

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010520.D
 Acq On : 22 May 2019 19:40
 Operator : SY/VA
 Sample : K2994-14
 Misc : 3.03G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

Quant Time: May 23 06:59:59 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	113133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	206927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49239	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	65306	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
35) Dibromofluoromethane	7.88	113	63115	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.32	98	243088	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.62	95	72278	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	

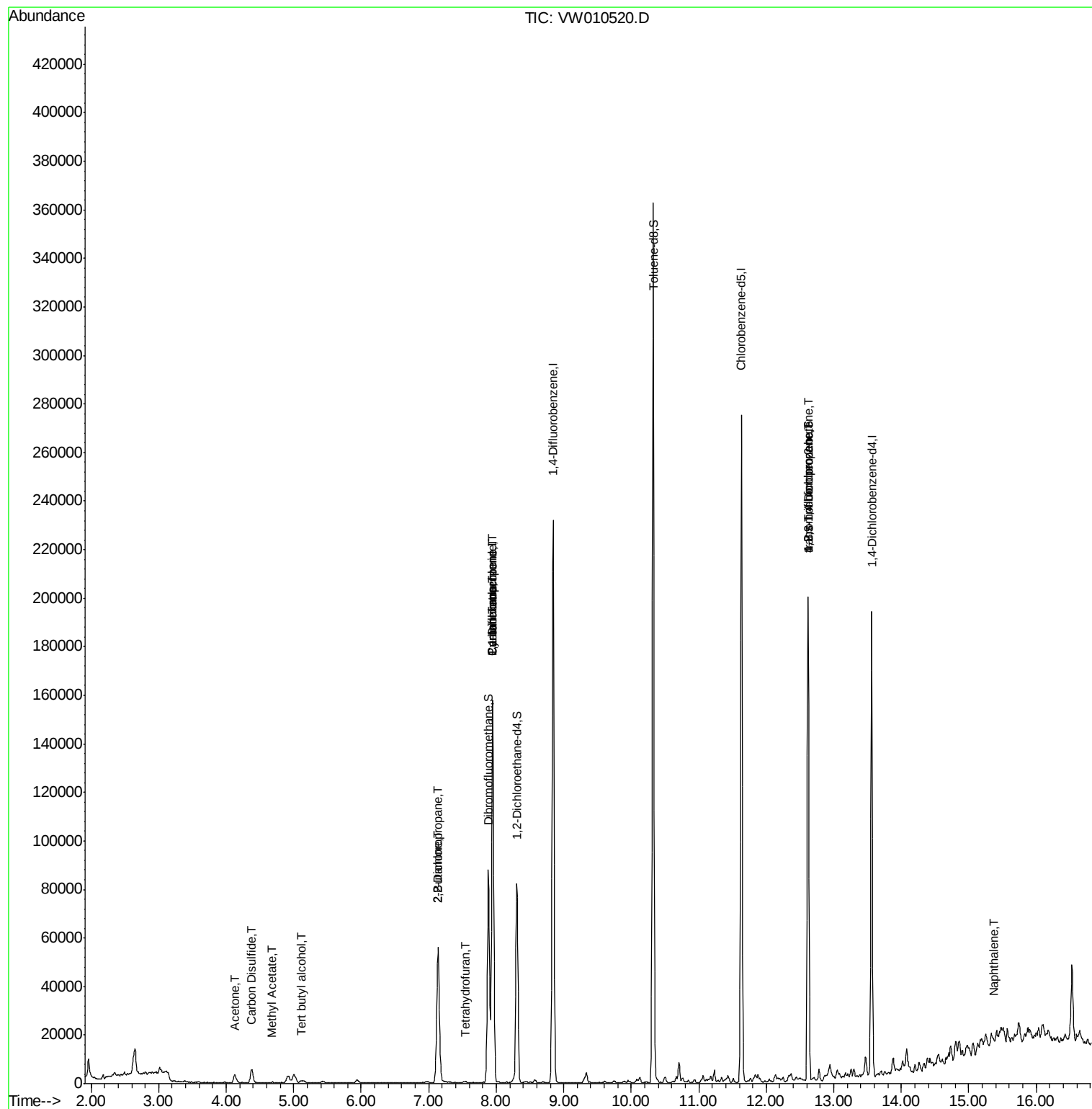
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1363	12.977	ug/l #	76
13) Acrolein	3.98	56	21	Below Cal	#	13
16) Acetone	4.13	43	6190	25.969	ug/l	90
17) Carbon Disulfide	4.38	76	11403	3.199	ug/l #	95
18) Methyl Acetate	4.68	43	591	1.014	ug/l #	48
20) Methylene Chloride	4.91	84	2243	Below Cal	#	86
25) 2-Butanone	7.14	43	3262	9.563	ug/l #	67
26) 2,2-Dichloropropane	7.13	77	4037	2.002	ug/l #	52
29) Tetrahydrofuran	7.54	42	462	2.002	ug/l #	63
31) Cyclohexane	7.95	56	2976	1.342	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	9200	4.773	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12079	5.809	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	34961	69.949	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34961	145.985	ug/l #	14
95) Naphthalene	15.38	128	2639	1.182	ug/l #	78

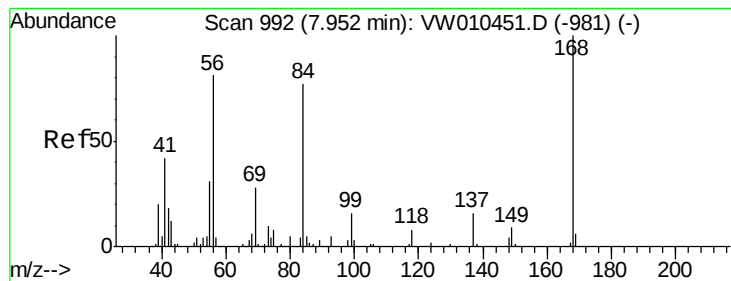
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

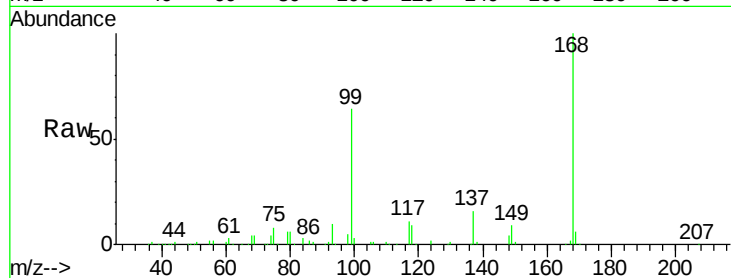
TP-6-S2

Tot Ion:168 Resp: 113133

Ion Ratio Lower Upper

168 100

99 63.6 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

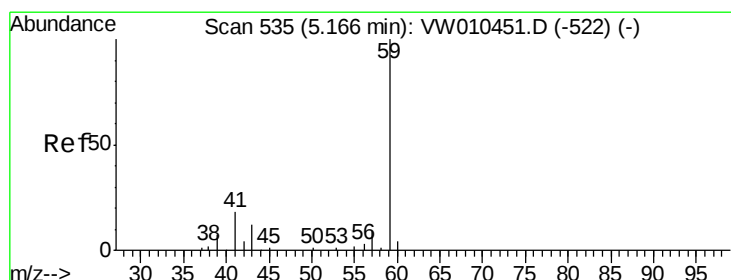
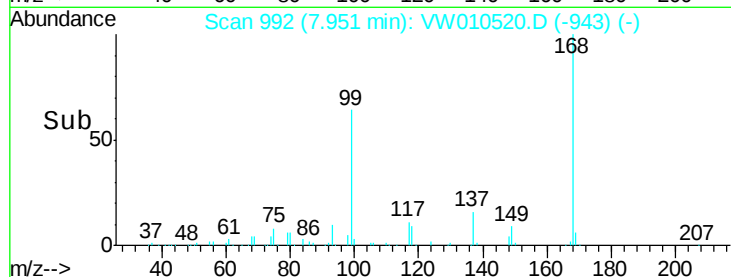
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 12.977 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW010520.D

