

Data File : VW010490.D
Acq On : 21 May 2019 16:26
Operator : SY/VA
Sample : K2935-04RE
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUDRE

Quant Time: May 22 06:44:06 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	71683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	136842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	24927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	32875	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
35) Dibromofluoromethane	7.88	113	32091	38.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.30%	
50) Toluene-d8	10.32	98	100110	31.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.12%	
62) 4-Bromofluorobenzene	12.62	95	28842	22.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.66%	

Target Compounds

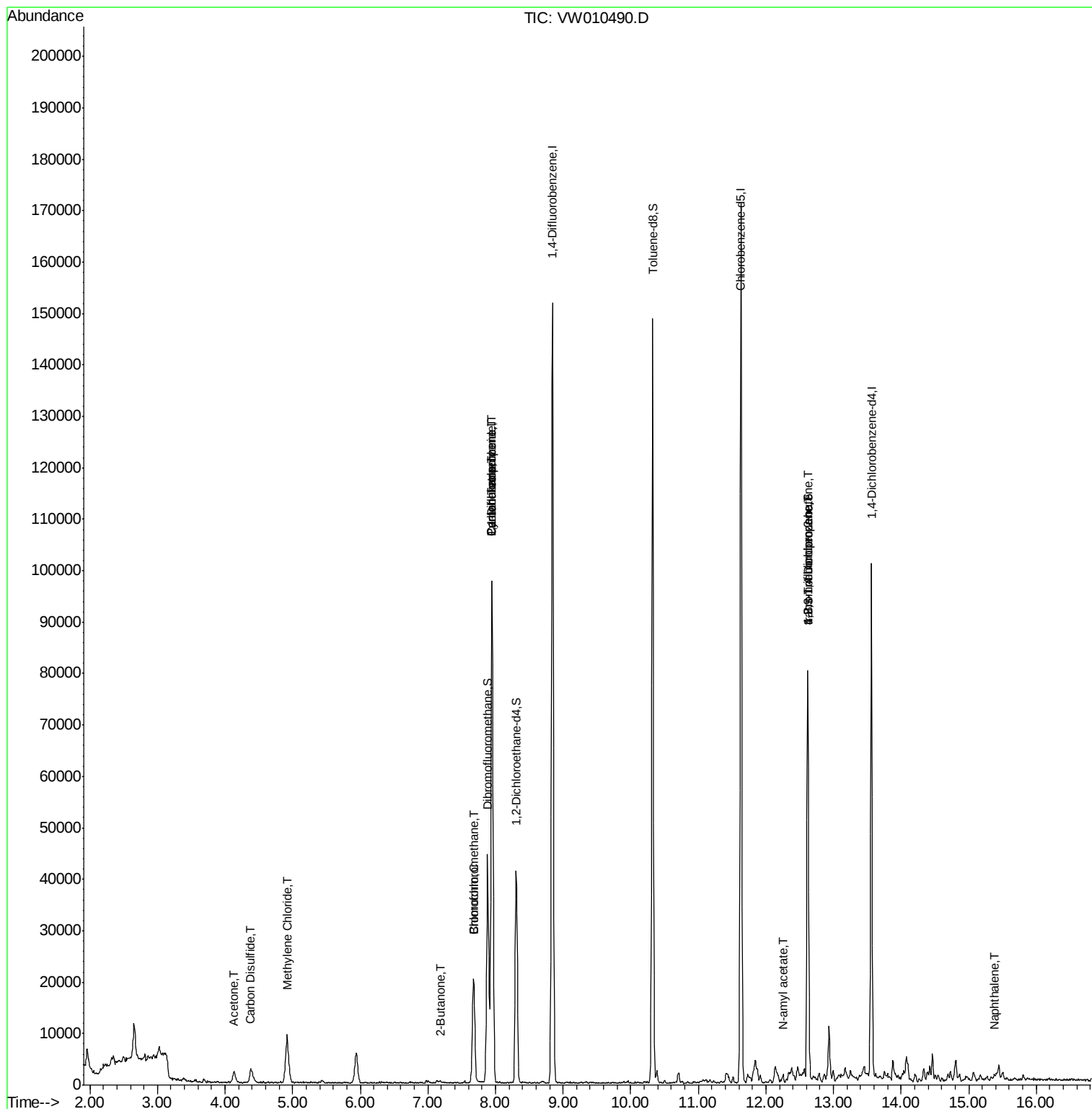
						Qvalue
2) Dichlorodifluoromethane	2.00	85	45	Below Cal	#	42
13) Acrolein	3.93	56	25	Below Cal	#	1
16) Acetone	4.14	43	4342	28.750	ug/l	92
17) Carbon Disulfide	4.38	76	3918	1.735	ug/l	95
20) Methylene Chloride	4.92	84	7228	3.433	ug/l #	86
25) 2-Butanone	7.18	43	250	1.157	ug/l #	45
28) Bromochloromethane	7.68	49	1493	3.109	ug/l #	7
30) Chloroform	7.68	83	19611	13.557	ug/l	92
31) Cyclohexane	7.94	56	1533	1.091	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	5915	4.640	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7727	5.619	ug/l #	16
74) N-amyl acetate	12.25	43	602	1.328	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	13411	53.003	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	13411	110.618	ug/l #	14
95) Naphthalene	15.38	128	1374	1.216	ug/l #	82

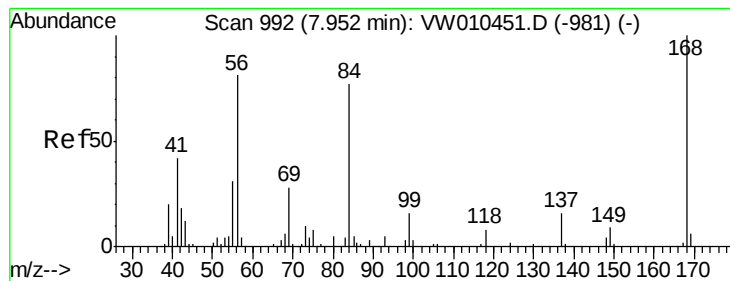
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

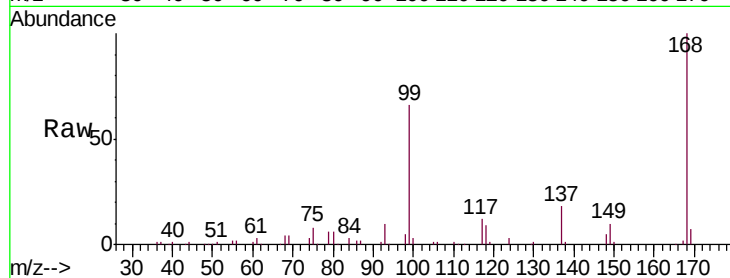
PURGE-WATER-MUDRE

Tgt Ion:168 Resp: 71683

Ion Ratio Lower Upper

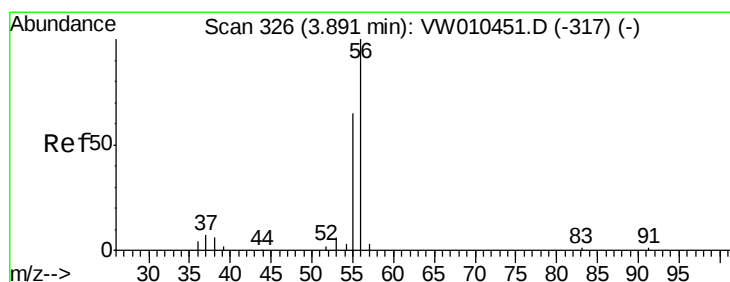
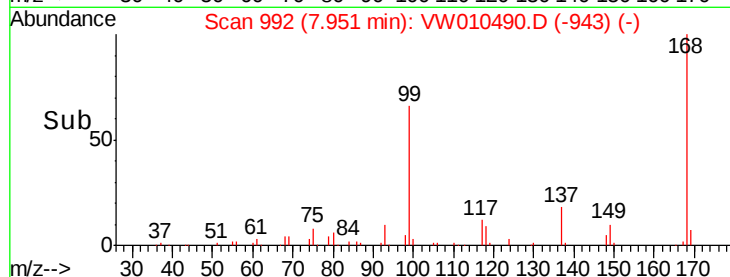
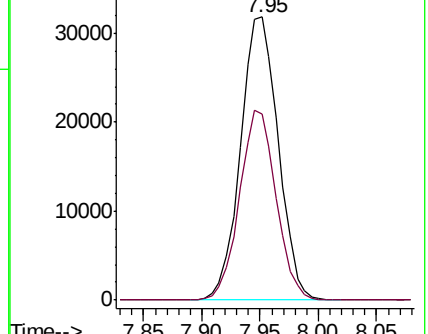
168 100

