

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003573.D
 Acq On : 20 Nov 2020 17:18
 Operator : SY/MD
 Sample : L4836-05
 Misc : 5.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 01:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:00:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	91839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	211403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	180442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	52798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	75846	79.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.08%
35) Dibromofluoromethane	7.72	113	76449	55.01	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.02%
50) Toluene-d8	10.17	98	261468	48.39	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.78%
62) 4-Bromofluorobenzene	12.48	95	60760	35.43	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.86%

Target Compounds

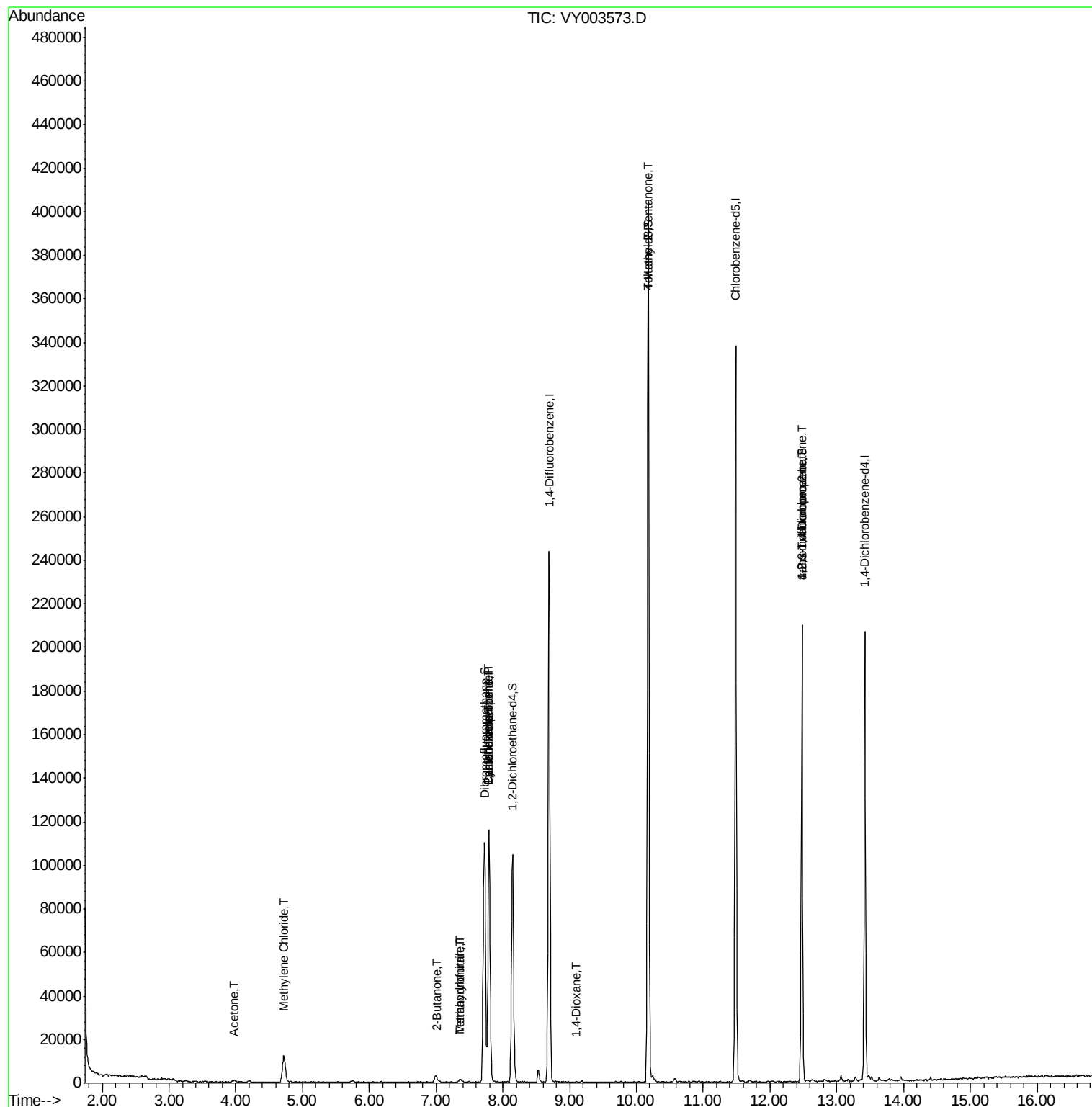
					Qvalue	
16) Acetone	3.97	43	1536	4.824	ug/l #	71
20) Methylene Chloride	4.72	84	9372	3.787	ug/l	90
25) 2-Butanone	7.00	43	416	1.007	ug/l #	50
29) Tetrahydrofuran	7.36	42	1211	5.595	ug/l #	77
31) Cyclohexane	7.79	56	2042	1.481	ug/l #	25
36) 1,1-Dichloropropene	7.79	75	6692	3.215	ug/l #	49
38) Carbon Tetrachloride	7.79	117	8680	4.502	ug/l #	16
41) Methacrylonitrile	7.36	41	808	1.090	ug/l #	24
49) 1,4-Dioxane	9.10	88	23	2.305	ug/l #	18
51) 4-Methyl-2-Pentanone	10.17	43	1239	1.123	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	31185	60.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	31185	96.851	ug/l #	14

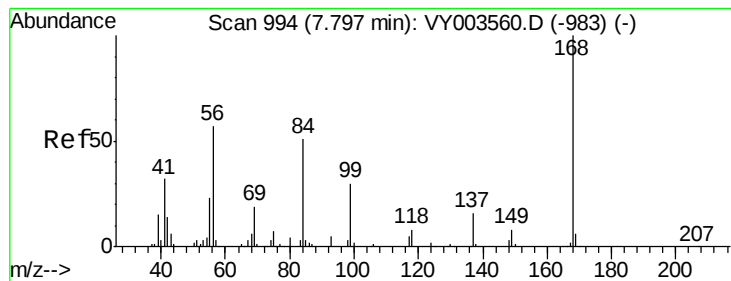
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

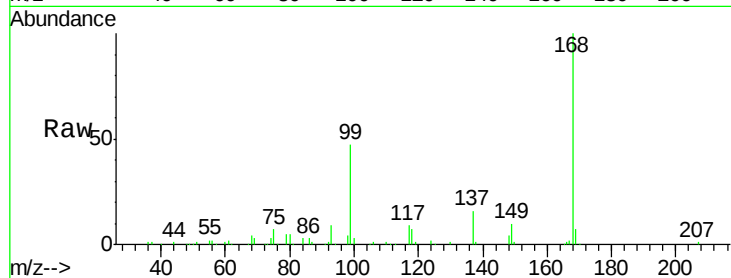
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 91839