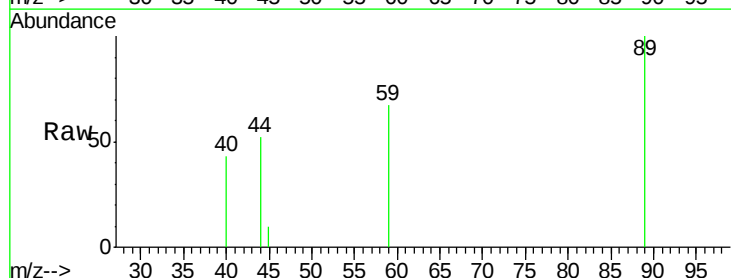
Acq: 22 May 2019 19:40

Tgt Ion: 59 Resp: 1363

Ion Ratio Lower Upper

59 100

57 1.8 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

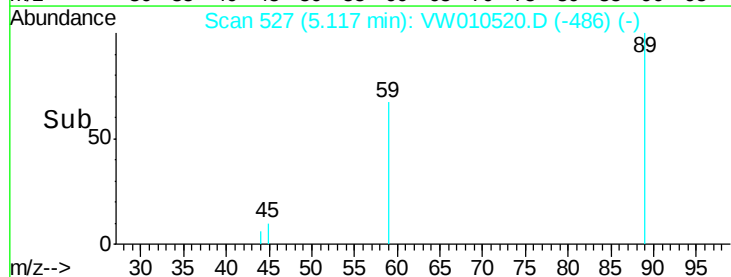
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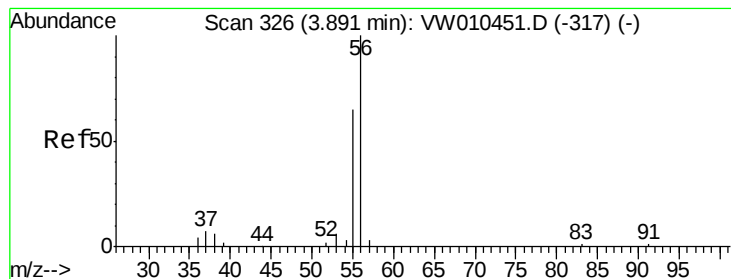
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.98 min Scan# 340

Delta R.T. 0.09 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

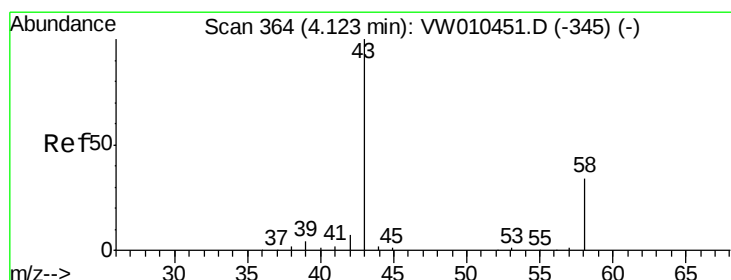
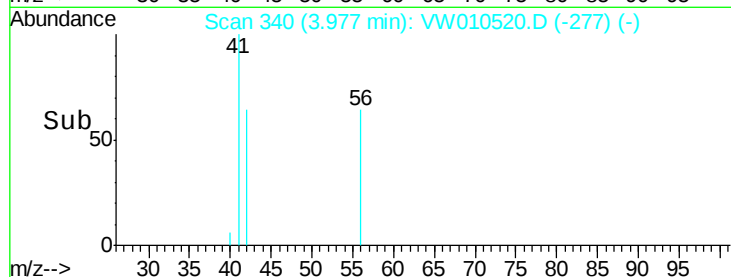
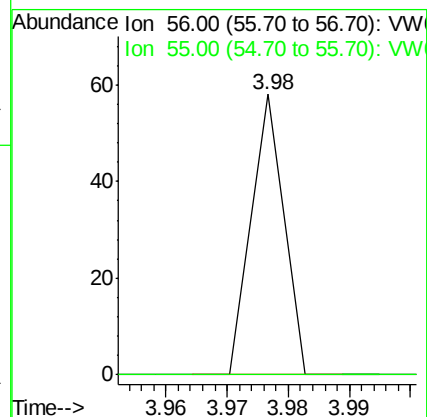
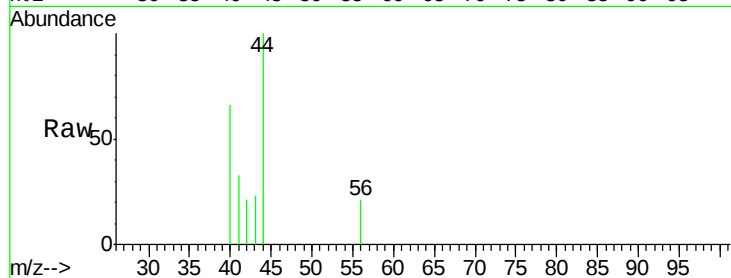
TP-6-S2

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 25.969 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010520.D

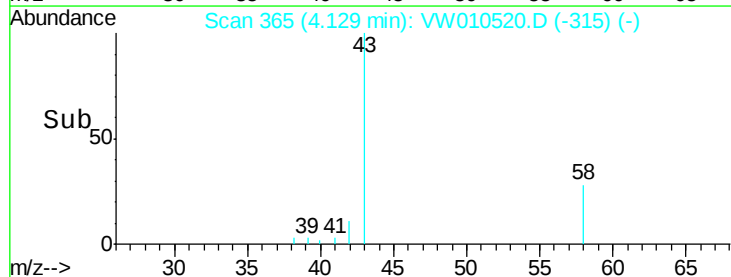
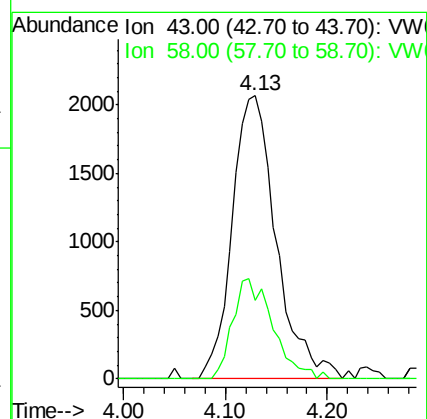
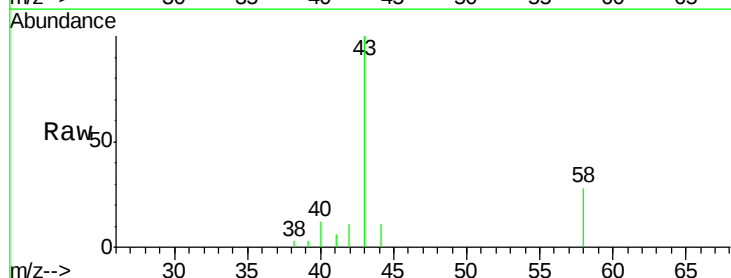
Acq: 22 May 2019 19:40

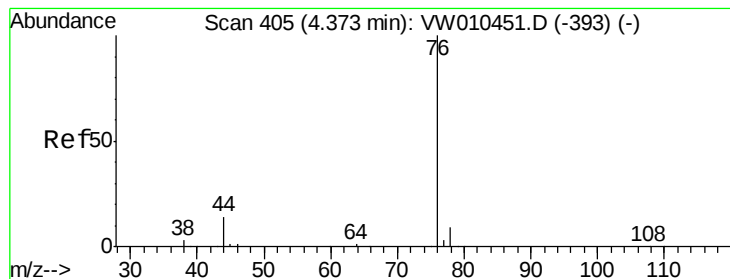
Tgt Ion: 43 Resp: 6190

Ion Ratio Lower Upper

43 100

58 27.8 27.0 40.4





#17

Carbon Disulfide

Concen: 3.199 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampled :

