77 1.2 170.0 510.1#



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: 118.511 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010474.D

Acq: 21 May 2019 03:42

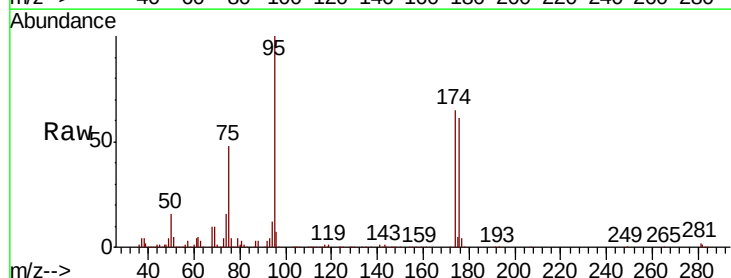
Tgt Ion: 75 Resp: 55066

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