99 65.7 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: 3.93 min Scan# 332

Delta R.T. 0.04 min

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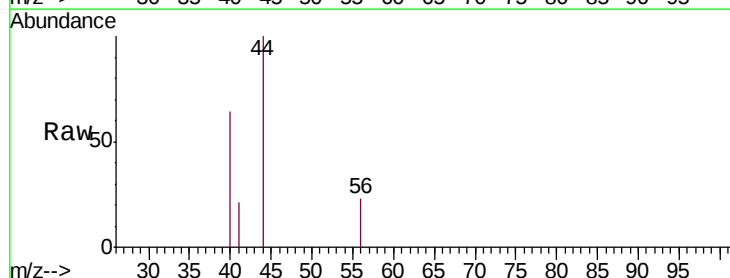
Acq: 21 May 2019 16:26

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

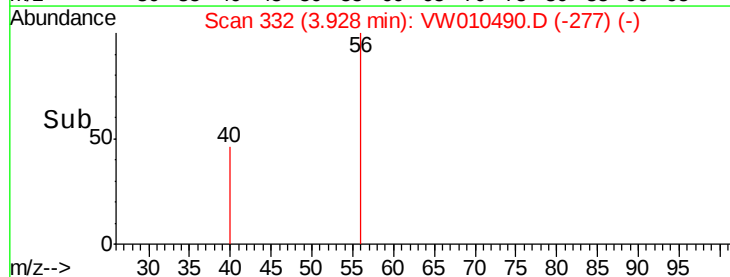
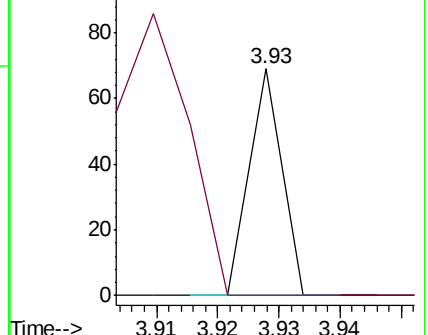
56 100

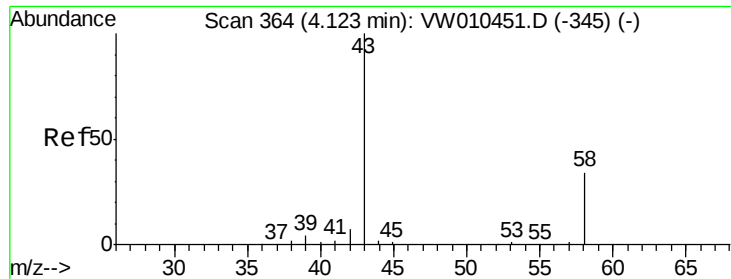
55 904.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

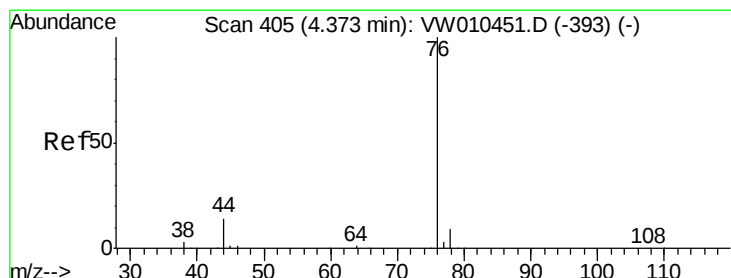
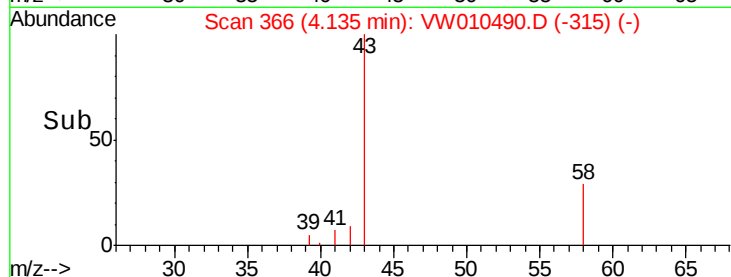
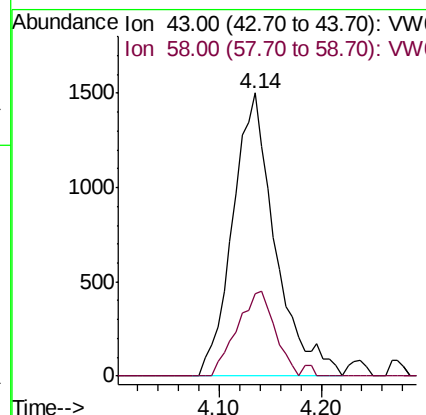
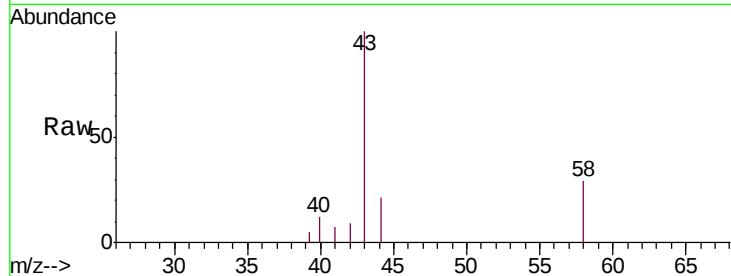




#16
Acetone
Concen: 28.750 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

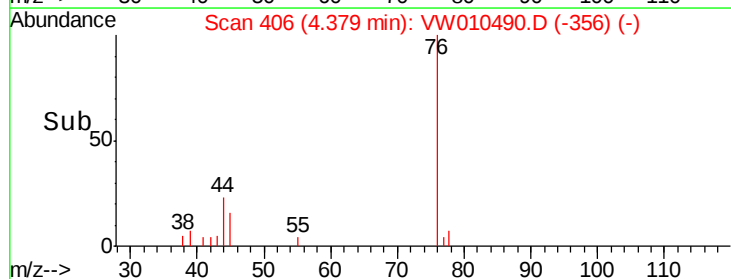
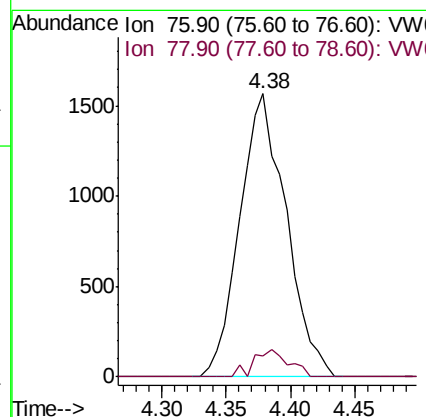
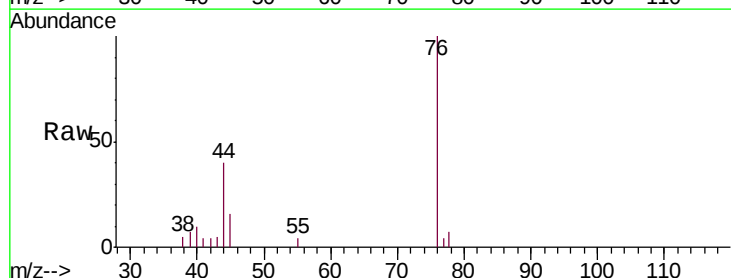
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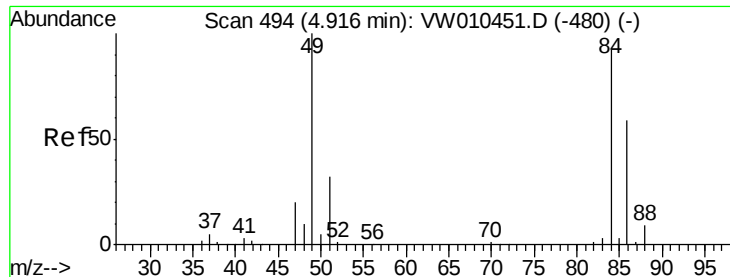
Tgt Ion: 43 Resp: 4342
Ion Ratio Lower Upper
43 100
58 28.9 27.0 40.4



