

Data File : VW010644.D
Acq On : 31 May 2019 18:41
Operator : SY/VA
Sample : K3097-21
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0441-PR-4(PASSAIC)

Quant Time: Jun 01 04:53:15 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	132649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	224759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	64872	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.88	113	63358	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	10.32	98	270254	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	98169	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

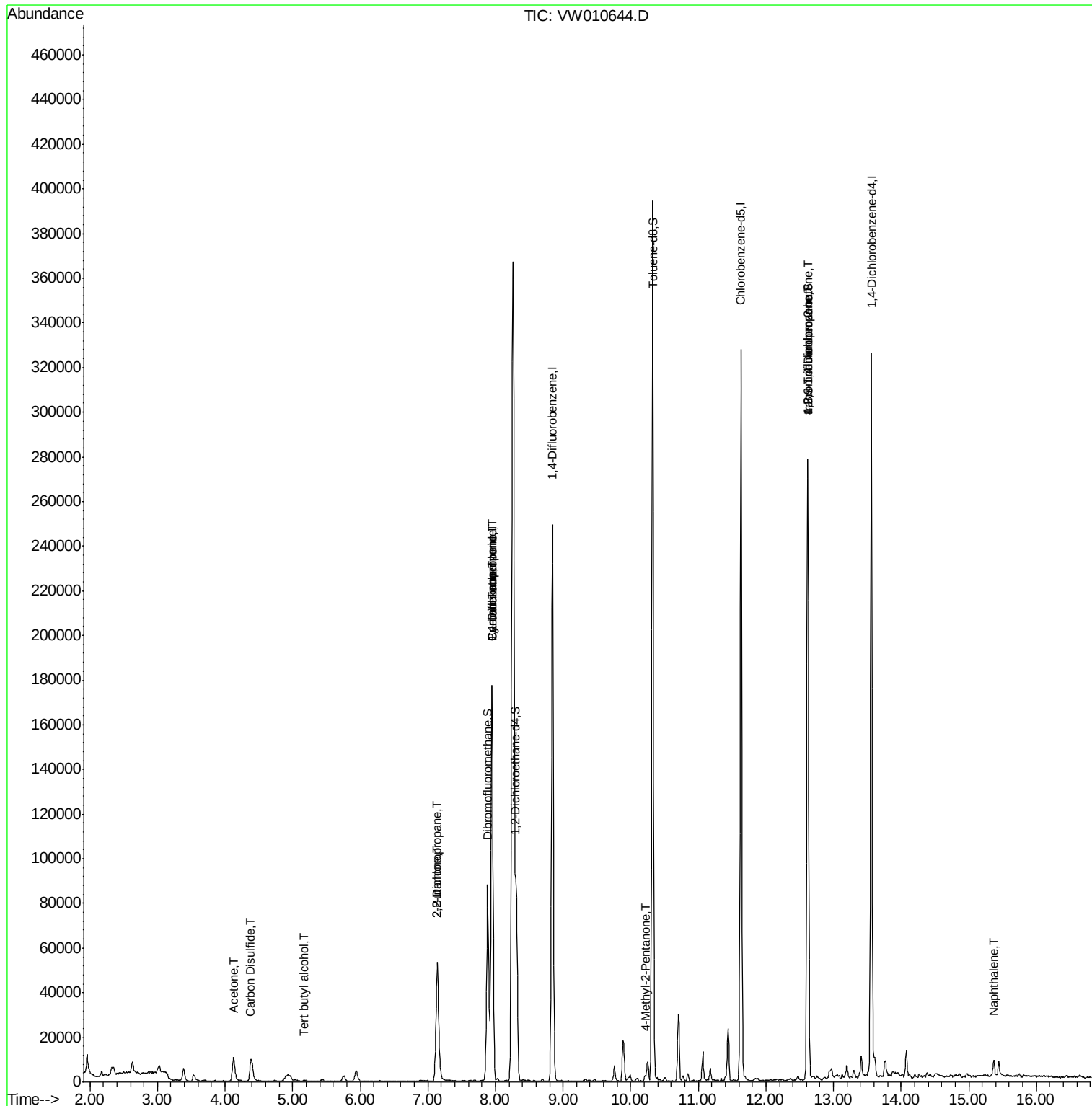
						Qvalue
2) Dichlorodifluoromethane	2.00	85	271	Below Cal	#	42
11) Tert butyl alcohol	5.18	59	925	7.511	ug/l #	71
16) Acetone	4.13	43	19067	68.224	ug/l	94
17) Carbon Disulfide	4.37	76	5962	1.427	ug/l	99
20) Methylene Chloride	4.91	84	1293	Below Cal	#	83
25) 2-Butanone	7.14	43	2293	5.733	ug/l #	71
26) 2,2-Dichloropropane	7.14	77	3694	1.563	ug/l #	52
31) Cyclohexane	7.95	56	2994	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9959	4.757	ug/l #	47
38) Carbon Tetrachloride	7.95	117	13496	5.975	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	1646	1.826	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	45109	50.664	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	45109	105.738	ug/l #	14
95) Naphthalene	15.37	128	6955	1.749	ug/l	97

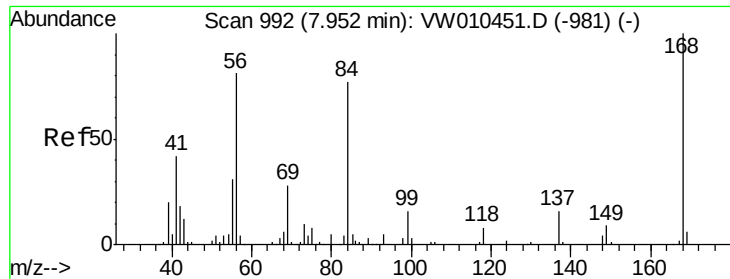
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010644.D
Acq On : 31 May 2019 18:41
Operator : SY/VA
Sample : K3097-21
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0441-PR-4(PASSAIC)

Quant Time: Jun 01 04:53:15 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

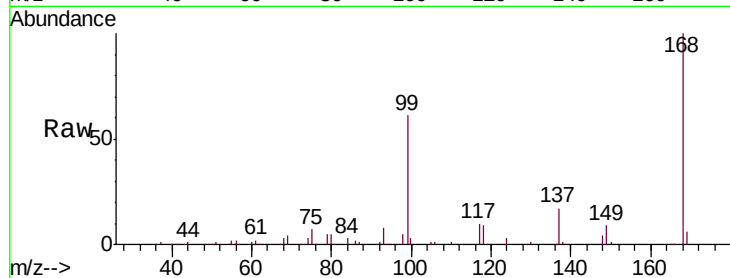
0441-PR-4(PASSAIC)

Tgt Ion:168 Resp: 132649

Ion Ratio Lower Upper

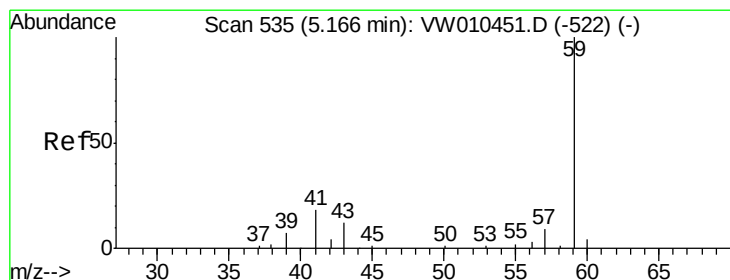
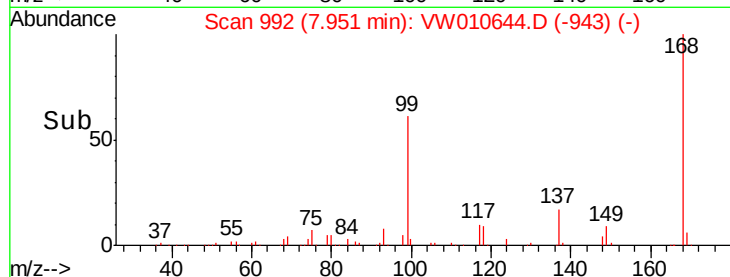
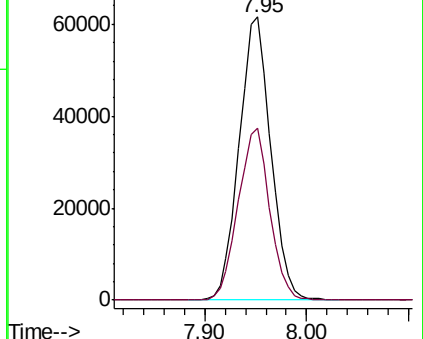
168 100