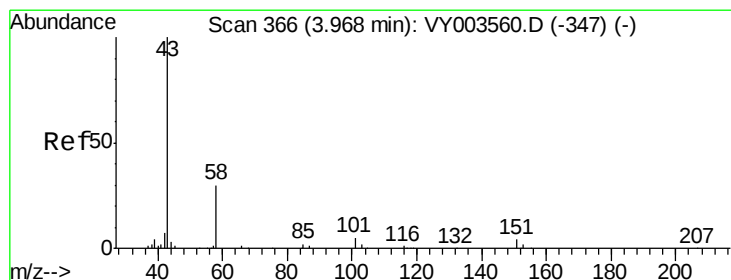
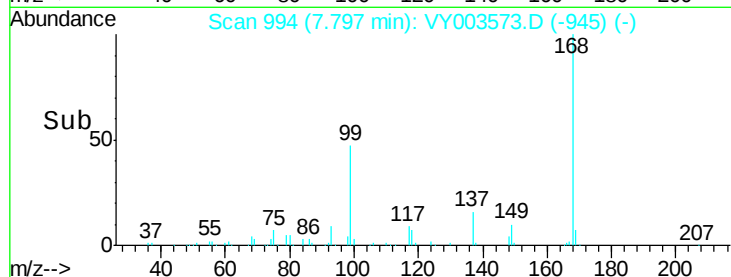
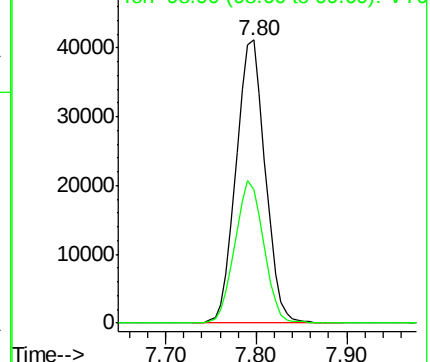
Ion Ratio Lower Upper

168 100

99 47.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)



#16

Acetone

Concen: 4.824 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY003573.D

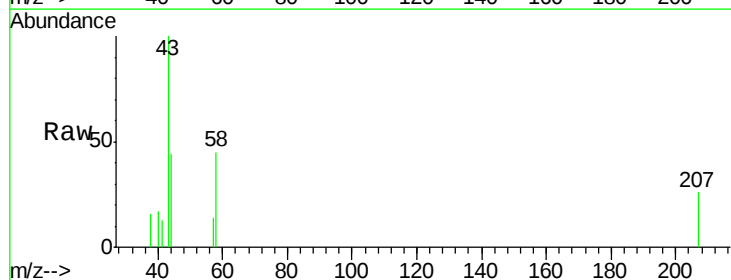
Acq: 20 Nov 2020 17:18

Tgt Ion: 43 Resp: 1536

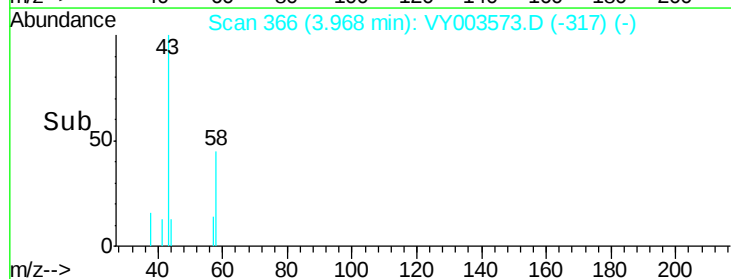
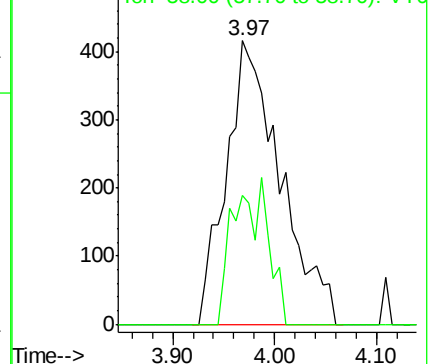
Ion Ratio Lower Upper

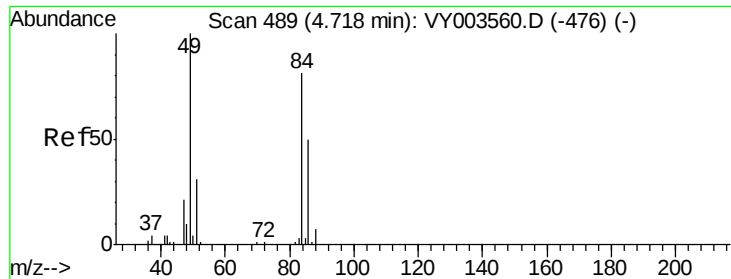
43 100

58 45.4 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY003560.D (-347) (-)

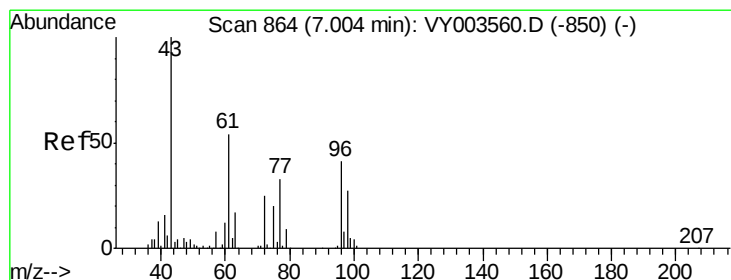
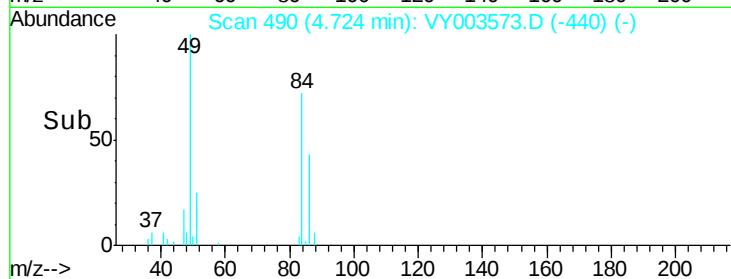
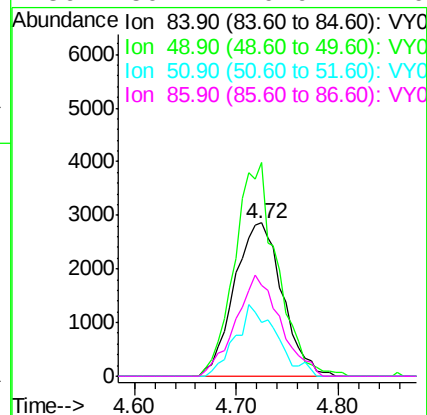
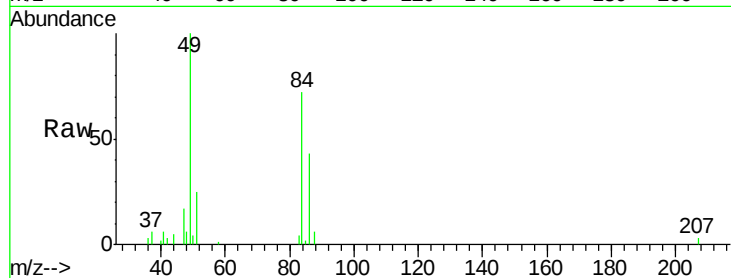




#20
Methvlene Chloride
Concen: 3.787 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY003573.D
Acq: 20 Nov 2020 17:18

