

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010535.D
 Acq On : 23 May 2019 17:37
 Operator : SY/VA
 Sample : K2994-14RE
 Misc : 3.78G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

Quant Time: May 24 08:43:19 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

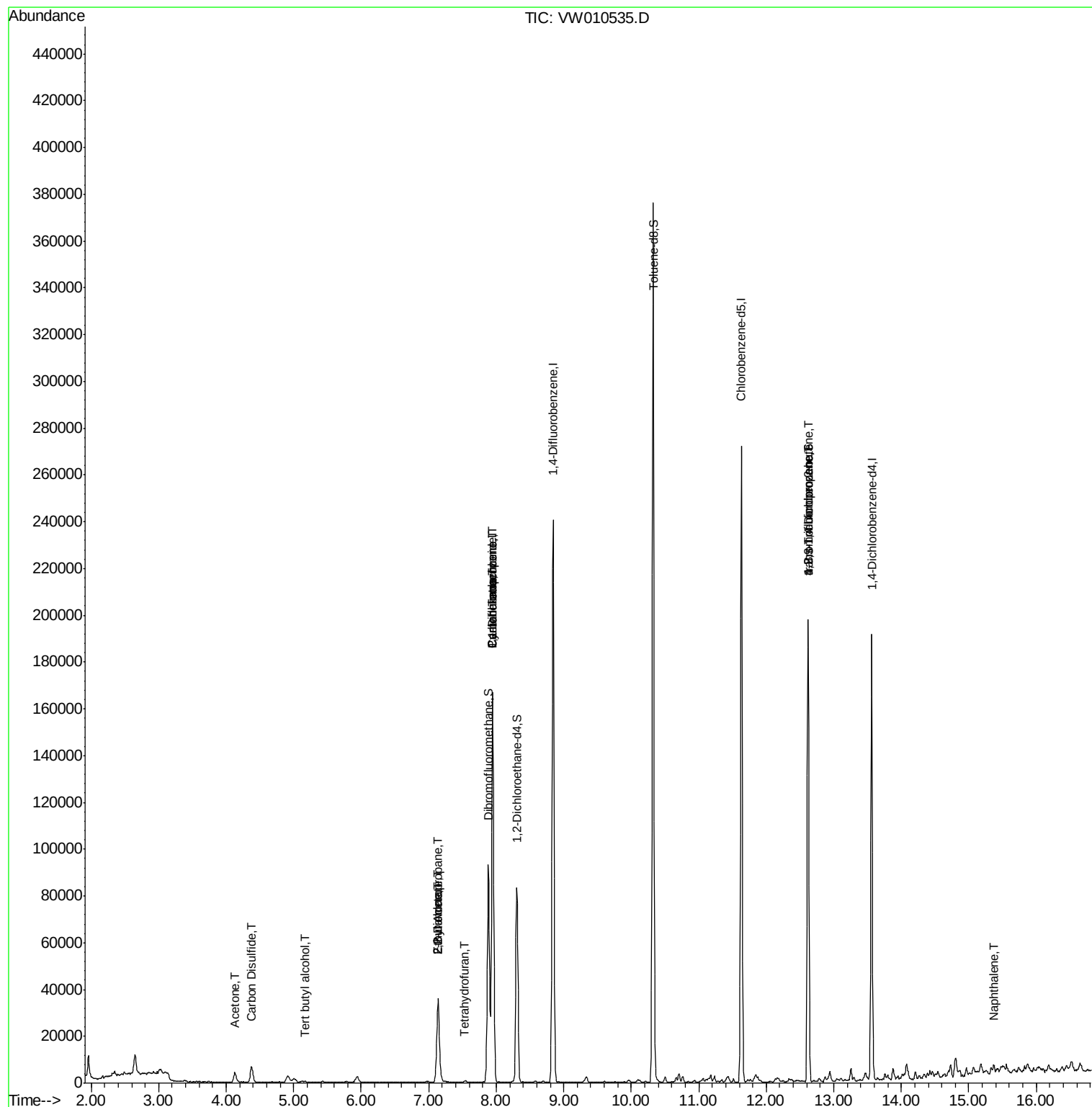
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	215027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49356	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	67787	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
35) Dibromofluoromethane	7.88	113	67774	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
50) Toluene-d8	10.32	98	252193	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.62	95	73206	36.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	401	3.619	ug/l #	71
13) Acrolein	3.89	56	24	Below Cal	#	82
16) Acetone	4.12	43	7485	29.765	ug/l	98
17) Carbon Disulfide	4.37	76	13437	3.573	ug/l	98
20) Methylene Chloride	4.90	84	1235	Below Cal		97
25) 2-Butanone	7.14	43	2479	6.889	ug/l #	71
26) 2,2-Dichloropropane	7.13	77	2624	1.234	ug/l #	52
29) Tetrahydrofuran	7.53	42	451	1.852	ug/l #	86
31) Cyclohexane	7.95	56	2829	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9422	4.704	ug/l #	47
37) Ethyl Acetate	7.14	43	2479	2.910	ug/l #	31
38) Carbon Tetrachloride	7.95	117	12834	5.939	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	34423	68.709	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34423	143.398	ug/l #	14
95) Naphthalene	15.37	128	3664	1.637	ug/l	96

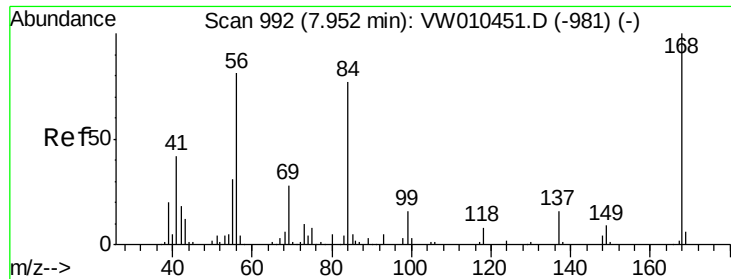
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010535.D
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

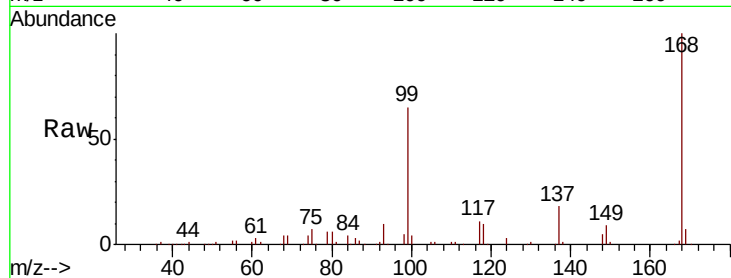
TP-6-S2

Tot Ion:168 Resp: 119355

Ion Ratio Lower Upper

168 100

99 64.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

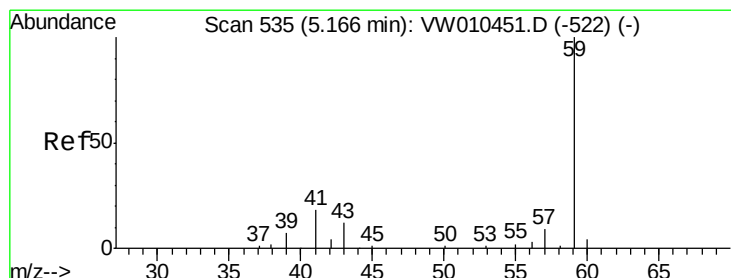
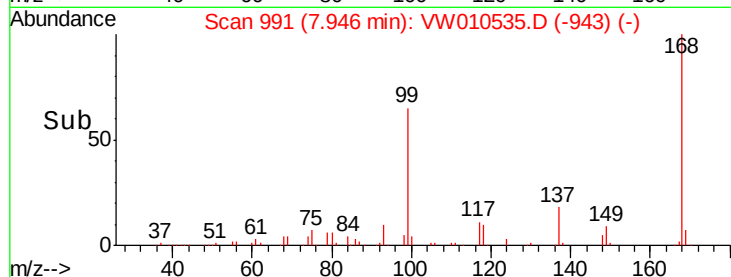
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.619 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010535.D