99 60.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.511 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010644.D

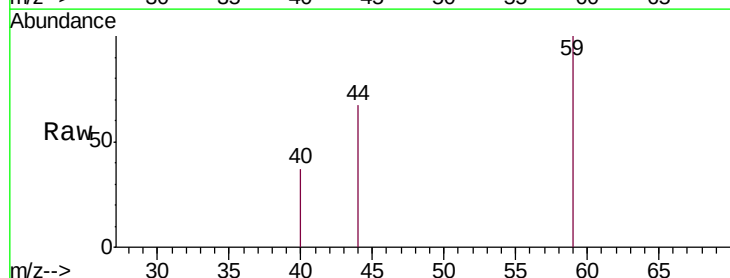
Acq: 31 May 2019 18:41

Tgt Ion: 59 Resp: 925

Ion Ratio Lower Upper

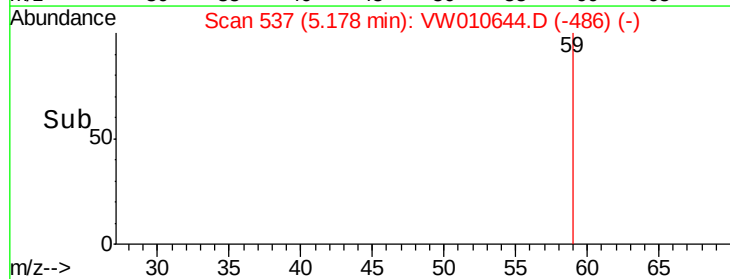
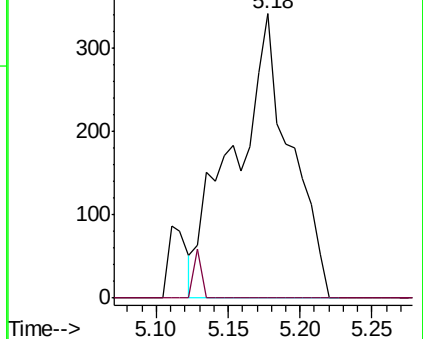
59 100

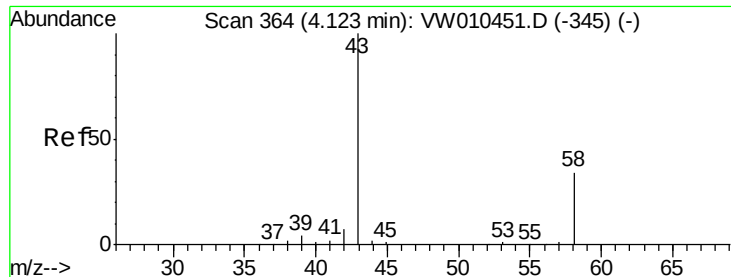
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 68.224 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

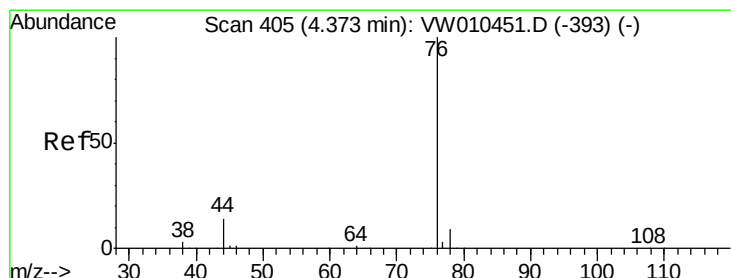
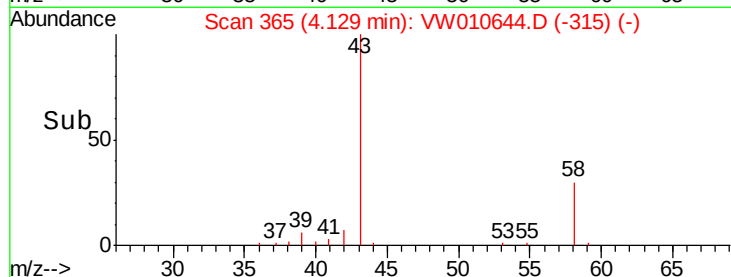
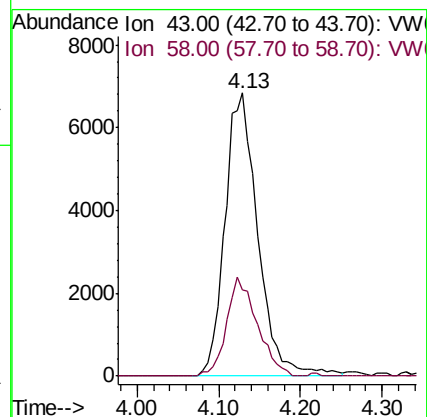
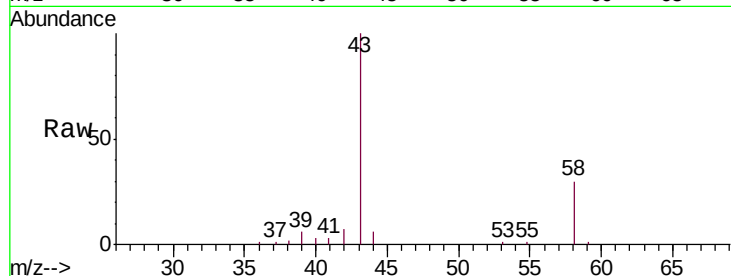
0441-PR-4(PASSAIC)

Tgt Ion: 43 Resp: 19067

Ion Ratio Lower Upper

43 100

58 30.3 27.0 40.4



#17

Carbon Disulfide

Concen: 1.427 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010644.D

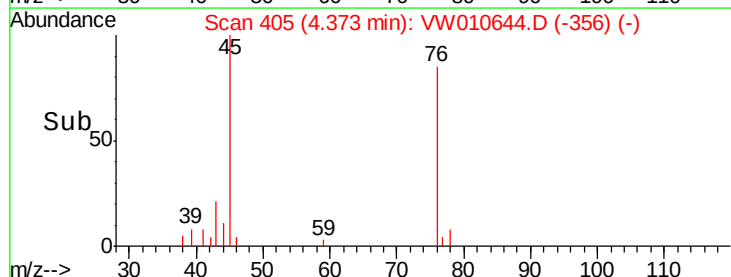
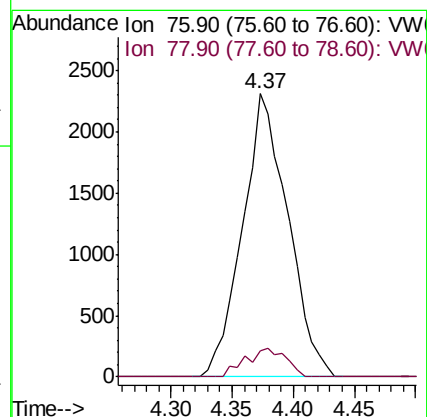
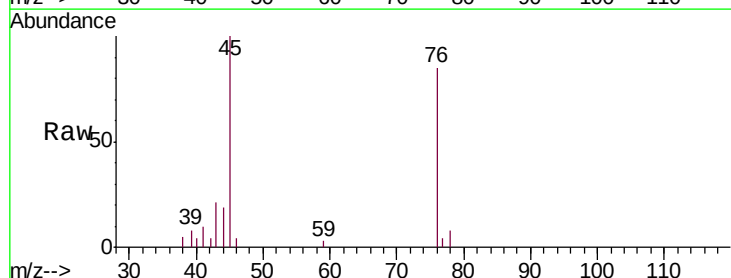
Acq: 31 May 2019 18:41