#17
Carbon Disulfide
Concen: 1.735 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

Tgt Ion: 76 Resp: 3918
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7

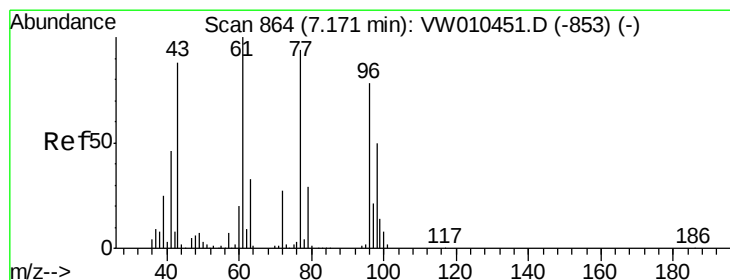
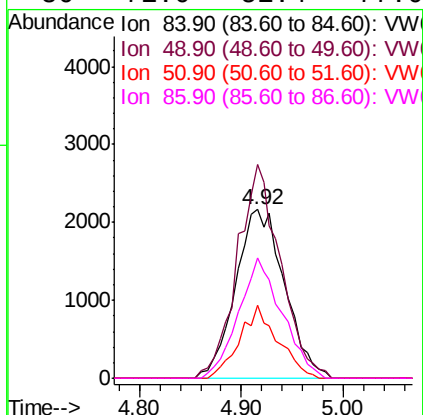
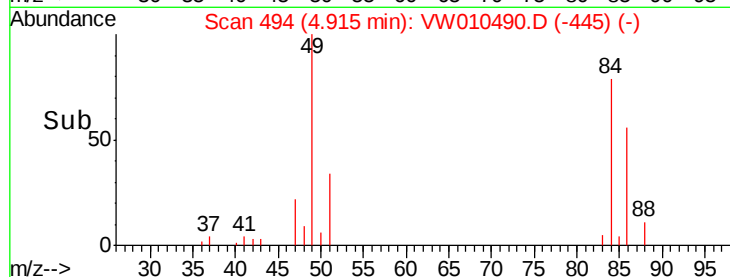
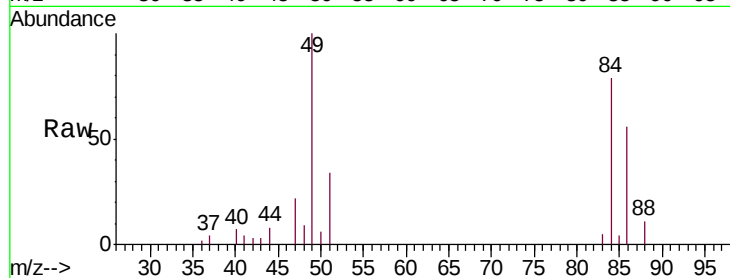




#20
Methylene Chloride
Concen: 3.433 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

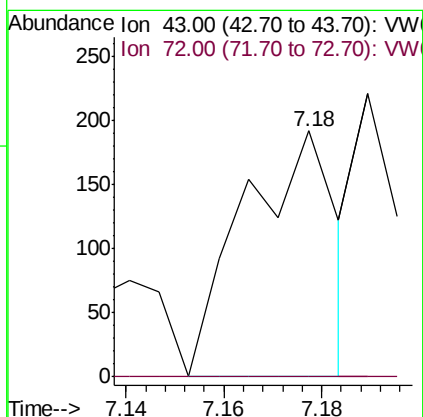
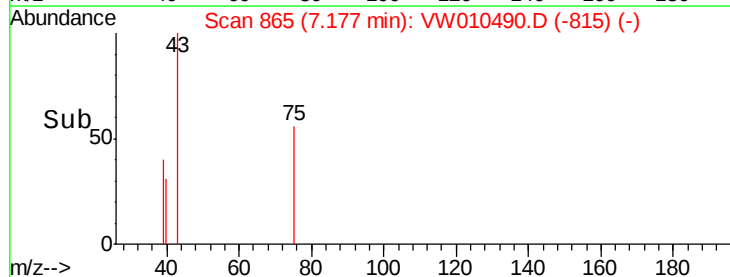
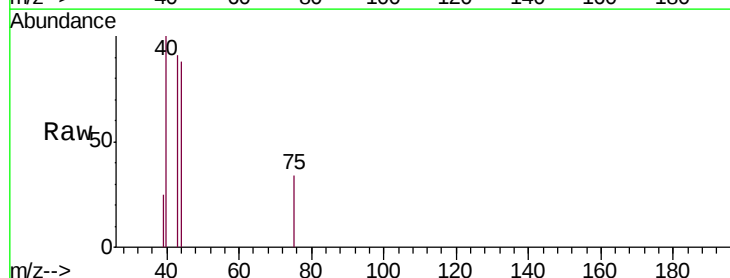
Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUDRE

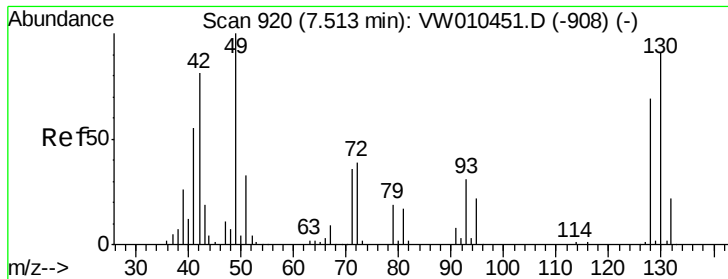
Tgt Ion: 84 Resp: 7228
Ion Ratio Lower Upper
84 100
49 126.5 87.2 130.8
51 43.4 27.7 41.5#
86 71.0 51.4 77.0



#25
2-Butanone
Concen: 1.157 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

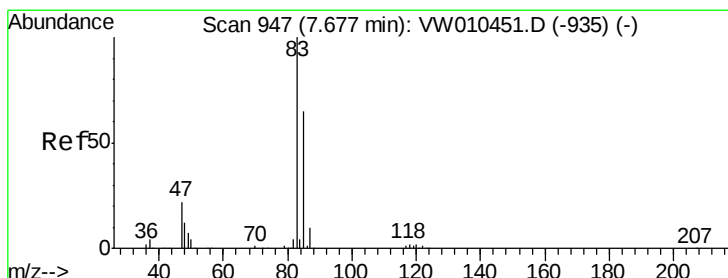
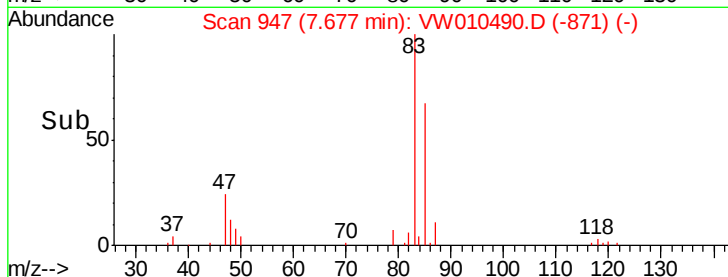
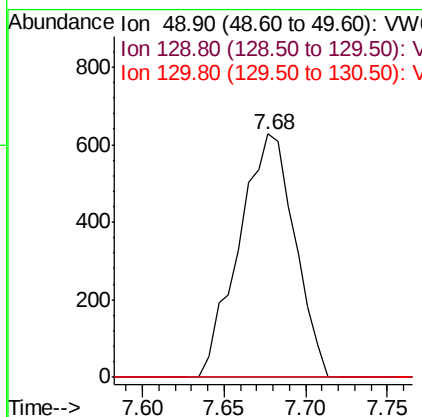
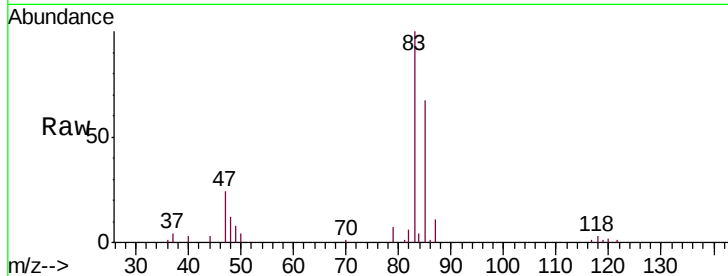