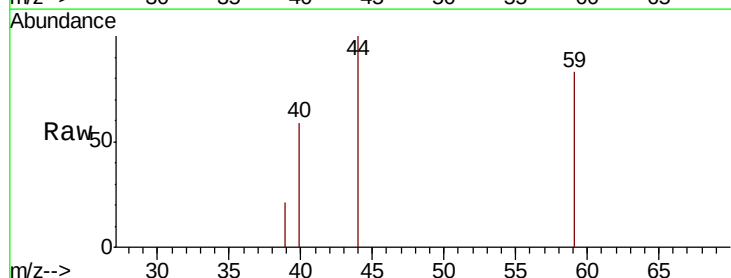
Acq: 23 May 2019 17:37

Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

250

200

150

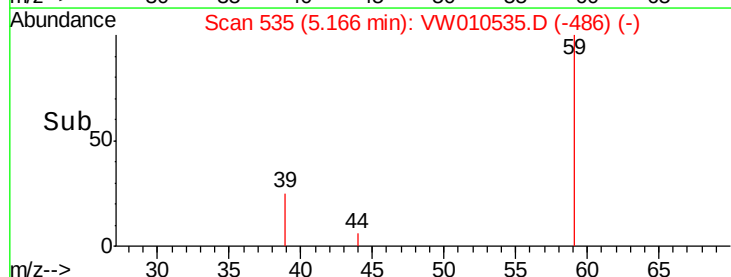
100

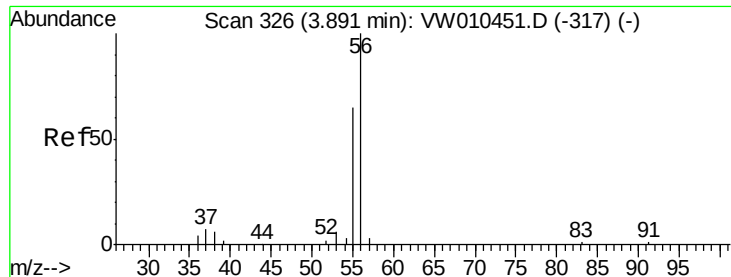
50

0

5.15 5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

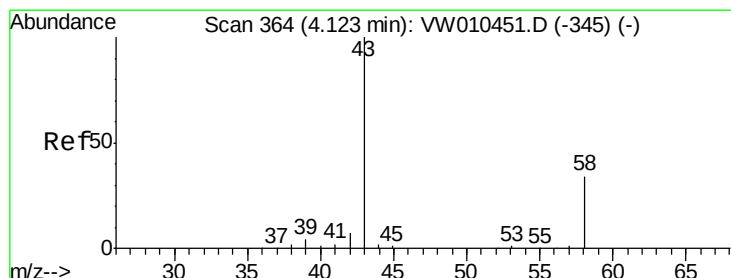
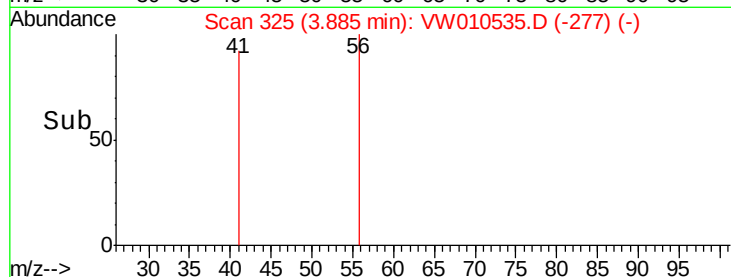
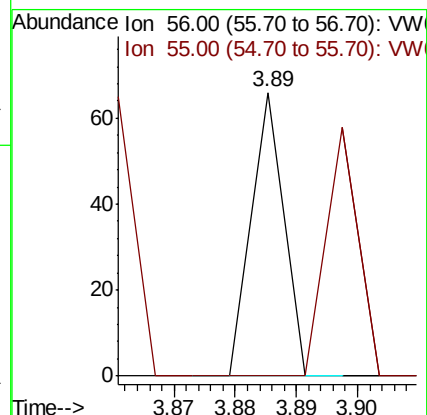
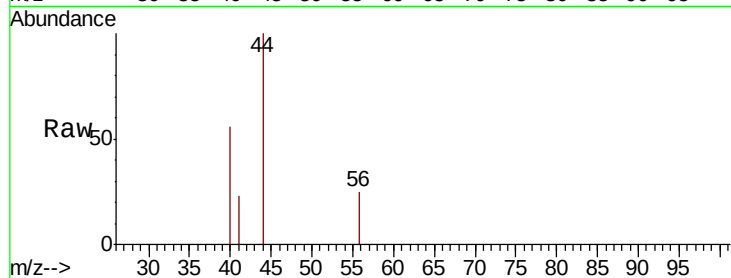
TP-6-S2

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 87.5 57.9 86.9#



#16

Acetone

Concen: 29.765 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010535.D

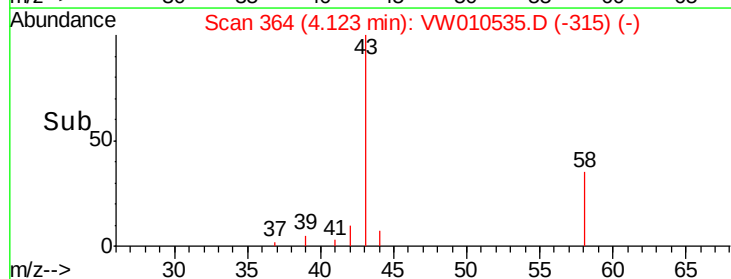
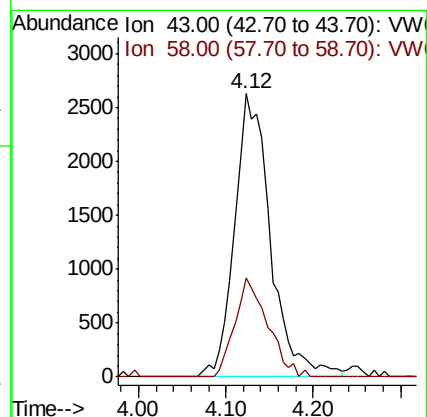
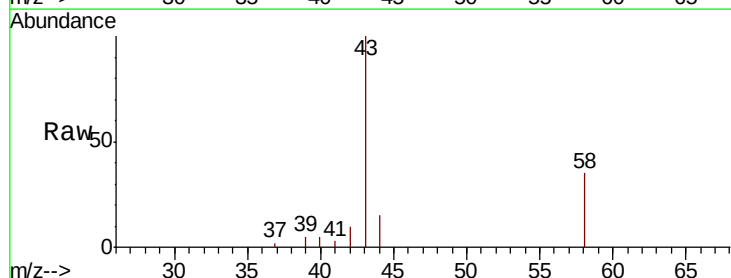
Acq: 23 May 2019 17:37

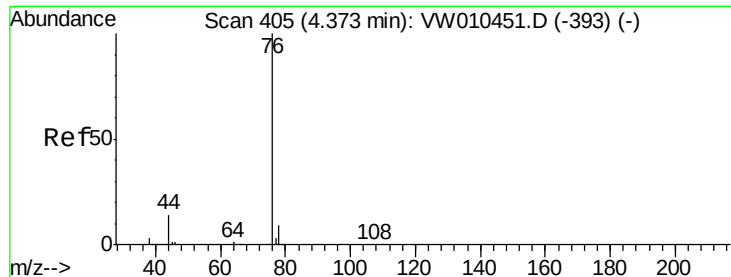
Tgt Ion: 43 Resp: 7485

Ion Ratio Lower Upper

43 100

58 34.9 27.0 40.4





#17

Carbon Disulfide

Concen: 3.573 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampled :

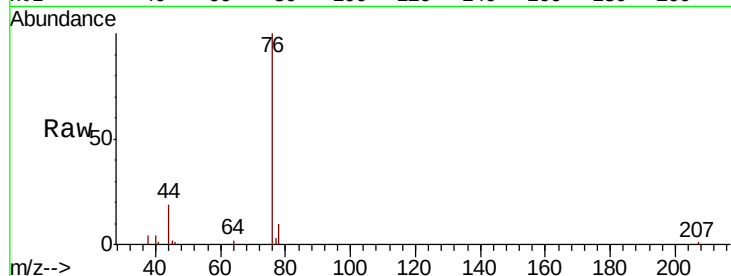
TP-6-S2

Tot Ion: 76 Resp: 13437

Ion Ratio Lower Upper

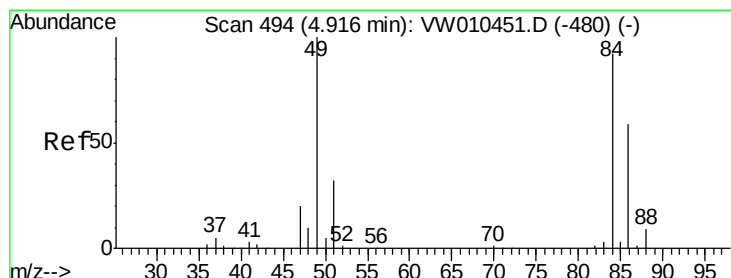
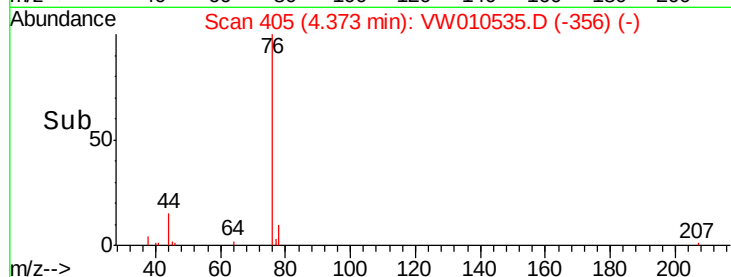
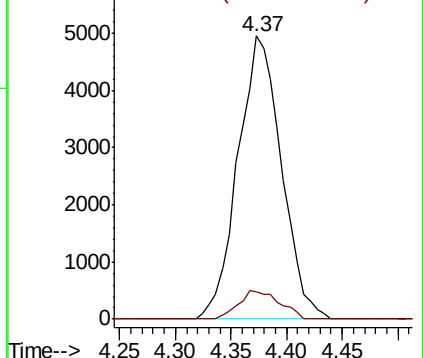
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Tgt Ion: 84 Resp: 1235

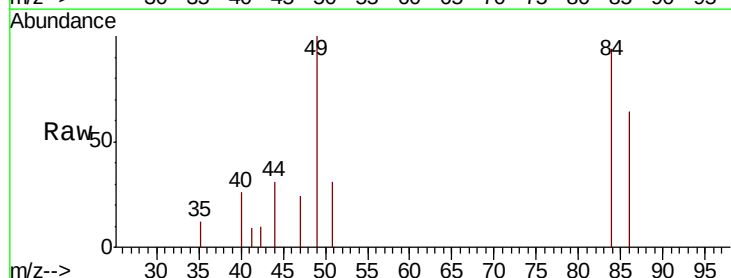
Ion Ratio Lower Upper

84 100

49 106.9 87.2 130.8

51 33.5 27.7 41.5

86 68.8 51.4 77.0

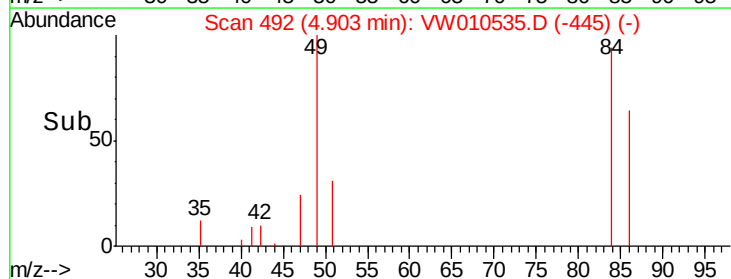
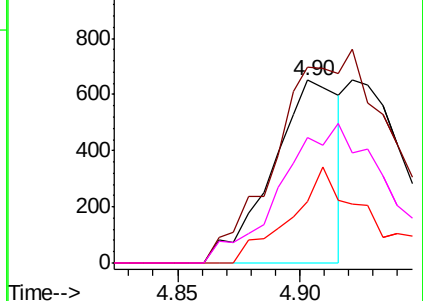


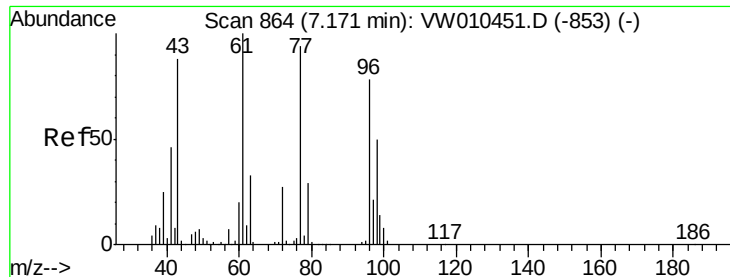
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 6.889 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

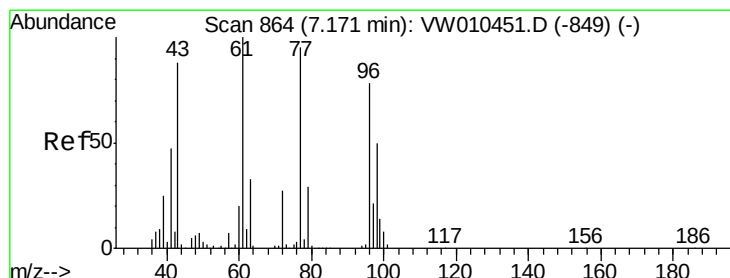
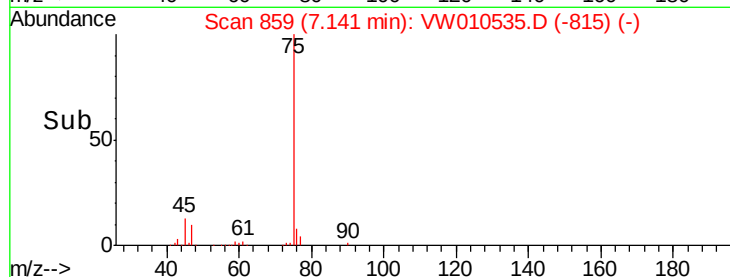
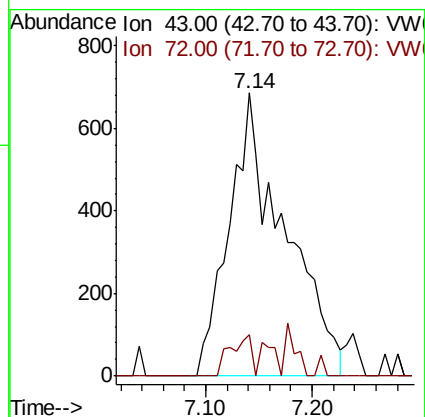
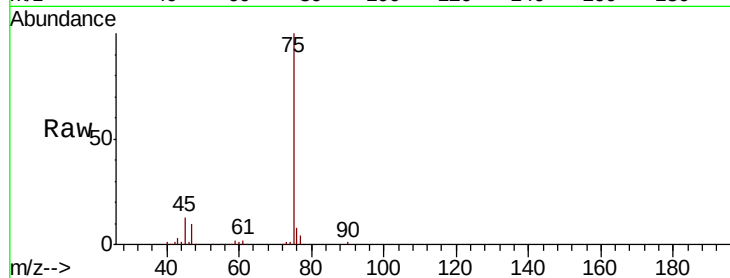
TP-6-S2

Tot Ion: 43 Resp: 2479

Ion Ratio Lower Upper

43 100

72 14.6 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.234 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010535.D