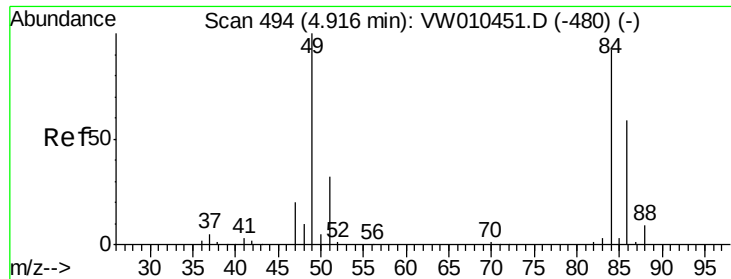
Tgt Ion: 76 Resp: 5962

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

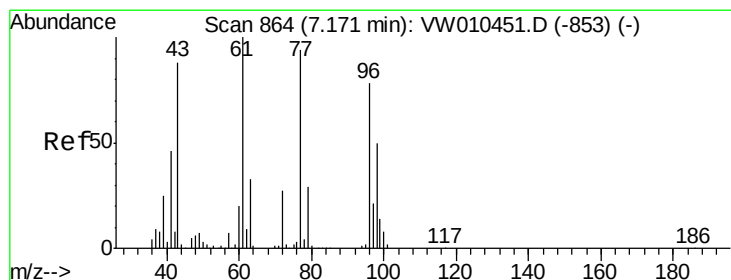
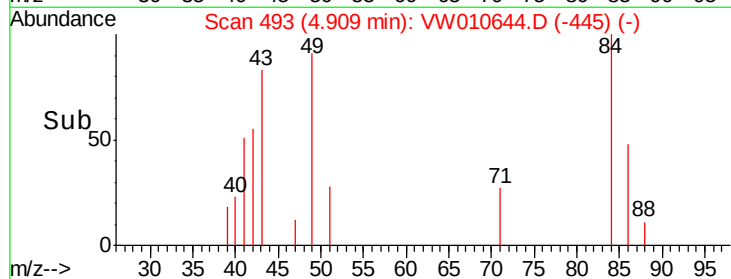
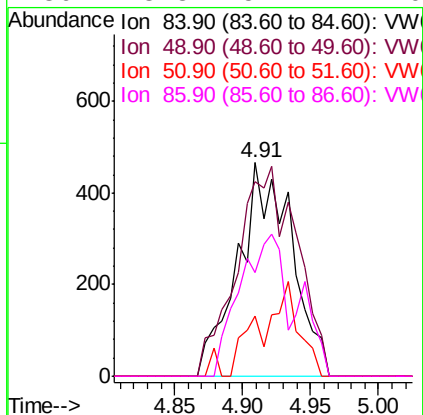
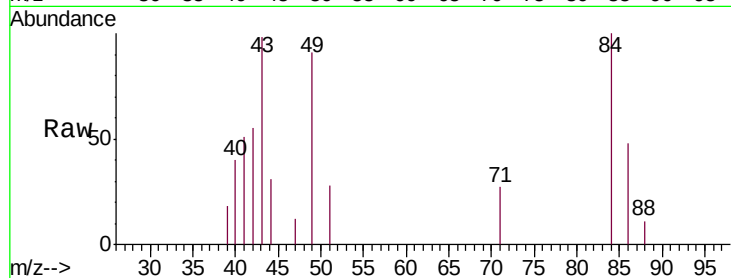




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010644.D
Acq: 31 May 2019 18:41

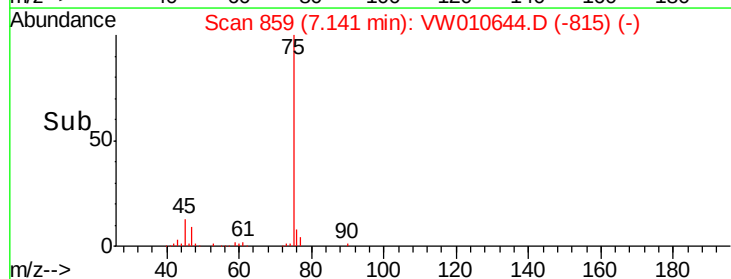
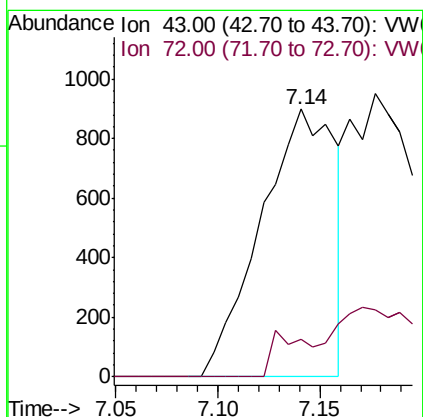
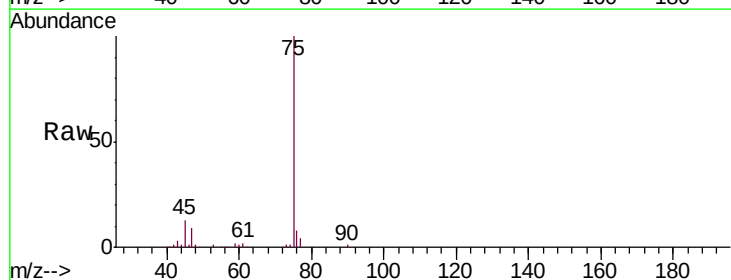
Instrument :
MSVOA_W
ClientSampleId :
0441-PR-4(PASSAIC)

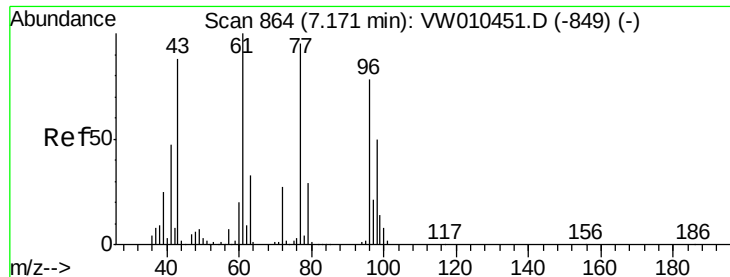
Tgt Ion: 84 Resp: 1293
Ion Ratio Lower Upper
84 100
49 91.0 87.2 130.8
51 28.3 27.7 41.5
86 48.3 51.4 77.0#



#25
2-Butanone
Concen: 5.733 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010644.D
Acq: 31 May 2019 18:41