#28
 Bromochloromethane
 Concen: 3.109 ug/l
 RT: 7.68 min Scan# 947
 Delta R.T. 0.16 min
 Lab File: VW010490.D
 Acq: 21 May 2019 16:26

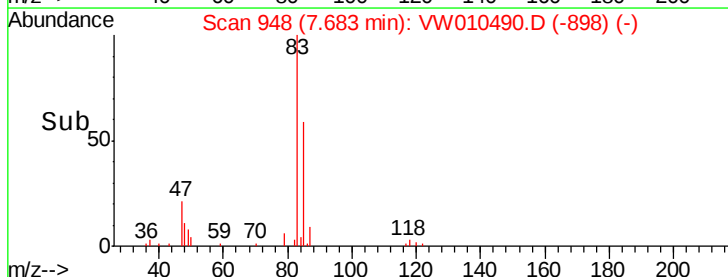
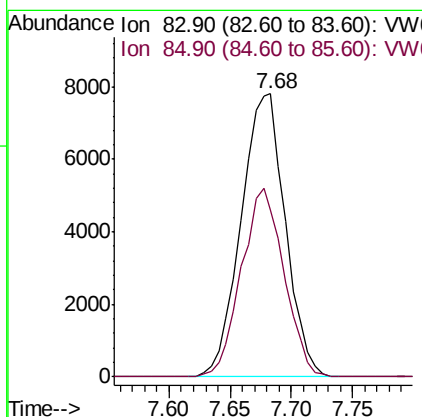
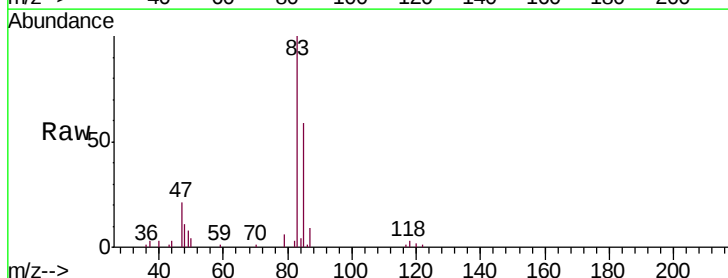
Instrument :
 MSVOA_W
 ClientSampleId :
 PURGE-WATER-MUDRE

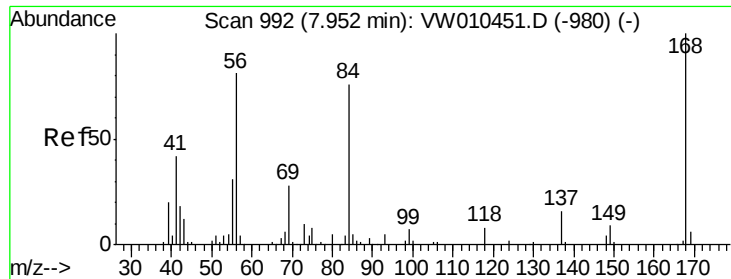
Tgt Ion: 49 Resp: 1493
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 0.0 71.2 106.8#



#30
 Chloroform
 Concen: 13.557 ug/l
 RT: 7.68 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VW010490.D
 Acq: 21 May 2019 16:26

Tgt Ion: 83 Resp: 19611
 Ion Ratio Lower Upper
 83 100
 85 58.9 52.2 78.4

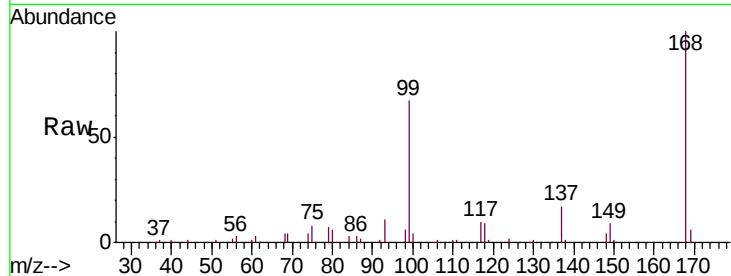




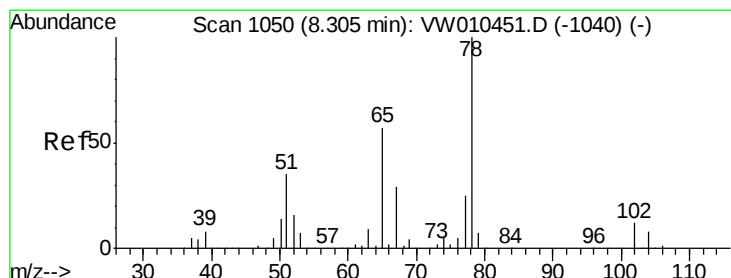
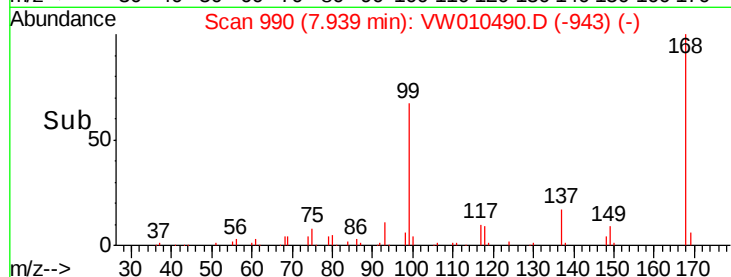
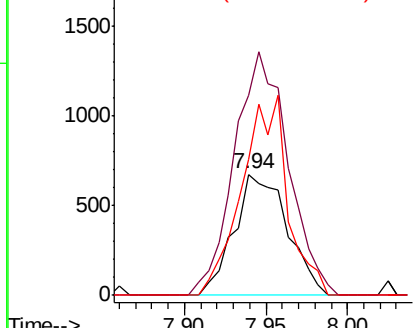
#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUDRE

Tgt Ion: 56 Resp: 1533
Ion Ratio Lower Upper
56 100
69 165.0 28.2 42.2#
84 112.7 75.8 113.8

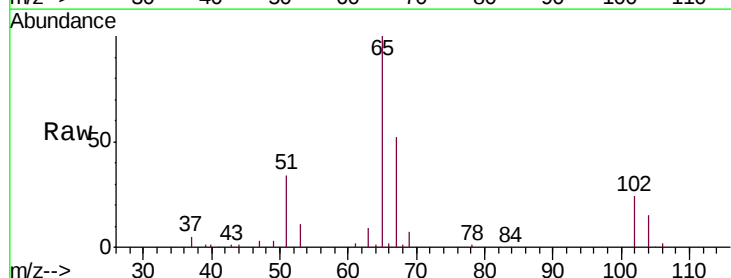


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

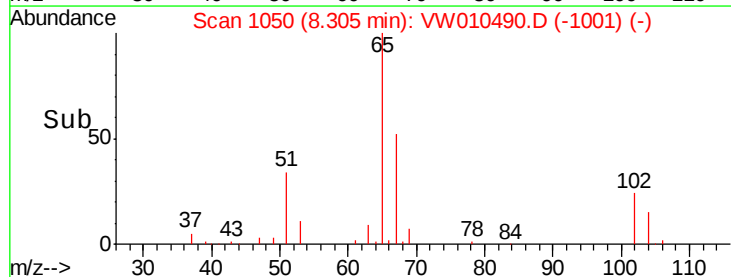
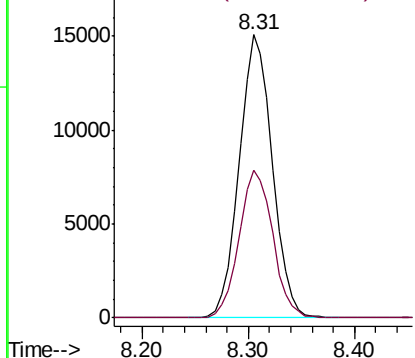


