

Data File : VW010776.D
Acq On : 12 Jun 2019 14:18
Operator : SY/VA
Sample : K3265-03
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-04-2.5-3.0RE

Quant Time: Jun 13 07:36:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	42879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	36004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	16845	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	12474	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	10.32	98	56127	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.62	95	17556	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds

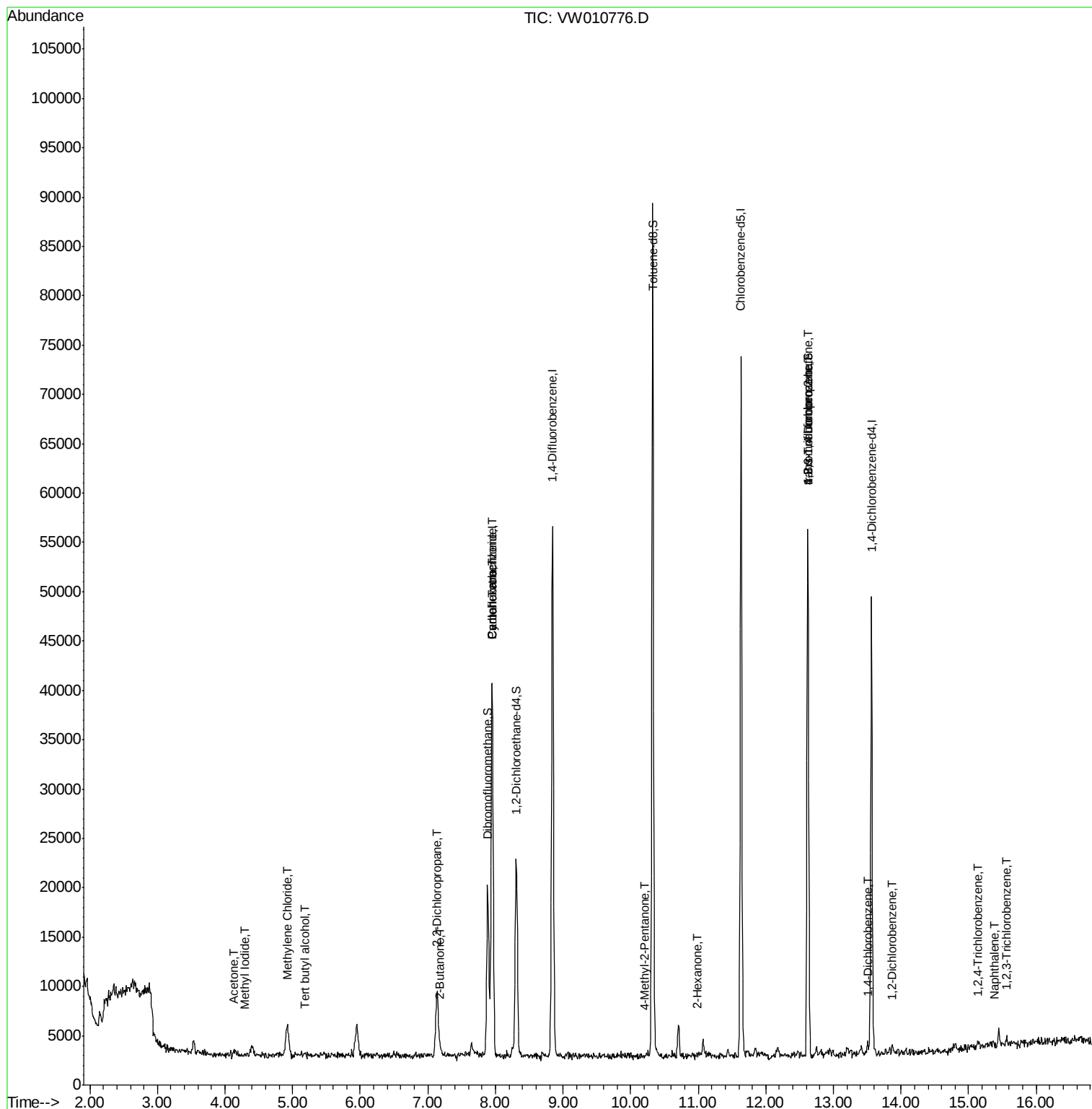
						Qvalue
10) Methyl Iodide	4.29	142	105	5.135	ug/l #	41
11) Tert butyl alcohol	5.18	59	118	4.501	ug/l #	72
16) Acetone	4.14	43	1228	14.242	ug/l #	80
20) Methylene Chloride	4.93	84	2134	7.055	ug/l #	82
25) 2-Butanone	7.18	43	153	1.280	ug/l #	53
26) 2,2-Dichloropropane	7.14	77	490	1.031	ug/l #	55
31) Cyclohexane	7.95	56	902	1.389	ug/l #	33
38) Carbon Tetrachloride	7.95	117	2738	7.226	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	432	1.800	ug/l #	39
59) 2-Hexanone	10.98	43	244	1.406	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	9769	84.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9769	193.892	ug/l #	5
88) 1,4-Dichlorobenzene	13.50	146	348	1.006	ug/l	68
91) 1,2-Dichlorobenzene	13.87	146	414	1.320	ug/l	90
93) 1,2,4-Trichlorobenzene	15.14	180	244	1.108	ug/l #	69
95) Naphthalene	15.38	128	545	1.363	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.57	180	241	1.287	ug/l	87

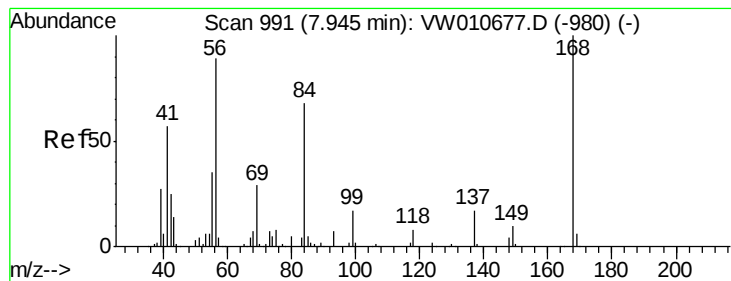
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

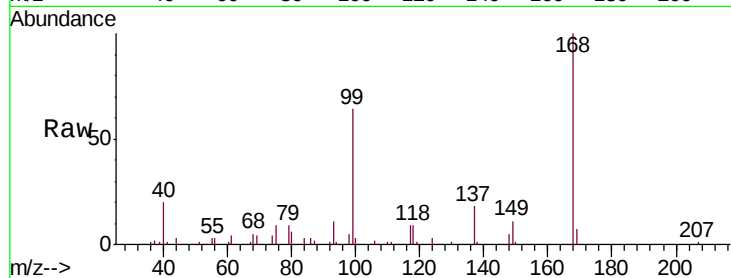
B-04-2.5-3.0RE

Tgt Ion:168 Resp: 27301

Ion Ratio Lower Upper

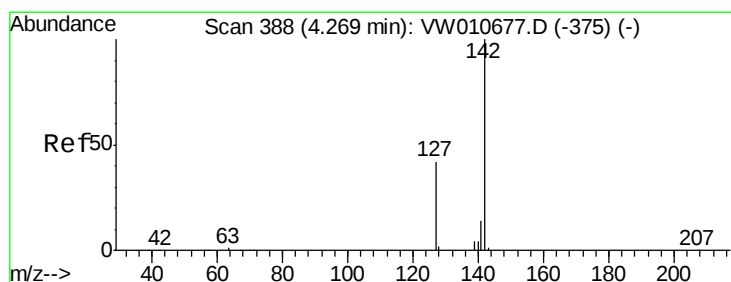
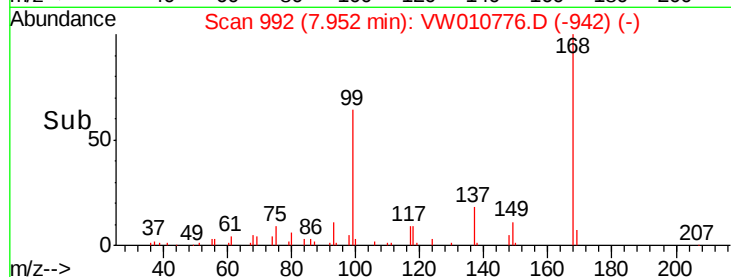
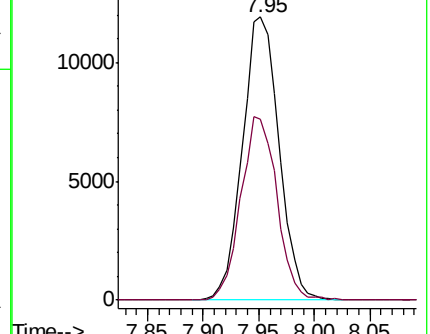
168 100

99 63.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.135 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.02 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