Tgt Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
72 14.1 24.1 36.1#

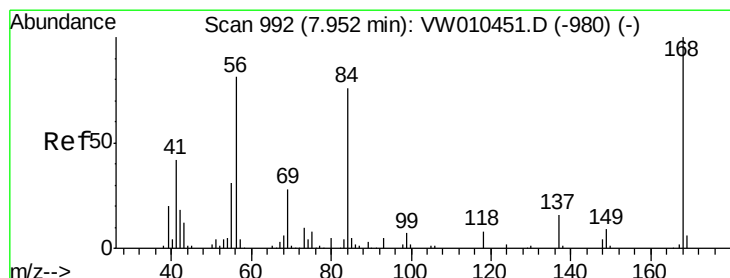
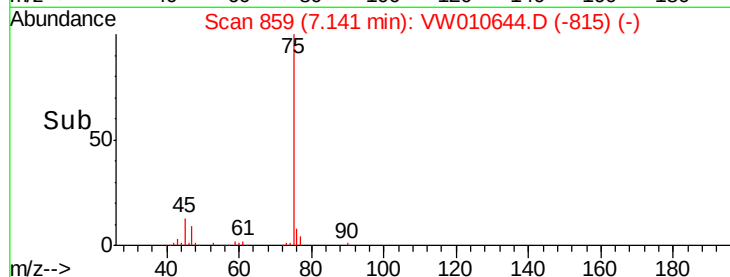
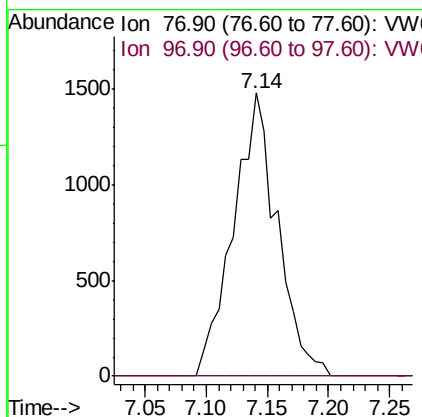
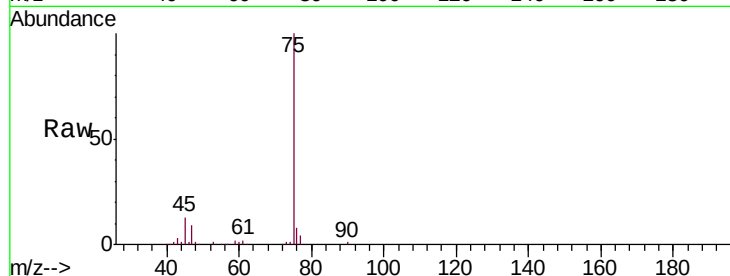




#26
 2,2-Dichloropropane
 Concen: 1.563 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

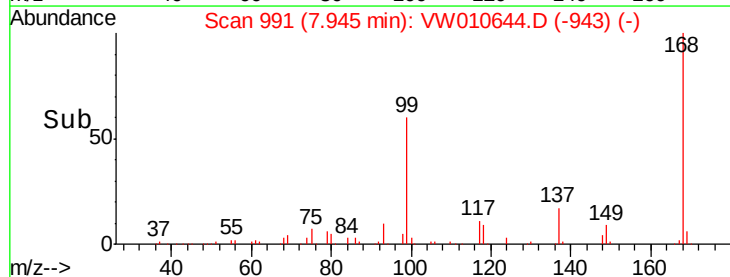
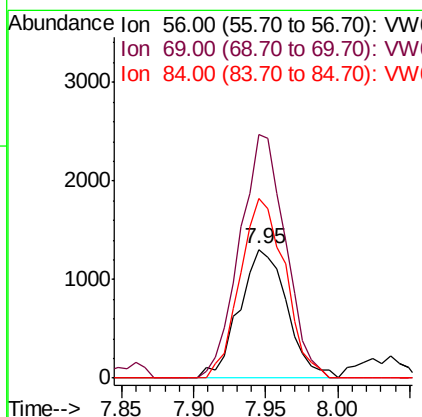
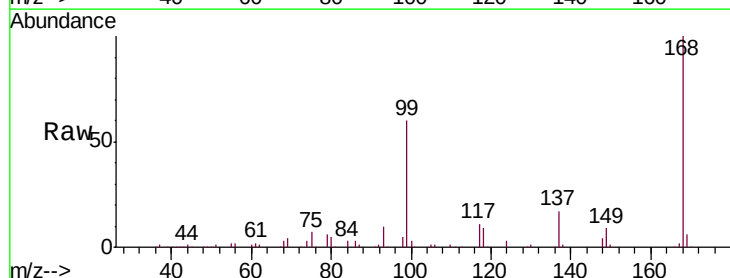
Instrument :
 MSVOA_W
 ClientSampleId :
 0441-PR-4(PASSAIC)

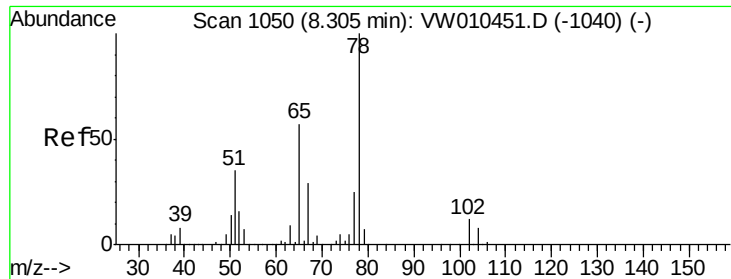
Tgt Ion: 77 Resp: 3694
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#31
 Cyclohexane
 Concen: 1.152 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

Tgt Ion: 56 Resp: 2994
 Ion Ratio Lower Upper
 56 100
 69 188.7 28.2 42.2#
 84 139.3 75.8 113.8#

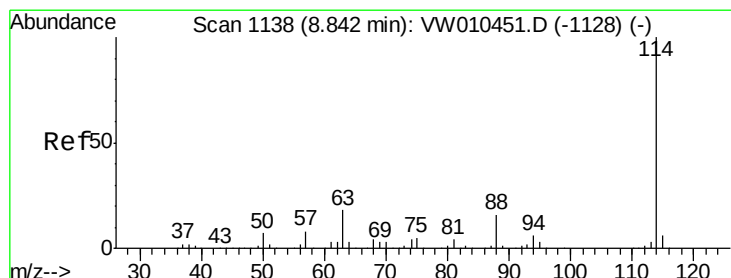
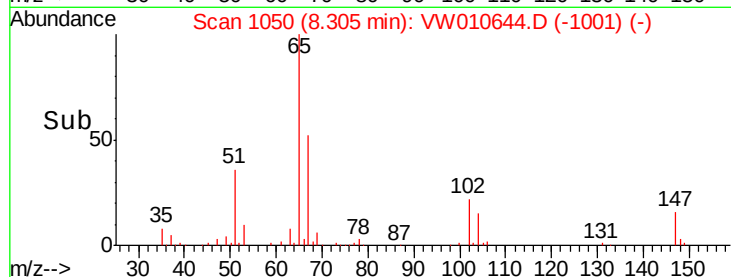
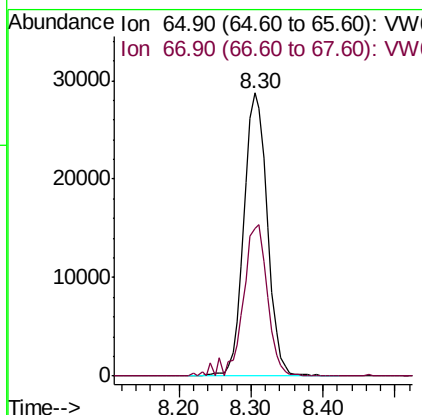
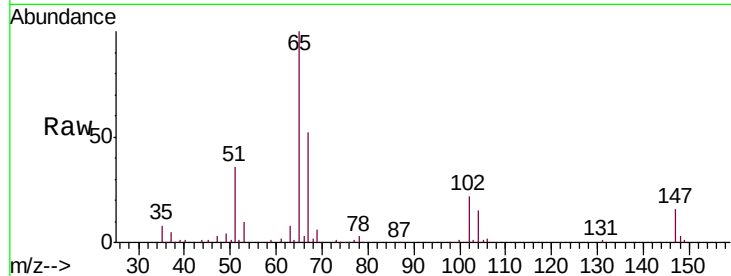




#33
 1,2-Dichloroethane-d4
 Concen: 47.381 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