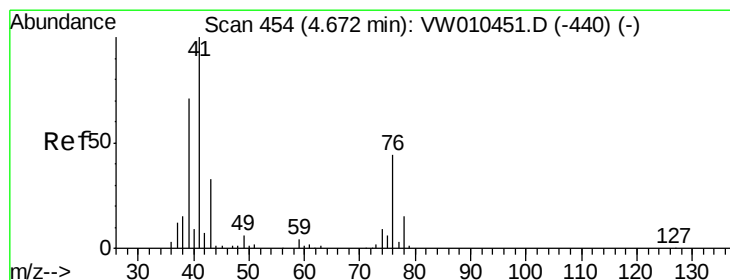
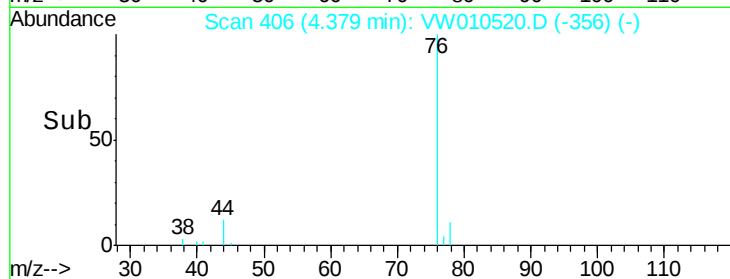
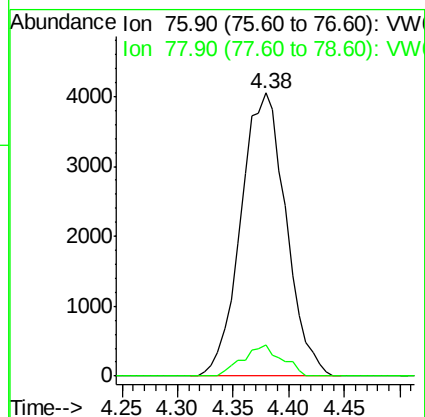
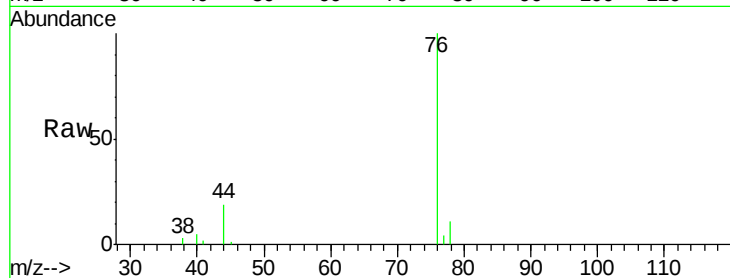
TP-6-S2

Tot Ion: 76 Resp: 11403

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



#18

Methyl Acetate

Concen: 1.014 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010520.D

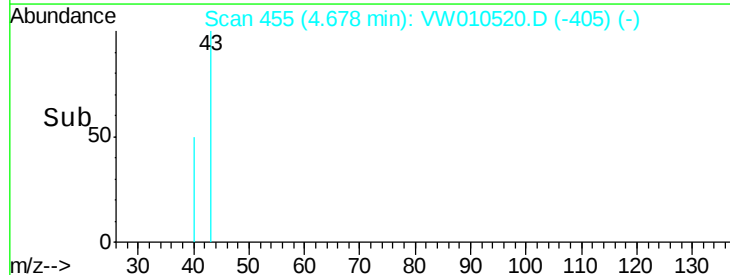
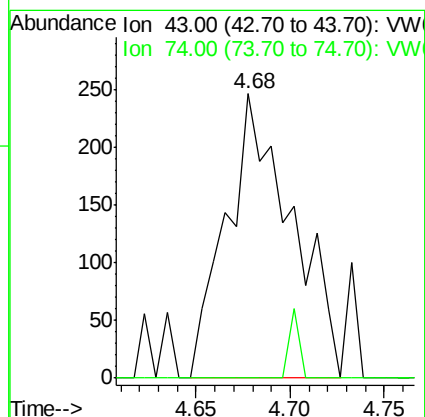
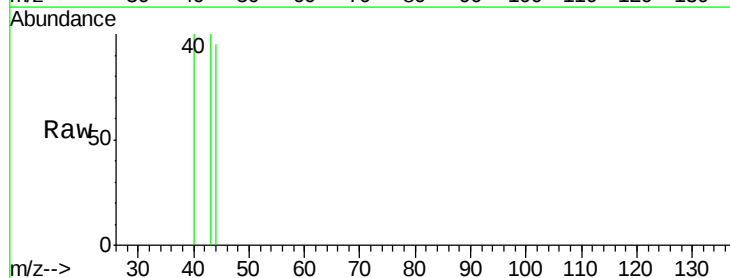
Acq: 22 May 2019 19:40

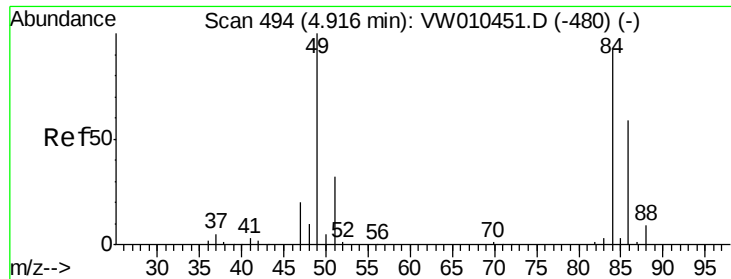
Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#

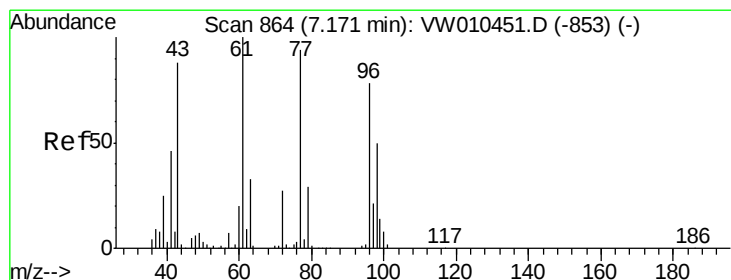
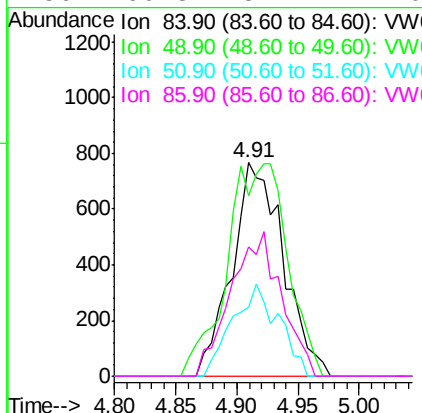
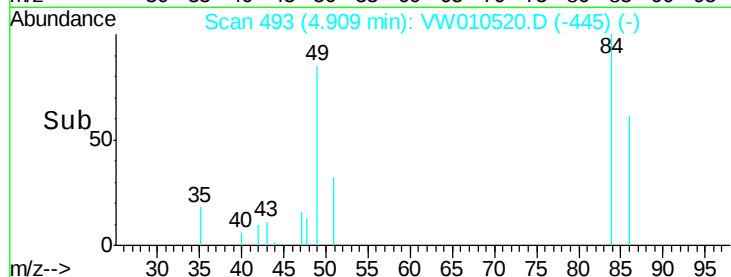
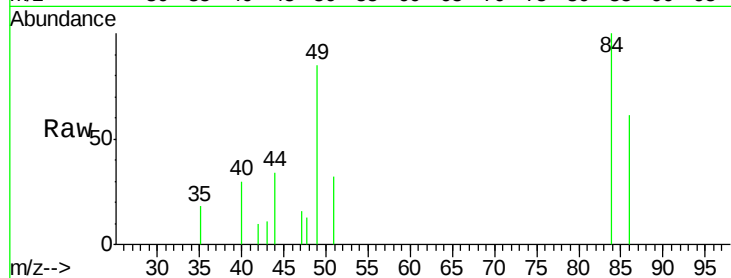