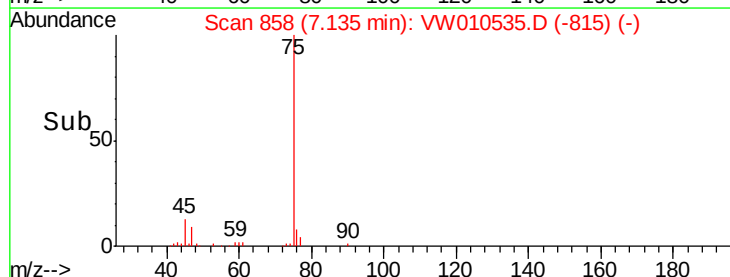
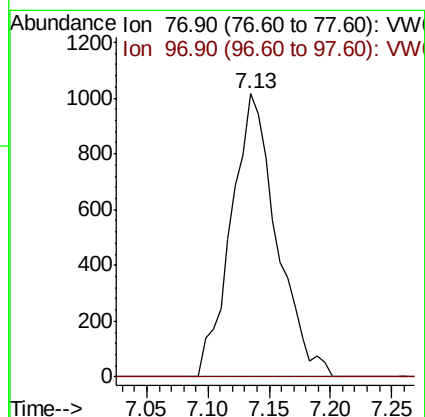
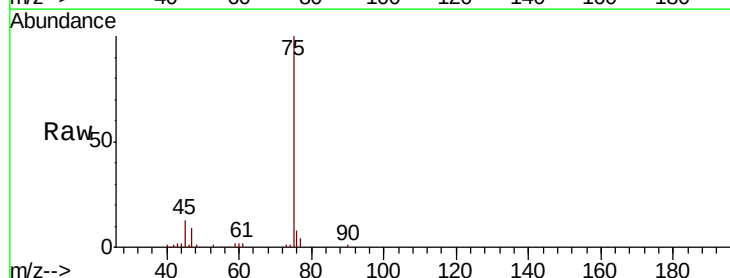
Acq: 23 May 2019 17:37

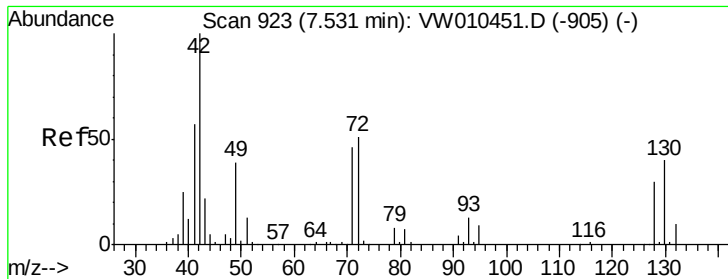
Tgt Ion: 77 Resp: 2624

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

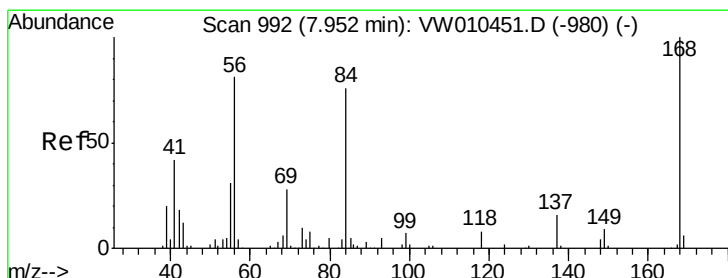
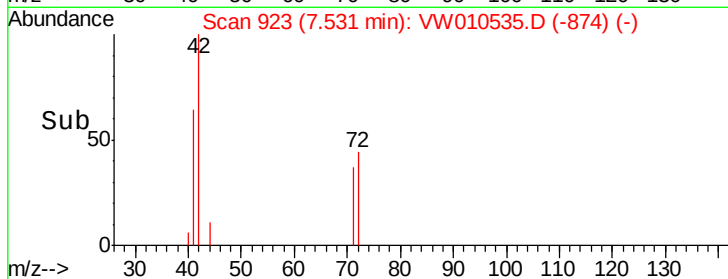
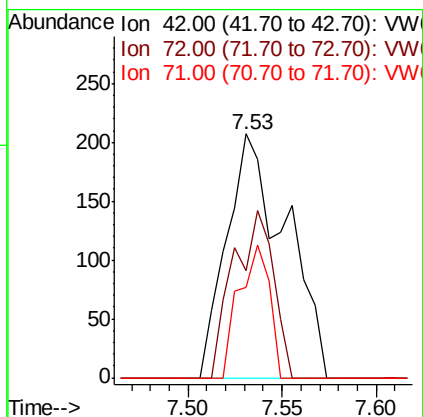
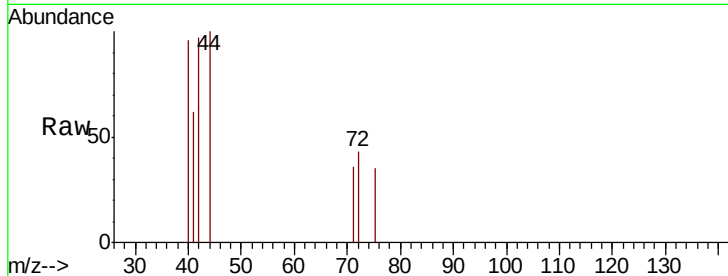




#29
Tetrahydrofuran
Concen: 1.852 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

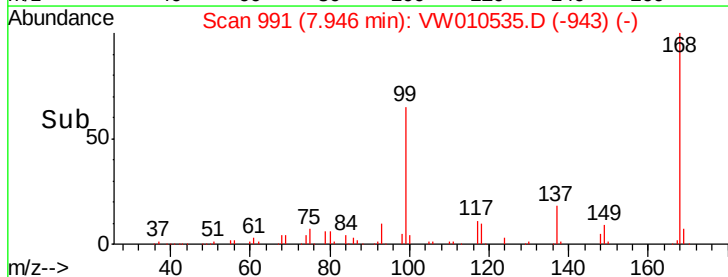
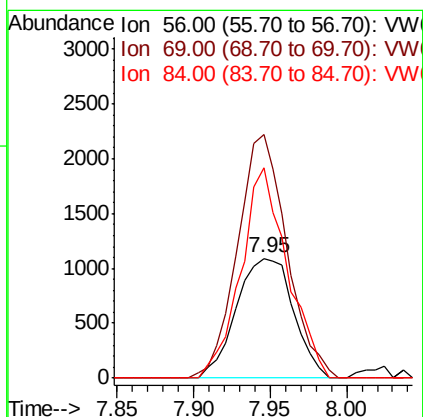
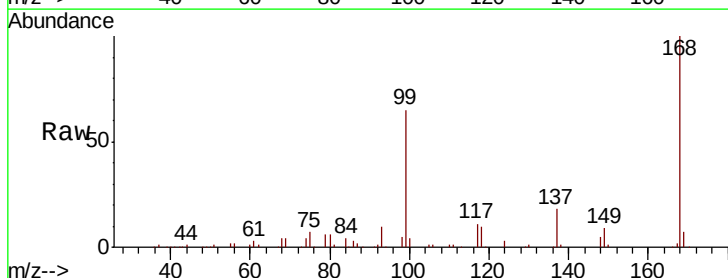
Instrument :
MSVOA_W
ClientSampled :
TP-6-S2

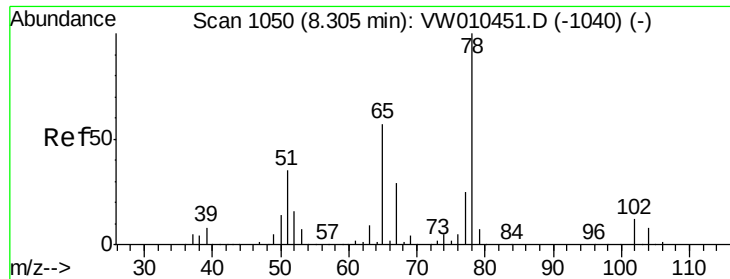
Tot Ion: 42 Resp: 451
Ion Ratio Lower Upper
42 100
72 46.6 38.5 57.7
71 28.2 36.5 54.7#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

Tgt Ion: 56 Resp: 2829
Ion Ratio Lower Upper
56 100
69 203.6 28.2 42.2#
84 175.5 75.8 113.8#