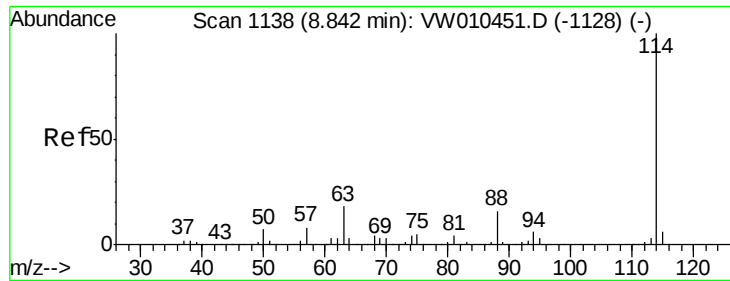
#33
1,2-Dichloroethane-d4
Concen: 44.432 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

Tgt Ion: 65 Resp: 32875
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.6



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

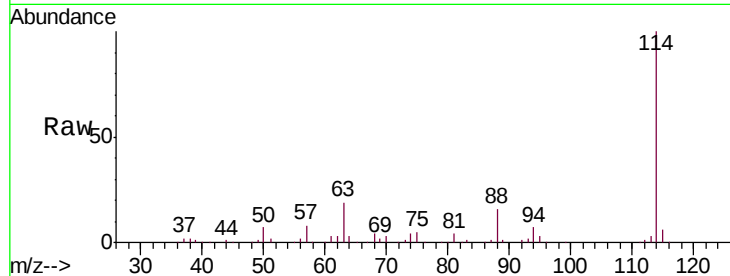




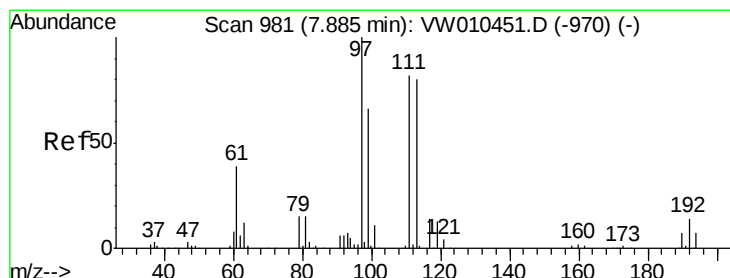
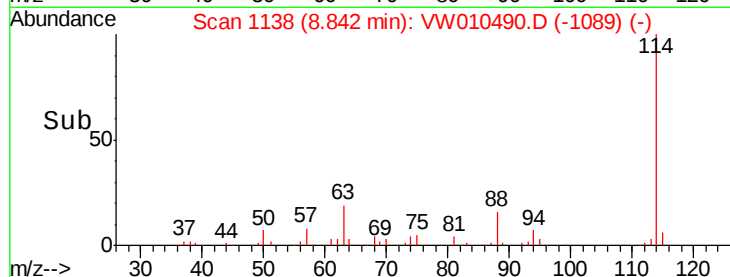
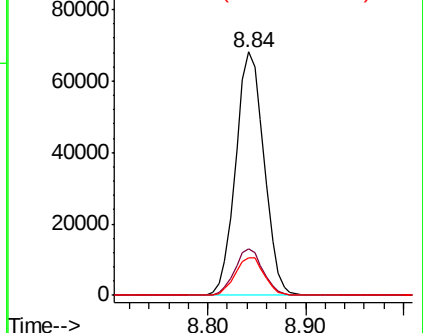
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010490.D
 Acq: 21 May 2019 16:26

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Tgt Ion:114 Resp: 136842
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.0
 88 15.6 0.0 32.0

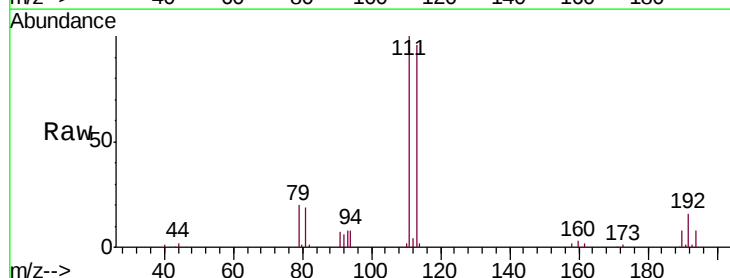


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

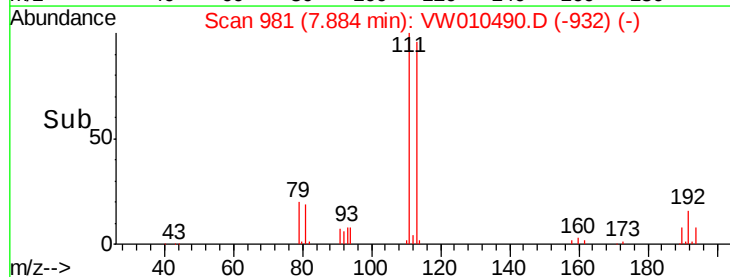
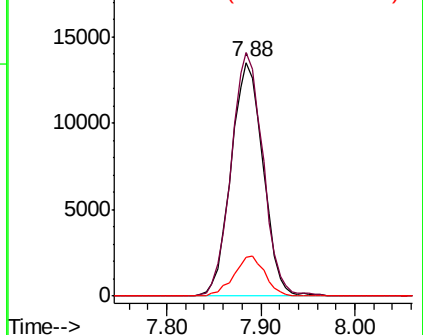


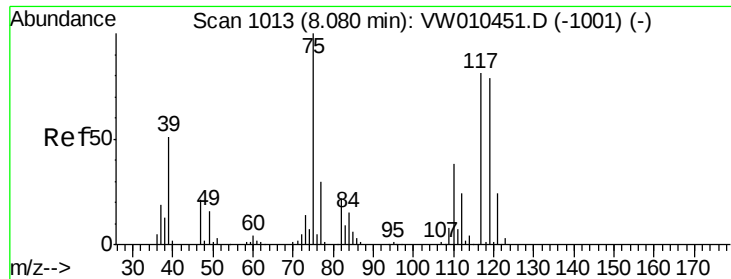
#35
 Dibromofluoromethane
 Concen: 38.648 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010490.D
 Acq: 21 May 2019 16:26

Tgt Ion:113 Resp: 32091
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 16.5 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

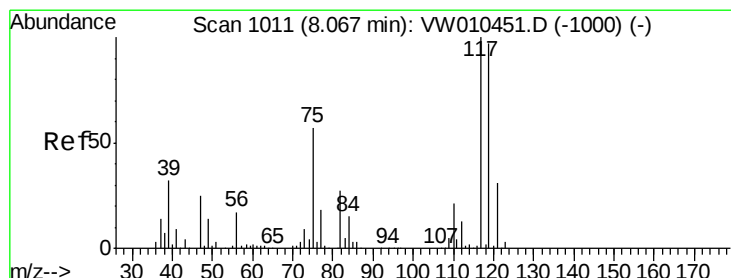
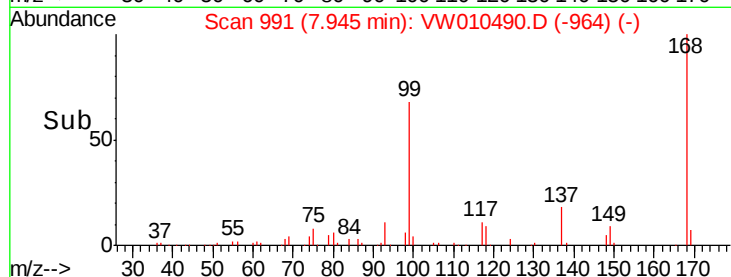
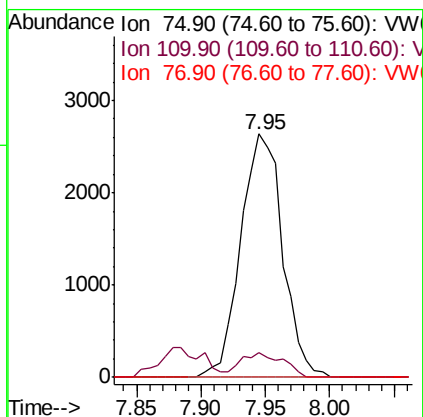
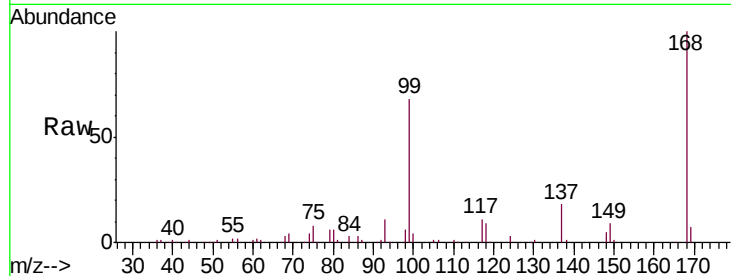