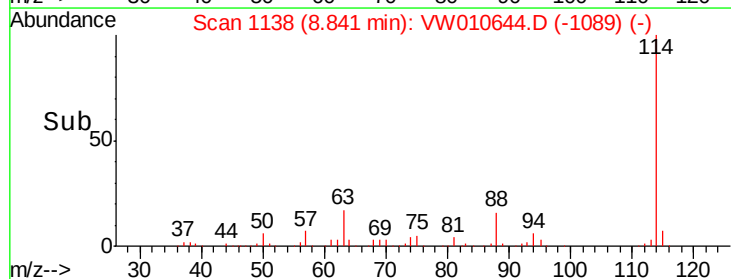
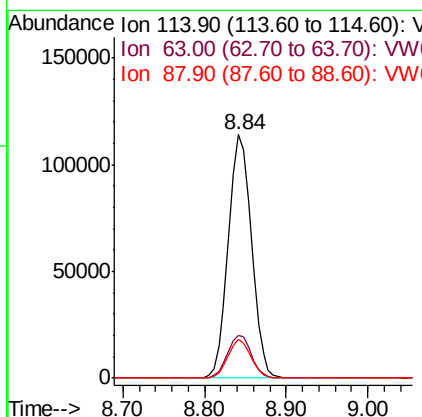
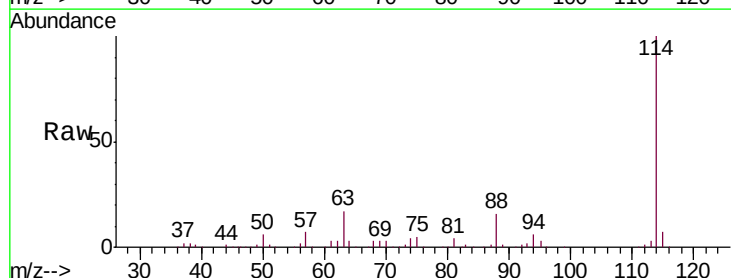
Instrument :
 MSVOA_W
 ClientSampleId :
 0441-PR-4(PASSAIC)

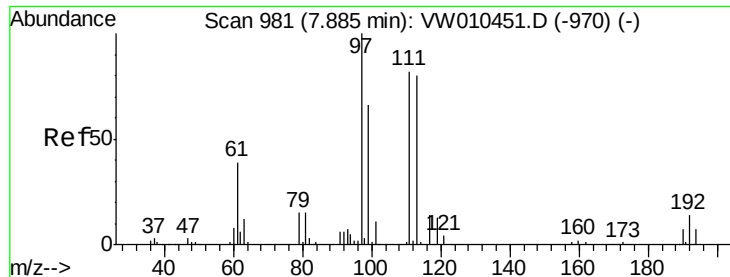
Tgt Ion: 65 Resp: 64872
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

Tgt Ion: 114 Resp: 224759
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.0
 88 15.9 0.0 32.0

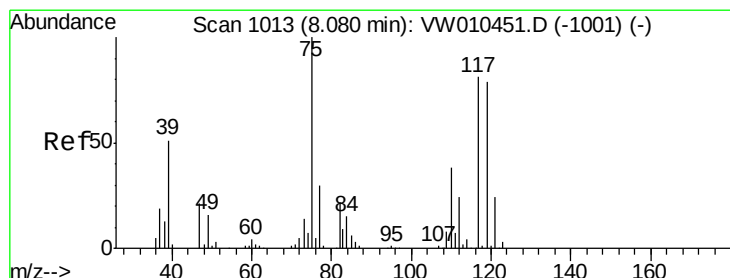
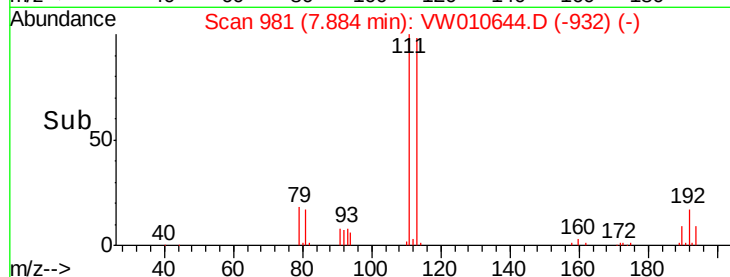
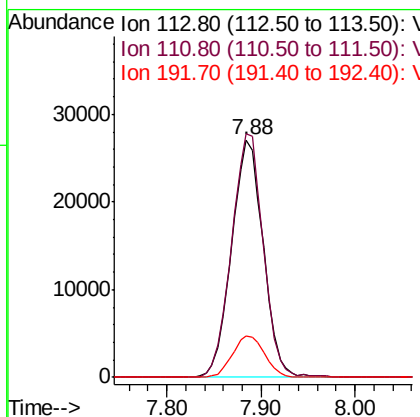
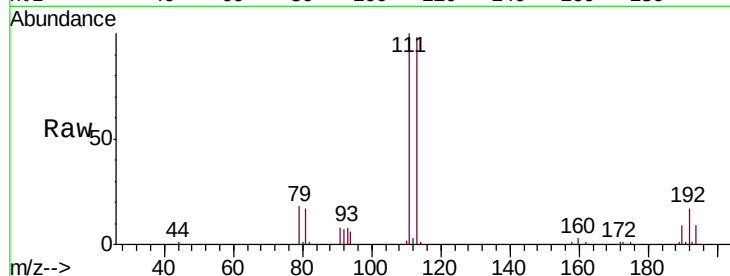




#35
 Dibromofluoromethane
 Concen: 46.457 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

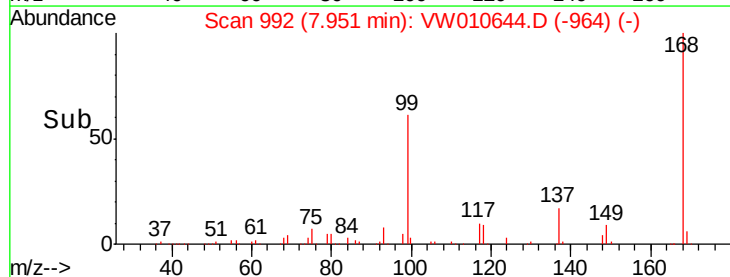
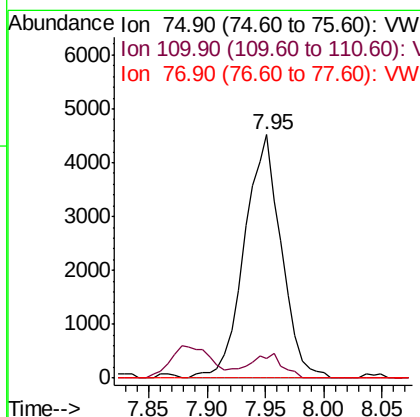
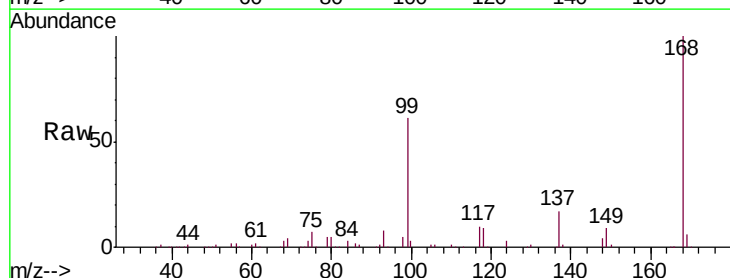
Instrument :
 MSVOA_W
 ClientSampleId :
 0441-PR-4(PASSAIC)

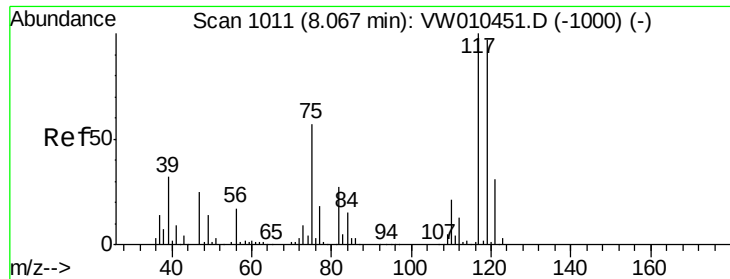
Tgt Ion:113 Resp: 63358
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 17.7 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010644.D
 Acq: 31 May 2019 18:41

Tgt Ion: 75 Resp: 9959
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.975 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

0441-PR-4(PASSAIC)