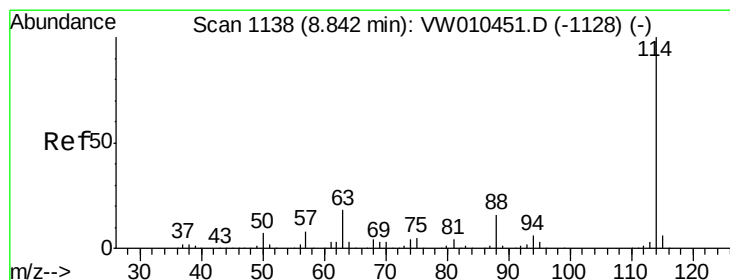
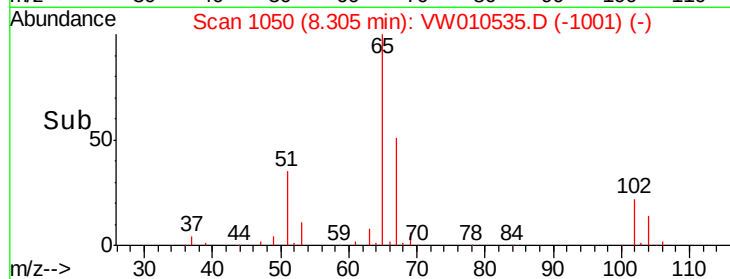
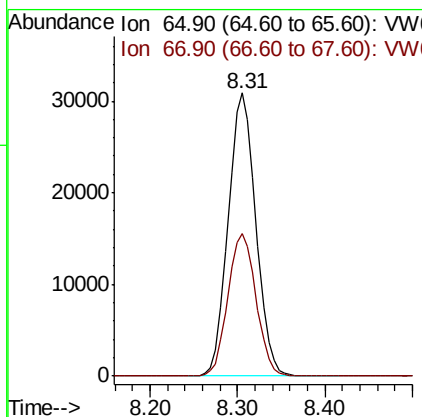
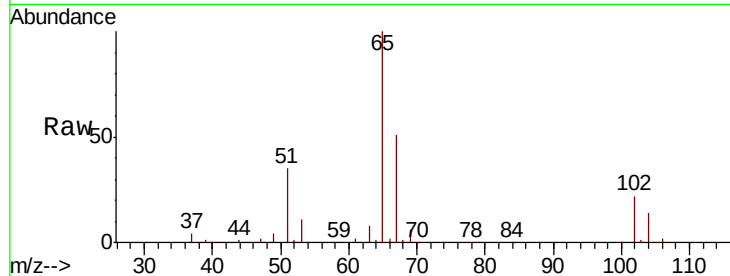




#33
 1,2-Dichloroethane-d4
 Concen: 55.024 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010535.D
 Acq: 23 May 2019 17:37

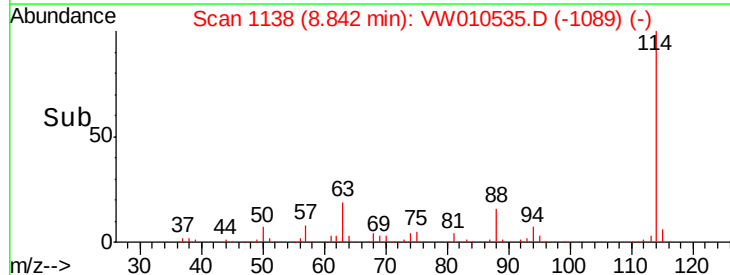
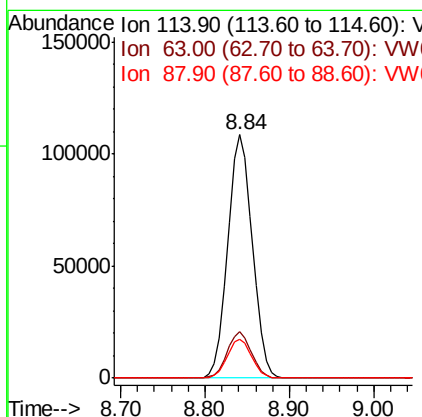
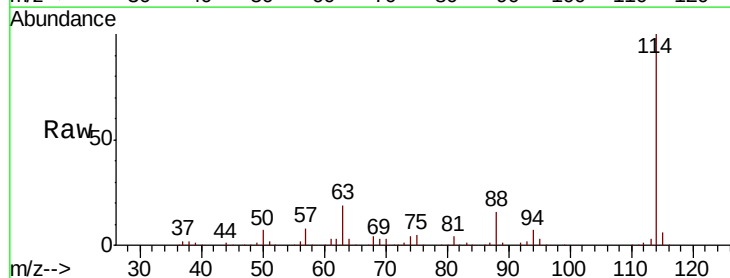
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

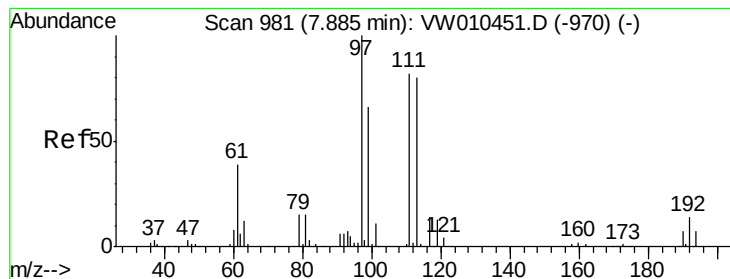
Tot Ion: 65 Resp: 67787
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010535.D
 Acq: 23 May 2019 17:37

Tgt Ion: 114 Resp: 215027
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.944 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

TP-6-S2

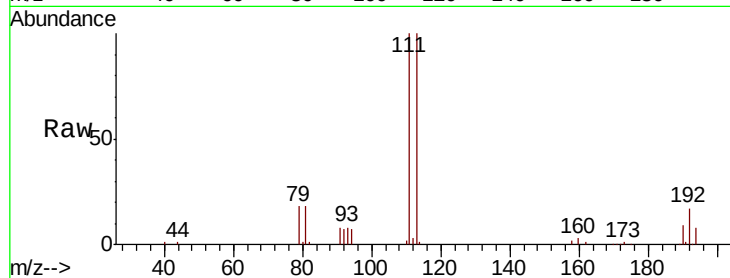
Tot Ion:113 Resp: 67774

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

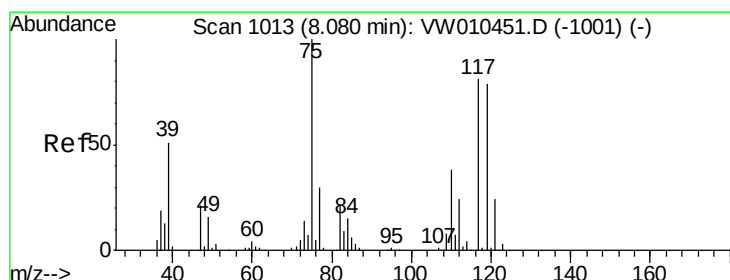
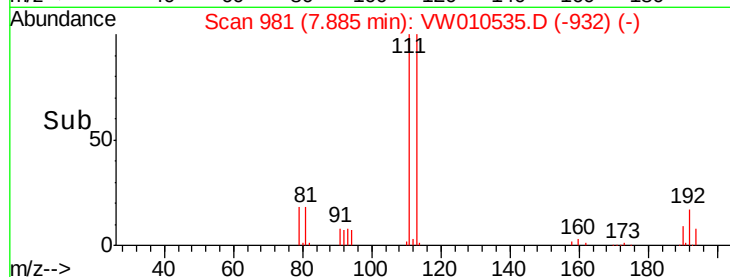
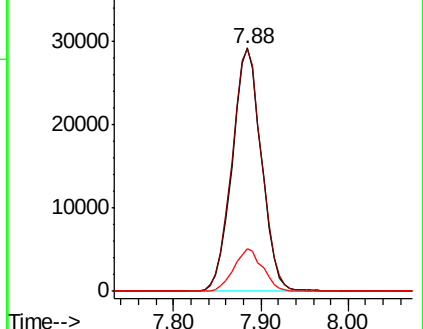
192 17.0 14.3 21.5



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: 4.704 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