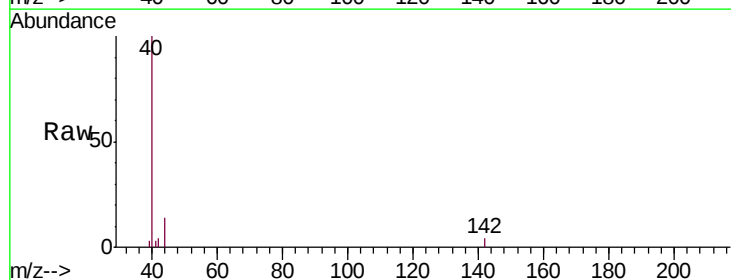
Tgt Ion:142 Resp: 105

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

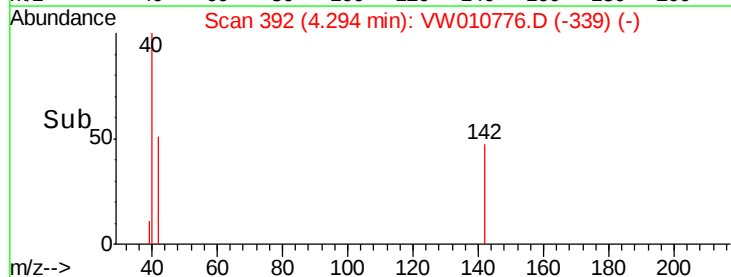
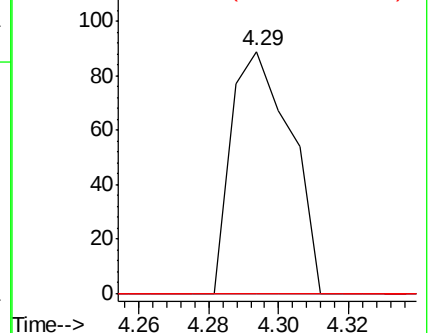
141 0.0 11.6 17.4#

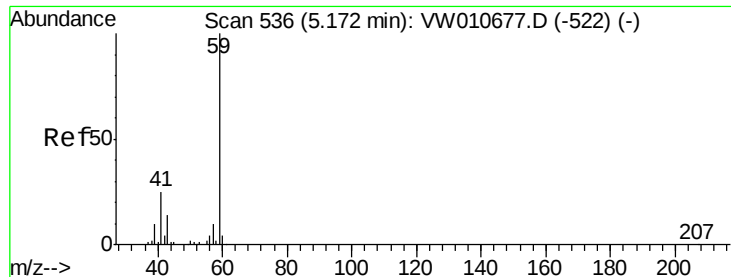


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

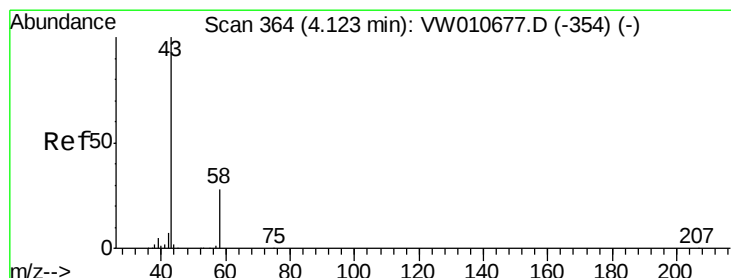
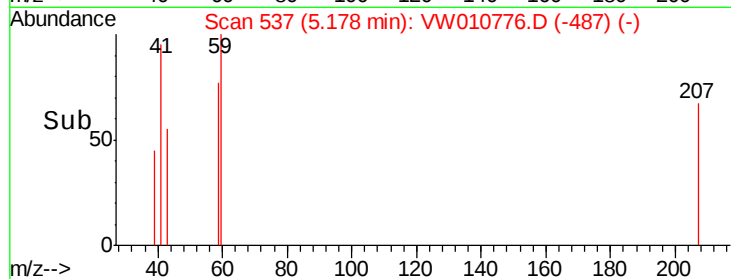
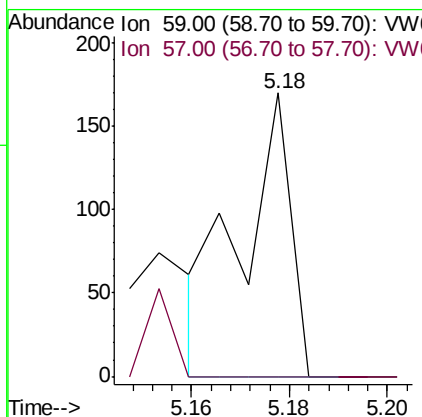
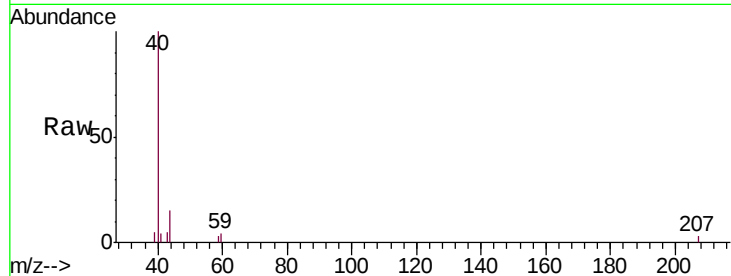




#11
Tert butyl alcohol
Concen: 4.501 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

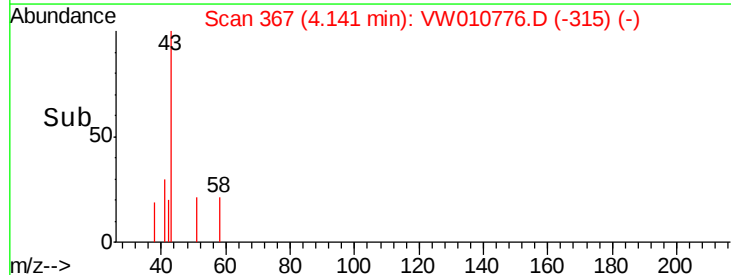
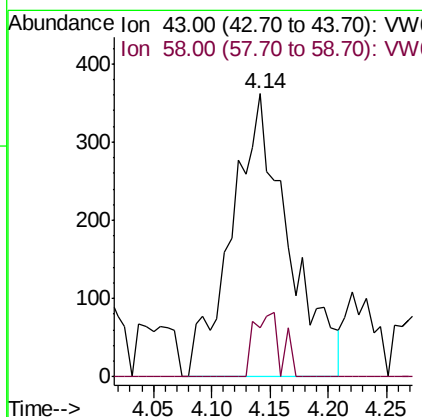
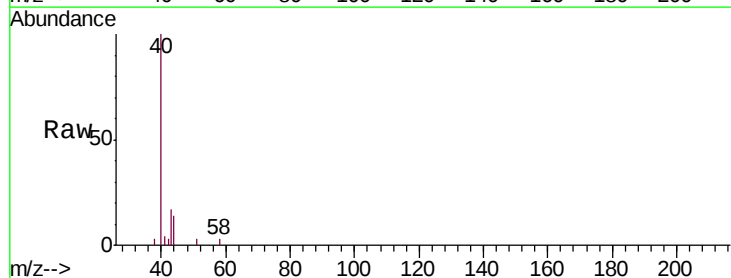
Instrument :
MSVOA_W
ClientSampleId :
B-04-2.5-3.0RE

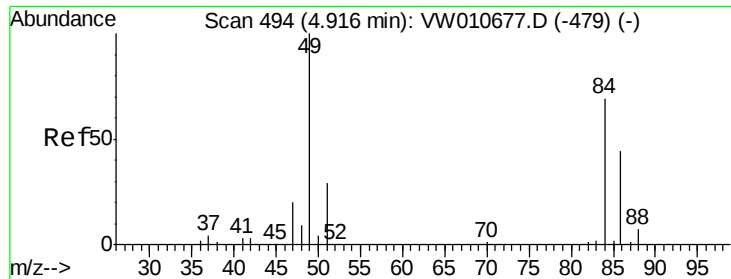
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 14.242 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 17.4 22.1 33.1#

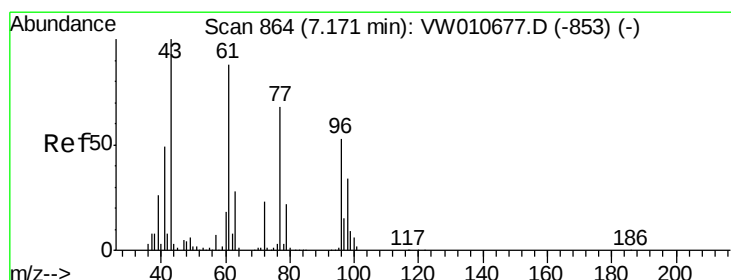
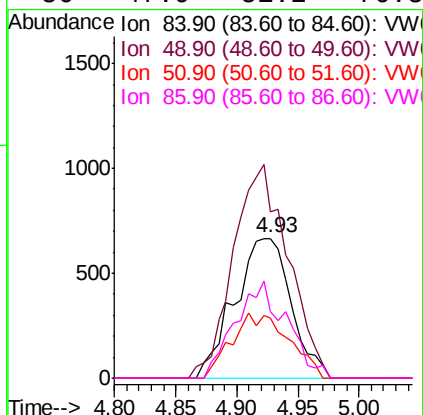
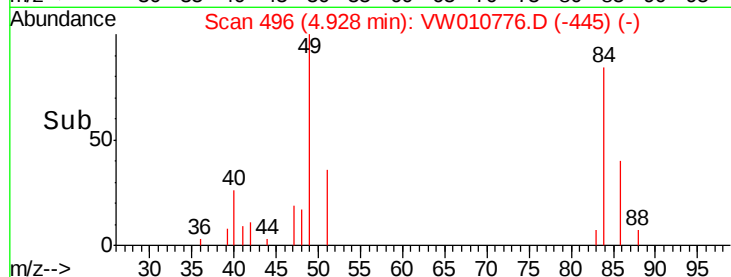
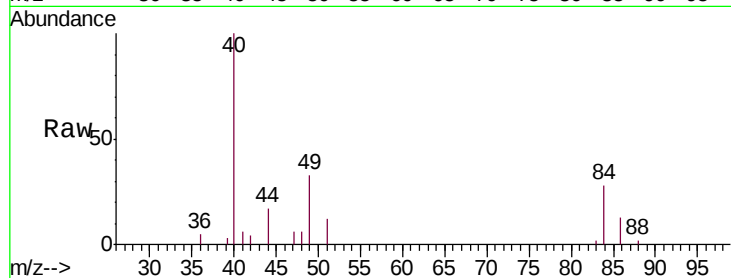