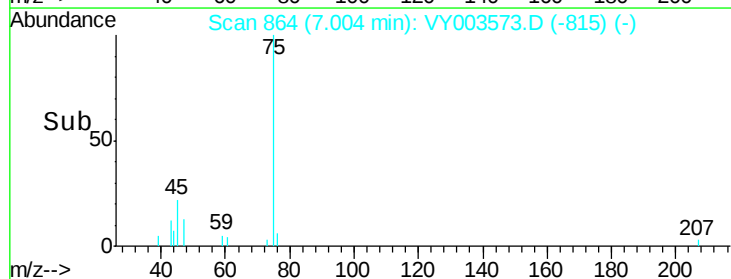
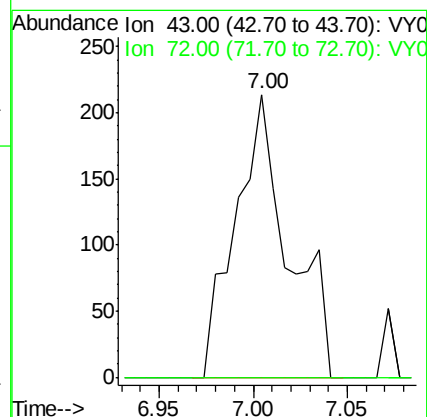
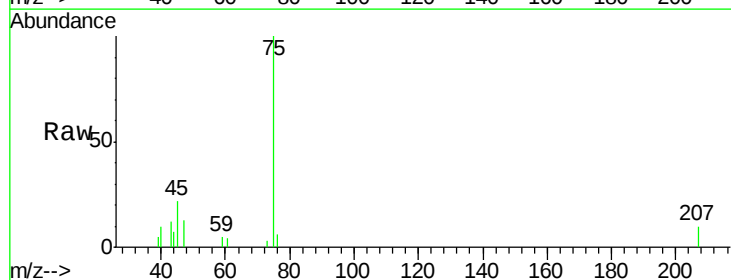
Instrument :
MSVOA_Y
ClientSampleId :

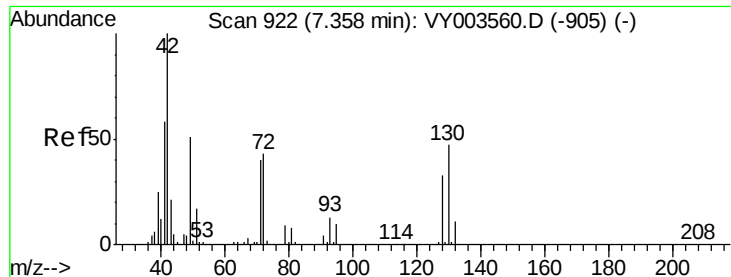
Tot Ion: 84 Resp: 9372
Ion Ratio Lower Upper
84 100
49 139.4 99.0 148.6
51 34.8 30.5 45.7
86 59.7 49.9 74.9



#25
2-Butanone
Concen: 1.007 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY003573.D
Acq: 20 Nov 2020 17:18

Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#

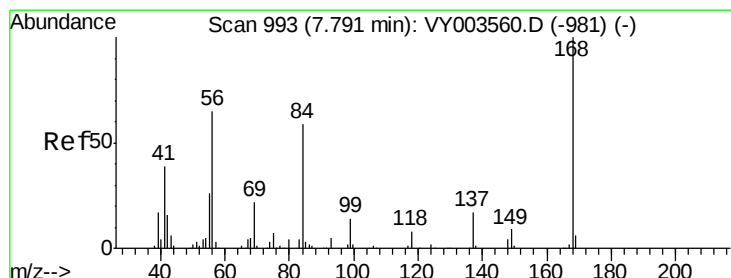
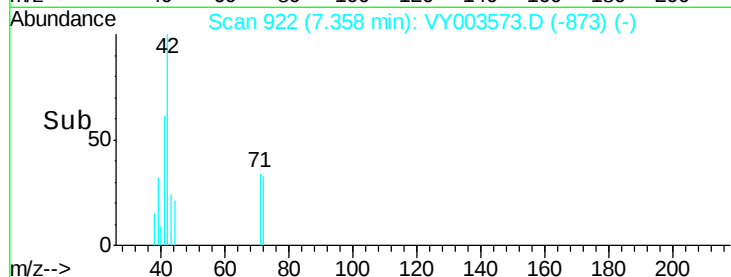
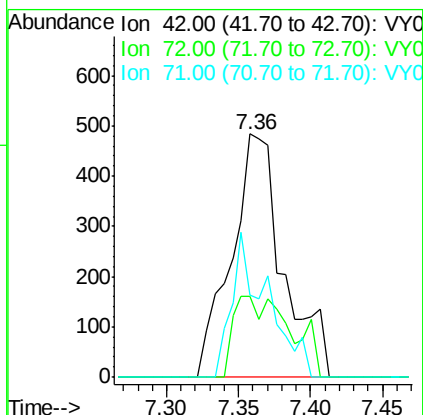
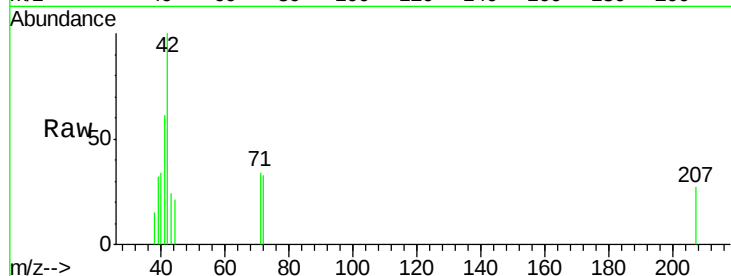




#29
Tetrahydrofuran
Concen: 5.595 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003573.D
Acq: 20 Nov 2020 17:18

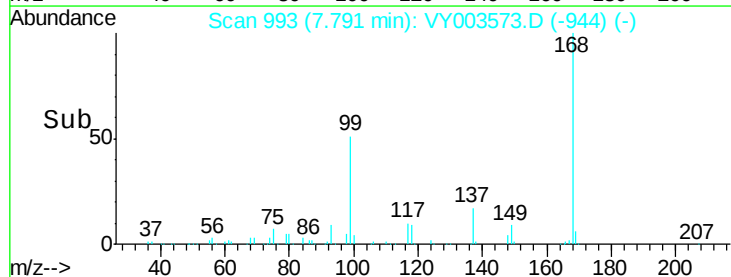
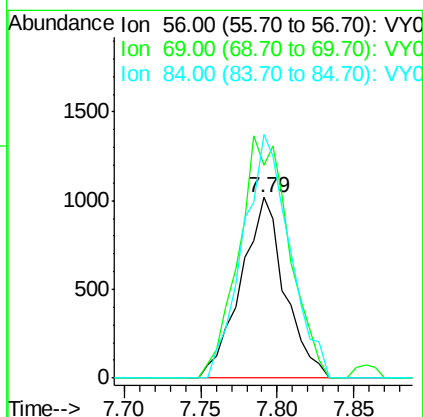
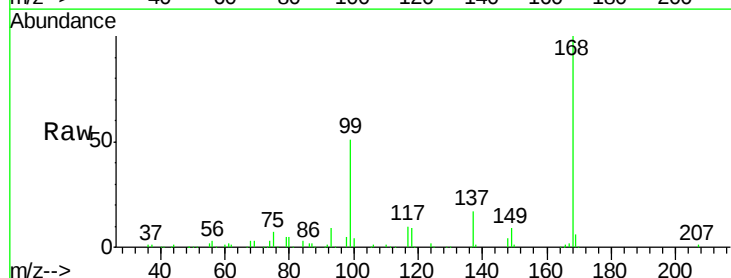
Instrument :
MSVOA_Y
ClientSampleId :