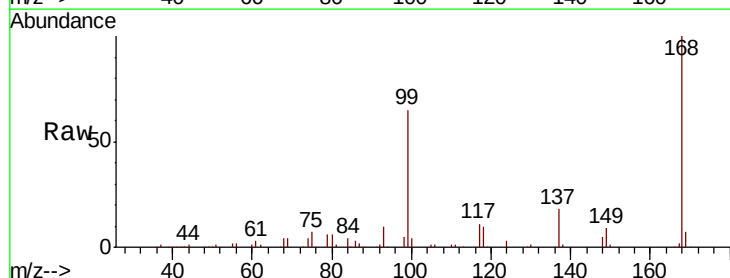
Tgt Ion: 75 Resp: 9422

Ion Ratio Lower Upper

75 100

110 8.4 19.2 57.6#

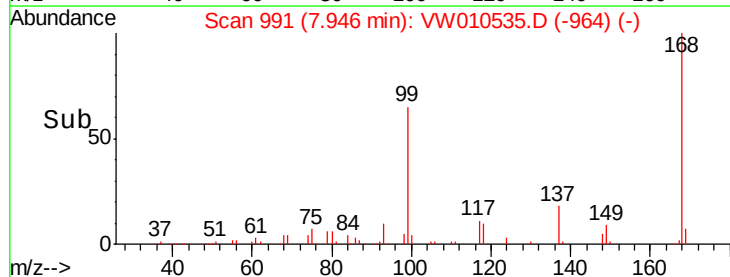
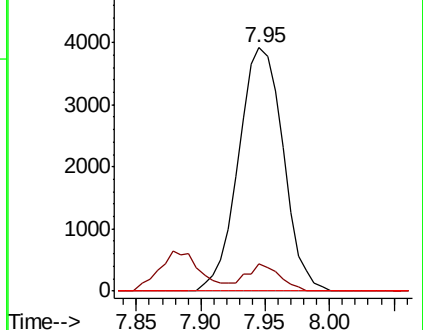
77 0.0 25.2 37.8#

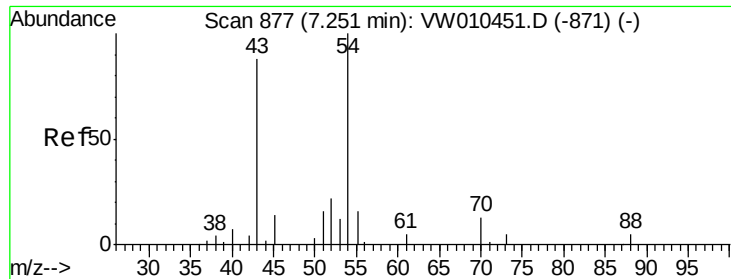


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

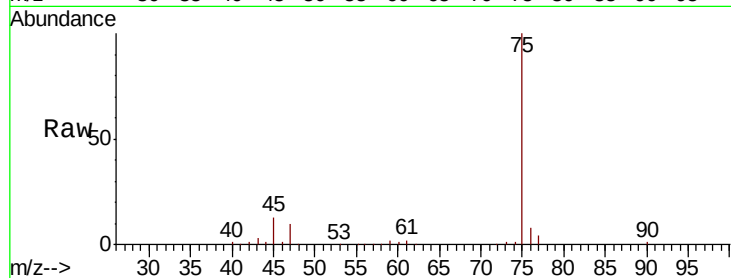




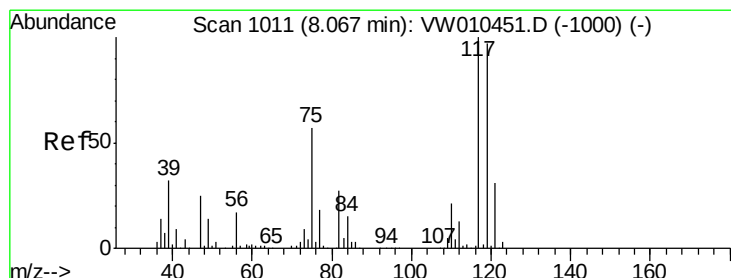
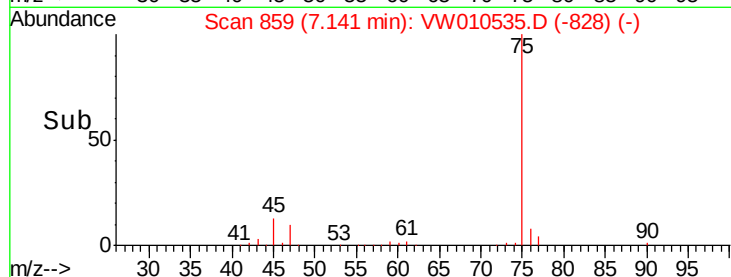
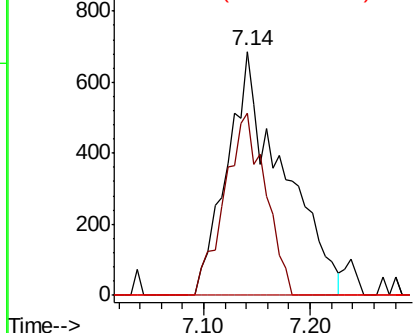
#37
Ethyl Acetate
Concen: 2.910 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

Instrument :
MSVOA_W
ClientSampled :
TP-6-S2

Tot Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
61 55.5 11.2 16.8#
70 0.0 9.9 14.9#

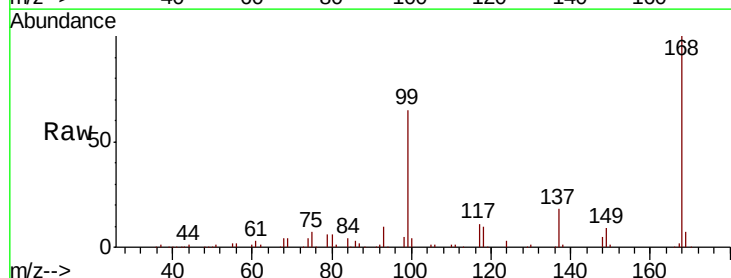


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

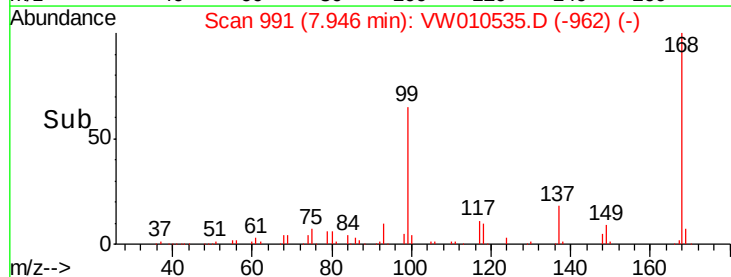
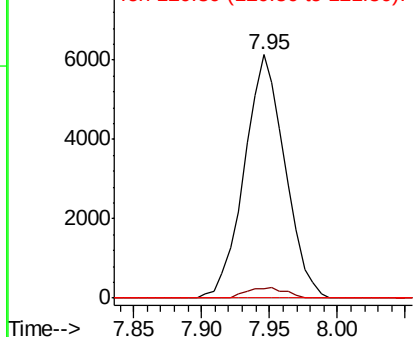


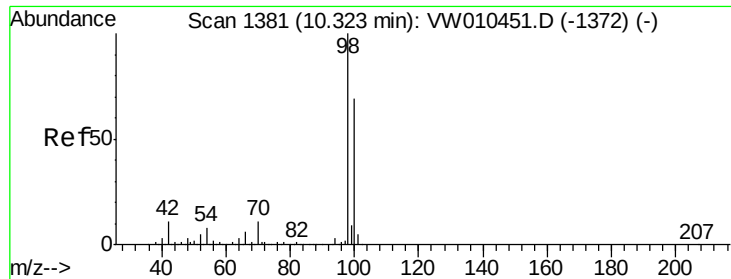
#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

Tgt Ion: 117 Resp: 12834
Ion Ratio Lower Upper
117 100
119 3.8 77.4 116.0#
121 0.0 25.0 37.6#



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: 50.596 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

