

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042222\
 Data File : VY008461.D
 Acq On : 22 Apr 2022 13:50
 Operator : KP/MD
 Sample : N2511-04RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 23 01:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

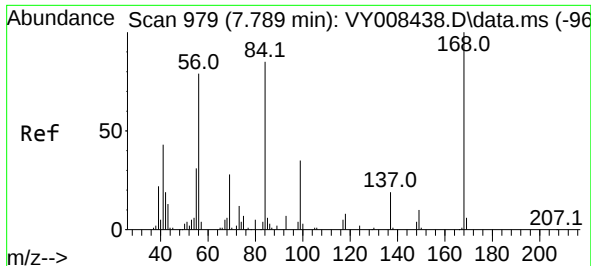
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	91171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	160660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	125255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	49065	45.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.480%
35) Dibromofluoromethane	7.716	113	50565	48.767	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.540%
50) Toluene-d8	10.179	98	179952	43.829	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.660%
62) 4-Bromofluorobenzene	12.483	95	44641	31.973	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.940%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	85	1.752	ug/l #	35
11) Tert butyl alcohol	4.948	59	7939	53.918	ug/l #	84
13) Acrolein	3.735	56	559	4.894	ug/l #	14
15) Acrylonitrile	5.168	53	616	1.996	ug/l #	73
16) Acetone	3.942	43	108132	432.767	ug/l #	89
18) Methyl Acetate	4.473	43	890	1.270	ug/l #	71
25) 2-Butanone	6.984	43	45986	118.964	ug/l #	83
29) Tetrahydrofuran	7.350	42	565	2.269	ug/l #	79
31) Cyclohexane	7.789	56	2572	1.458	ug/l #	9
37) Ethyl Acetate	6.984	43	45986	50.415	ug/l #	72
38) Carbon Tetrachloride	7.789	117	9457	5.519	ug/l #	15
41) Methacrylonitrile	7.350	41	618	1.397	ug/l #	27
48) Methyl methacrylate	9.264	41	11996	16.818	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	3012	3.413	ug/l #	83
59) 2-Hexanone	10.831	43	7105	11.700	ug/l	98
74) N-amyl acetate	12.105	43	4272	5.858	ug/l #	57
76) 1,2,3-Trichloropropane	12.483	75	24477	48.587	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24477	112.716	ug/l #	7

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

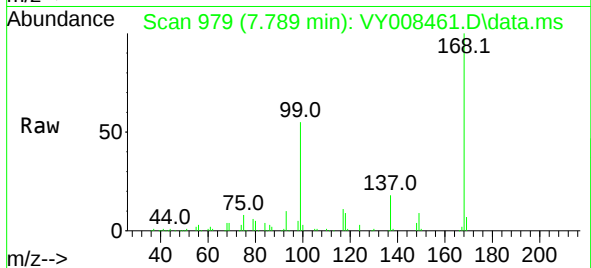
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration



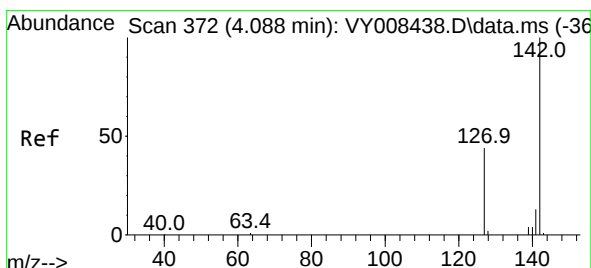
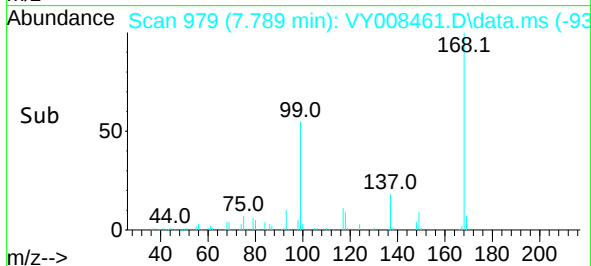
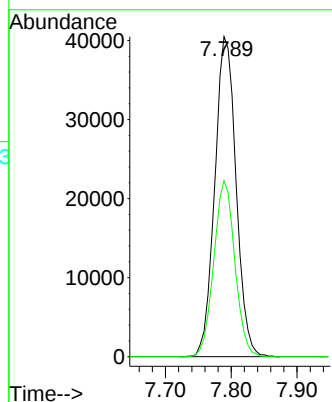


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Instrument :
MSVOA_Y
ClientSampleId :

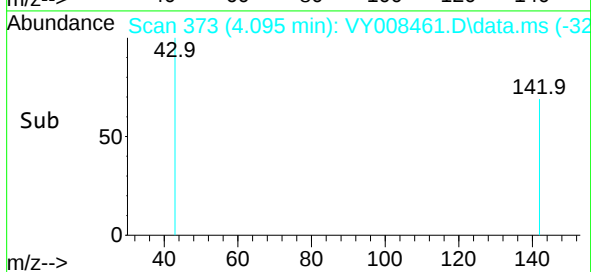
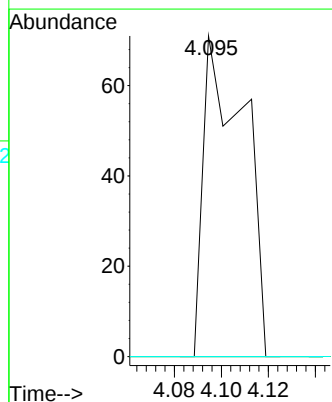
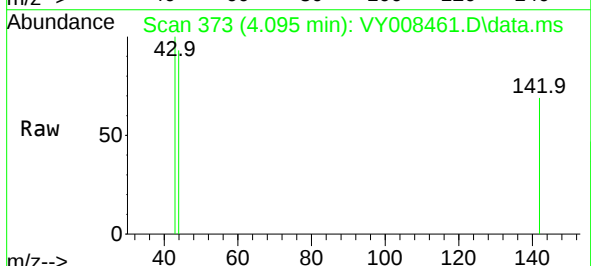


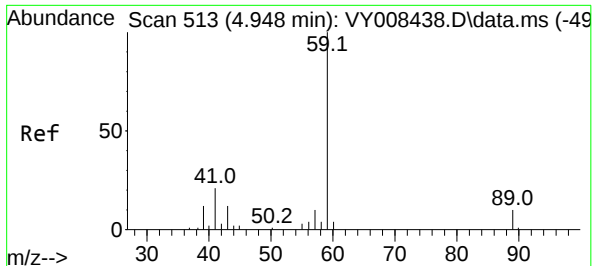
Tgt Ion:168 Resp: 91171
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.752 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Tgt Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 53.918 ug/l

RT: 4.948 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

Instrument :