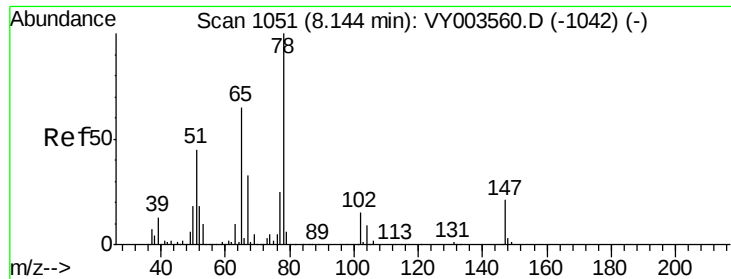
Tot Ion: 42 Resp: 1211
Ion Ratio Lower Upper
42 100
72 16.8 32.6 49.0#
71 41.4 30.2 45.2



#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003573.D
Acq: 20 Nov 2020 17:18

Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 117.9 27.0 40.6#
84 134.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 79.537 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

Instrument :

MSVOA_Y

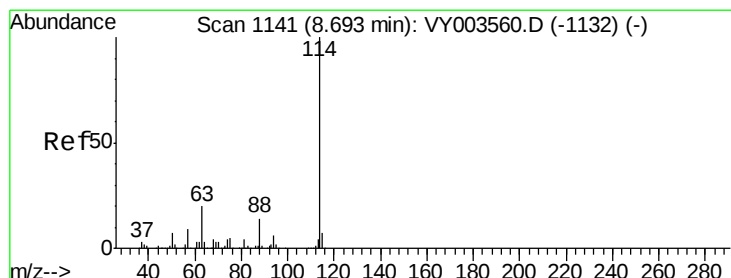
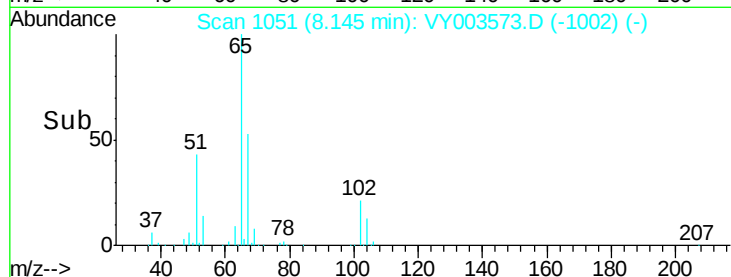
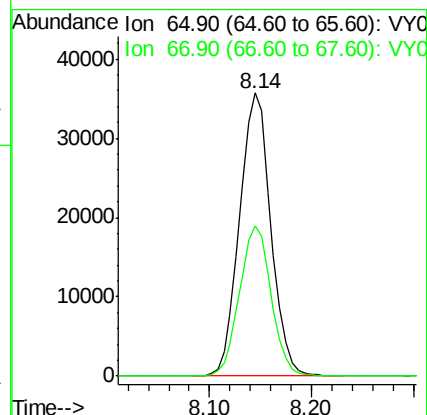
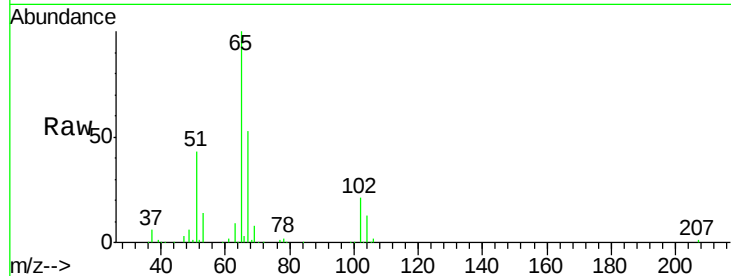
ClientSampleId :

Tot Ion: 65 Resp: 75846

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

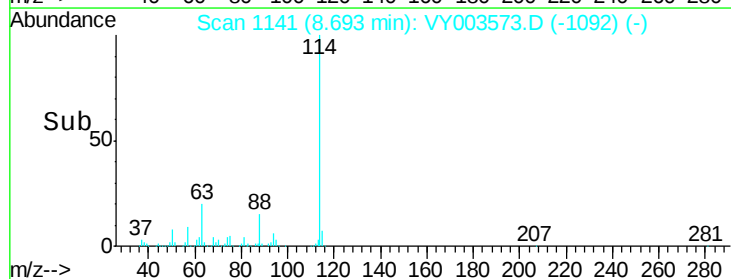
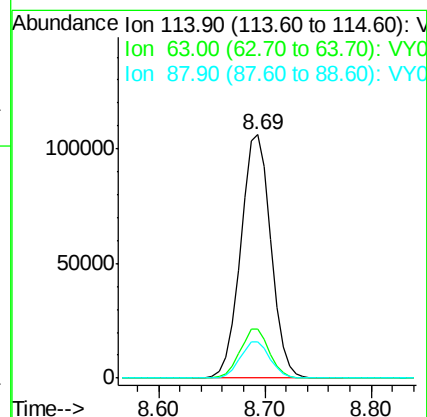
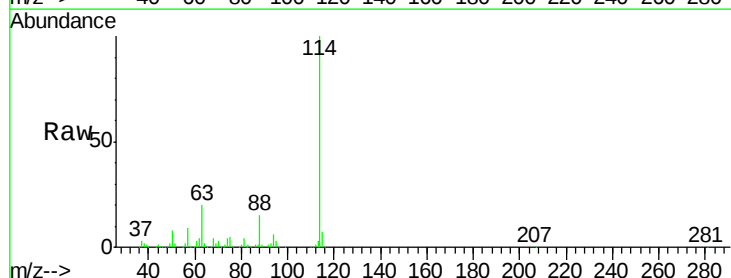
Tgt Ion: 114 Resp: 211403

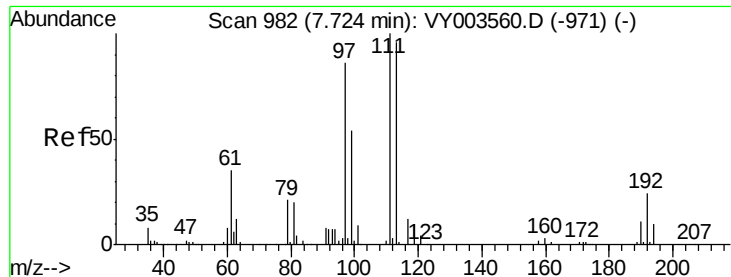
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 14.7 0.0 29.0