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

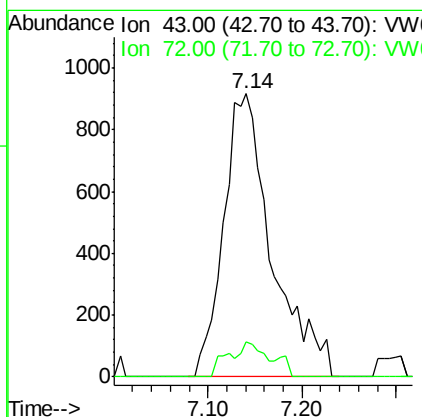
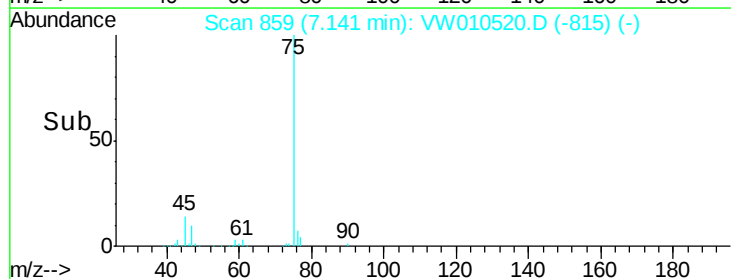
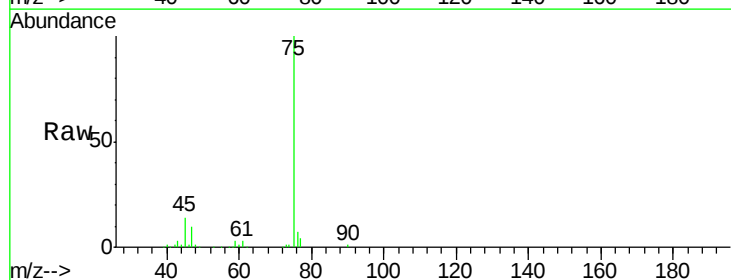
Instrument :
MSVOA_W
ClientSampleId :
TP-6-S2

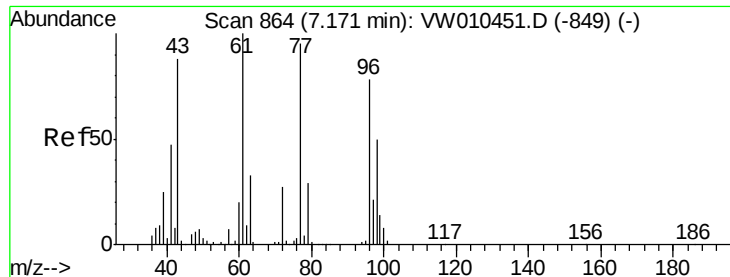
Tot Ion: 84 Resp: 2243
Ion Ratio Lower Upper
84 100
49 84.7 87.2 130.8#
51 32.5 27.7 41.5
86 60.8 51.4 77.0



#25
2-Butanone
Concen: 9.563 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Tgt Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
72 12.3 24.1 36.1#

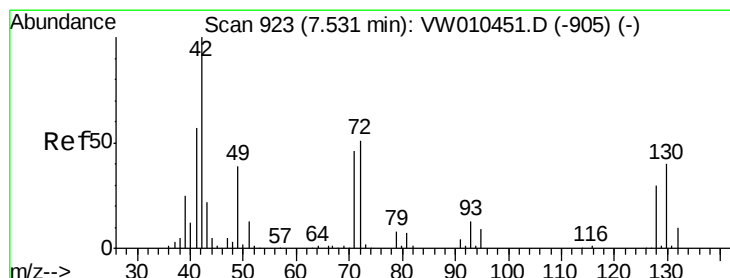
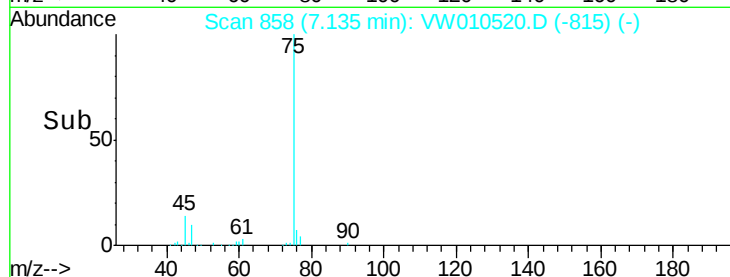
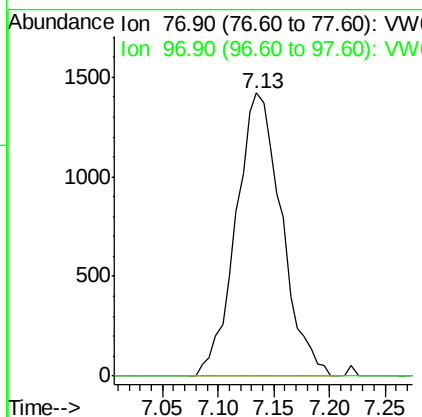
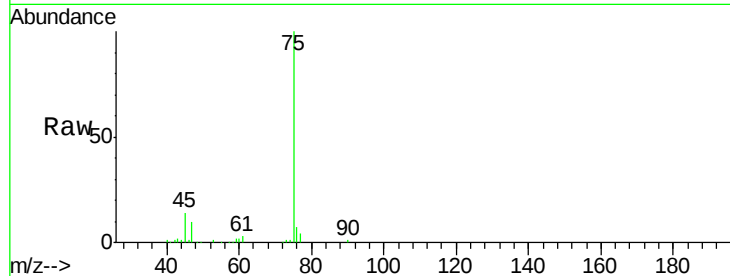




#26
 2,2-Dichloropropane
 Concen: 2.002 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.04 min
 Lab File: VW010520.D
 Acq: 22 May 2019 19:40

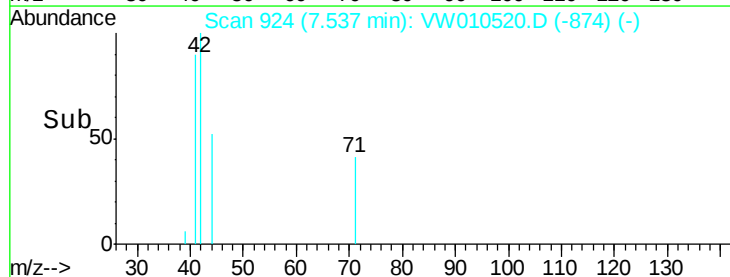
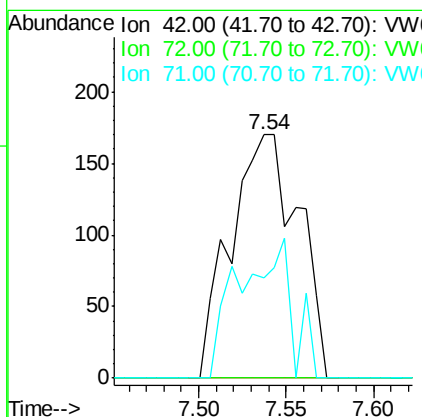
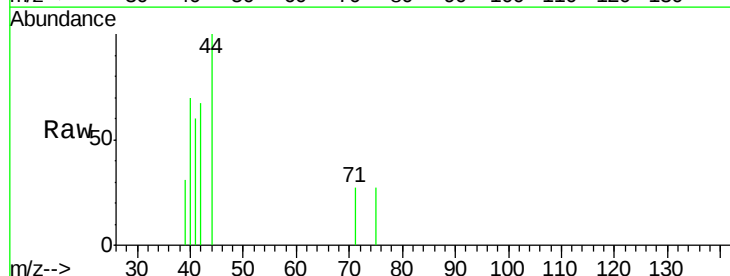
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

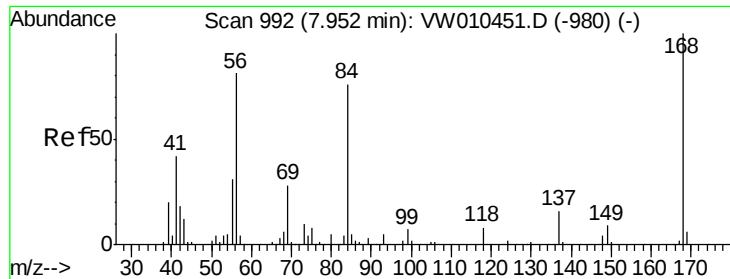
Tot Ion: 77 Resp: 4037
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 2.002 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW010520.D
 Acq: 22 May 2019 19:40

Tgt Ion: 42 Resp: 462
 Ion Ratio Lower Upper
 42 100
 72 0.0 38.5 57.7#
 71 44.6 36.5 54.7