MSVOA_Y

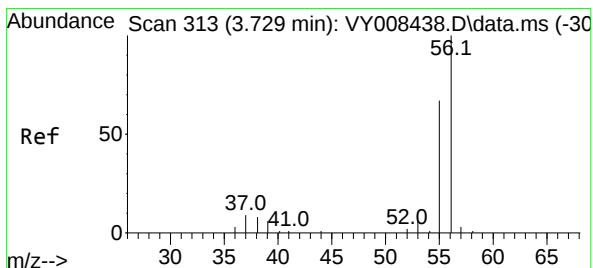
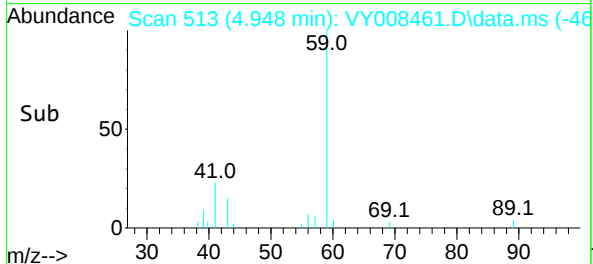
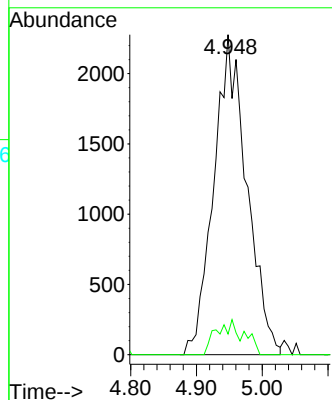
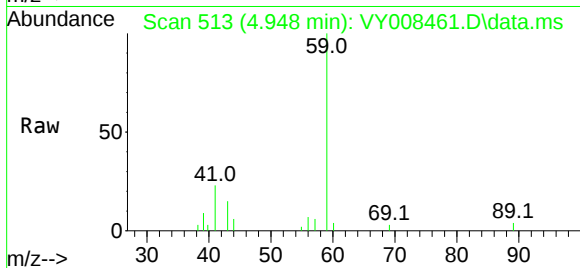
ClientSampleId :

Tgt Ion: 59 Resp: 7939

Ion Ratio Lower Upper

59 100

57 2.3 6.4 9.6#



#13

Acrolein

Concen: 4.894 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY008461.D

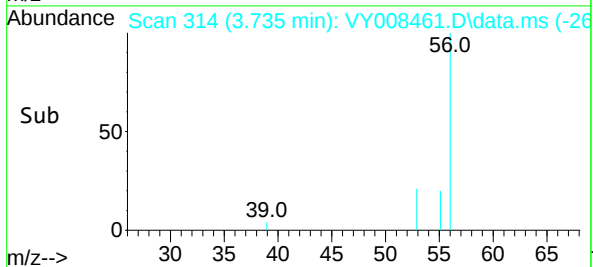
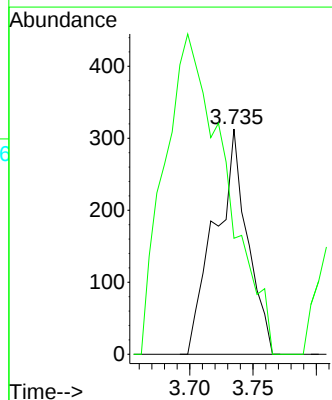
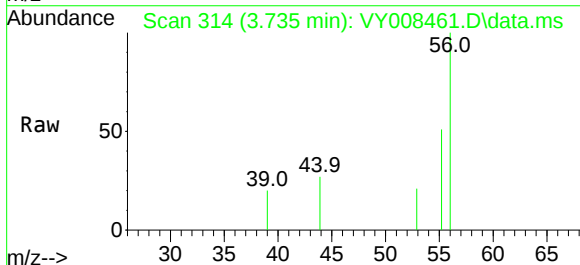
Acq: 22 Apr 2022 13:50

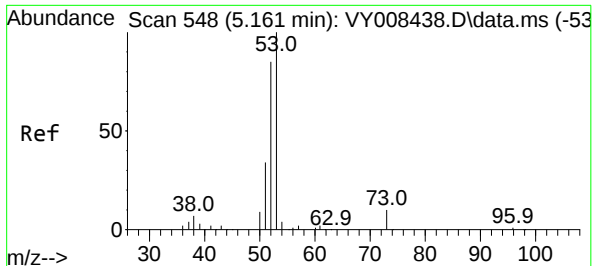
Tgt Ion: 56 Resp: 559

Ion Ratio Lower Upper

56 100

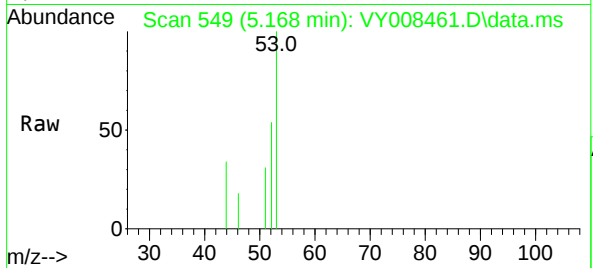
55 0.0 57.6 86.4#



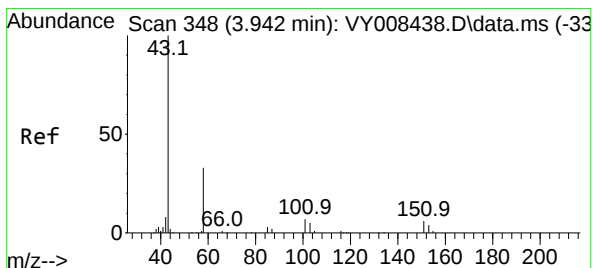
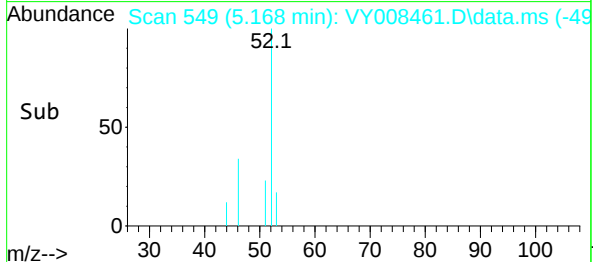
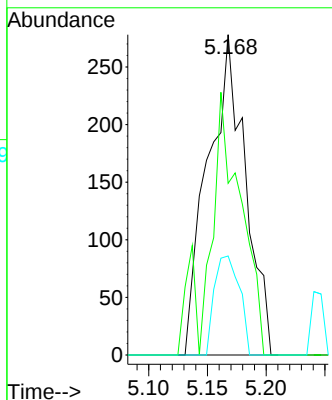


#15
Acrylonitrile
Concen: 1.996 ug/l
RT: 5.168 min Scan# 548
Delta R.T. 0.007 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Instrument :
MSVOA_Y
ClientSampleId :

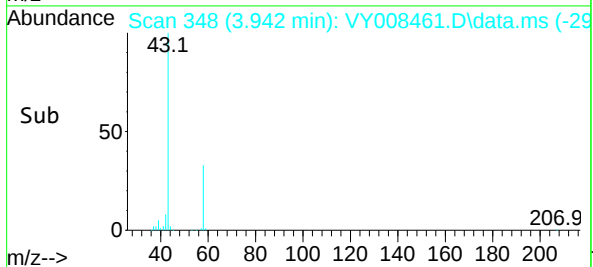
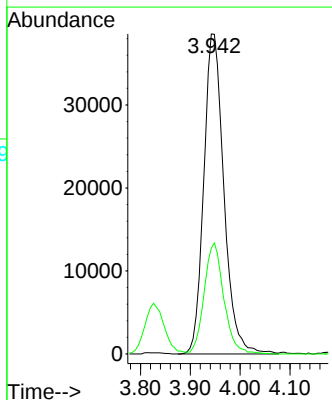
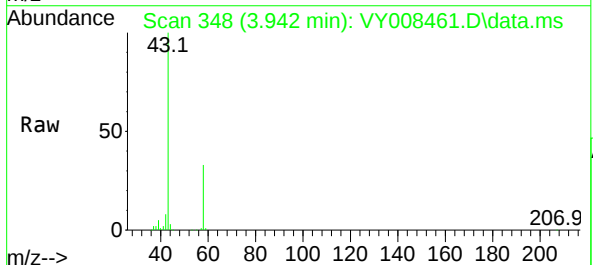