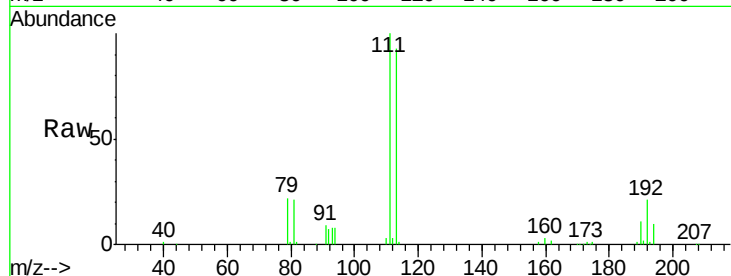




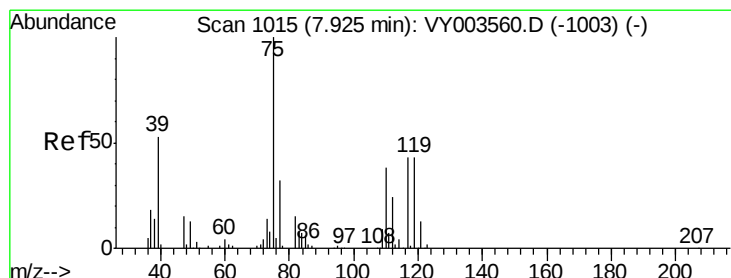
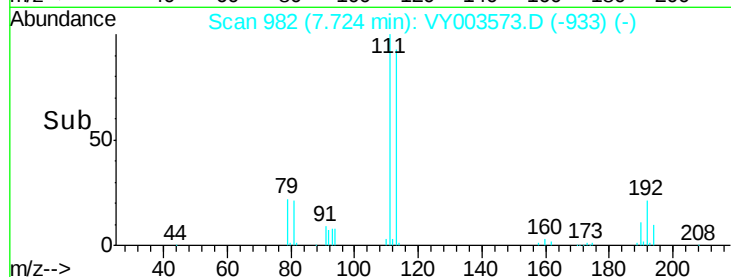
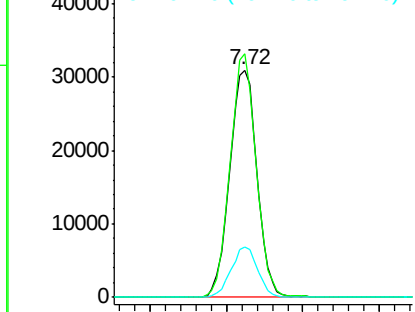
#35
 Dibromofluoromethane
 Concen: 55.014 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 76449
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 21.6 18.1 27.1

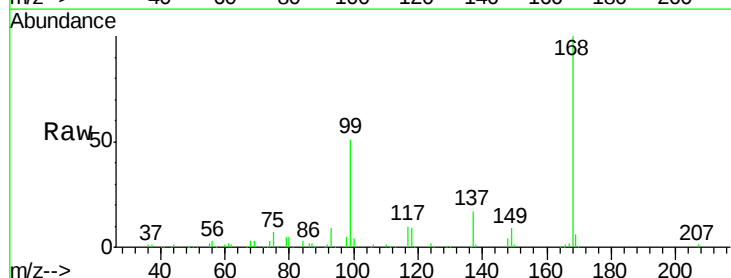


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

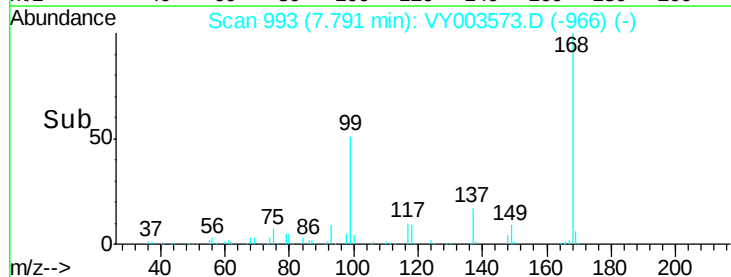
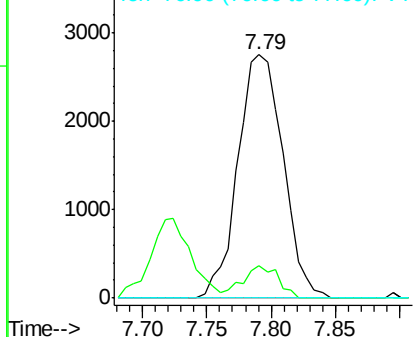


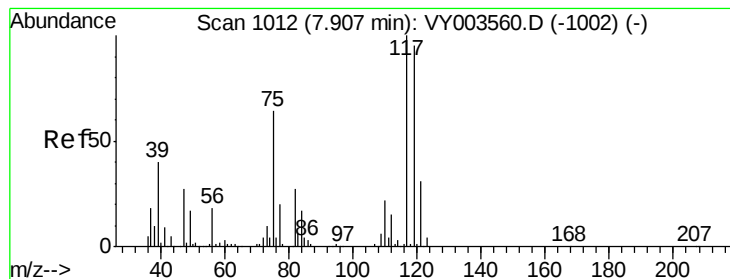
#36
 1,1-Dichloropropene
 Concen: 3.215 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Tgt Ion: 75 Resp: 6692
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.7 56.1#
 77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 4.502 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

Instrument :

MSVOA_Y

ClientSampled :

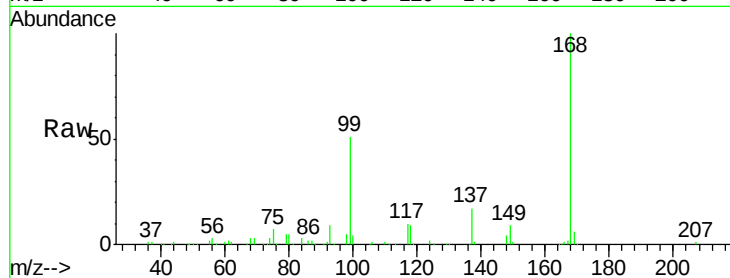
Tot Ion:117 Resp: 8680

Ion Ratio Lower Upper

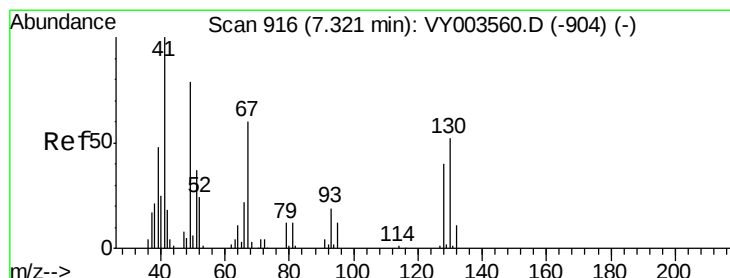
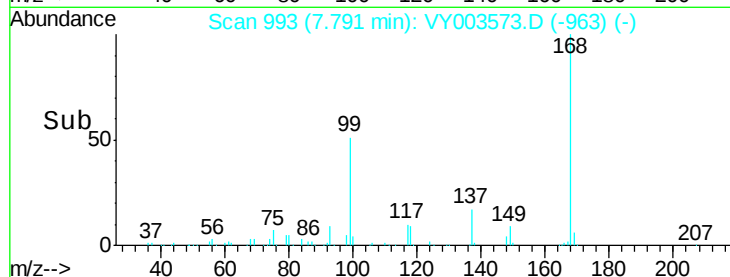
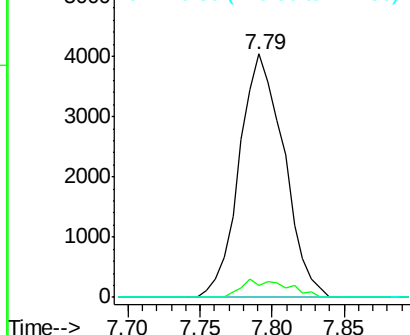
117 100

119 4.9 76.3 114.5#

121 0.0 25.1 37.7#



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



#41

Methacrylonitrile

Concen: 1.090 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.04 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