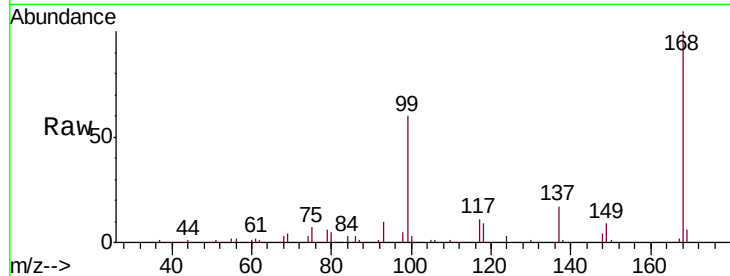
Tgt Ion: 117 Resp: 13496

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

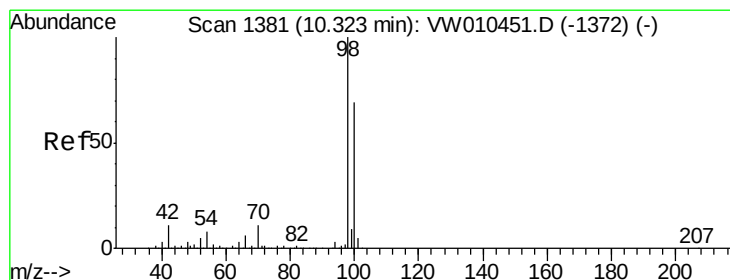
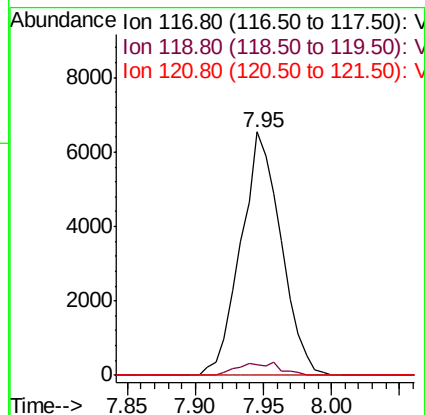
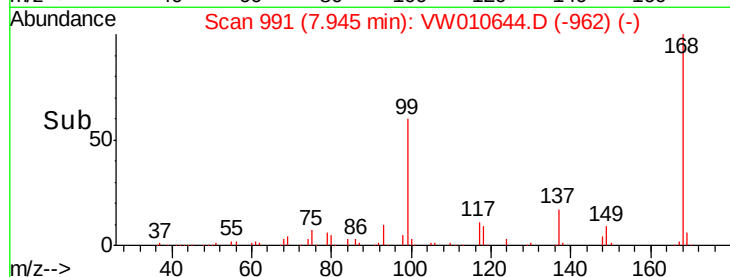
121 0.0 25.0 37.6#



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: 51.872 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010644.D

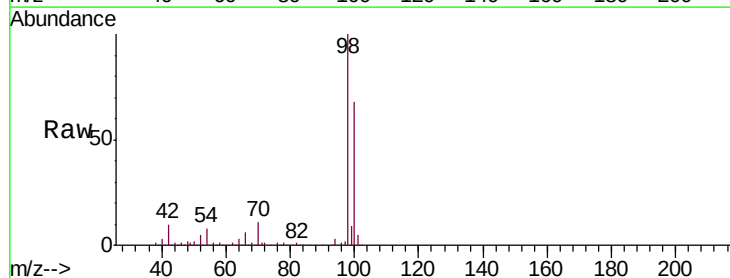
Acq: 31 May 2019 18:41

Tgt Ion: 98 Resp: 270254

Ion Ratio Lower Upper

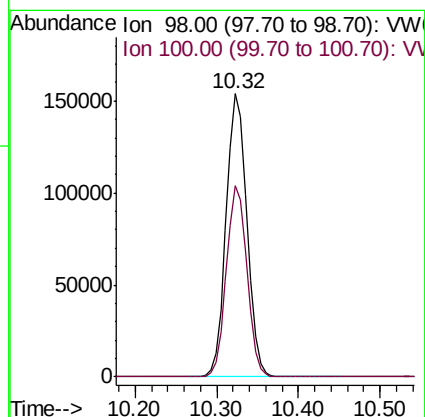
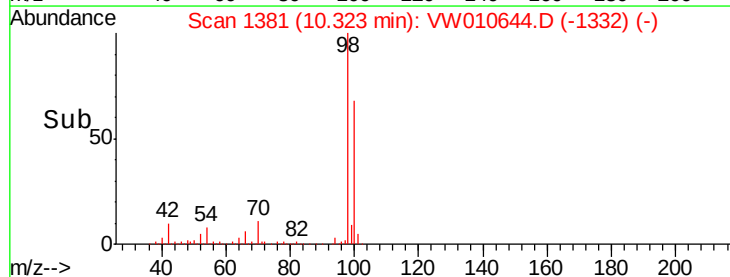
98 100

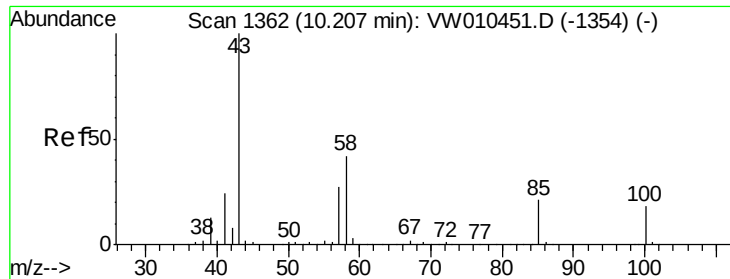
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.826 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

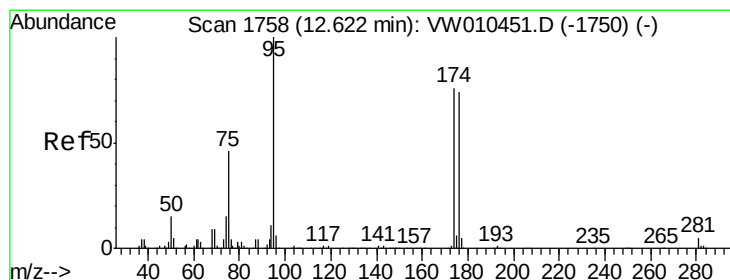
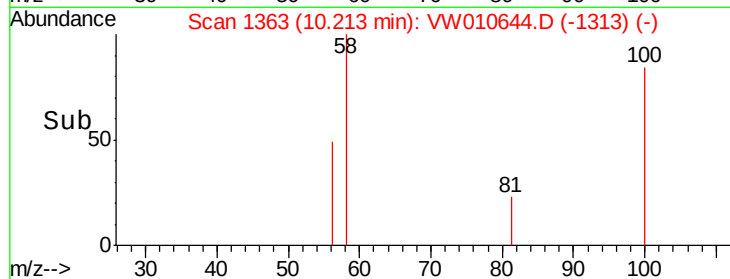
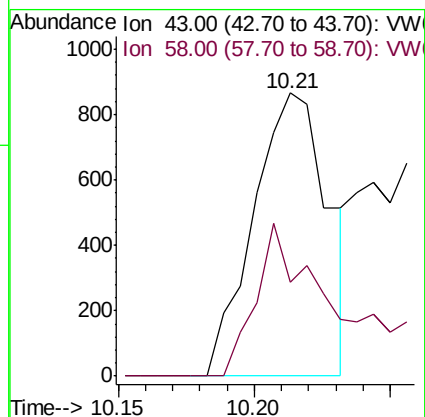
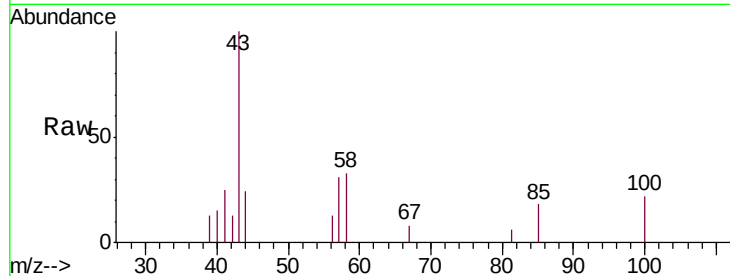
0441-PR-4(PASSAIC)