#20
Methylene Chloride
Concen: 7.055 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

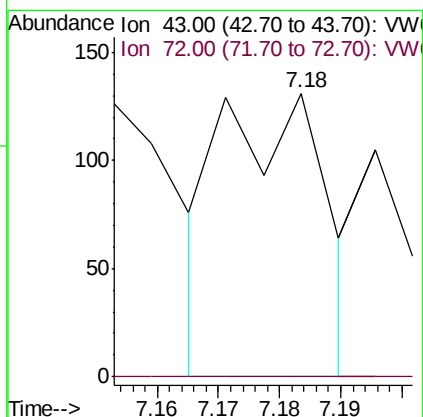
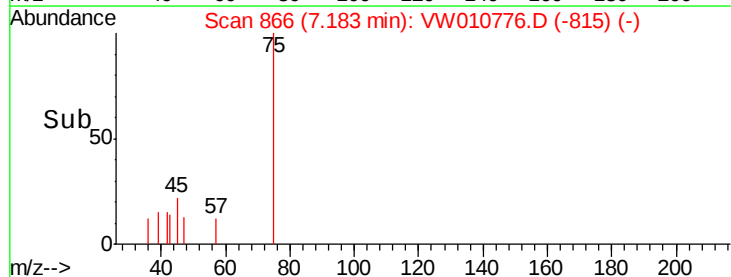
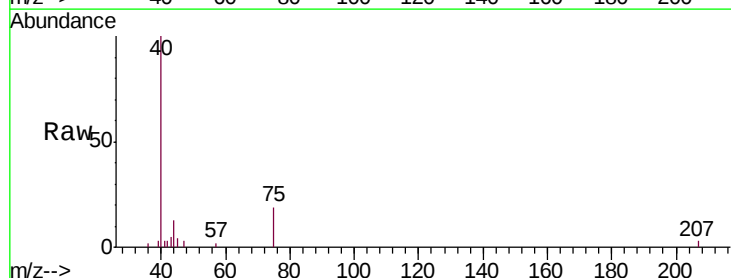
Instrument :
MSVOA_W
ClientSampleId :
B-04-2.5-3.0RE

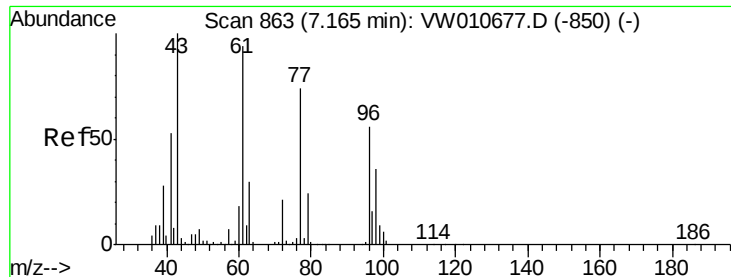
Tgt Ion: 84 Resp: 2134
Ion Ratio Lower Upper
84 100
49 119.5 116.7 175.1
51 43.2 34.2 51.2
86 47.9 51.2 76.8#



#25
2-Butanone
Concen: 1.280 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1#





#26

2,2-Dichloropropane

Concen: 1.031 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

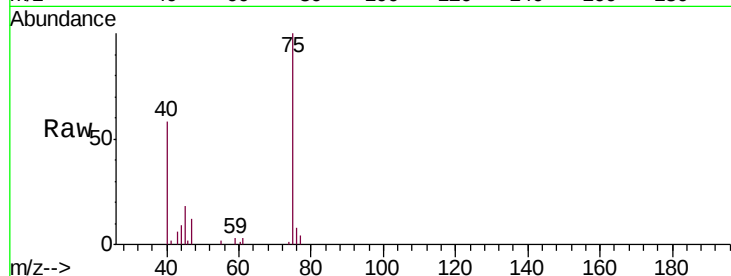
B-04-2.5-3.0RE

Tgt Ion: 77 Resp: 490

Ion Ratio Lower Upper

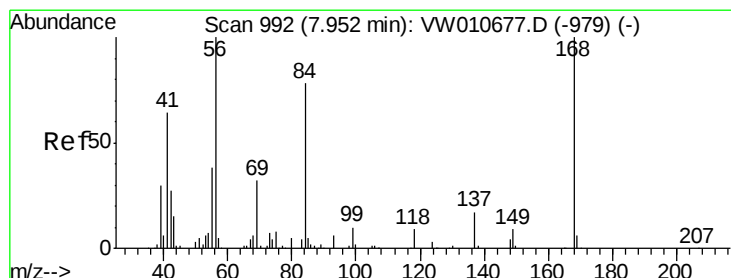
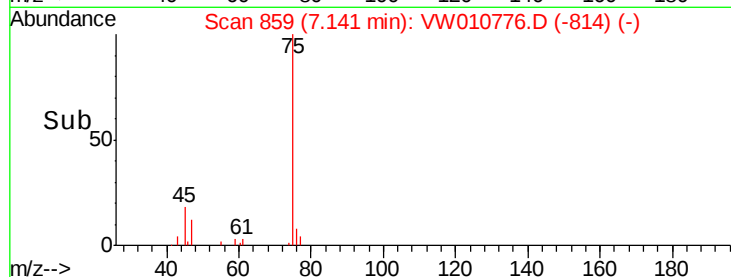
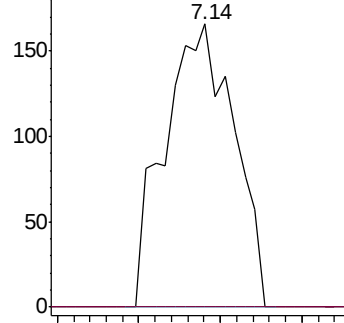
77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

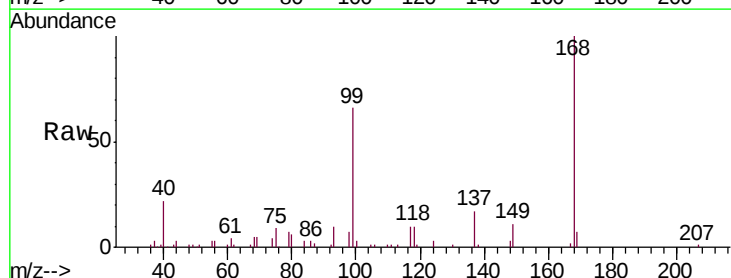
Tgt Ion: 56 Resp: 902

Ion Ratio Lower Upper

56 100

69 137.9 25.2 37.8#

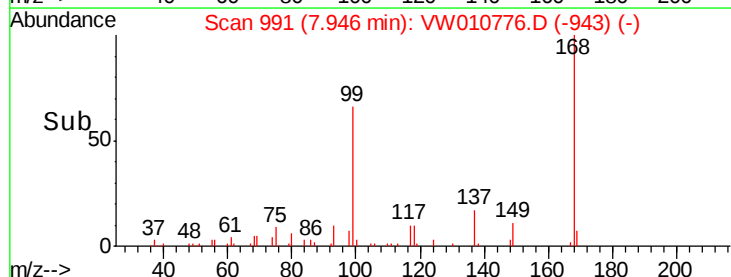
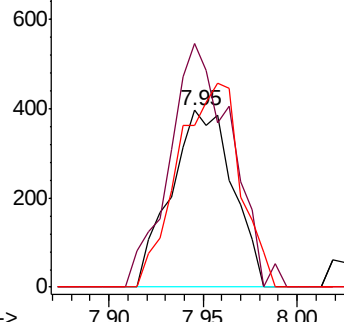
84 91.7 62.2 93.2