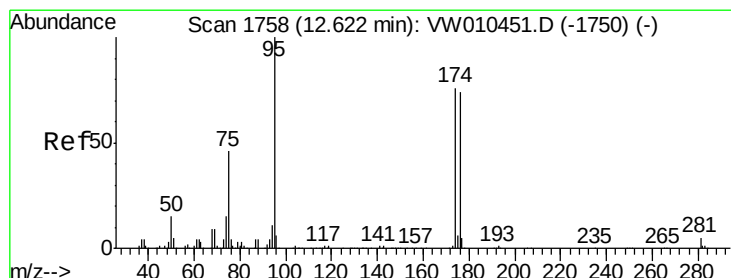
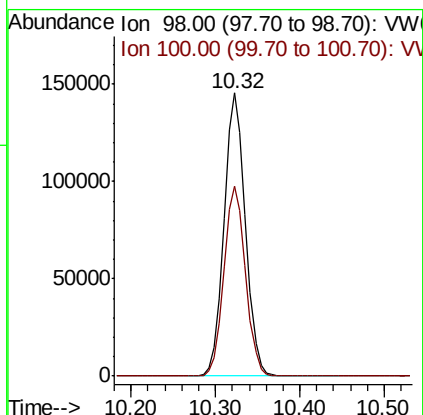
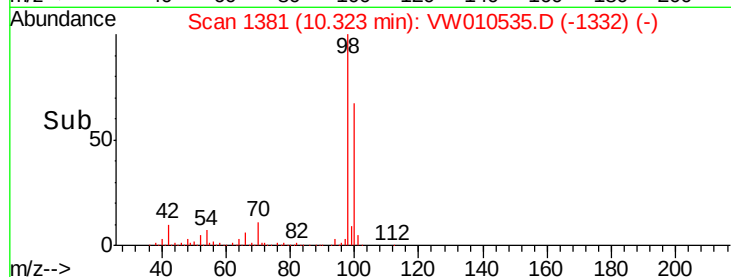
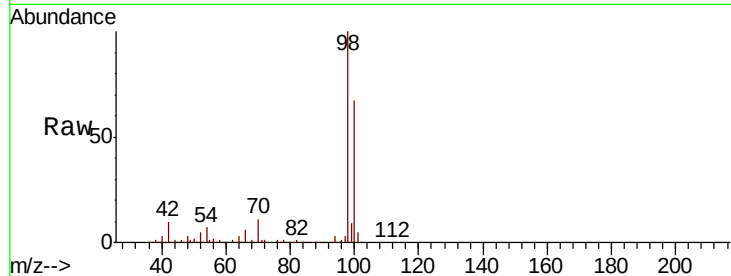
TP-6-S2

Tot Ion: 98 Resp: 252193

Ion Ratio Lower Upper

98 100

100 67.9 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 36.873 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

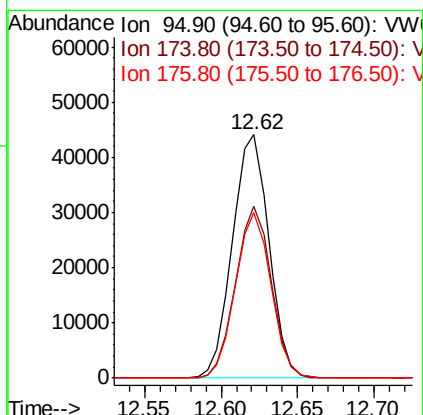
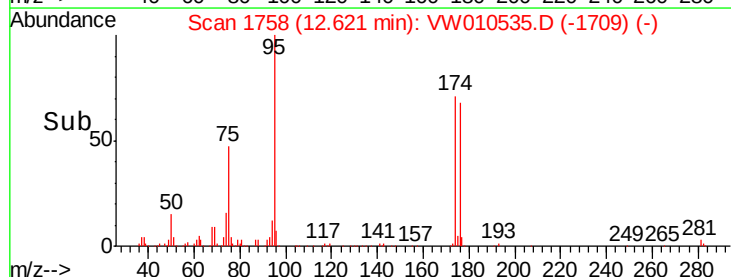
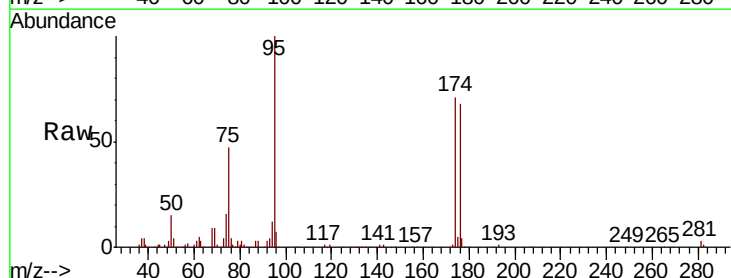
Tgt Ion: 95 Resp: 73206

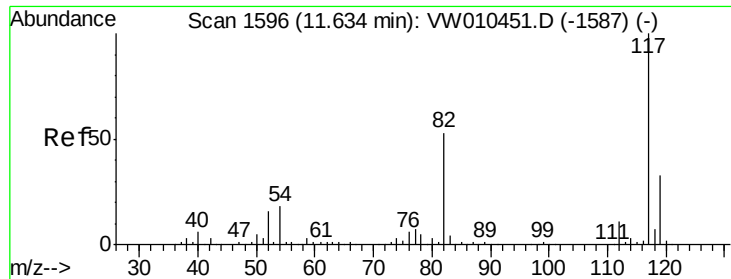
Ion Ratio Lower Upper

95 100

174 68.5 0.0 148.6

176 66.1 0.0 144.2

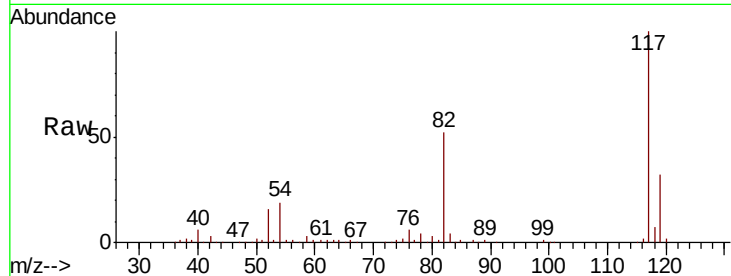




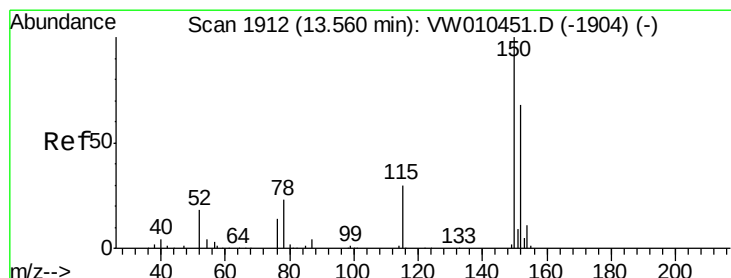
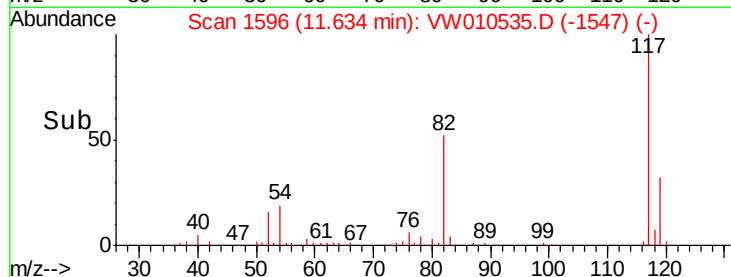
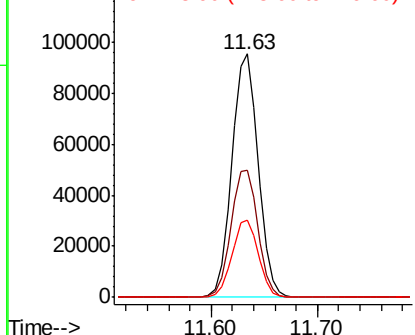
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

Instrument :
MSVOA_W
ClientSampleId :
TP-6-S2

Tot Ion:117 Resp: 165293
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.9 26.3 39.5

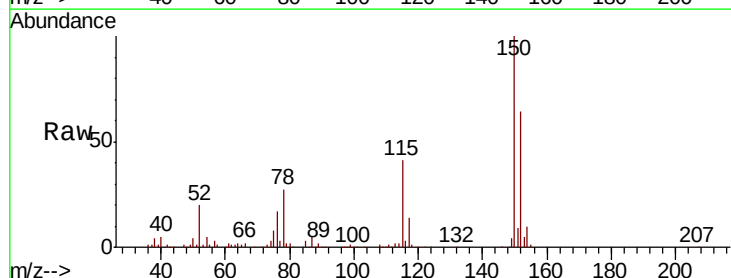


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

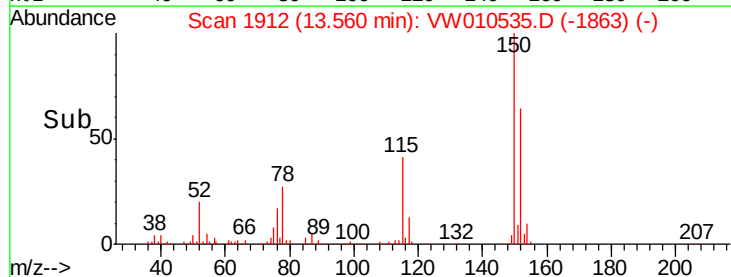
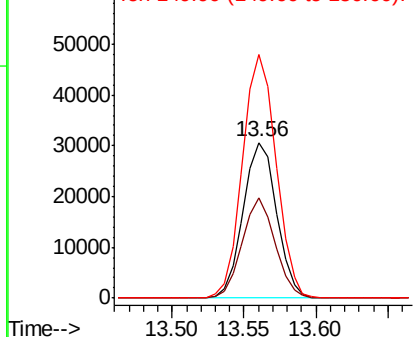