Tgt Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

58 57.7 33.2 49.8#



#62

4-Bromofluorobenzene

Concen: 47.305 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

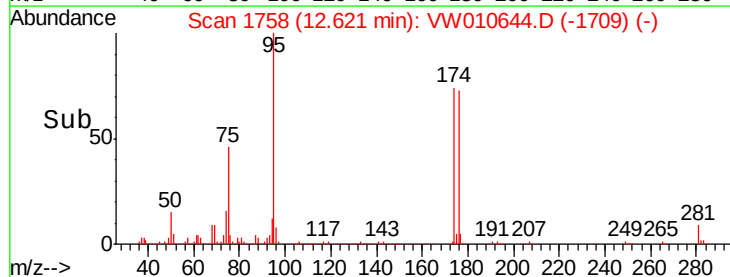
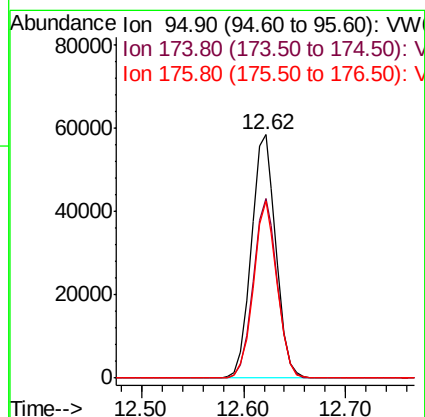
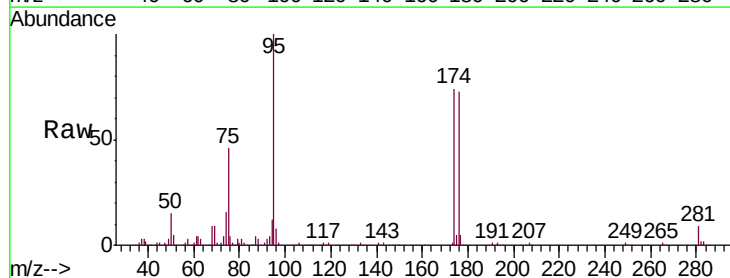
Tgt Ion: 95 Resp: 98169

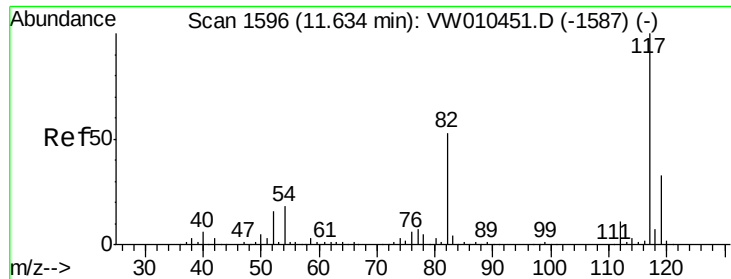
Ion Ratio Lower Upper

95 100

174 72.1 0.0 148.6

176 69.6 0.0 144.2

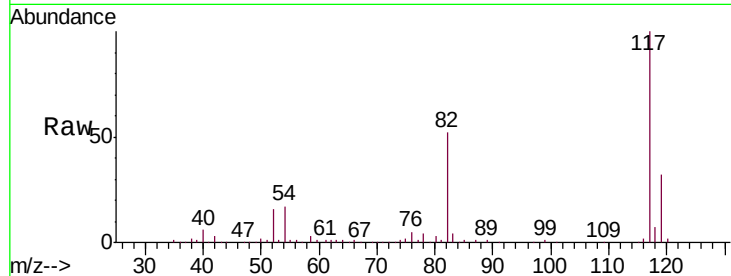




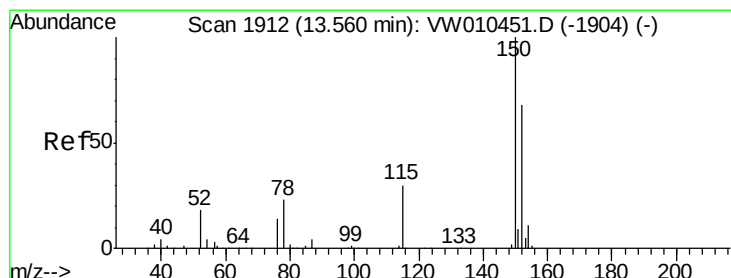
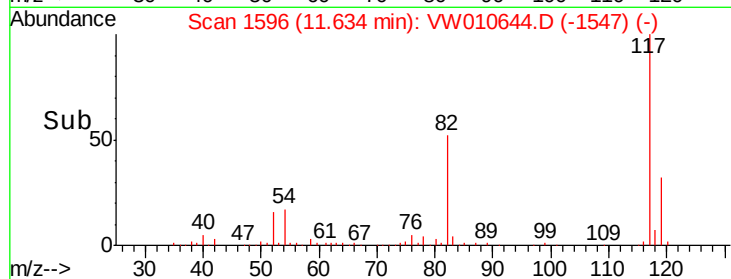
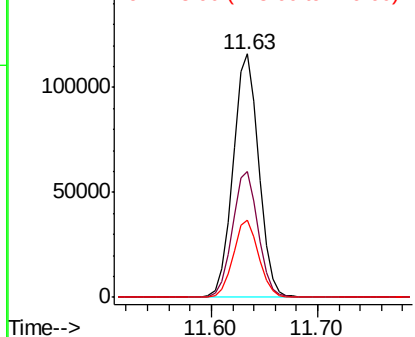
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010644.D
Acq: 31 May 2019 18:41

Instrument :
MSVOA_W
ClientSampleId :
0441-PR-4(PASSAIC)

Tgt Ion:117 Resp: 196039
Ion Ratio Lower Upper
117 100
82 51.6 42.8 64.2
119 31.7 26.3 39.5

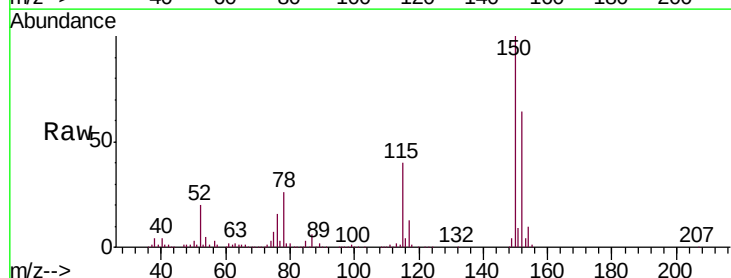


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

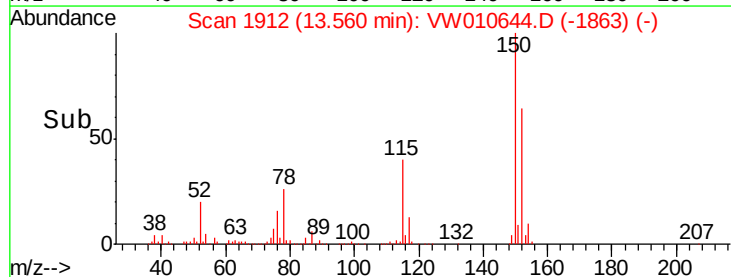
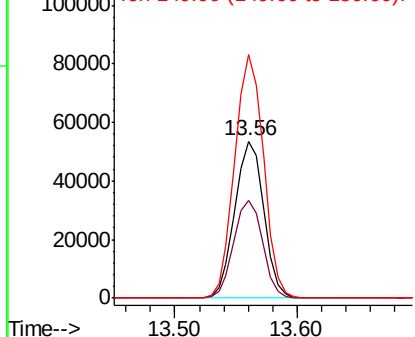