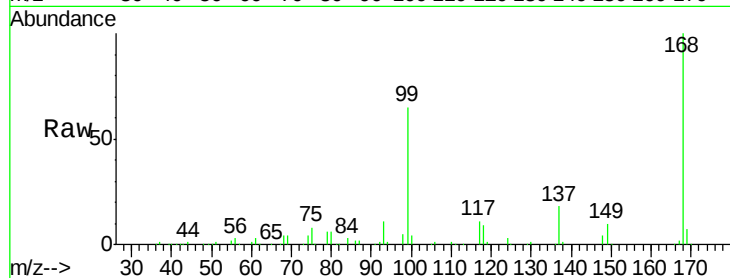




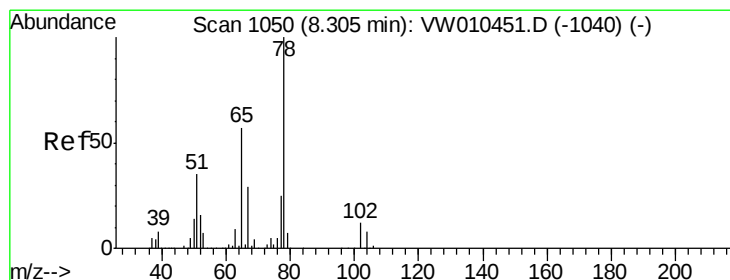
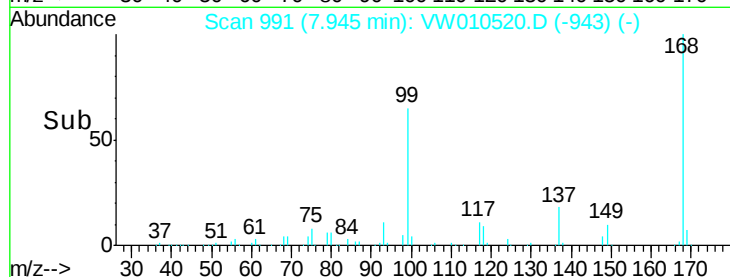
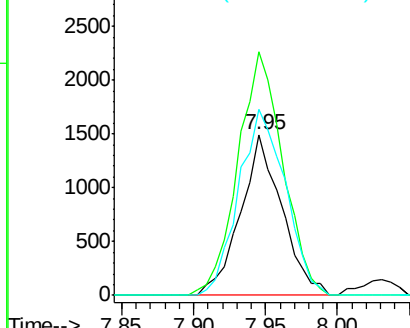
#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Instrument :
MSVOA_W
ClientSampled :
TP-6-S2

Tot Ion: 56 Resp: 2976
Ion Ratio Lower Upper
56 100
69 151.7 28.2 42.2#
84 115.8 75.8 113.8#

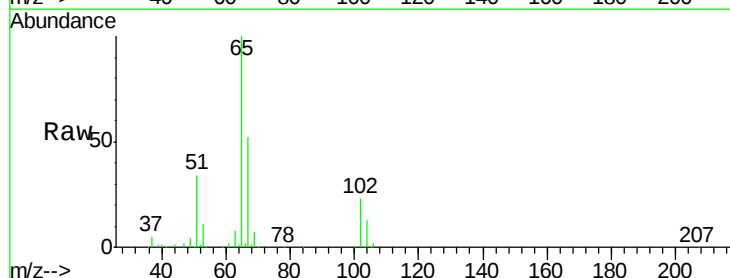


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

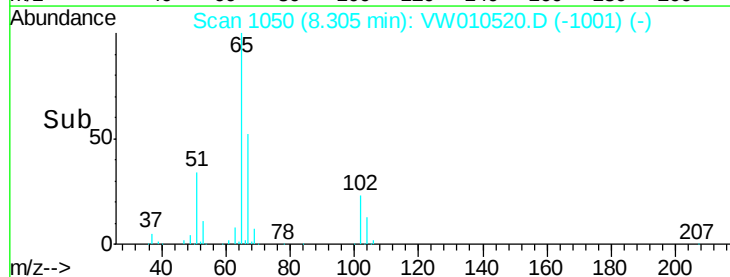
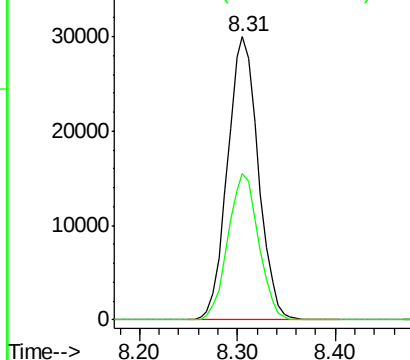


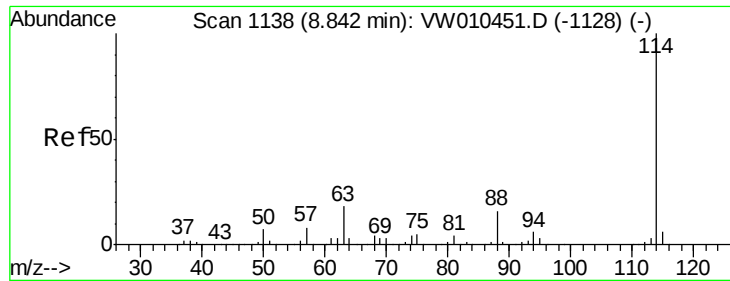
#33
1,2-Dichloroethane-d4
Concen: 55.926 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Tgt Ion: 65 Resp: 65306
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.6



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

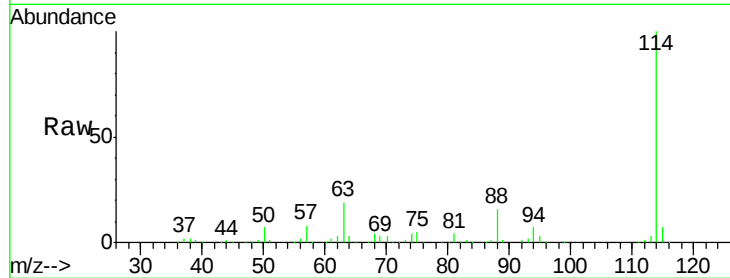




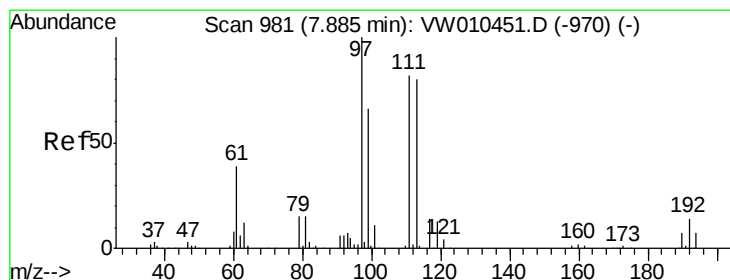
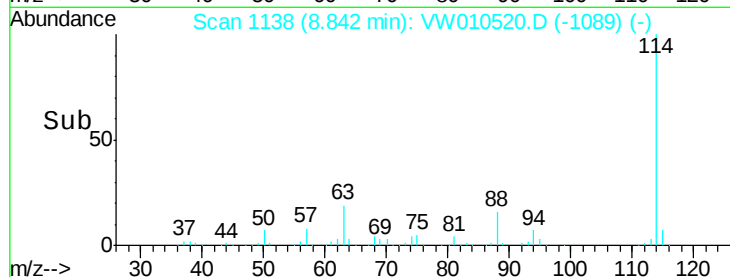
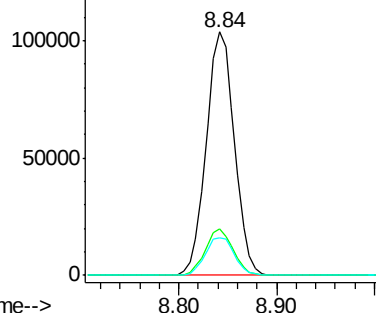
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Instrument :
MSVOA_W
ClientSampled :
TP-6-S2

Tot Ion:114 Resp: 206927
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.0
88 15.6 0.0 32.0