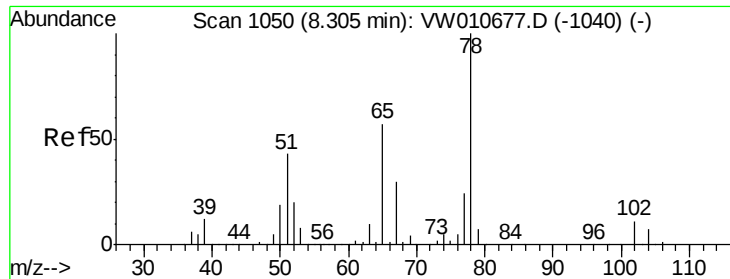


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

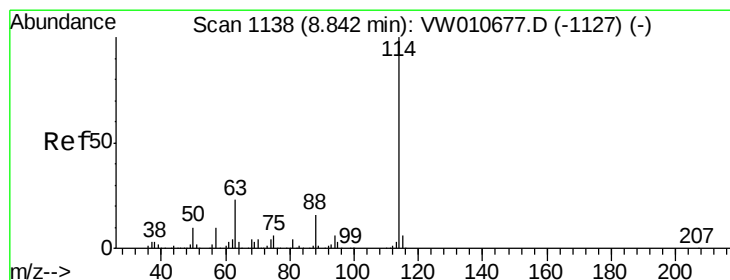
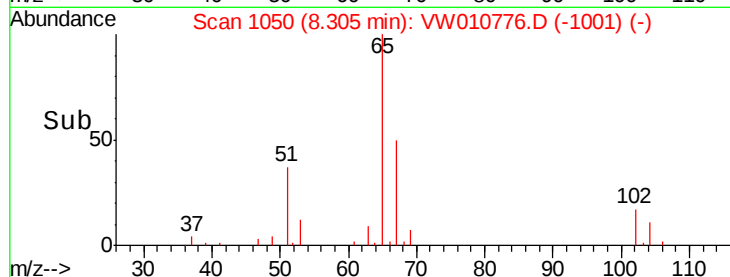
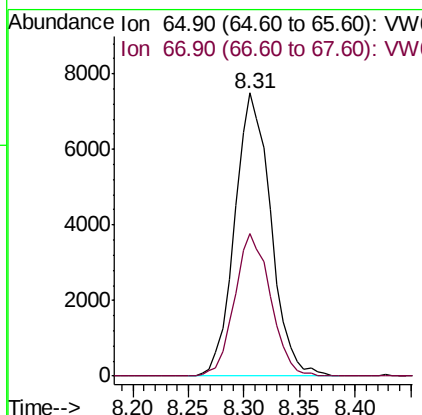
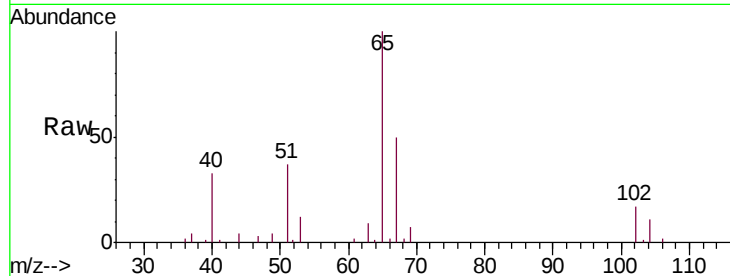




#33
 1,2-Dichloroethane-d4
 Concen: 52.348 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

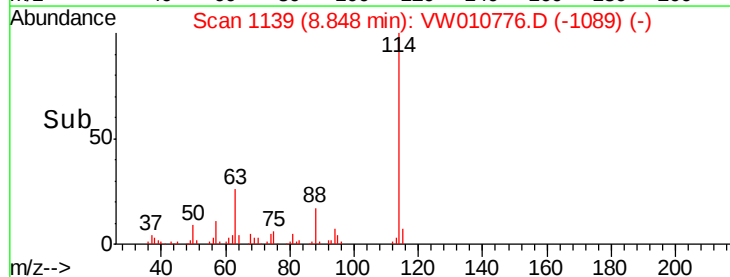
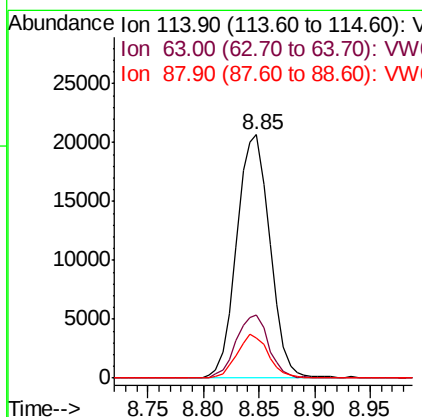
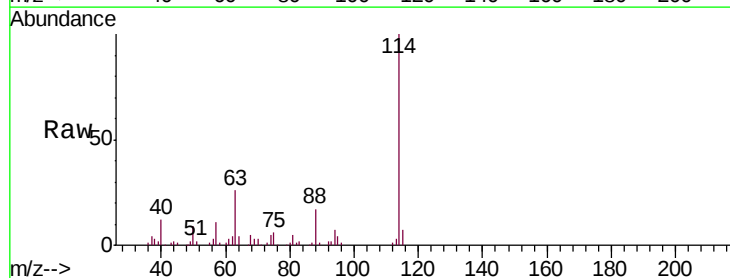
Instrument :
 MSVOA_W
 ClientSampleId :
 B-04-2.5-3.0RE

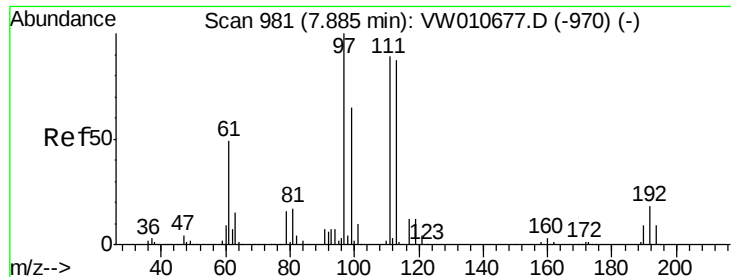
Tgt Ion: 65 Resp: 16845
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

Tgt Ion: 114 Resp: 42879
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 46.4
 88 16.6 0.0 32.2

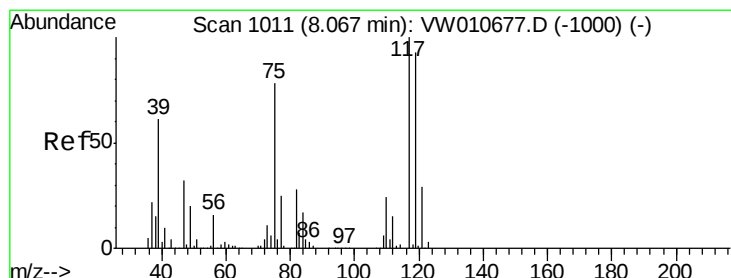
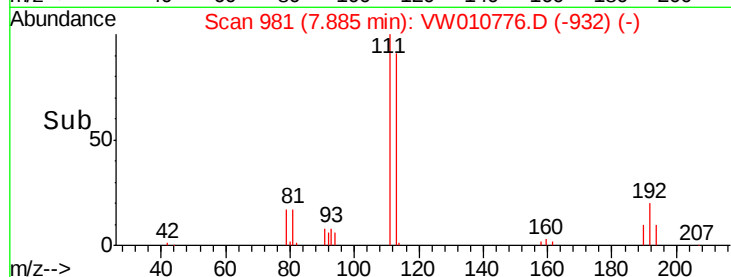
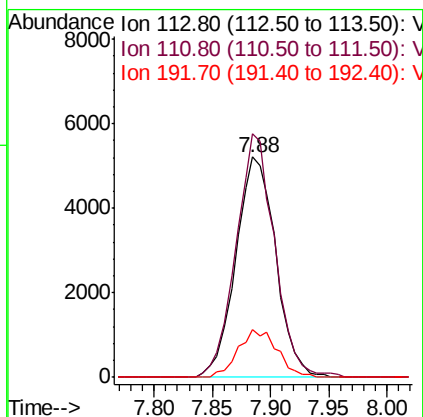
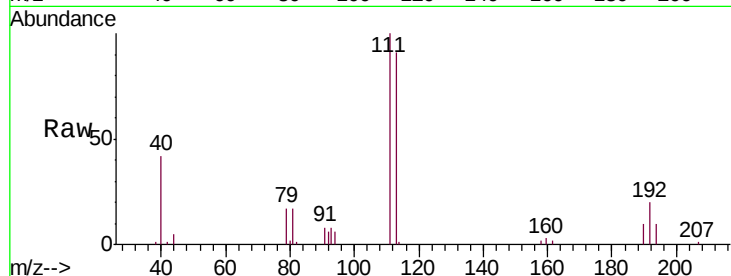




#35
 Dibromofluoromethane
 Concen: 53.597 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