#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010490.D
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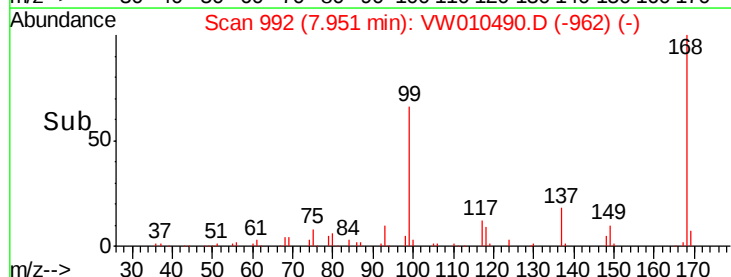
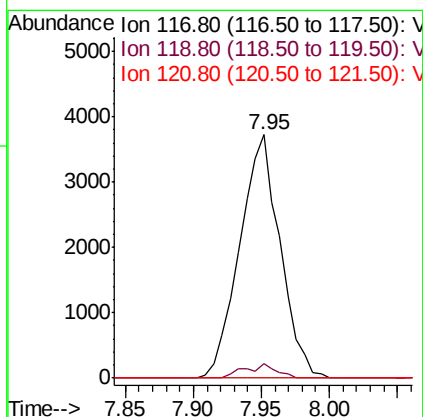
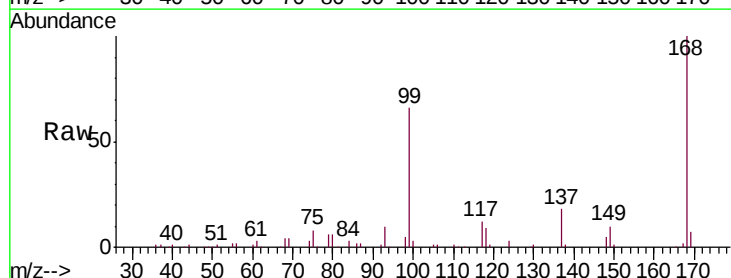
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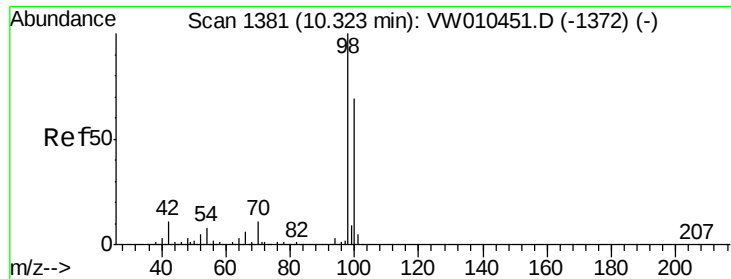
Tgt Ion: 75 Resp: 5915
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.619 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010490.D
 Acq: 21 May 2019 16:26

Tgt Ion: 117 Resp: 7727
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 31.560 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010490.D

Acq: 21 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

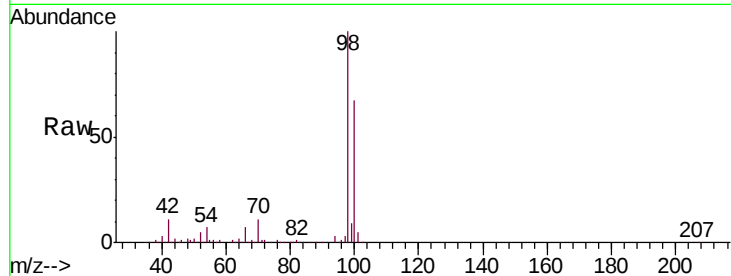
PURGE-WATER-MUDRE

Tgt Ion: 98 Resp: 100110

Ion Ratio Lower Upper

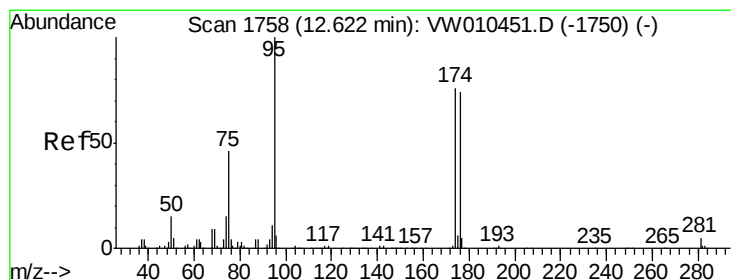
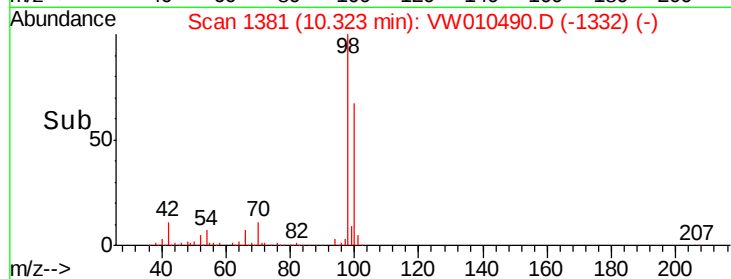
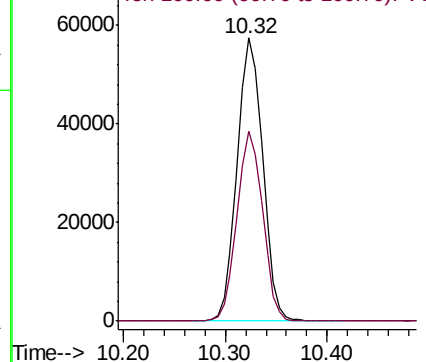
98 100

100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 22.827 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010490.D

Acq: 21 May 2019 16:26

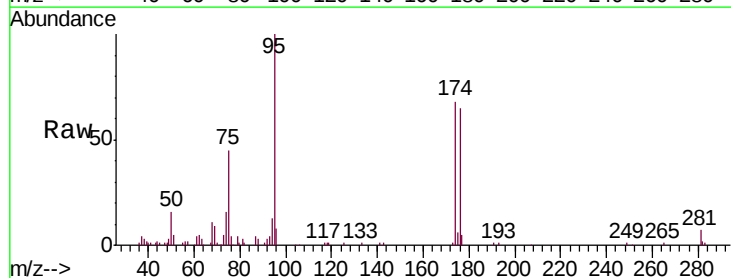
Tgt Ion: 95 Resp: 28842

Ion Ratio Lower Upper

95 100

174 67.0 0.0 148.6

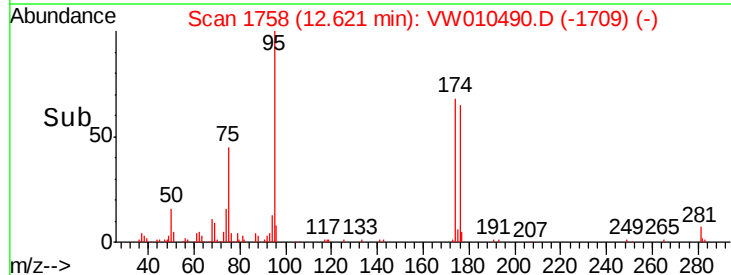
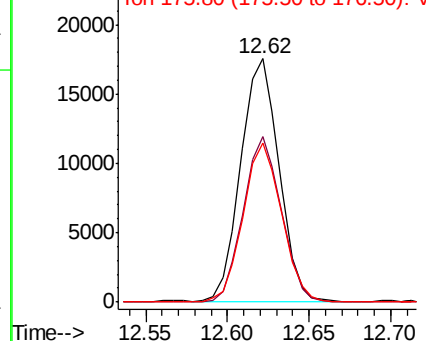
176 65.2 0.0 144.2