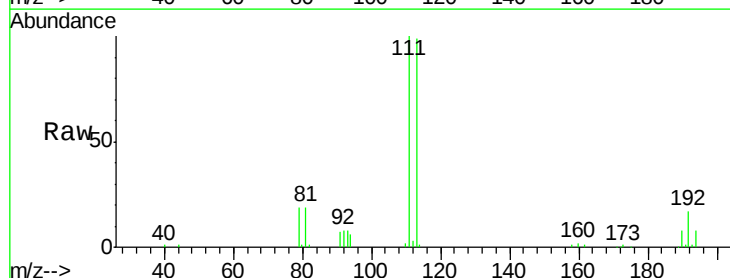


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

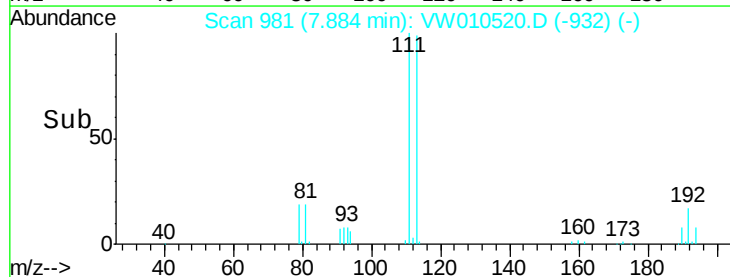
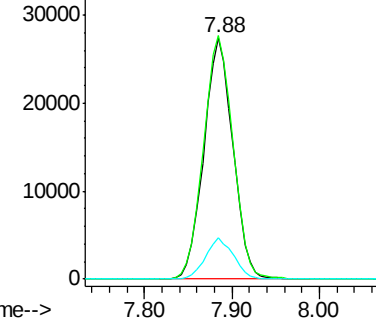


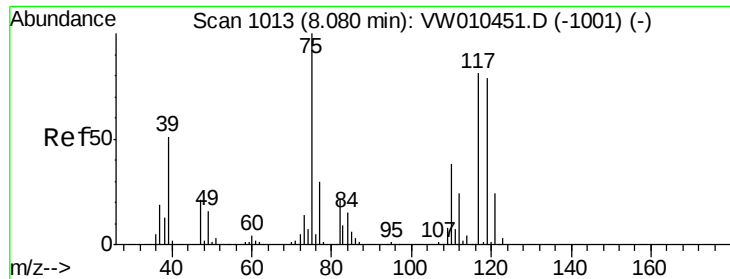
#35
Dibromofluoromethane
Concen: 50.267 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Tgt Ion:113 Resp: 63115
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 16.6 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: 4.773 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

TP-6-S2

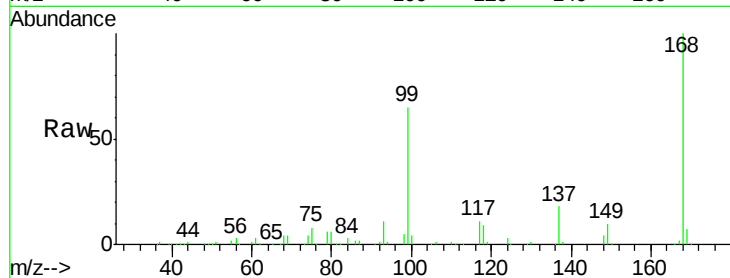
Tot Ion: 75 Resp: 9200

Ion Ratio Lower Upper

75 100

110 9.3 19.2 57.6#

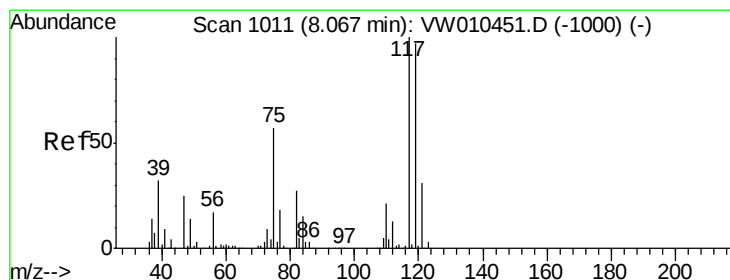
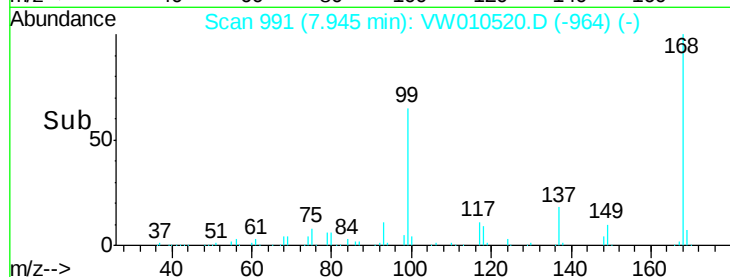
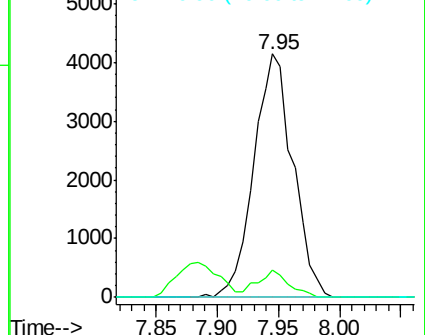
77 0.0 25.2 37.8#



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



#38

Carbon Tetrachloride

Concen: 5.809 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

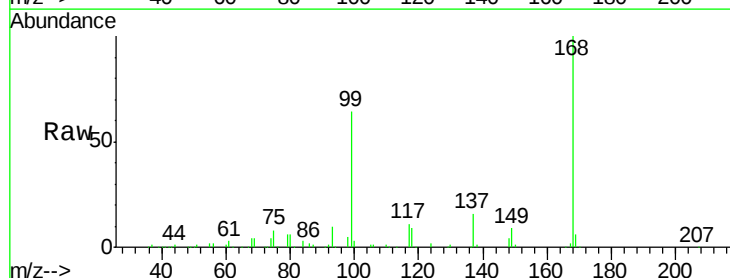
Tgt Ion: 117 Resp: 12079

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

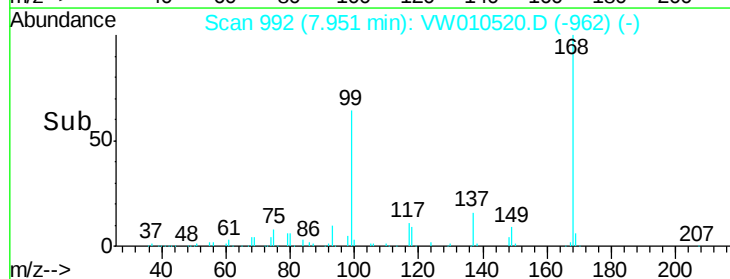
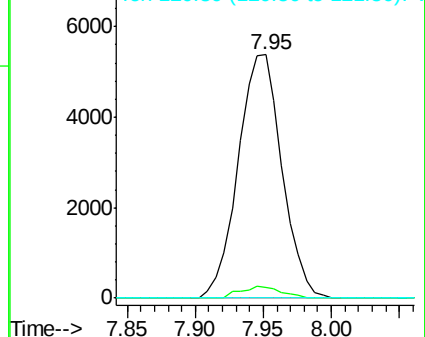
121 0.0 25.0 37.6#

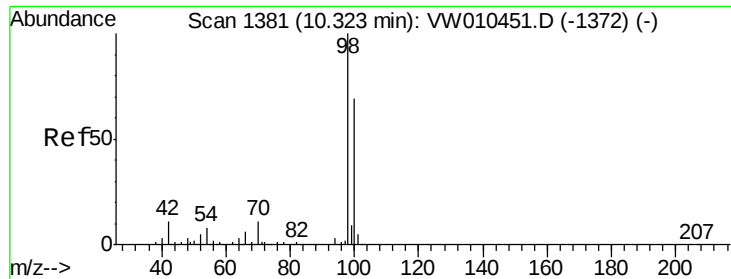


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.679 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