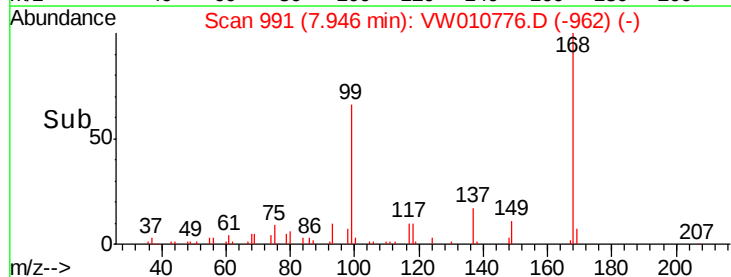
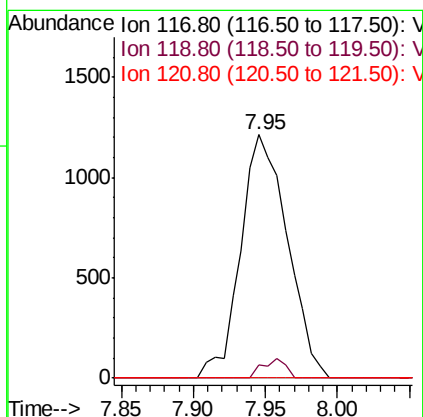
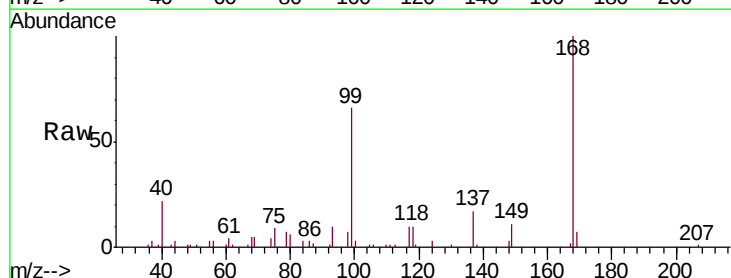
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 MSVOA_W
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 B-04-2.5-3.0RE

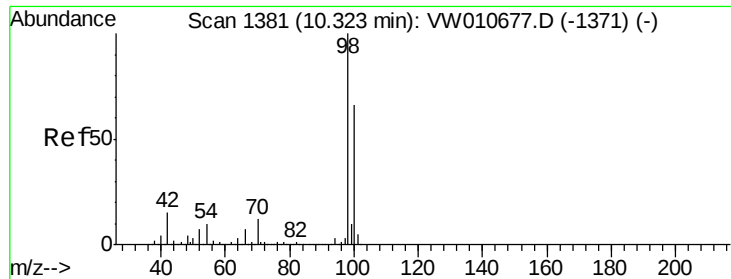
Tgt Ion:113 Resp: 12474
 Ion Ratio Lower Upper
 113 100
 111 106.6 82.6 123.8
 192 21.1 16.4 24.6



#38
 Carbon Tetrachloride
 Concen: 7.226 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

Tgt Ion:117 Resp: 2738
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.2 111.4#
 121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 54.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

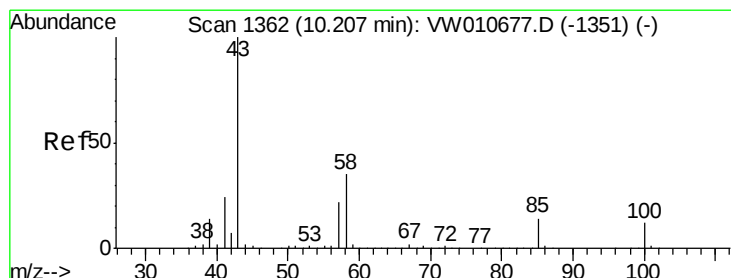
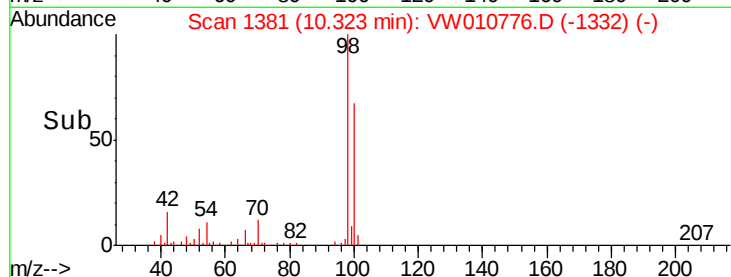
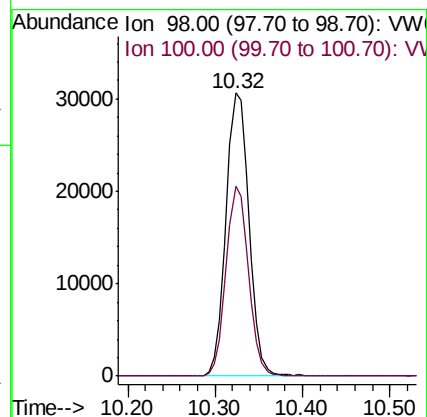
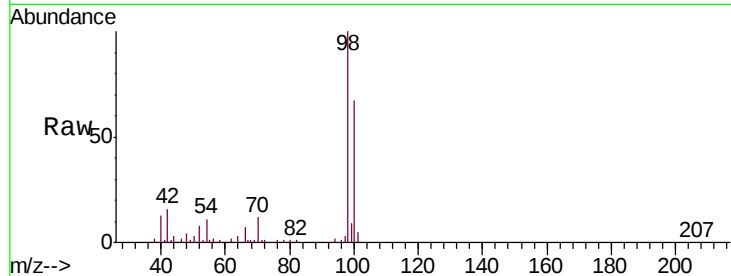
B-04-2.5-3.0RE

Tgt Ion: 98 Resp: 56127

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.800 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010776.D

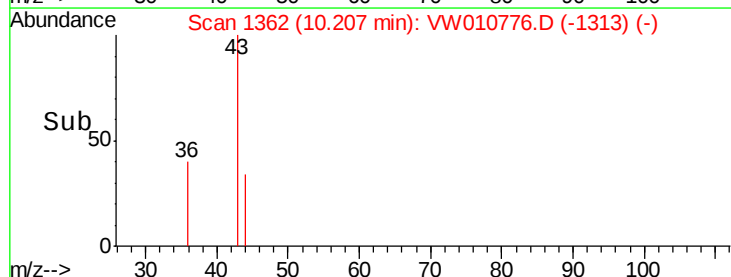
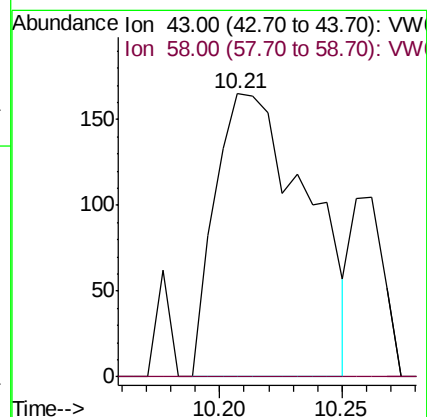
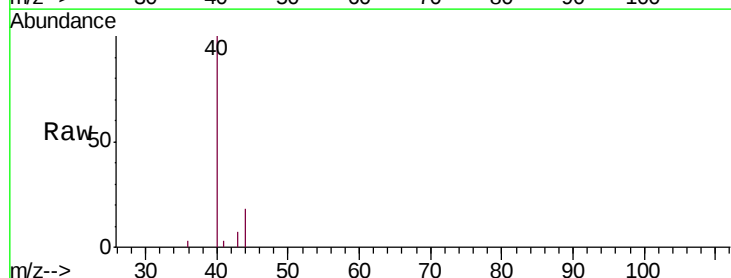
Acq: 12 Jun 2019 14:18

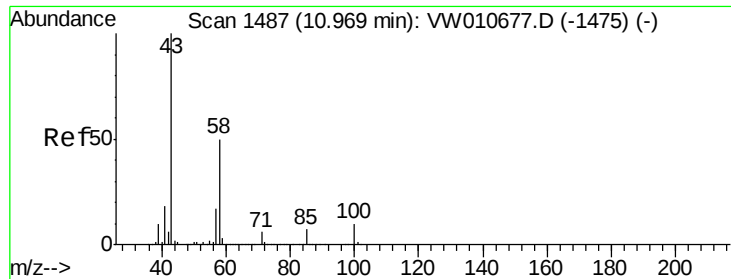
Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#