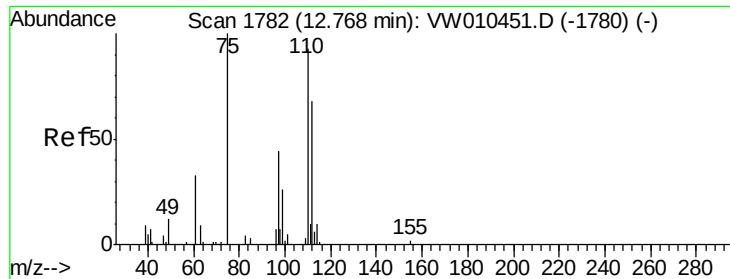
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010644.D
Acq: 31 May 2019 18:41

Tgt Ion:152 Resp: 87714
Ion Ratio Lower Upper
152 100
115 62.4 30.3 91.0
150 154.4 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: 50.664 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

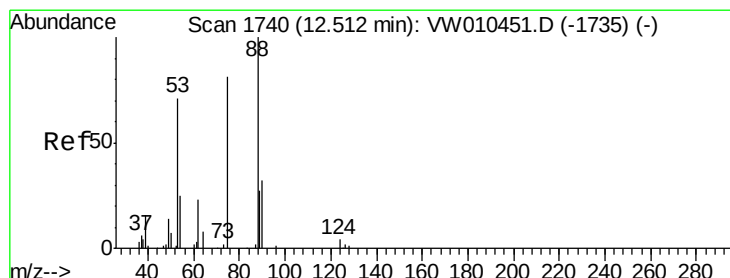
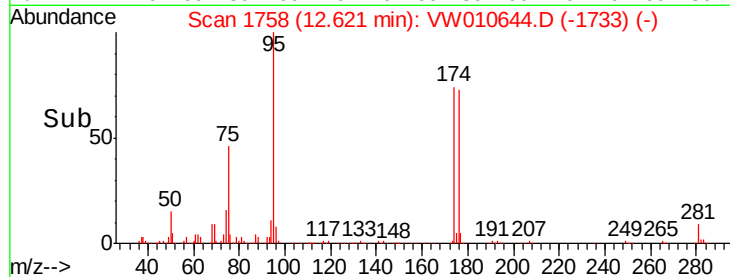
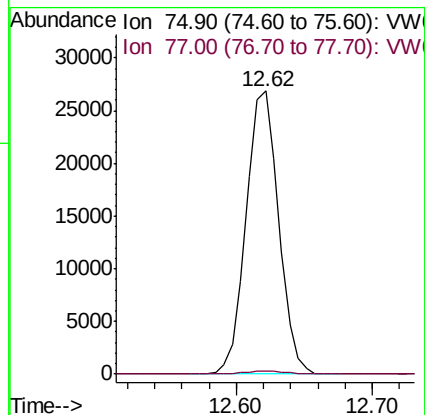
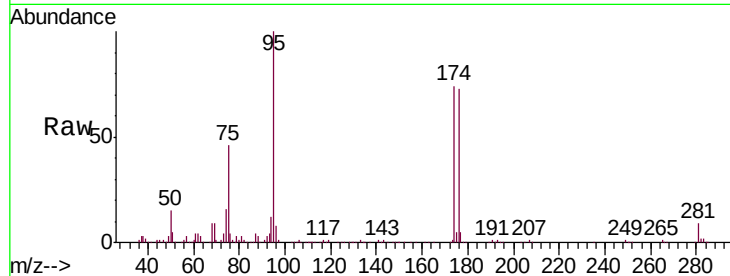
0441-PR-4(PASSAIC)

Tgt Ion: 75 Resp: 45109

Ion Ratio Lower Upper

75 100

77 1.4 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.738 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010644.D

Acq: 31 May 2019 18:41

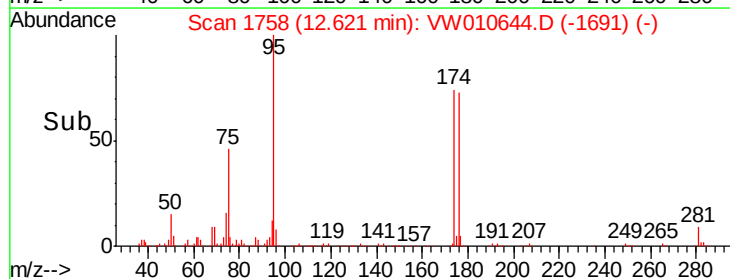
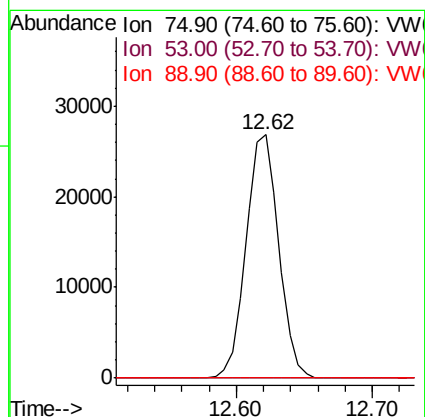
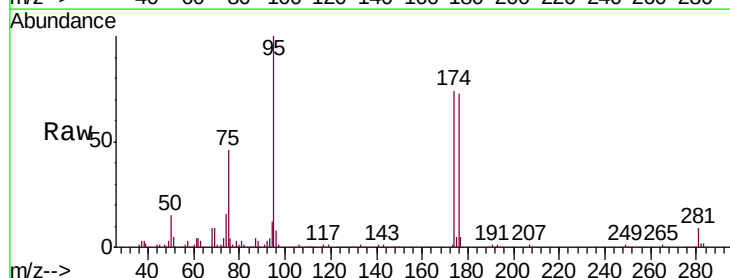
Tgt Ion: 75 Resp: 45109

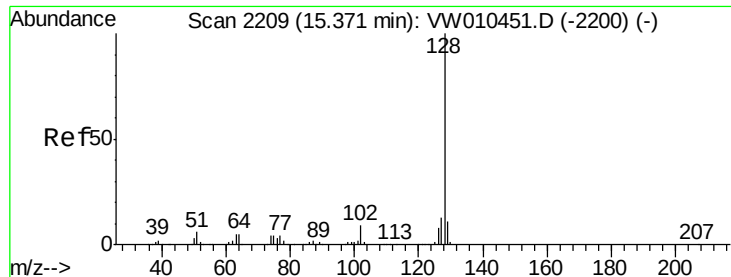
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 1.749 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010644.D

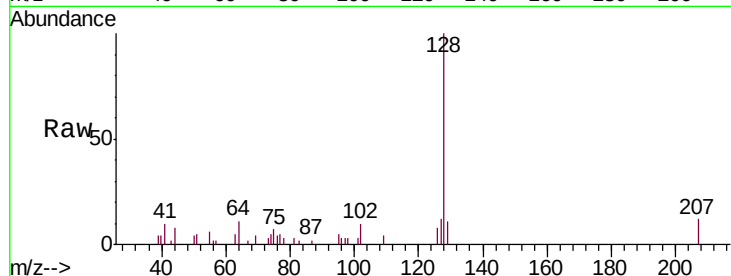
Acq: 31 May 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

0441-PR-4(PASSAIC)



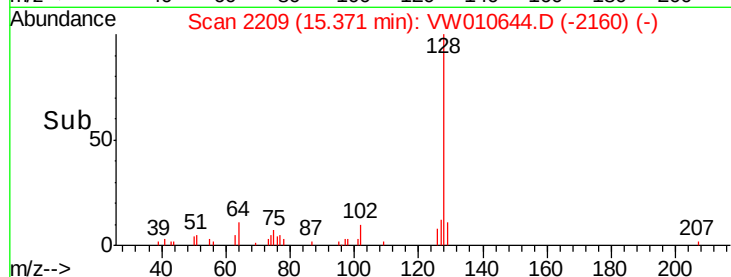
Tgt Ion:128 Resp: 6955

Ion Ratio Lower Upper

128 100

127 12.5 10.6 15.8

129 12.5 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