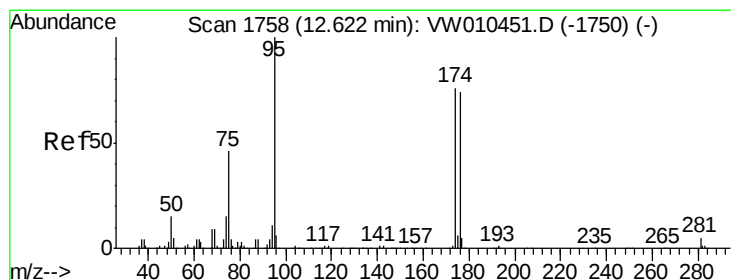
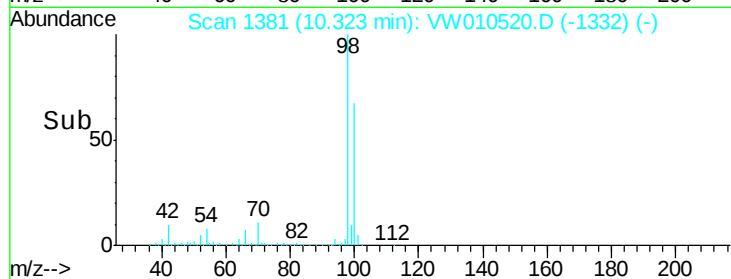
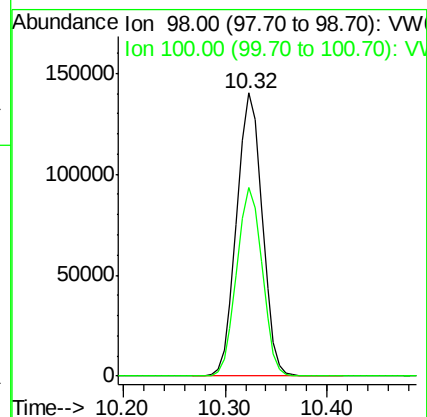
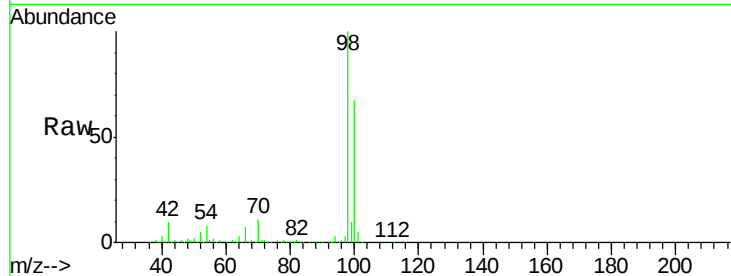
TP-6-S2

Tot Ion: 98 Resp: 243088

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 37.830 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

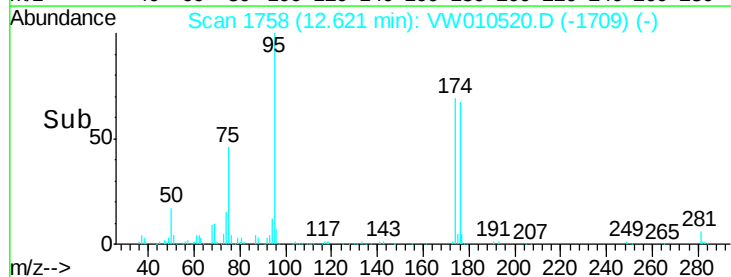
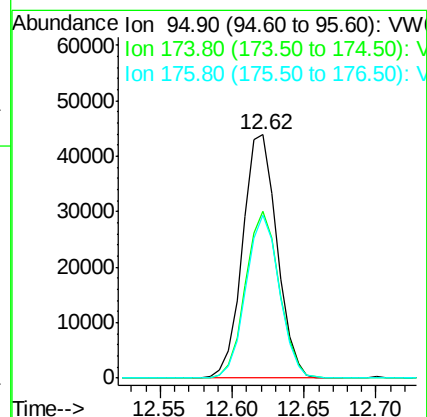
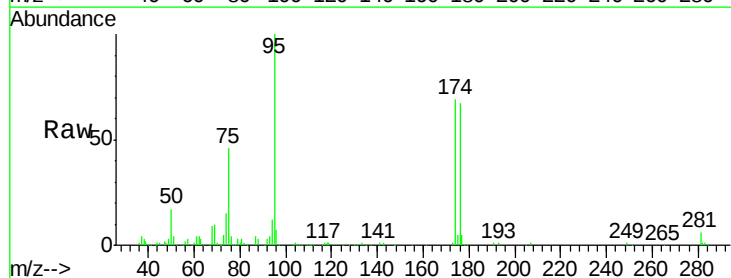
Tgt Ion: 95 Resp: 72278

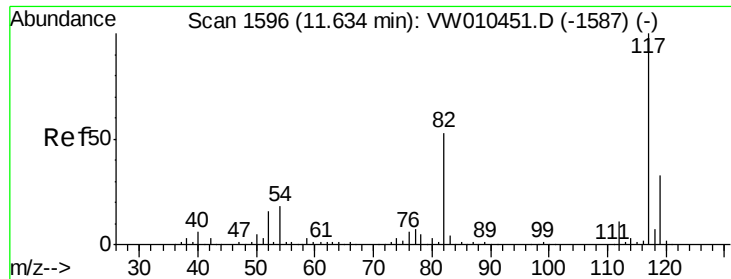
Ion Ratio Lower Upper

95 100

174 67.3 0.0 148.6

176 65.0 0.0 144.2

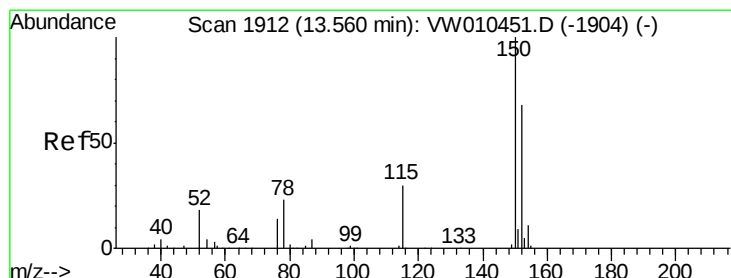
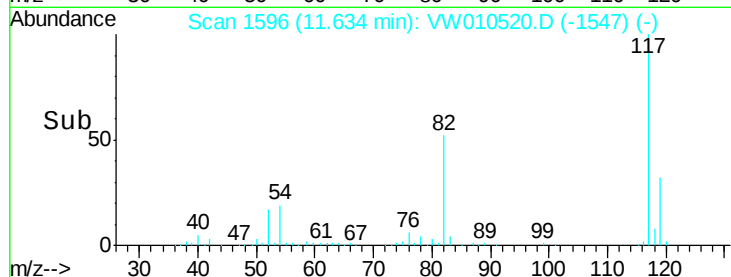
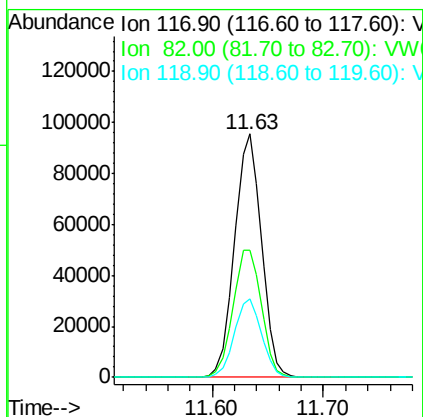
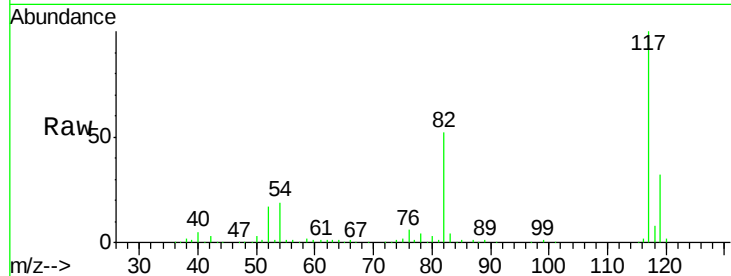