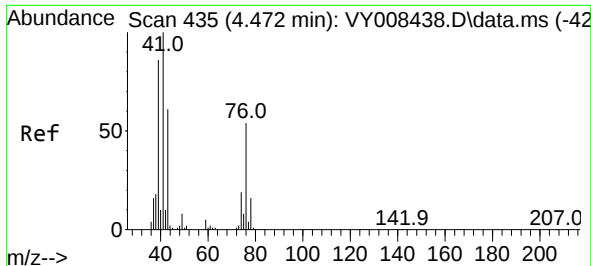
Tgt Ion: 53 Resp: 616
Ion Ratio Lower Upper
53 100
52 60.1 67.0 100.4#
51 20.6 29.8 44.6#



#16
Acetone
Concen: 432.767 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

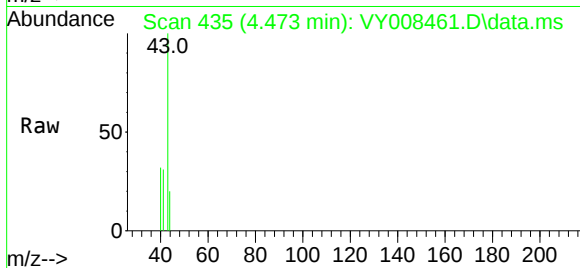
Tgt Ion: 43 Resp: 108132
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#



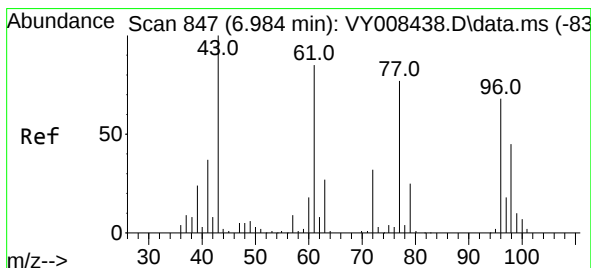
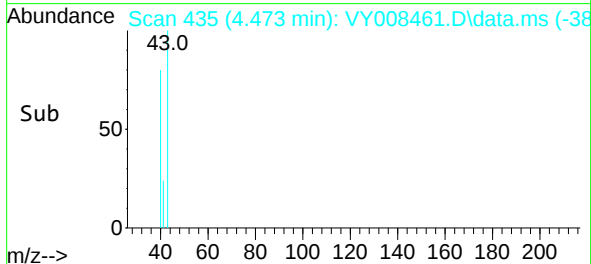
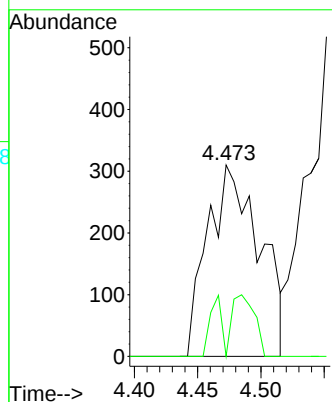


#18
Methyl Acetate
Concen: 1.270 ug/l
RT: 4.473 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Instrument :
MSVOA_Y
ClientSampleId :

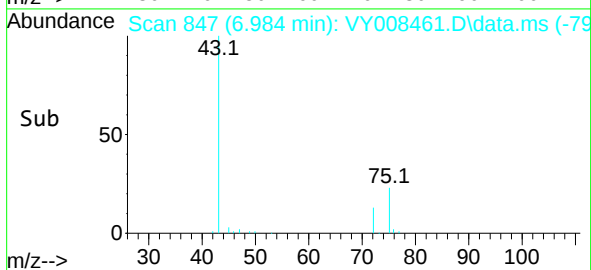
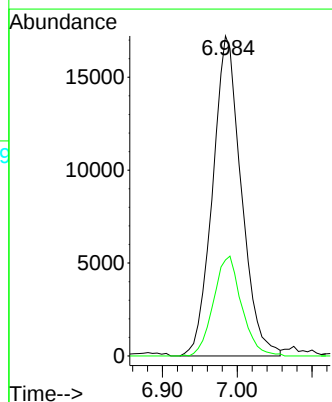
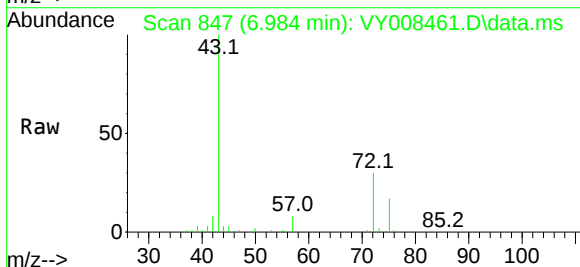


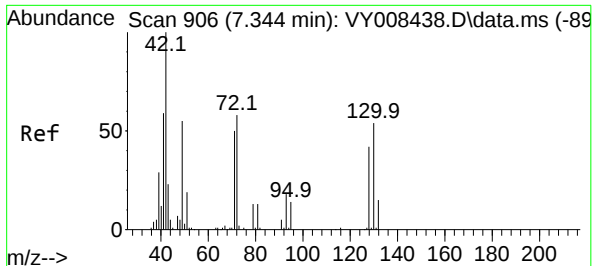
Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
74 7.0 16.6 24.8#



#25
2-Butanone
Concen: 118.964 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Tgt Ion: 43 Resp: 45986
Ion Ratio Lower Upper
43 100
72 30.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 2.269 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

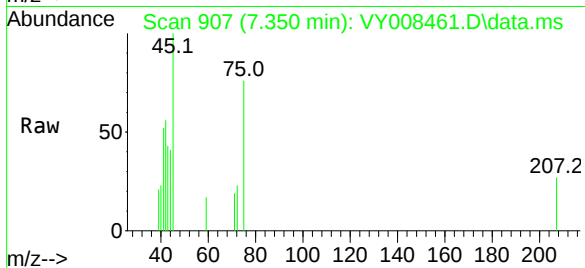
Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

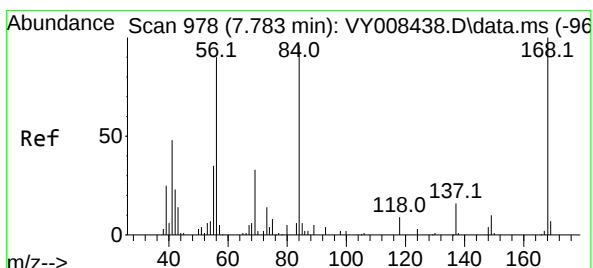
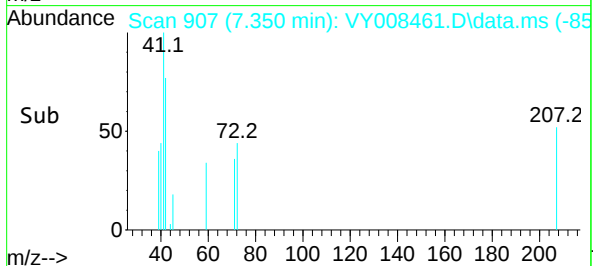
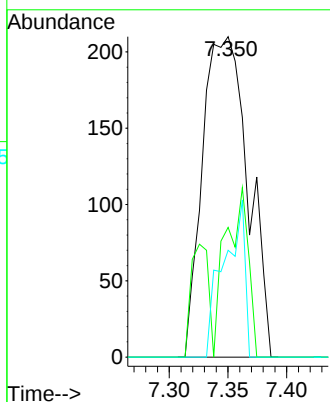
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	565
Ion	Ratio	Lower	Upper
42	100		
72	26.4	30.3	45.5#
71	22.8	29.0	43.4#