Tgt Ion: 41 Resp: 808

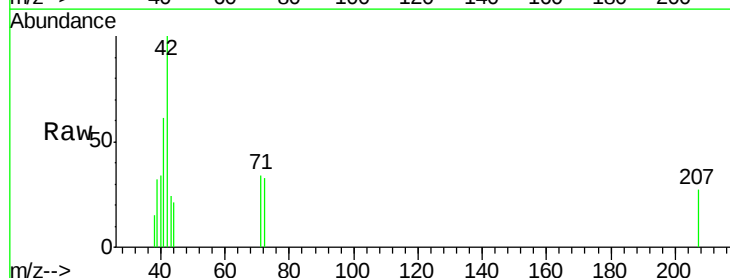
Ion Ratio Lower Upper

41 100

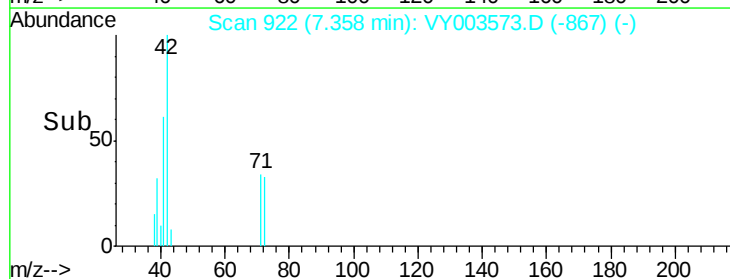
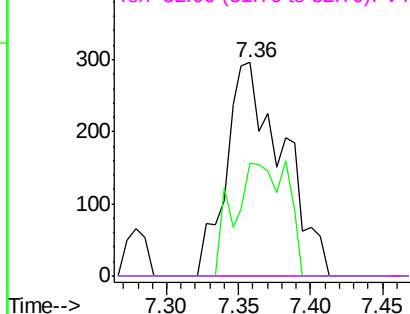
39 0.0 41.4 62.0#

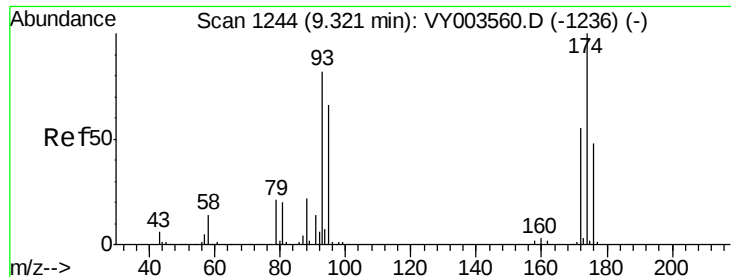
67 0.0 57.2 85.8#

52 0.0 23.6 35.4#



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

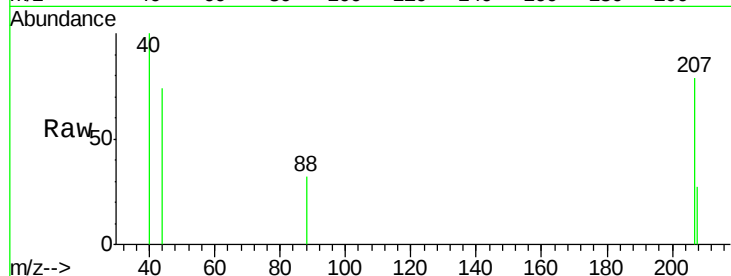




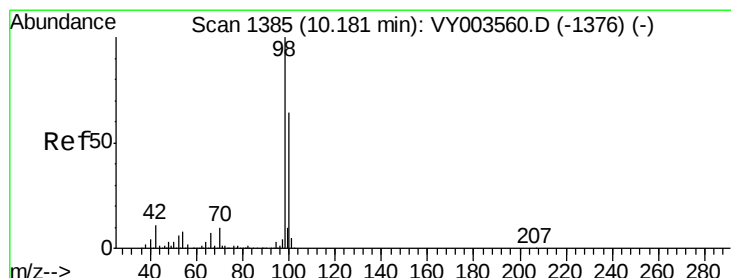
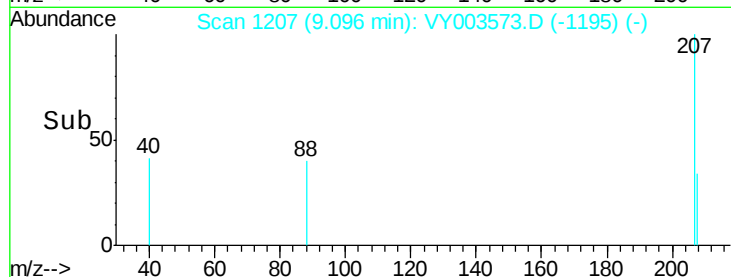
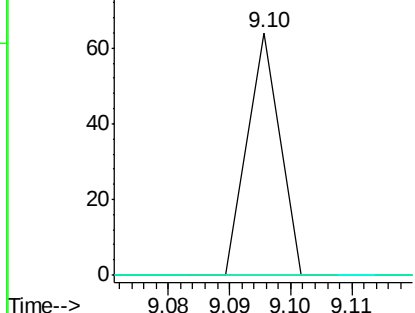
#49
 1,4-Dioxane
 Concen: 2.305 ug/l
 RT: 9.10 min Scan# 1207
 Delta R.T. -0.23 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 0.0 50.9 76.3#

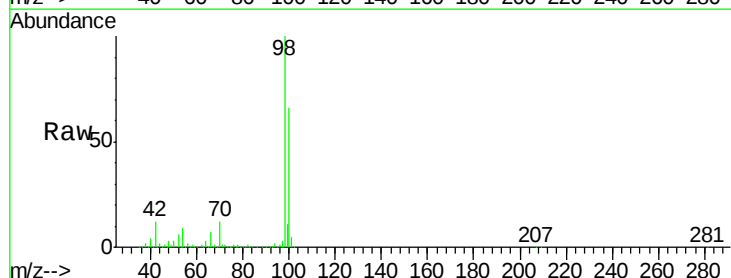


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

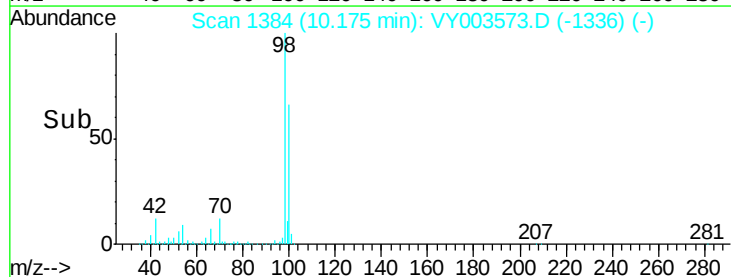
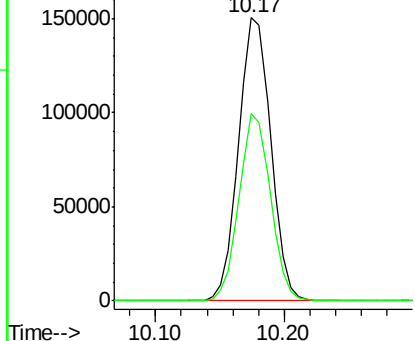