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

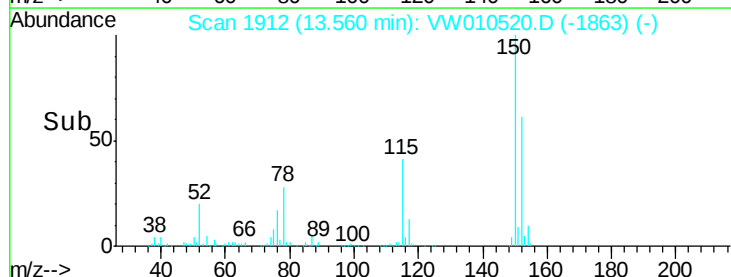
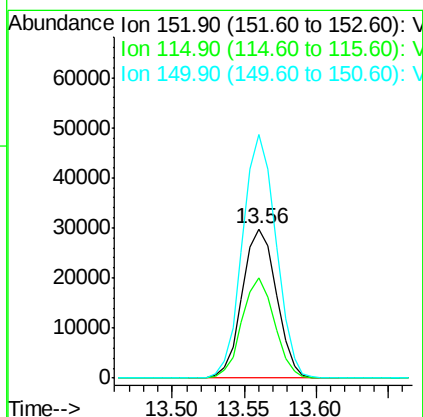
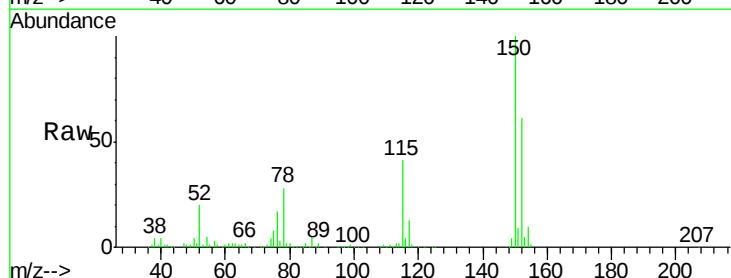
Instrument :
MSVOA_W
ClientSampleId :
TP-6-S2

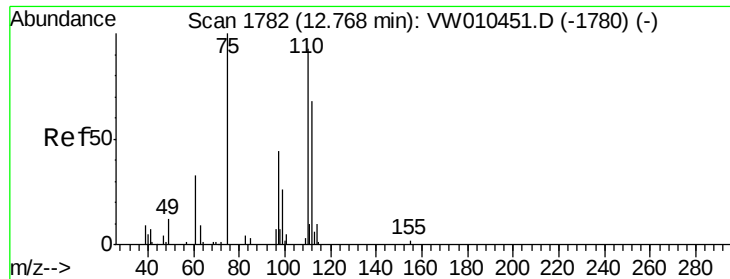
Tot Ion:117 Resp: 159974
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010520.D
Acq: 22 May 2019 19:40

Tgt Ion:152 Resp: 49239
Ion Ratio Lower Upper
152 100
115 64.1 30.3 91.0
150 159.5 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 69.949 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

Instrument :

MSVOA_W

ClientSampleId :

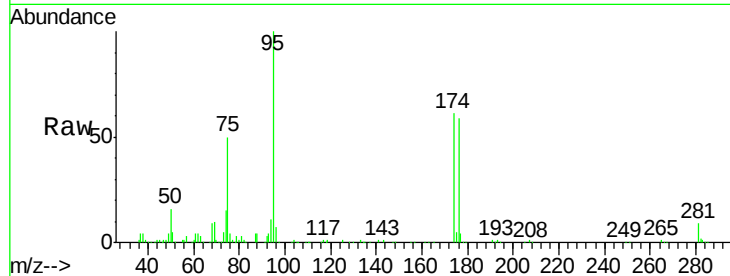
TP-6-S2

Tot Ion: 75 Resp: 34961

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

25000

20000

15000

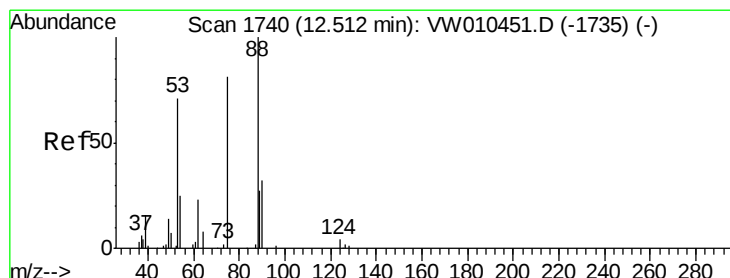
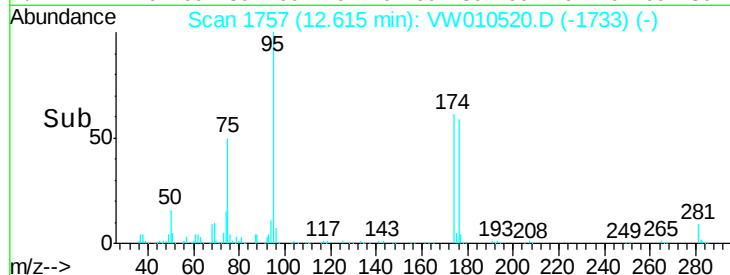
10000

5000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 145.985 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010520.D

Acq: 22 May 2019 19:40

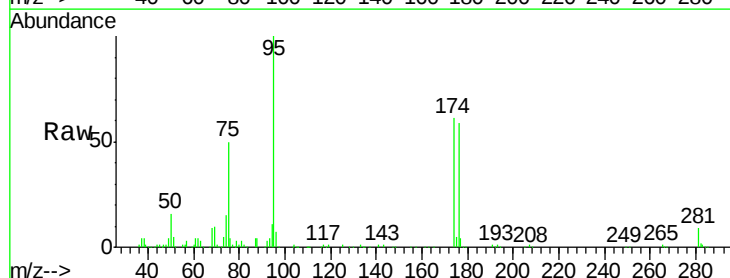
Tgt Ion: 75 Resp: 34961

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

25000

20000

15000

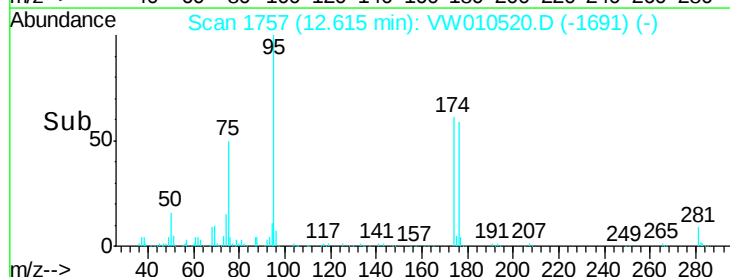
10000

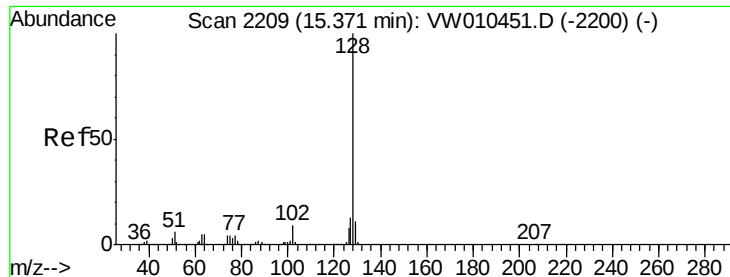
5000

0

Time-->

12.60 12.70

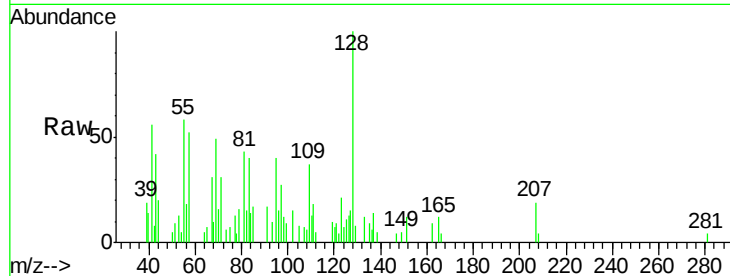




#95
 Naphthalene
 Concen: 1.182 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW010520.D
 Acq: 22 May 2019 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-S2

Tot Ion	Ratio	Lower	Upper
128	100		
127	27.7	10.6	15.8
129	12.8	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