#31

Cyclohexane

Concen: 1.458 ug/l

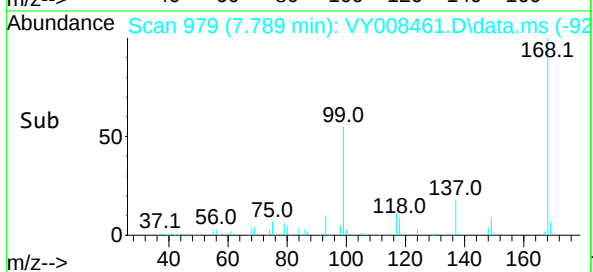
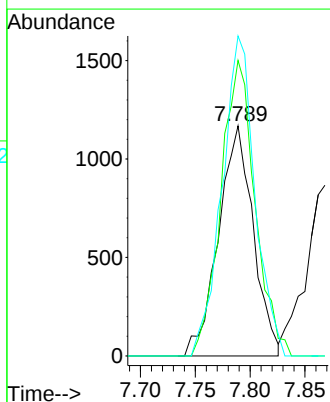
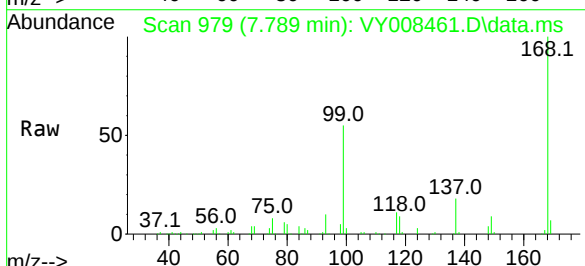
RT: 7.789 min Scan# 979

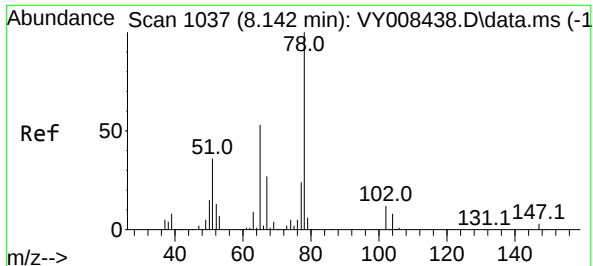
Delta R.T. 0.006 min

Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

Tgt Ion:	56	Resp:	2572
Ion	Ratio	Lower	Upper
56	100		
69	128.5	26.7	40.1#
84	139.1	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 45.738 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

Instrument :

MSVOA_Y

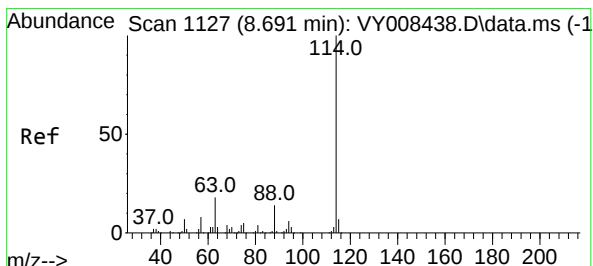
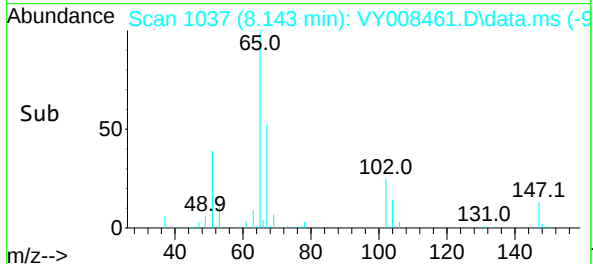
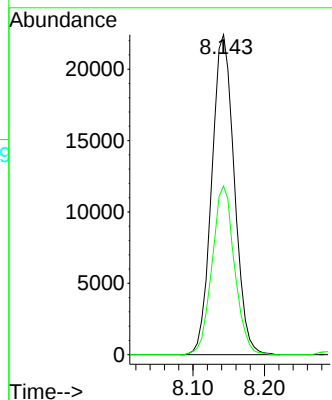
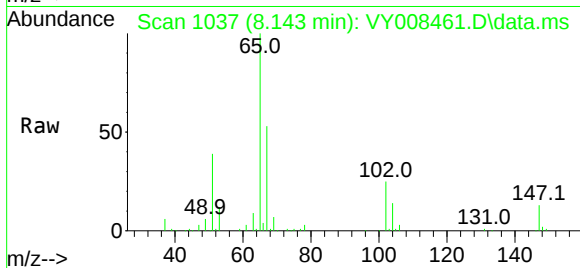
ClientSampleId :

Tgt Ion: 65 Resp: 49065

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

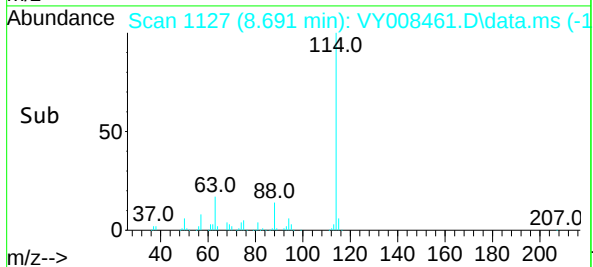
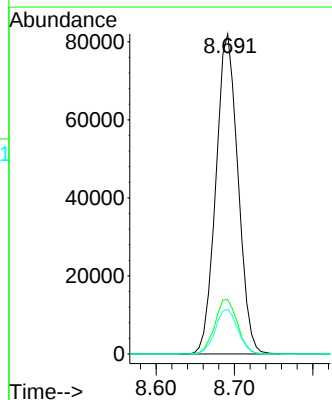
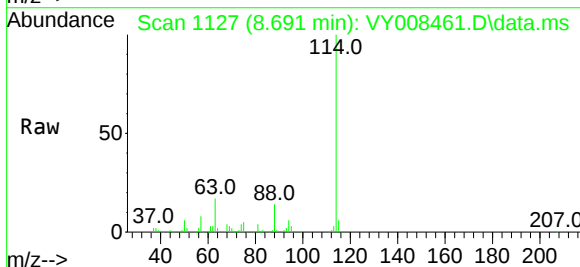
Tgt Ion: 114 Resp: 160660

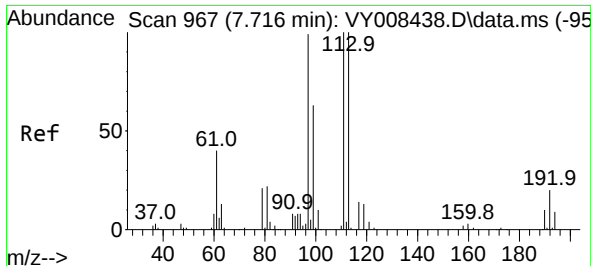
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