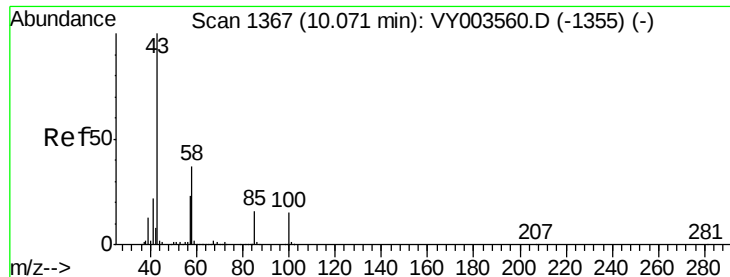
#50
 Toluene-d8
 Concen: 48.388 ug/l
 RT: 10.17 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Tgt Ion: 98 Resp: 261468
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 1.123 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

Instrument :

MSVOA_Y

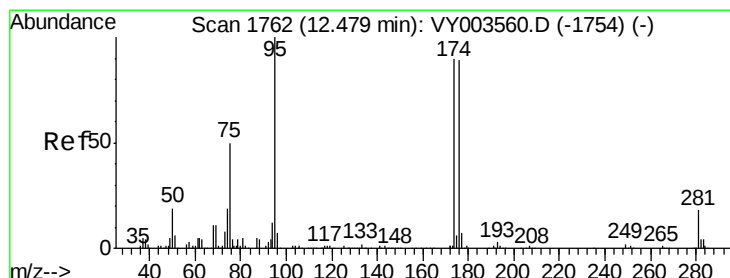
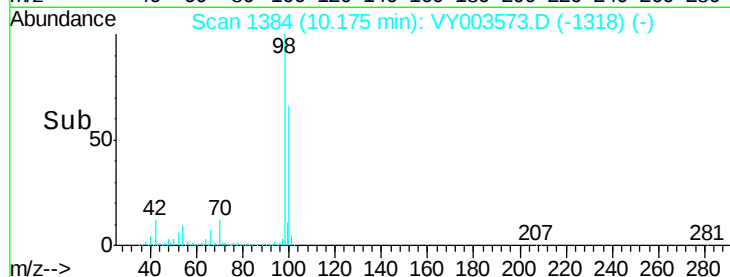
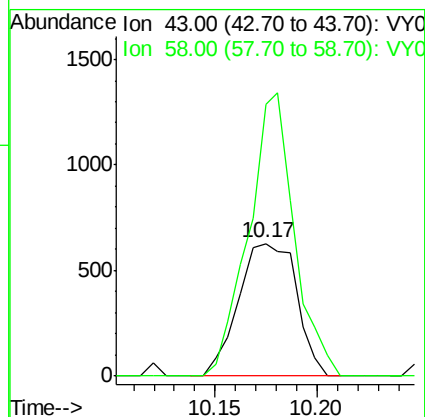
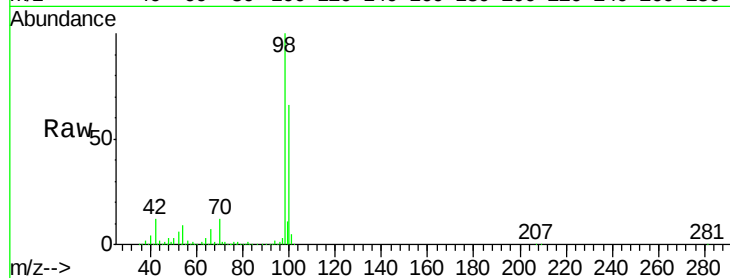
ClientSampled :

Tot Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 169.5 29.8 44.8#



#62

4-Bromofluorobenzene

Concen: 35.432 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

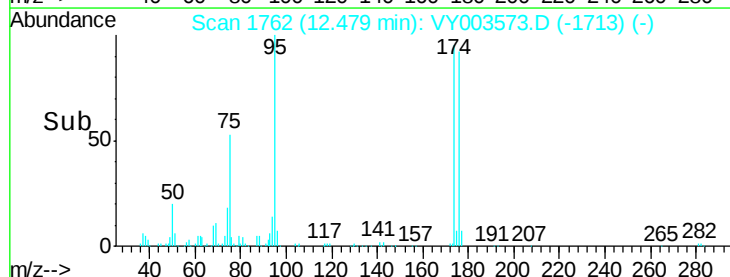
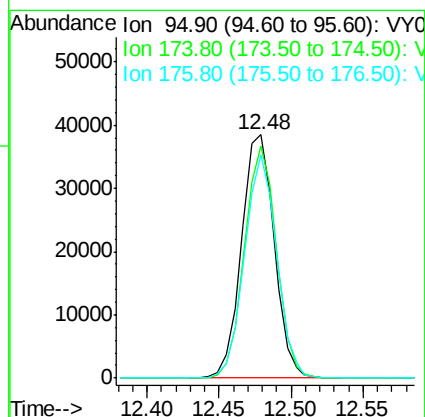
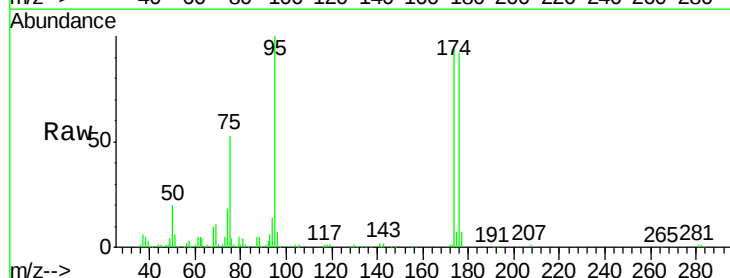
Tgt Ion: 95 Resp: 60760