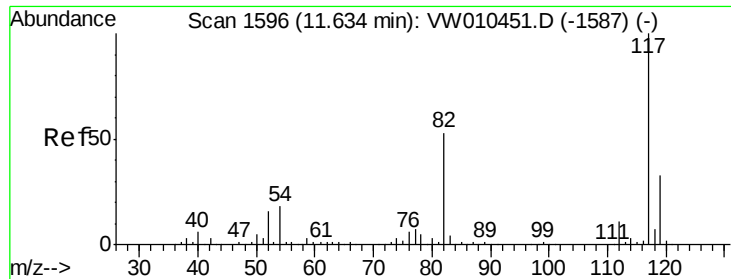


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

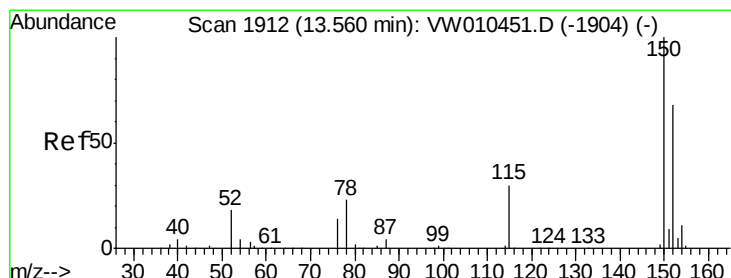
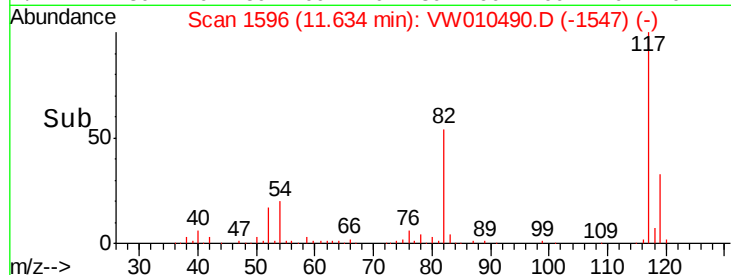
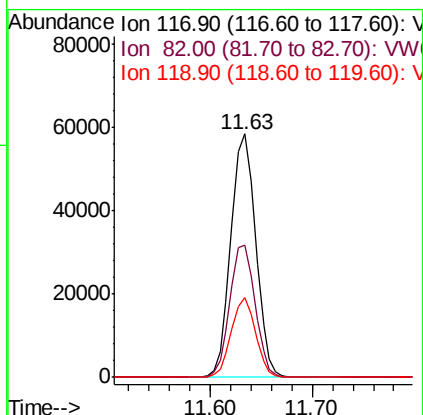
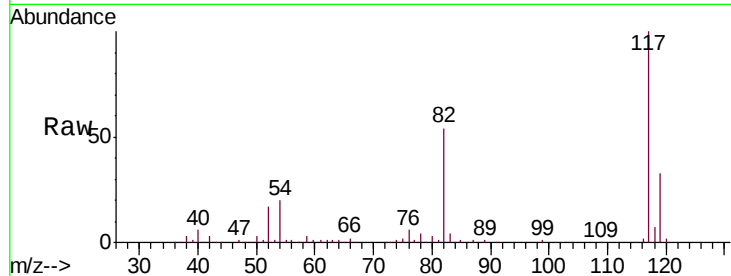




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

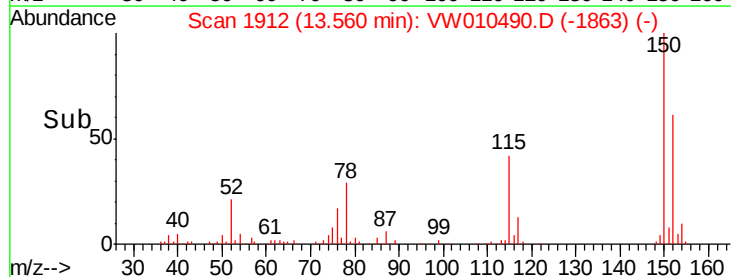
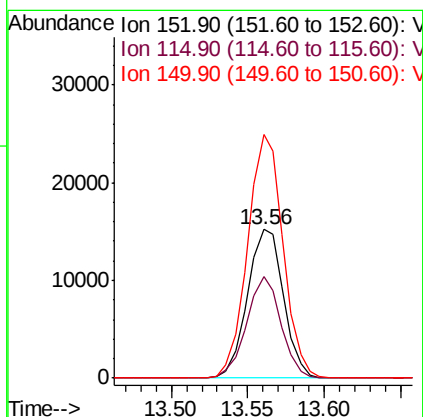
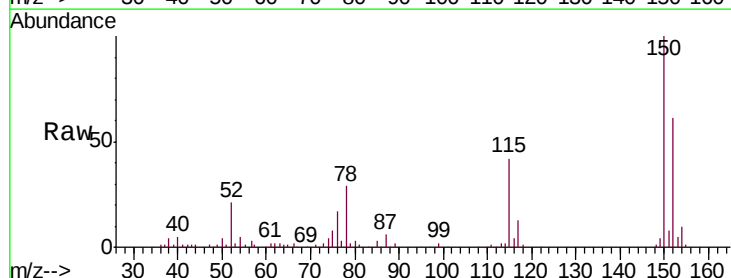
Instrument :
MSVOA_W
ClientSampleId :
PURGE-WATER-MUDRE

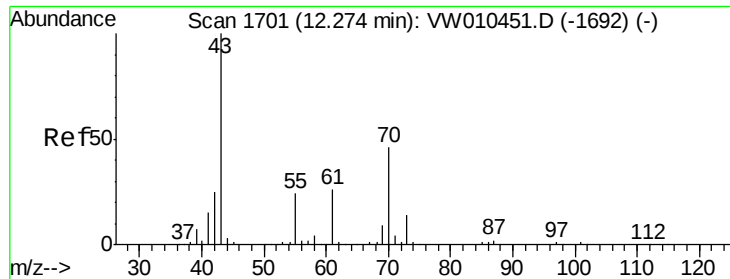
Tgt Ion:117 Resp: 98636
Ion Ratio Lower Upper
117 100
82 54.4 42.8 64.2
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010490.D
Acq: 21 May 2019 16:26

Tgt Ion:152 Resp: 24927
Ion Ratio Lower Upper
152 100
115 65.1 30.3 91.0
150 160.9 0.0 349.8





#74

N-amyI acetate

Concen: 1.328 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW010490.D

Acq: 21 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

PURGE-WATER-MUDRE

Tgt Ion: 43 Resp: 602

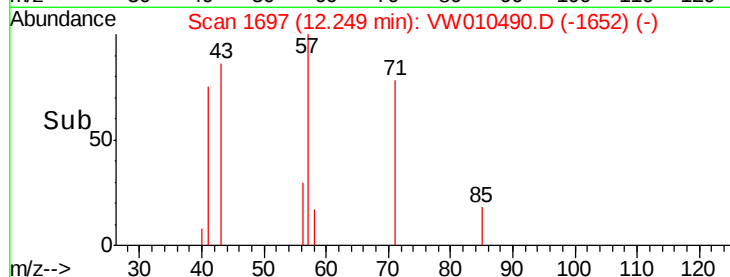
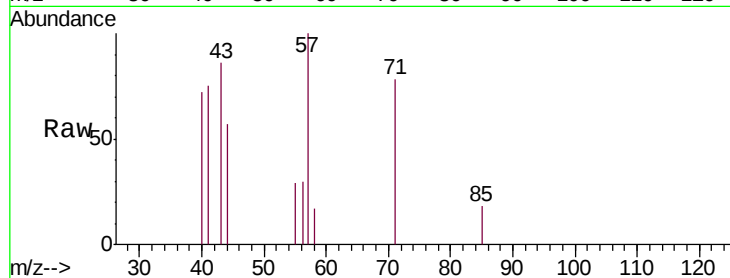
Ion Ratio Lower Upper