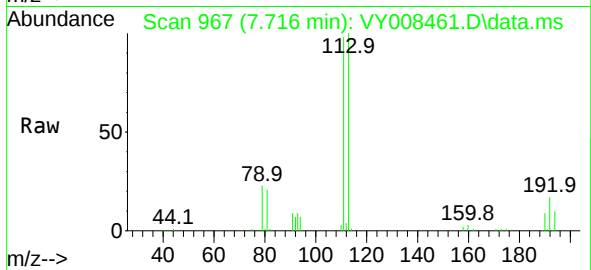
88 13.9 0.0 31.8



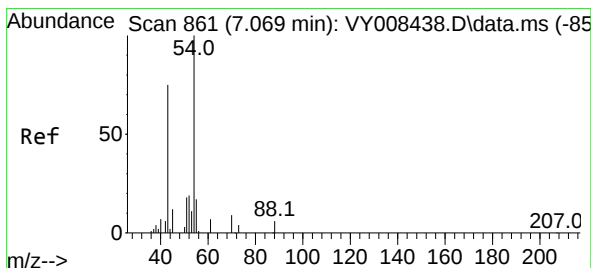
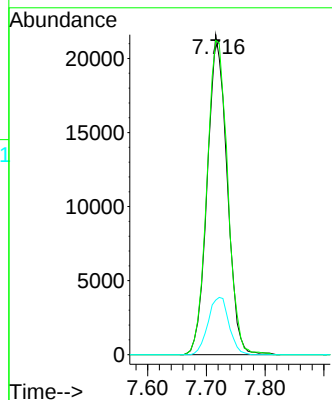
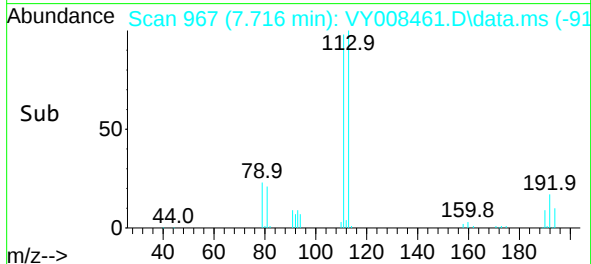


#35
 Dibromofluoromethane
 Concen: 48.767 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY008461.D
 Acq: 22 Apr 2022 13:50

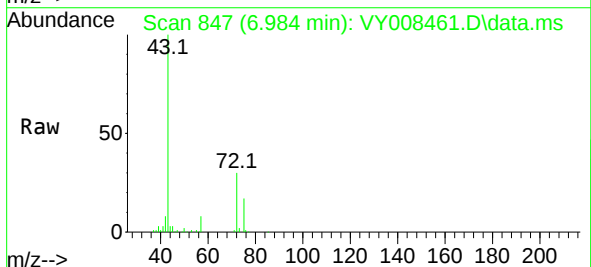
Instrument :
 MSVOA_Y
 ClientSampleId :



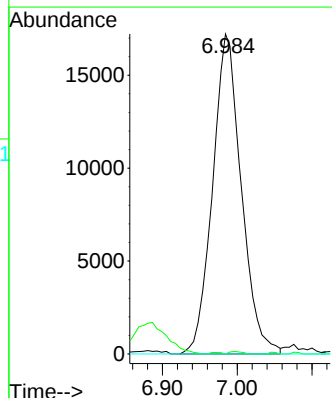
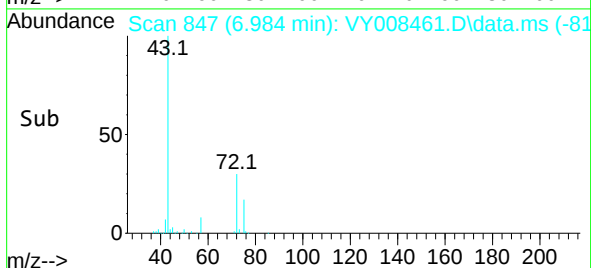
Tgt Ion:113 Resp: 50565
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 124.0
 192 18.9 17.6 26.4

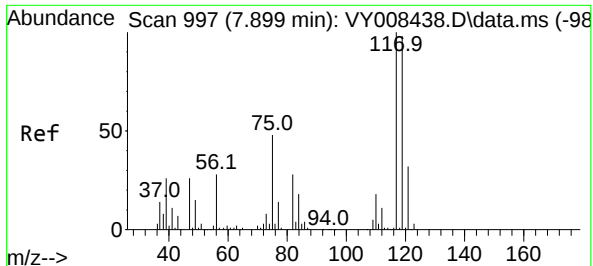


#37
 Ethyl Acetate
 Concen: 50.415 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.085 min
 Lab File: VY008461.D
 Acq: 22 Apr 2022 13:50



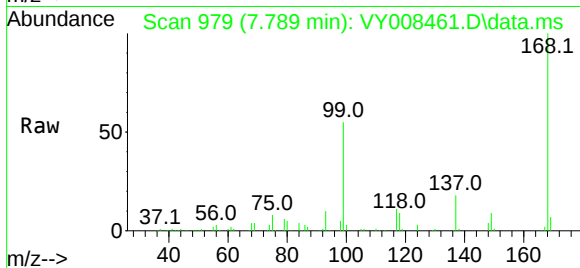
Tgt Ion: 43 Resp: 45986
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.7 14.5#
 70 0.0 7.1 10.7#



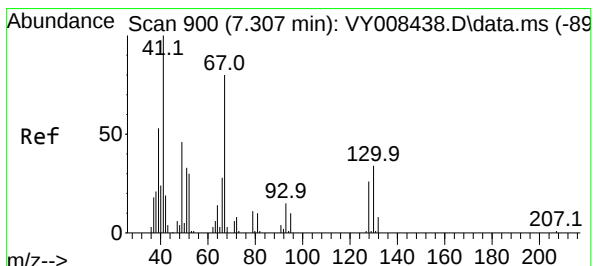
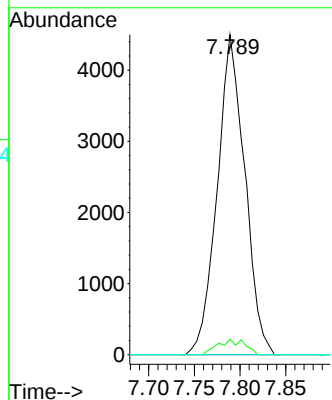
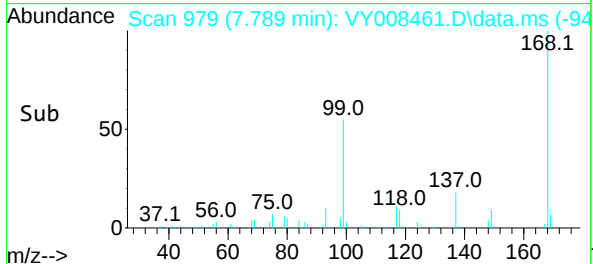


#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

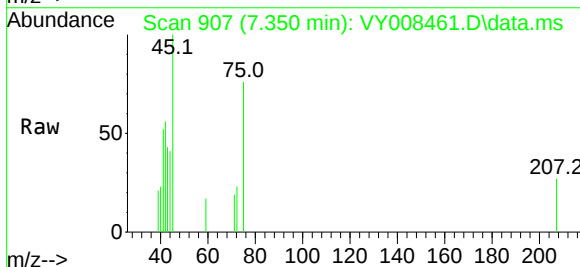
Instrument :
MSVOA_Y
ClientSampleId :