#59

2-Hexanone

Concen: 1.406 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

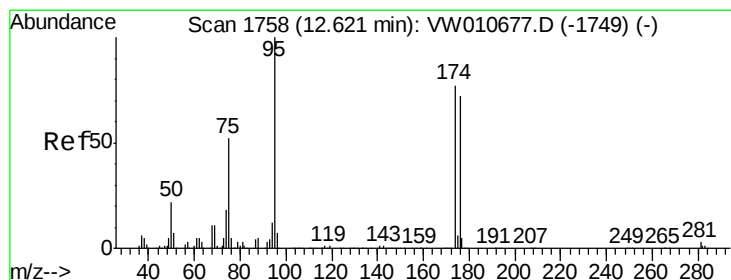
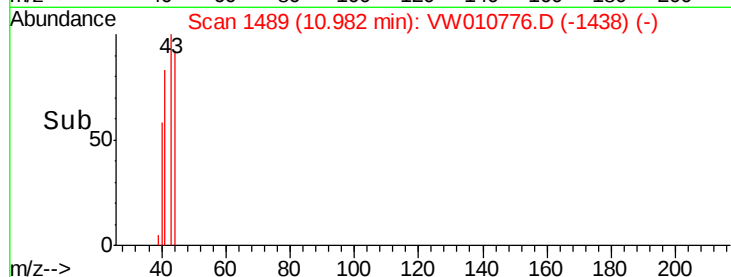
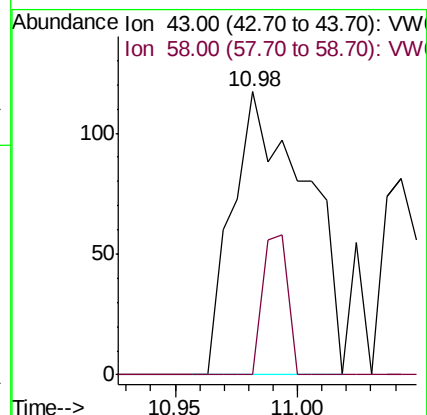
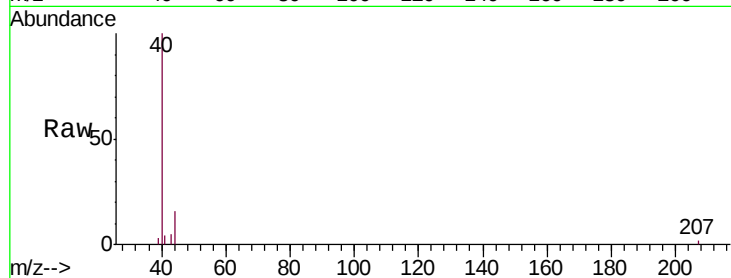
B-04-2.5-3.0RE

Tgt Ion: 43 Resp: 244

Ion Ratio Lower Upper

43 100

58 17.2 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 47.273 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

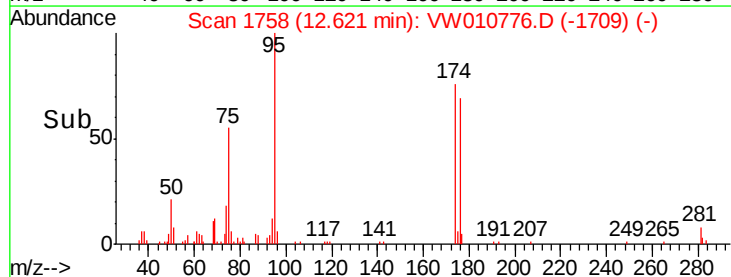
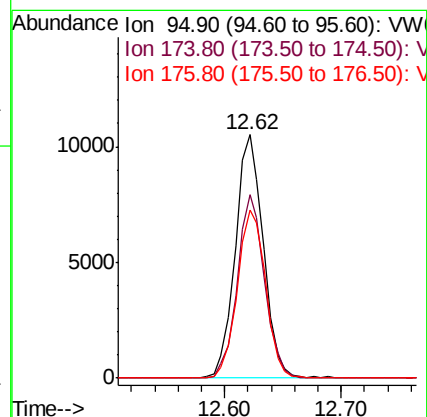
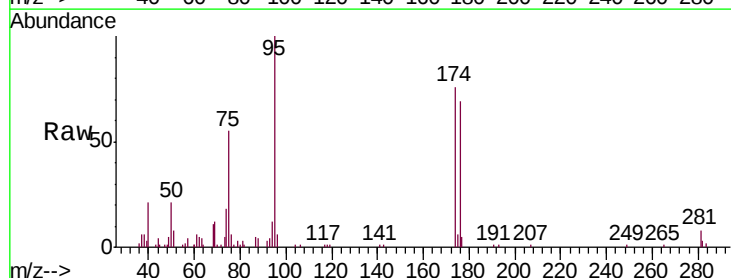
Tgt Ion: 95 Resp: 17556

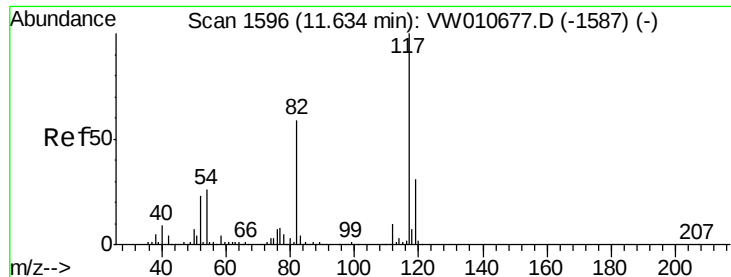
Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.4

176 69.6 0.0 144.8

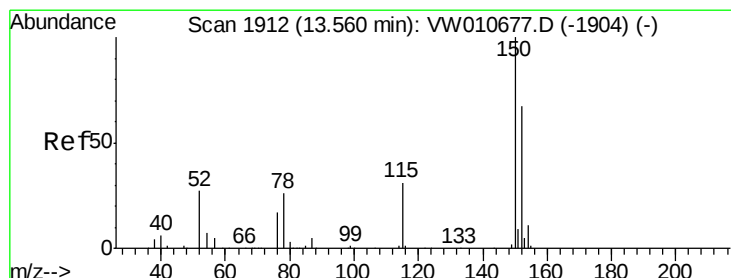
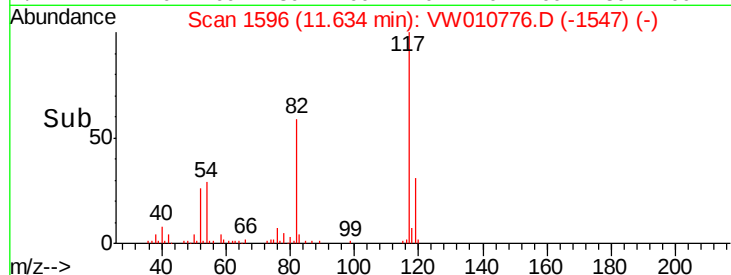
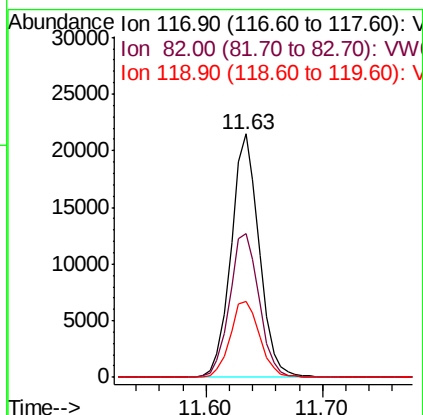
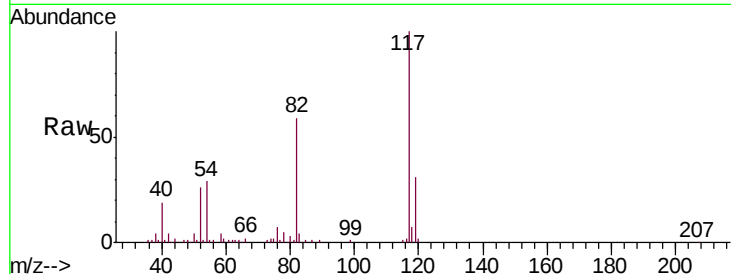




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

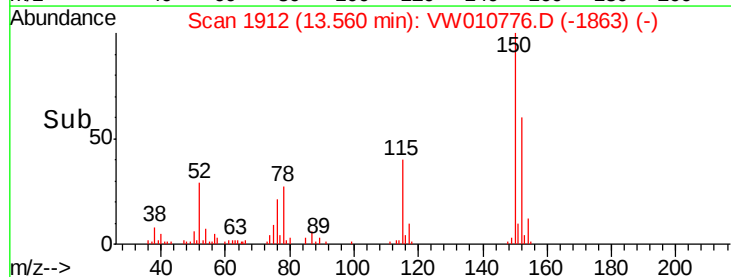
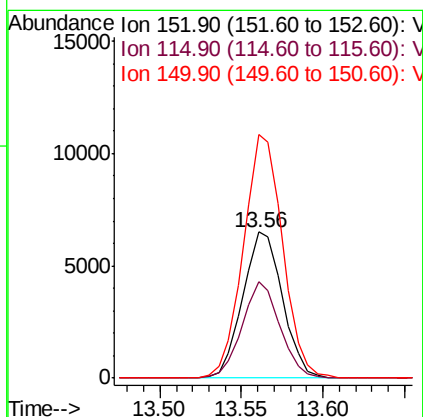
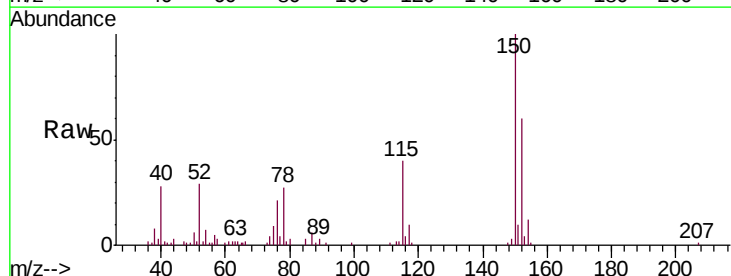
Instrument :
MSVOA_W
ClientSampleId :
B-04-2.5-3.0RE