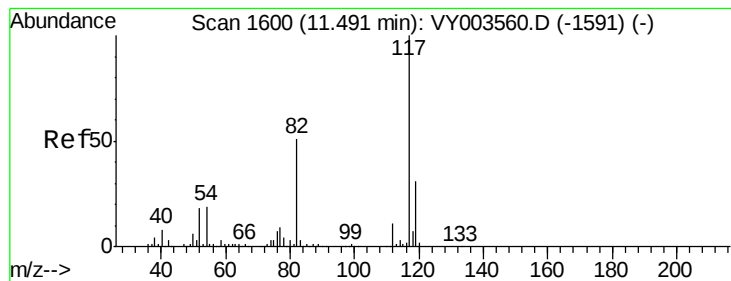
Ion Ratio Lower Upper

95 100

174 92.7 0.0 184.0

176 89.3 0.0 180.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

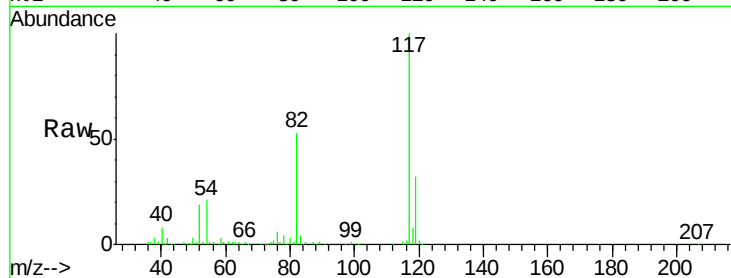
Tot Ion:117 Resp: 180442

Ion Ratio Lower Upper

117 100

82 52.6 41.0 61.6

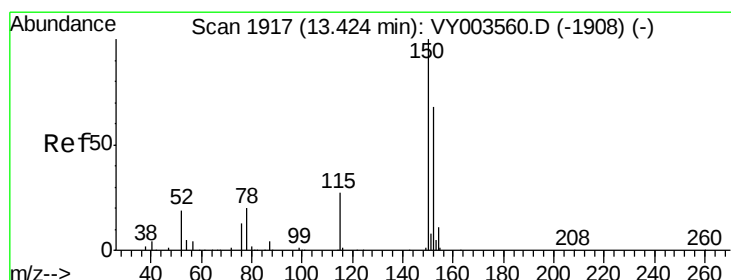
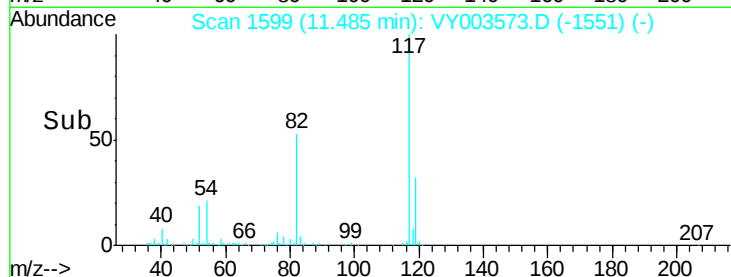
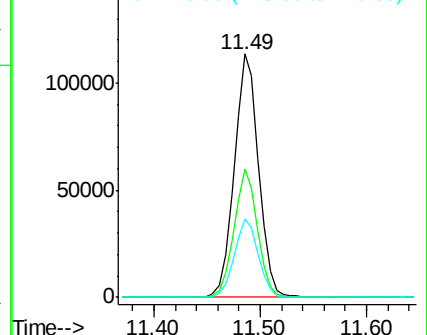
119 32.2 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY003573.D

Acq: 20 Nov 2020 17:18

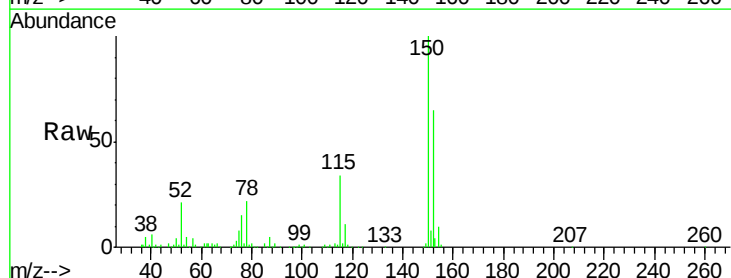
Tgt Ion:152 Resp: 52798

Ion Ratio Lower Upper

152 100

115 52.5 27.4 82.0

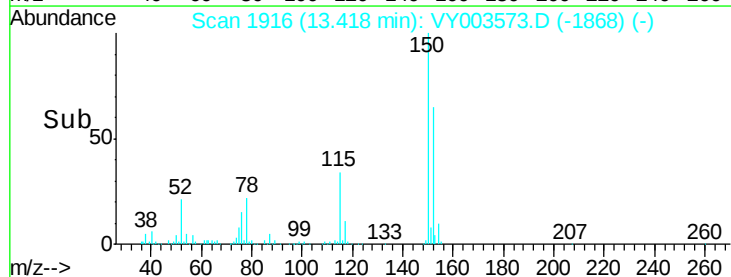
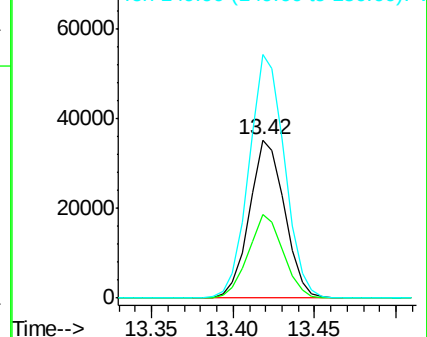
150 156.3 0.0 349.6

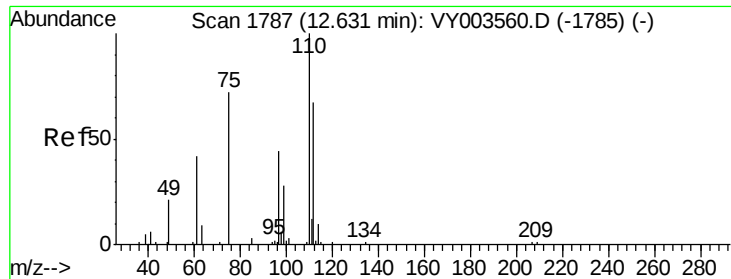


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

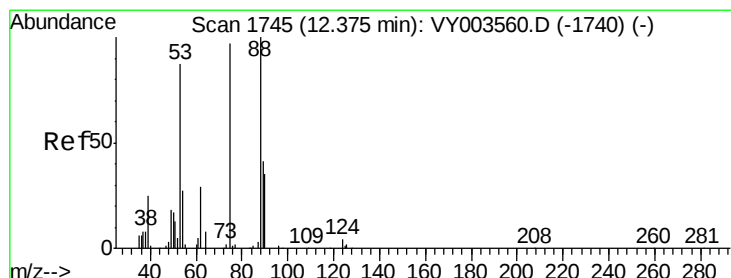
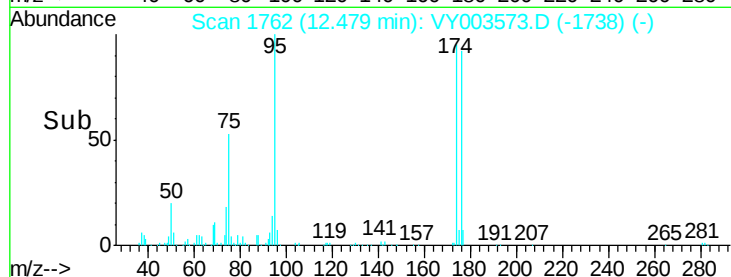
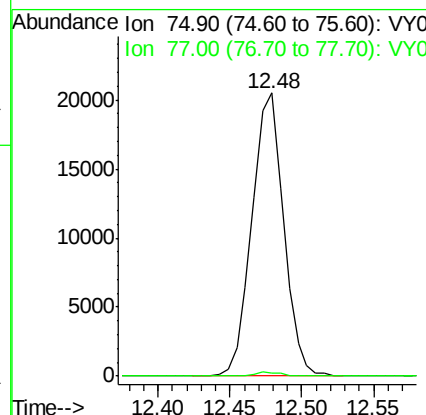
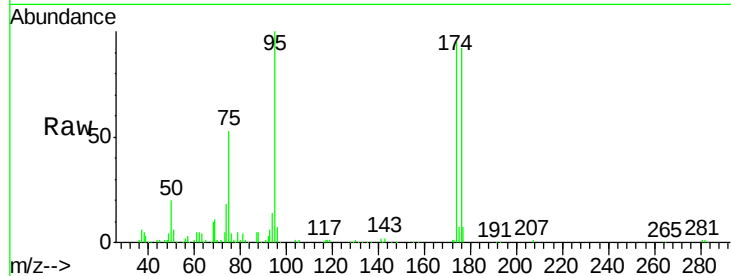




#76
 1,2,3-Trichloropropane
 Concen: 60.924 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 31185
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.851 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003573.D
 Acq: 20 Nov 2020 17:18

Tgt Ion: 75 Resp: 31185
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.3 34.7 52.1#