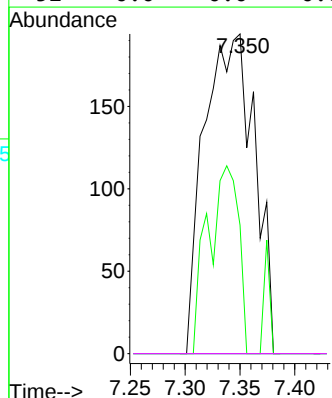
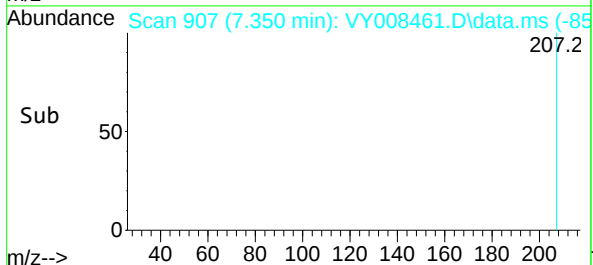
Tgt Ion:117 Resp: 9457
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#

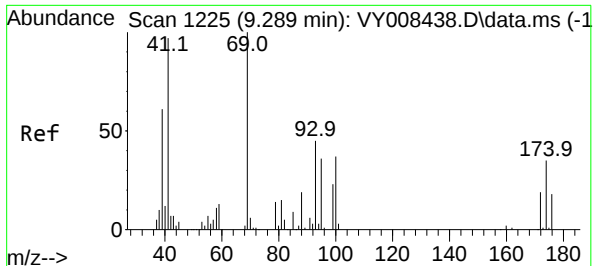


#41
Methacrylonitrile
Concen: 1.397 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50



Tgt Ion: 41 Resp: 618
Ion Ratio Lower Upper
41 100
39 36.1 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#48

Methyl methacrylate

Concen: 16.818 ug/l

RT: 9.264 min Scan# 11

Delta R.T. -0.025 min

Lab File: VY008461.D

Acq: 22 Apr 2022 13:50

Instrument :

MSVOA_Y

ClientSampleId :

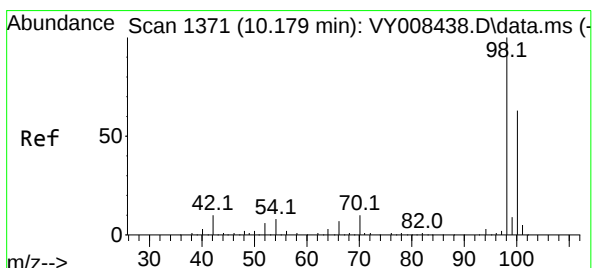
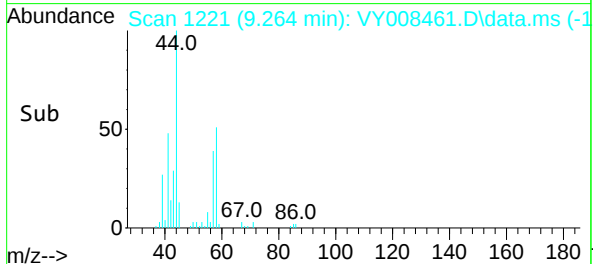
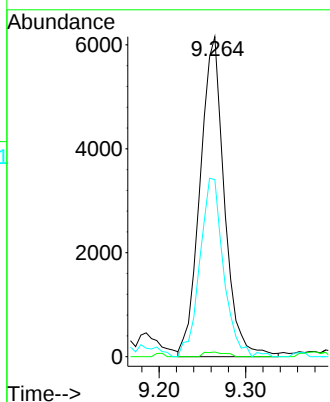
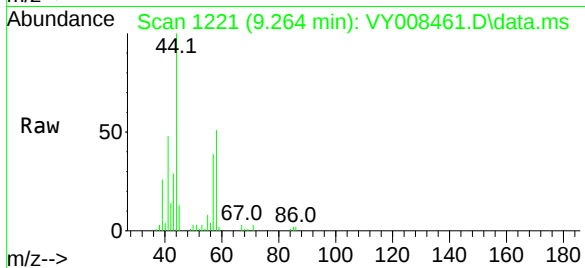
Tgt Ion: 41 Resp: 11996

Ion Ratio Lower Upper

41 100

69 1.3 58.2 87.2#

39 54.4 47.4 71.0



#50

Toluene-d8

Concen: 43.829 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008461.D

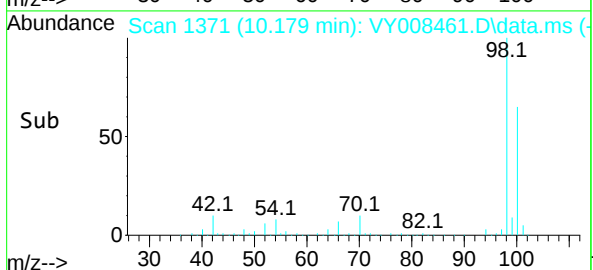
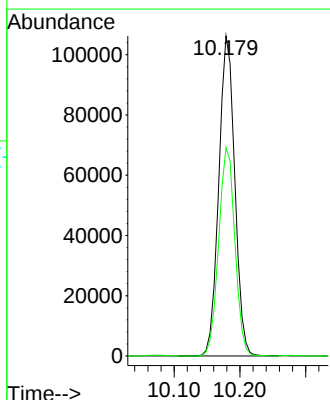
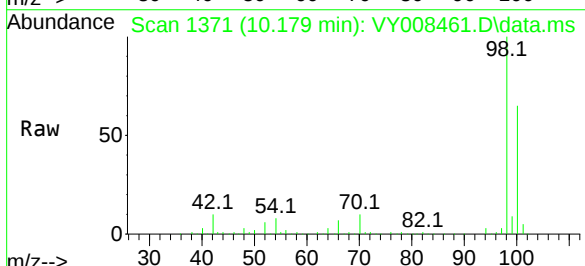
Acq: 22 Apr 2022 13:50

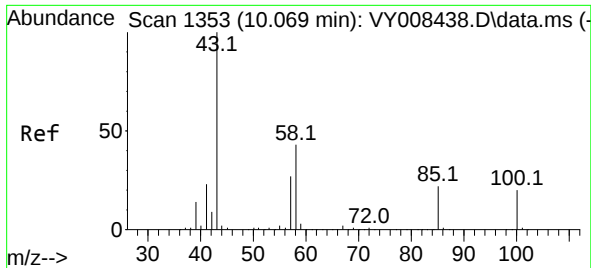
Tgt Ion: 98 Resp: 179952

Ion Ratio Lower Upper

98 100

100 66.0 50.2 75.2

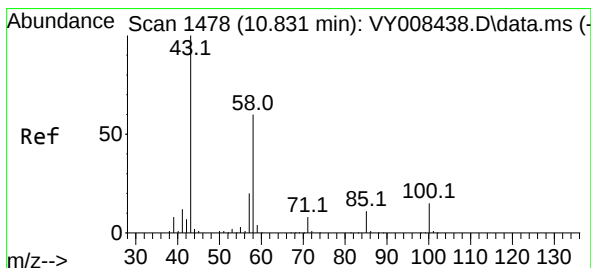
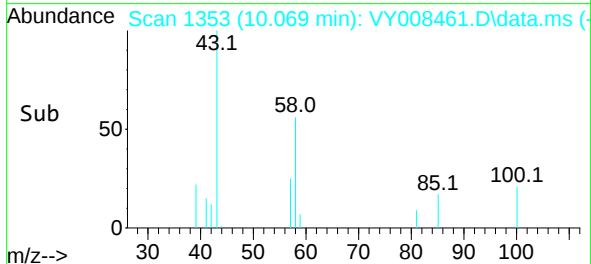
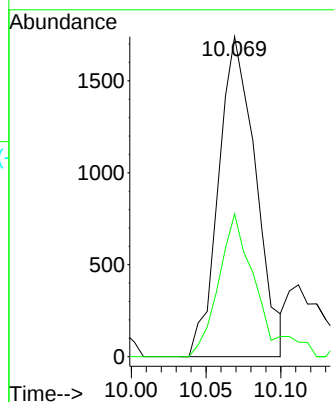
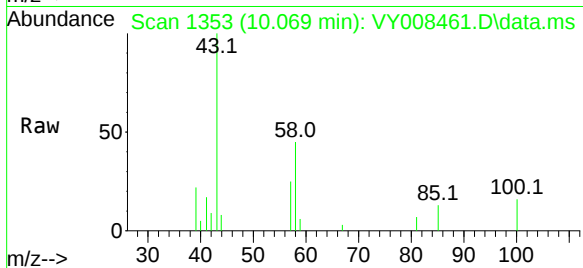