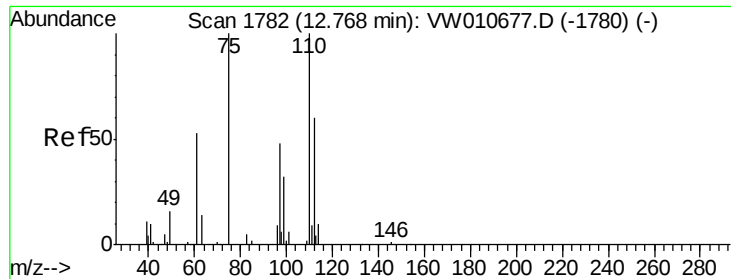
Tgt Ion:117 Resp: 36004
Ion Ratio Lower Upper
117 100
82 59.1 47.0 70.4
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010776.D
Acq: 12 Jun 2019 14:18

Tgt Ion:152 Resp: 11027
Ion Ratio Lower Upper
152 100
115 63.1 29.8 89.3
150 164.7 0.0 345.0

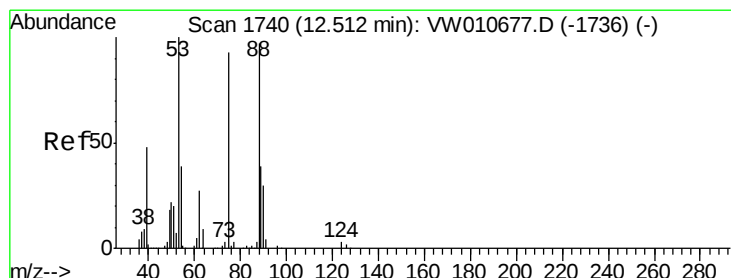
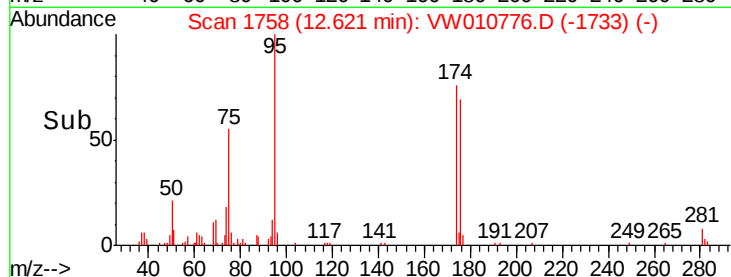
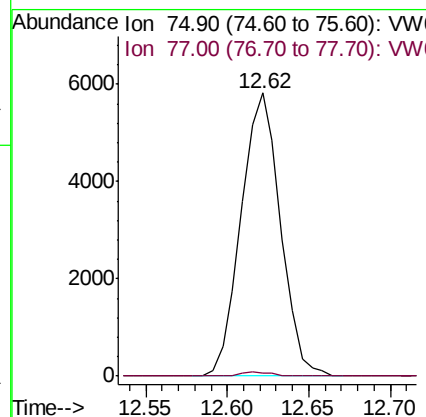
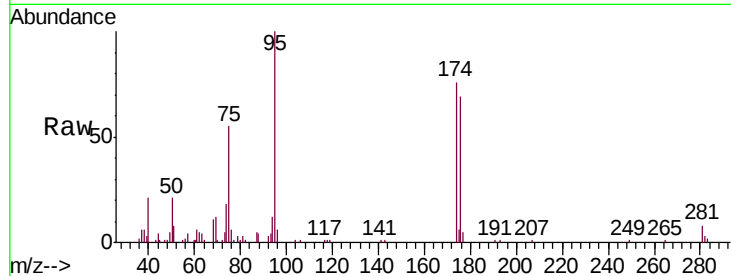




#76
 1,2,3-Trichloropropane
 Concen: 84.362 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

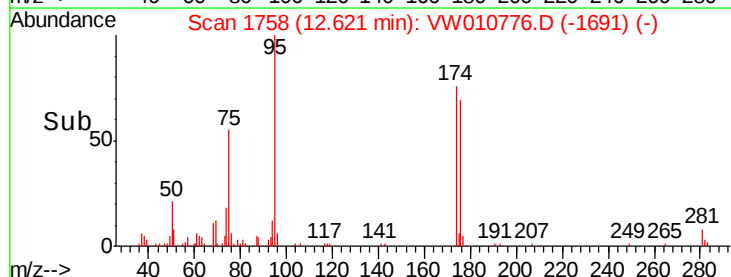
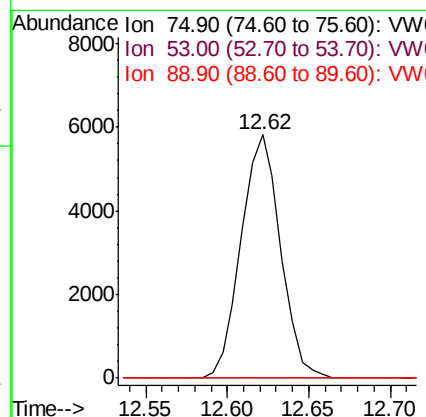
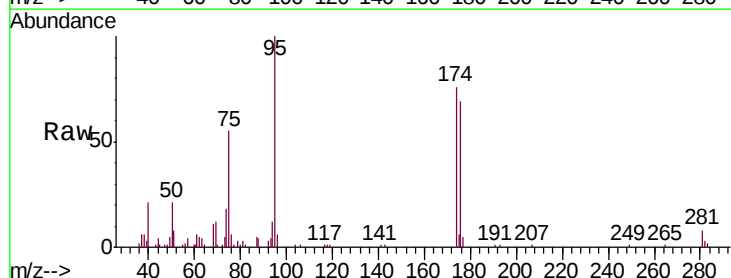
Instrument :
 MSVOA_W
 ClientSampleId :
 B-04-2.5-3.0RE

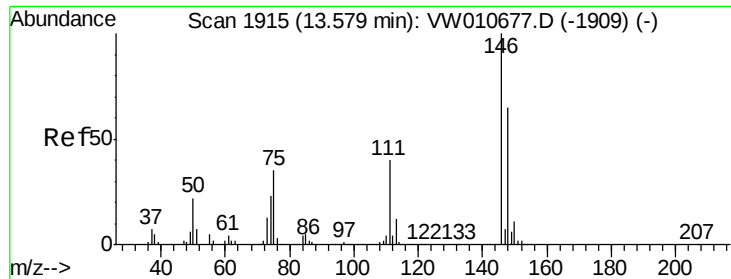
Tgt Ion: 75 Resp: 9769
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 193.892 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

Tgt Ion: 75 Resp: 9769
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 34.6 52.0#

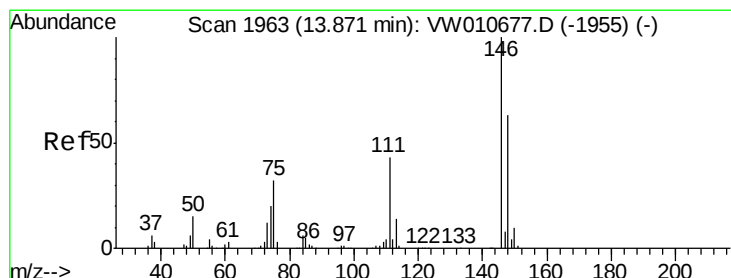
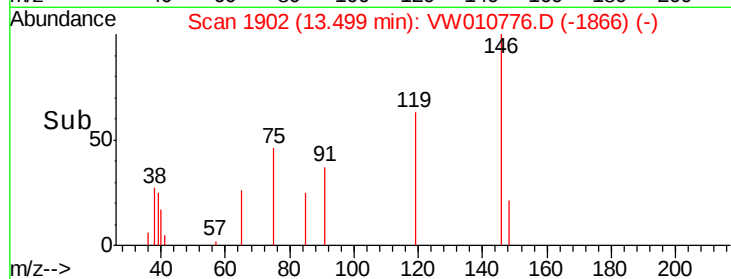
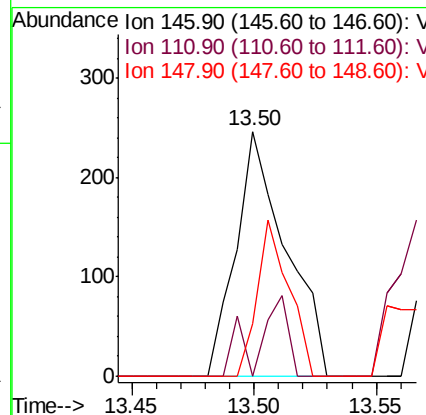
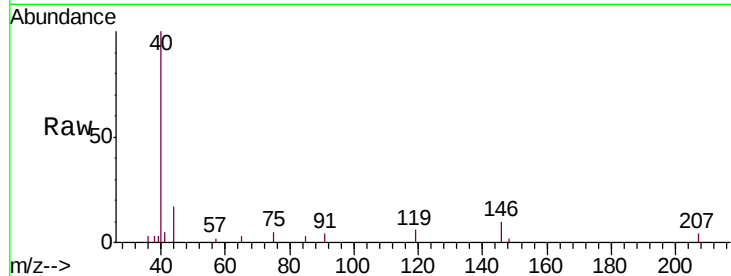