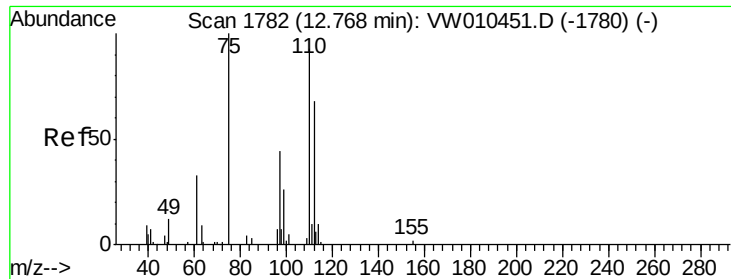
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010535.D
Acq: 23 May 2019 17:37

Tgt Ion:152 Resp: 49356
Ion Ratio Lower Upper
152 100
115 63.3 30.3 91.0
150 157.0 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

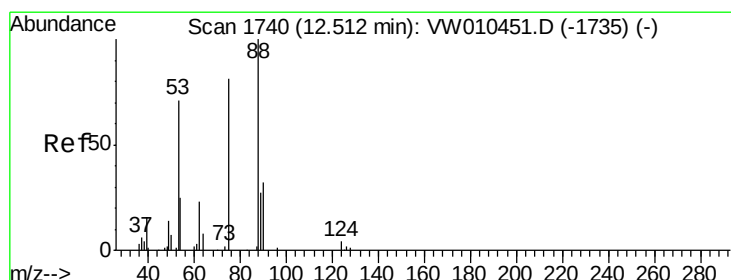
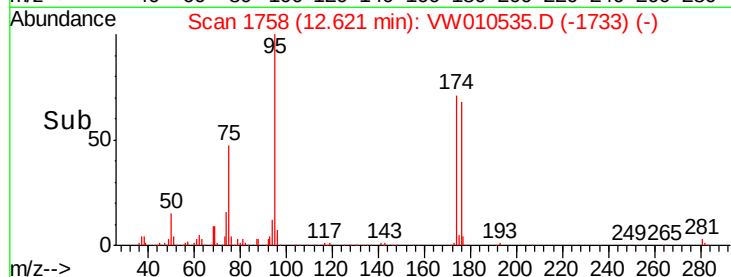
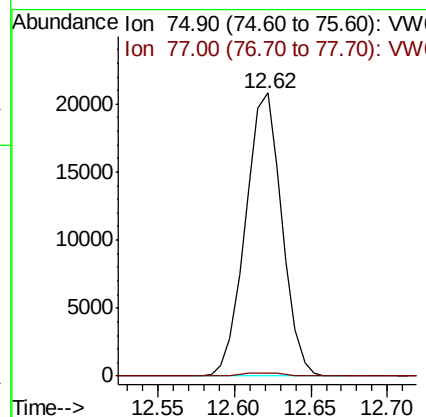
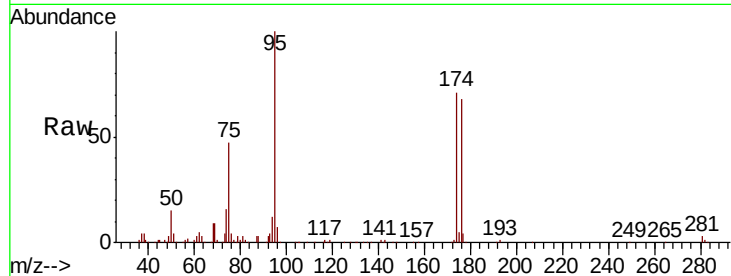




#76
 1,2,3-Trichloropropane
 Concen: 68.709 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010535.D
 Acq: 23 May 2019 17:37

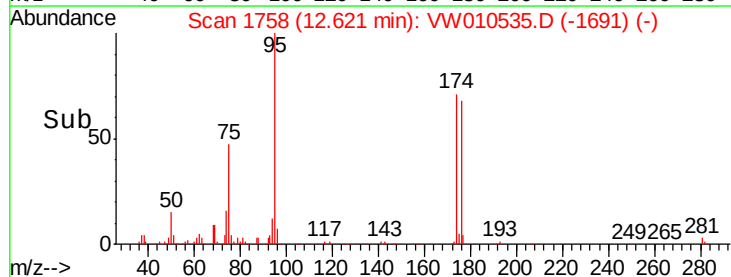
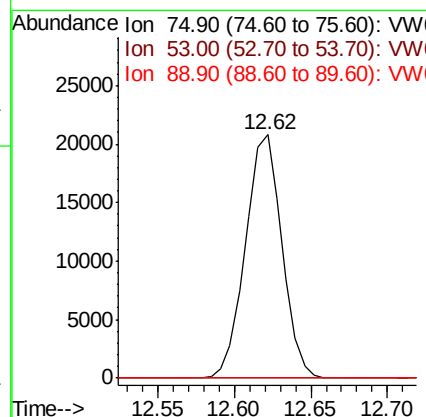
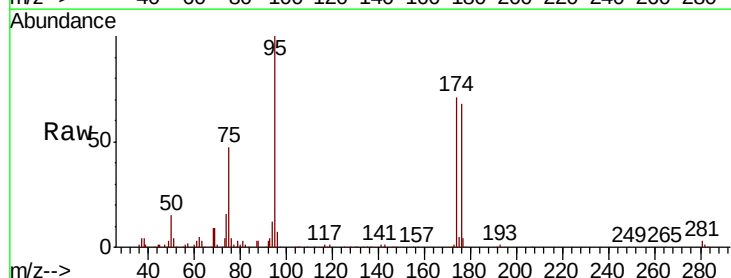
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

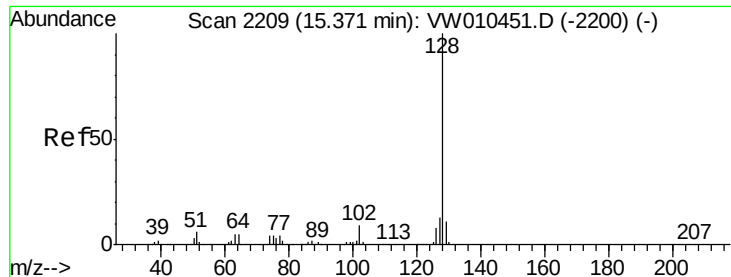
Tot Ion: 75 Resp: 34423
 Ion Ratio Lower Upper
 75 100
 77 1.3 170.0 510.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.398 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010535.D
 Acq: 23 May 2019 17:37

Tgt Ion: 75 Resp: 34423
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 1.637 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010535.D

Acq: 23 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

TP-6-S2

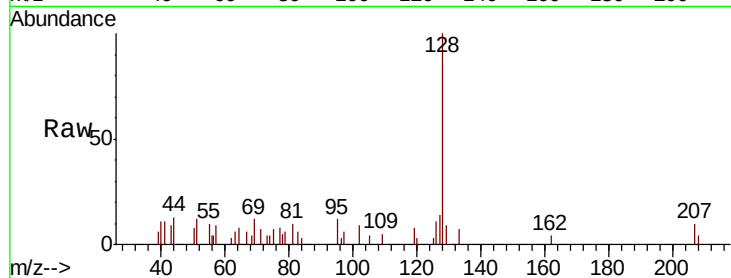
Tot Ion:128 Resp: 3664

Ion Ratio Lower Upper

128 100

127 15.2 10.6 15.8

129 12.1 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