#51
4-Methyl-2-Pentanone
Concen: 3.413 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

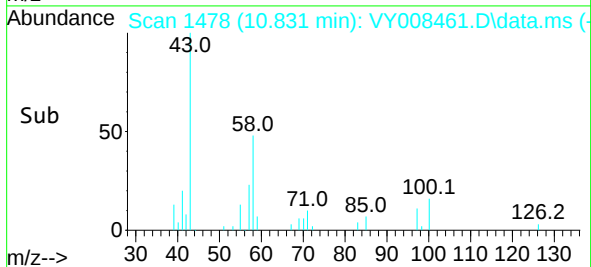
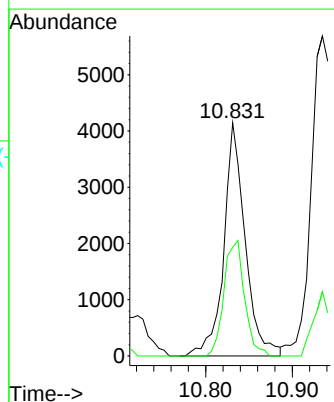
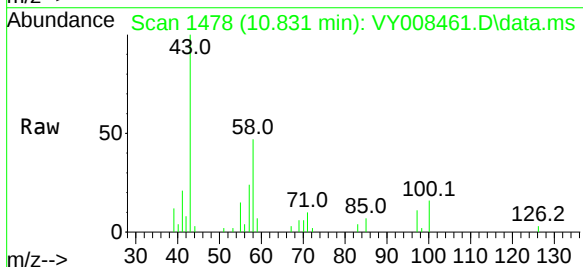
Instrument :
MSVOA_Y
ClientSampleId :

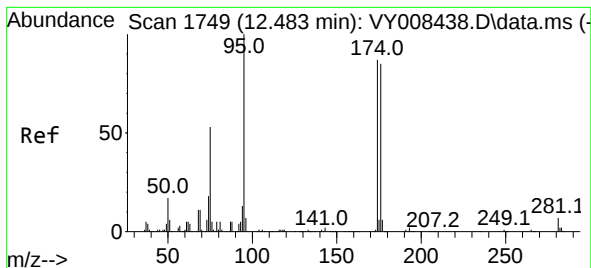
Tgt Ion: 43 Resp: 3012
Ion Ratio Lower Upper
43 100
58 45.2 28.1 42.1#



#59
2-Hexanone
Concen: 11.700 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Tgt Ion: 43 Resp: 7105
Ion Ratio Lower Upper
43 100
58 47.5 24.4 73.4

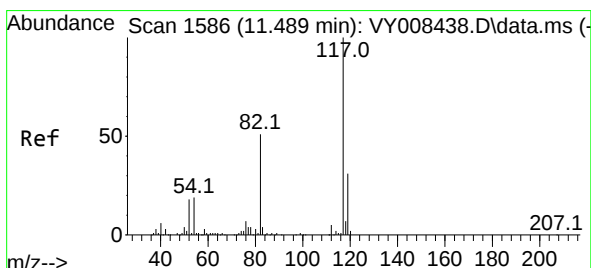
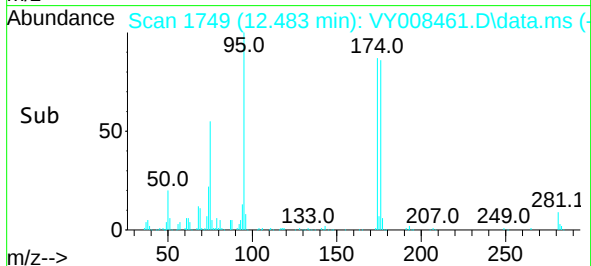
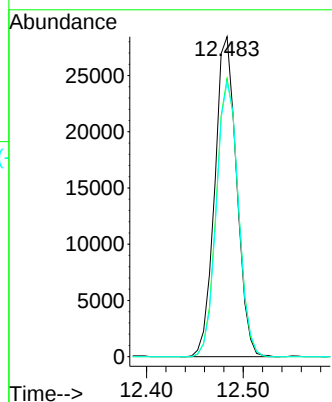
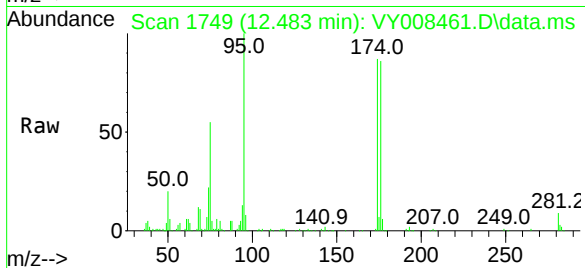




#62
4-Bromofluorobenzene
Concen: 31.973 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

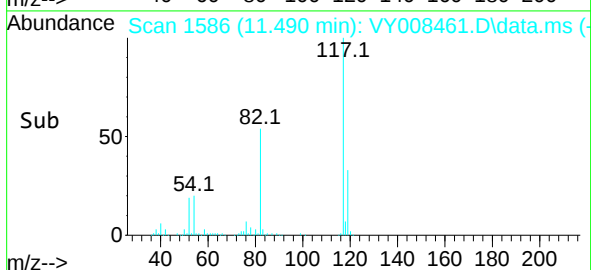
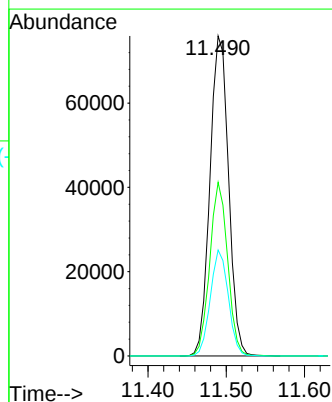
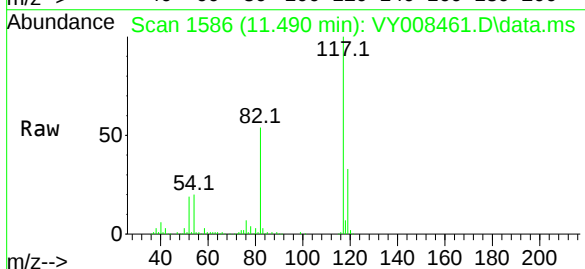
Instrument :
MSVOA_Y
ClientSampleId :

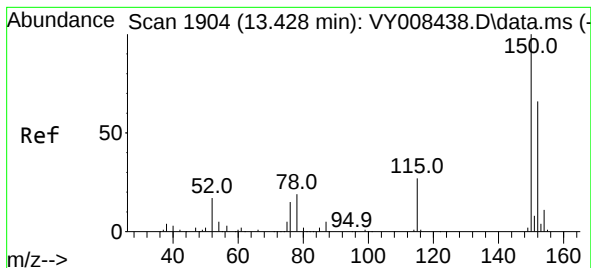
Tgt Ion: 95 Resp: 44641
Ion Ratio Lower Upper
95 100
174 86.9 0.0 177.0
176 86.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