#88
 1,4-Dichlorobenzene
 Concen: 1.006 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.08 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

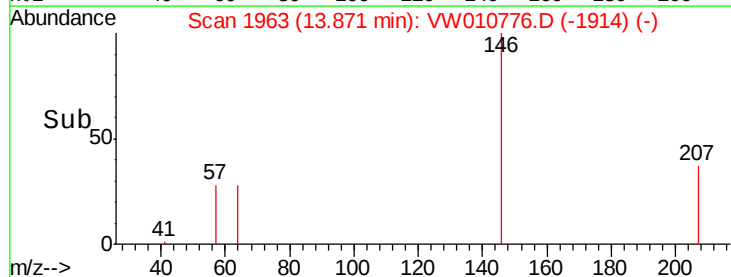
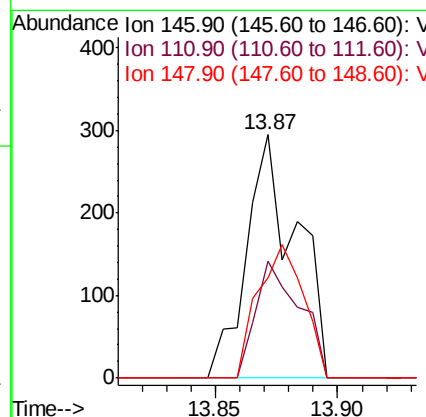
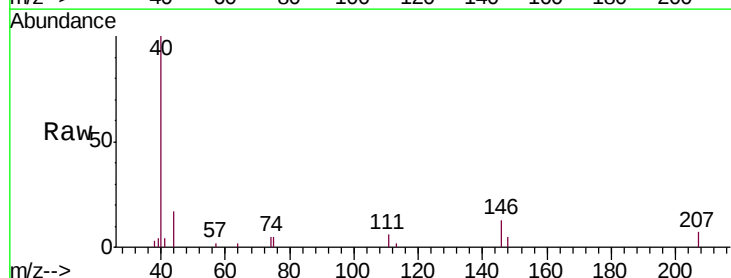
Instrument :
 MSVOA_W
 ClientSampleId :
 B-04-2.5-3.0RE

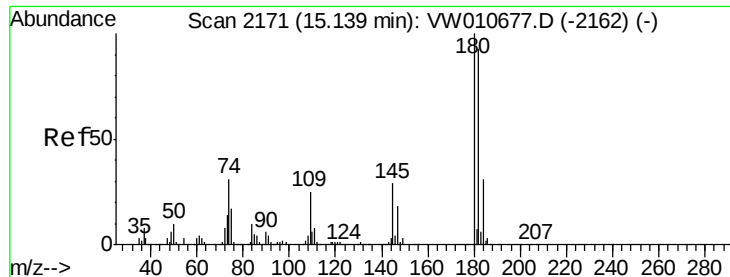
Tgt Ion:146 Resp: 348
 Ion Ratio Lower Upper
 146 100
 111 20.7 20.3 60.9
 148 40.2 32.4 97.2



#91
 1,2-Dichlorobenzene
 Concen: 1.320 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

Tgt Ion:146 Resp: 414
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.5 64.5
 148 50.2 31.9 95.5





#93

1,2,4-Trichlorobenzene

Concen: 1.108 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

B-04-2.5-3.0RE

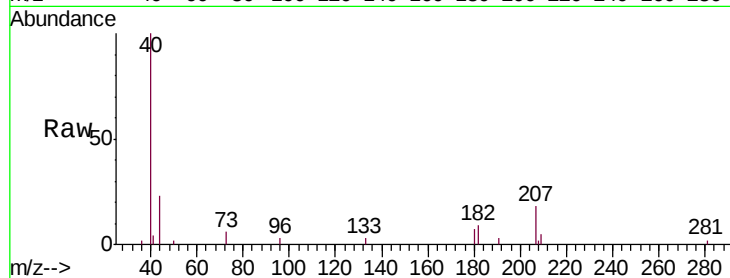
Tgt Ion:180 Resp: 244

Ion Ratio Lower Upper

180 100

182 123.0 47.1 141.4

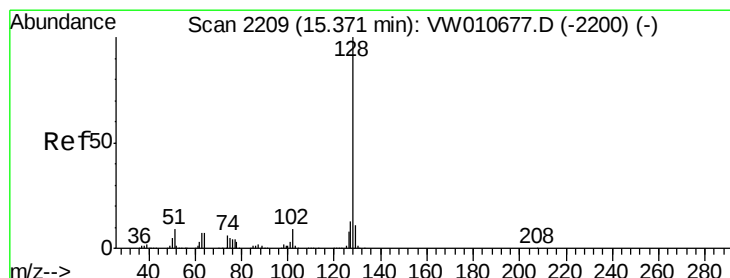
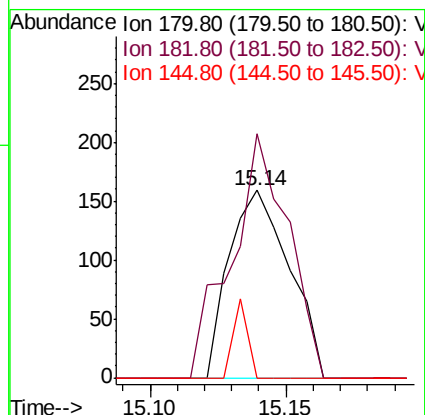
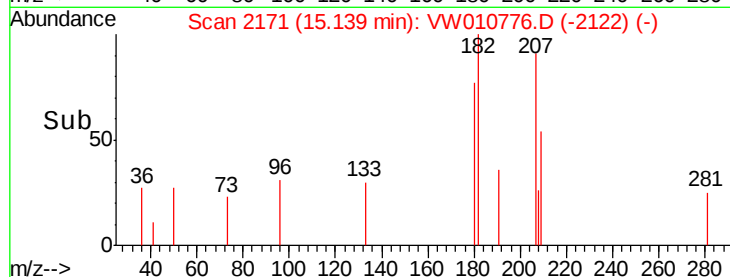
145 10.2 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 1.363 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010776.D

Acq: 12 Jun 2019 14:18

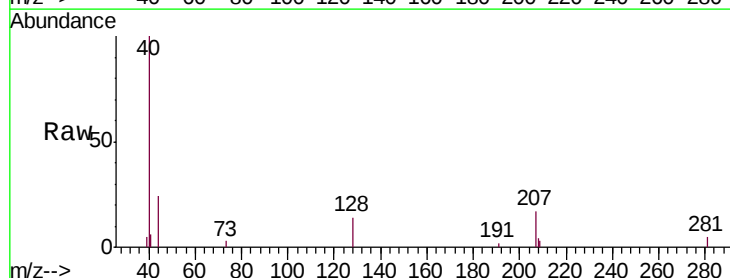
Tgt Ion:128 Resp: 545

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

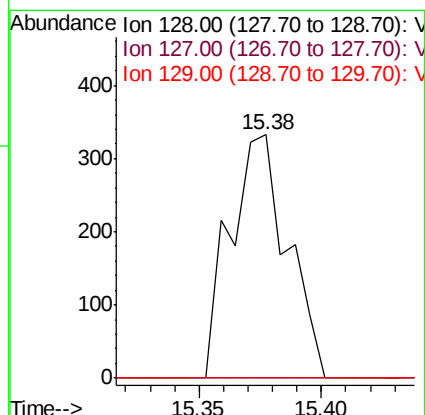
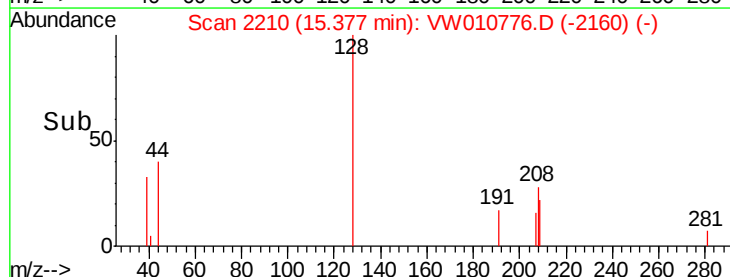
129 0.0 8.6 13.0#

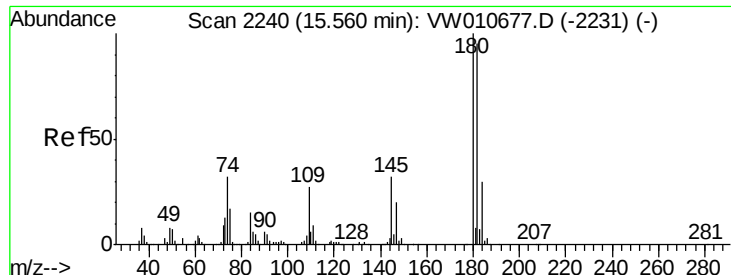


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.287 ug/l
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW010776.D
 Acq: 12 Jun 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 B-04-2.5-3.0RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.8	47.0	141.0
145	24.5	16.1	48.3