43 100

70 0.0 37.1 55.7#

55 9.1 19.6 29.4#

61 0.0 20.7 31.1#

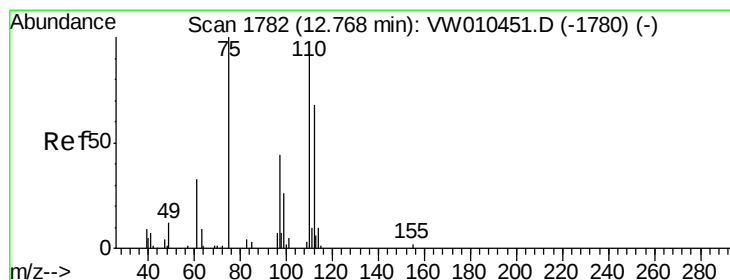
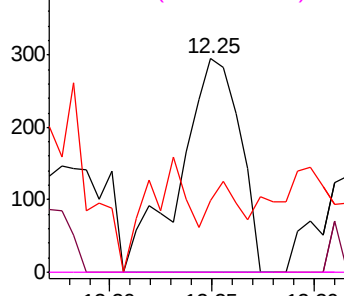


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 53.003 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010490.D

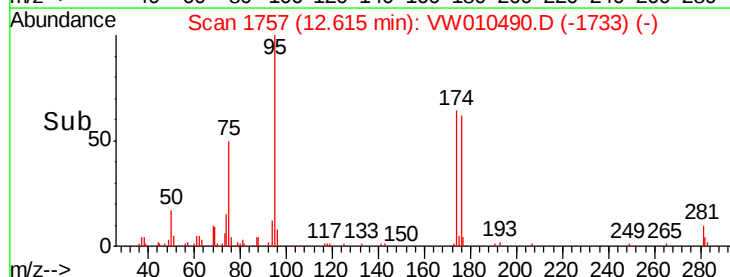
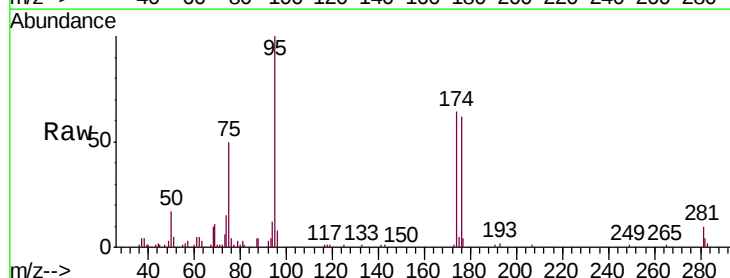
Acq: 21 May 2019 16:26

Tgt Ion: 75 Resp: 13411

Ion Ratio Lower Upper

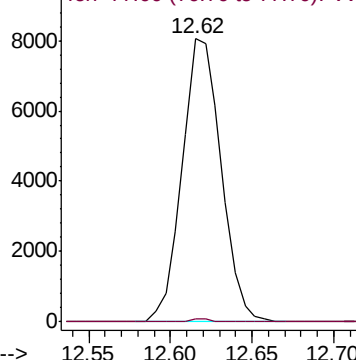
75 100

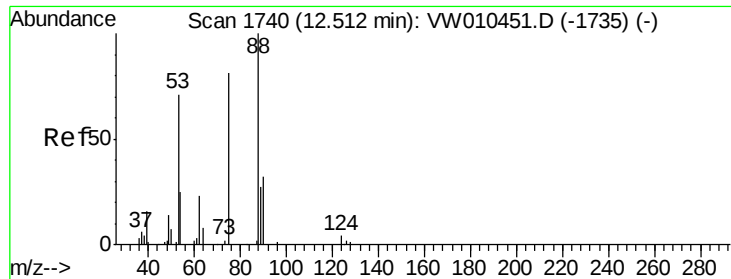
77 0.4 170.0 510.1#



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: 110.618 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010490.D

Acq: 21 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

PURGE-WATER-MUDRE

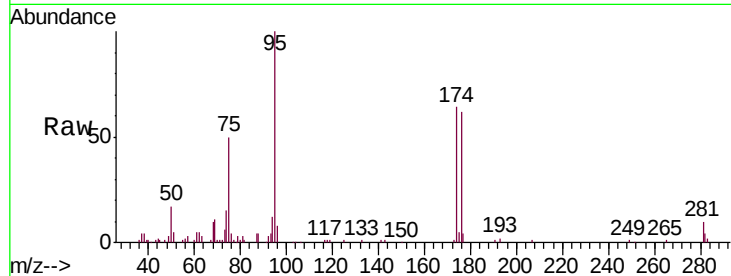
Tgt Ion: 75 Resp: 13411

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

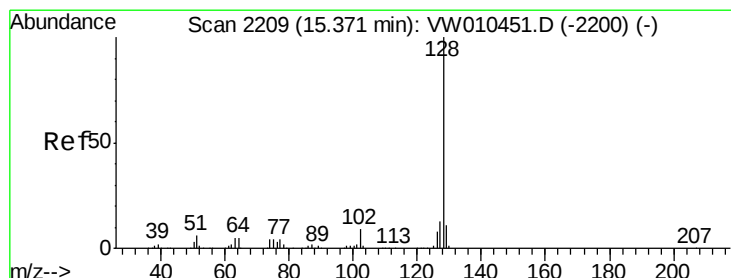
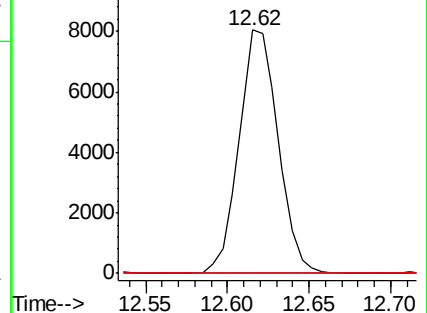
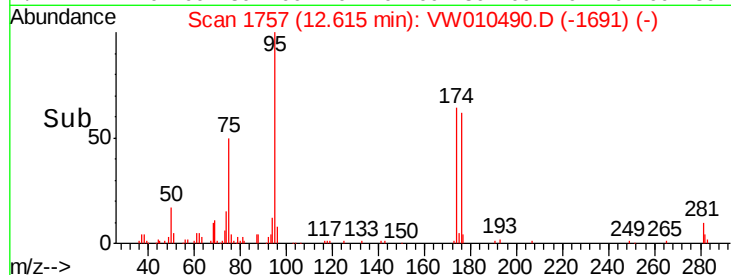
89 0.0 39.5 59.3#



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



#95

Naphthalene

Concen: 1.216 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010490.D

Acq: 21 May 2019 16:26

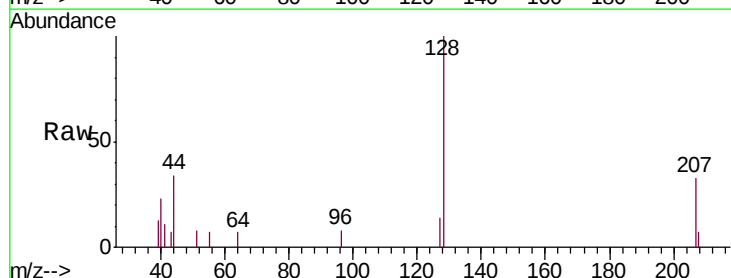
Tgt Ion: 128 Resp: 1374

Ion Ratio Lower Upper

128 100

127 6.1 10.6 15.8#

129 4.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