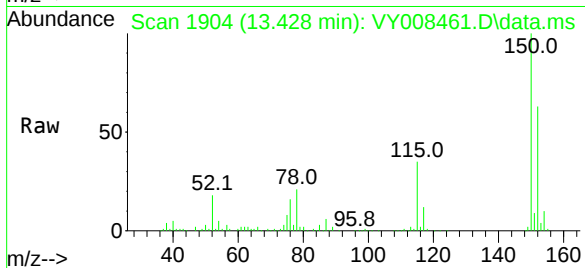
Tgt Ion: 117 Resp: 125255
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 33.1 25.4 38.0



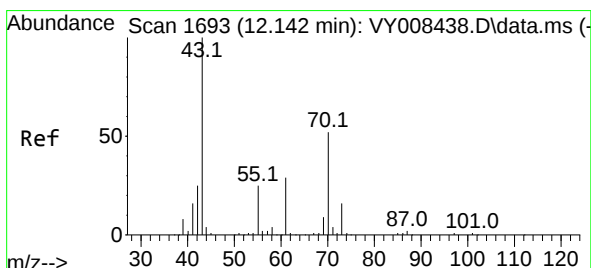
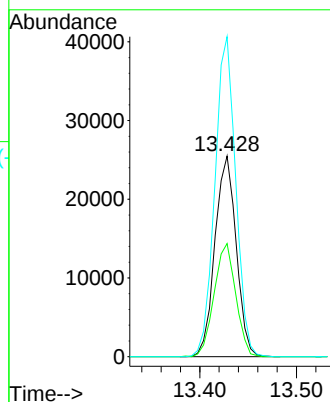
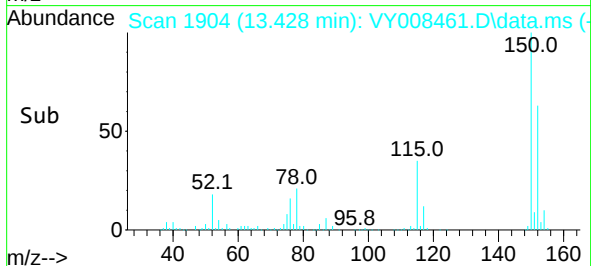


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008461.D
 Acq: 22 Apr 2022 13:50

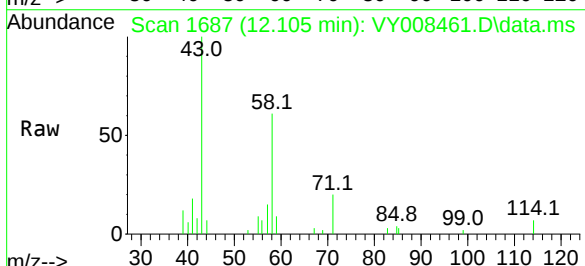
Instrument :
 MSVOA_Y
 ClientSampleId :



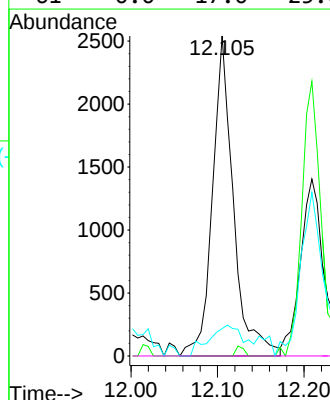
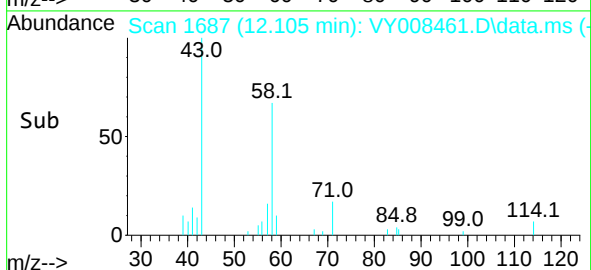
Tgt Ion:152 Resp: 38927
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.2 84.7
 150 156.1 0.0 347.6

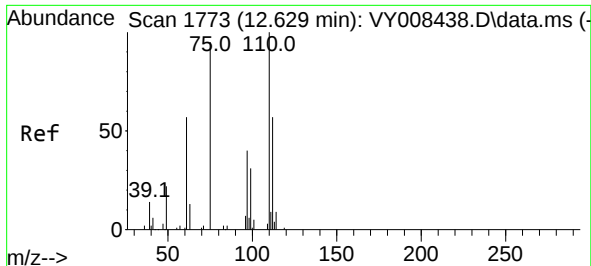


#74
 N-ethyl acetate
 Concen: 5.858 ug/l
 RT: 12.105 min Scan# 1687
 Delta R.T. -0.037 min
 Lab File: VY008461.D
 Acq: 22 Apr 2022 13:50



Tgt Ion: 43 Resp: 4272
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.7 43.1#
 55 16.0 17.3 25.9#
 61 0.0 17.0 25.6#

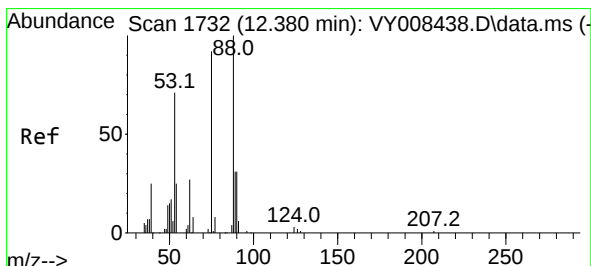
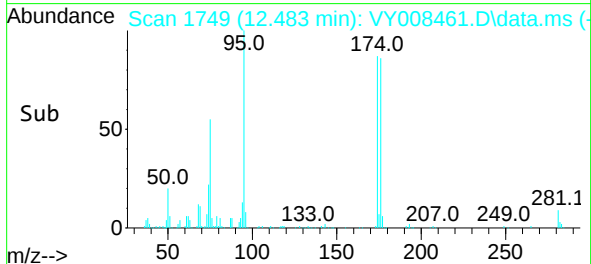
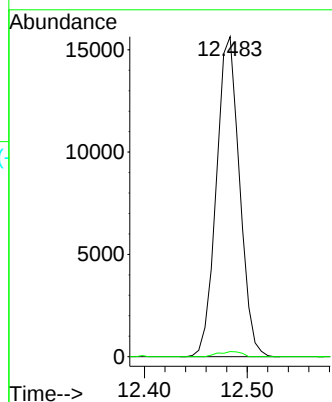
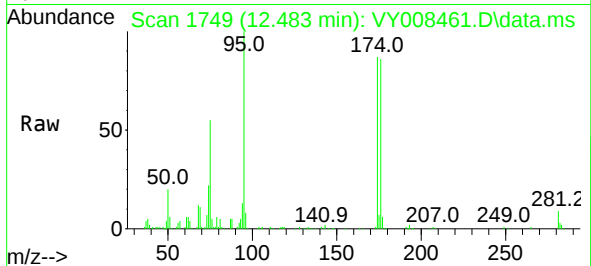




#76
1,2,3-Trichloropropane
Concen: 48.587 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 24477
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.716 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008461.D
Acq: 22 Apr 2022 13:50

Tgt Ion: 75 Resp: 24477
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

