

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060823\
 Data File : VY014084.D
 Acq On : 08 Jun 2023 19:36
 Operator : KP/MD
 Sample : 03072-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30101

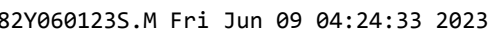
Quant Time: Jun 09 04:24:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

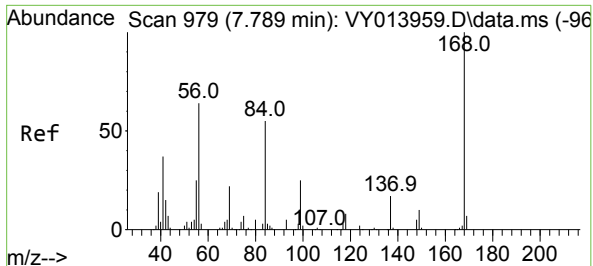
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	144850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	98817	51.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.060%			
35) Dibromofluoromethane	7.721	113	83259	52.675	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.178	98	311786	51.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.420%			
62) 4-Bromofluorobenzene	12.483	95	112268	54.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	756	1.918	ug/l #	92
13) Acrolein	3.741	56	479	2.654	ug/l #	76
16) Acetone	3.966	43	71663	109.237	ug/l	98
17) Carbon Disulfide	4.204	76	30405	6.458	ug/l	98
20) Methylene Chloride	4.728	84	7047	Below Cal		89
25) 2-Butanone	6.996	43	14034	17.172	ug/l	94
29) Tetrahydrofuran	7.374	42	587	1.155	ug/l #	38
31) Cyclohexane	7.795	56	3223	1.396	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	10942	4.859	ug/l #	52
37) Ethyl Acetate	6.996	43	14034	7.148	ug/l #	72
38) Carbon Tetrachloride	7.789	117	13958	5.531	ug/l #	16
40) Benzene	8.160	78	9933	1.430	ug/l	94
48) Methyl methacrylate	9.264	41	4623	3.072	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	10612	5.683	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.831	63	19	23.122	ug/l #	48
59) 2-Hexanone	10.831	43	4645	3.435	ug/l	77
74) N-amyl acetate	12.111	43	4792	1.529	ug/l #	54
76) 1,2,3-Trichloropropane	12.483	75	63186	37.928	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63186	80.464	ug/l #	11
95) Naphthalene	15.238	128	986	4.038	ug/l #	83

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 02 07:00:14 2023
Response via : Initial Calibration

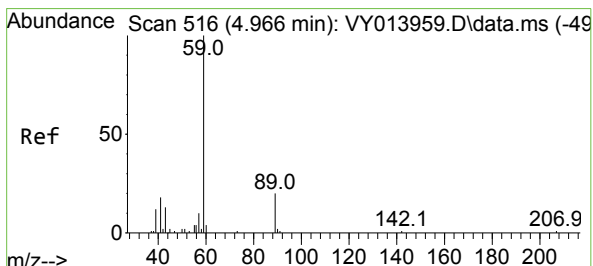
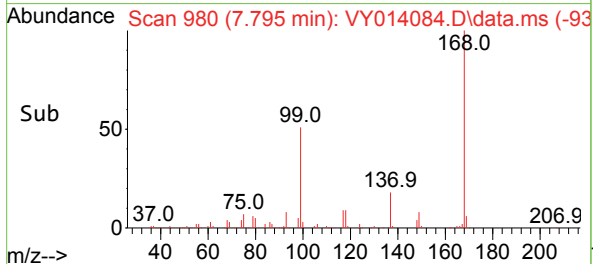
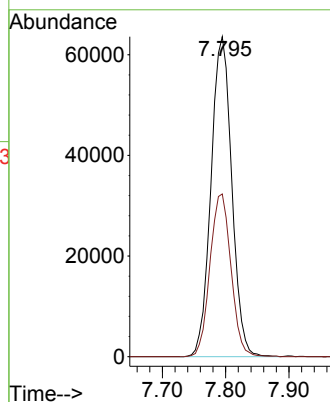
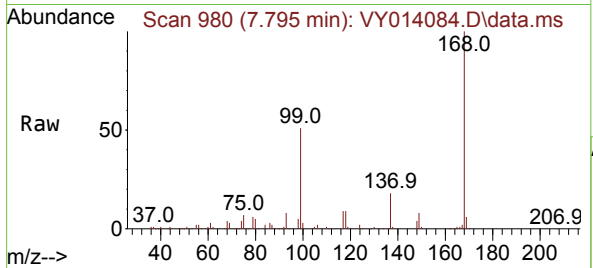




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

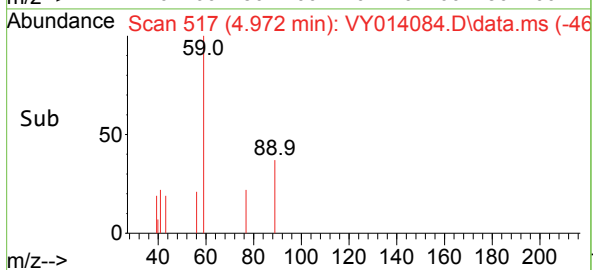
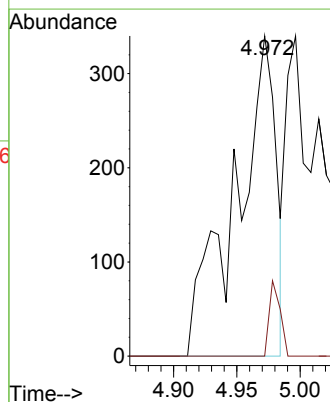
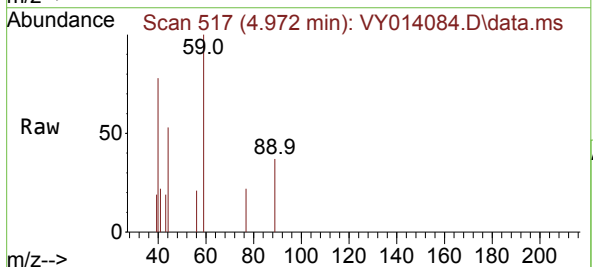
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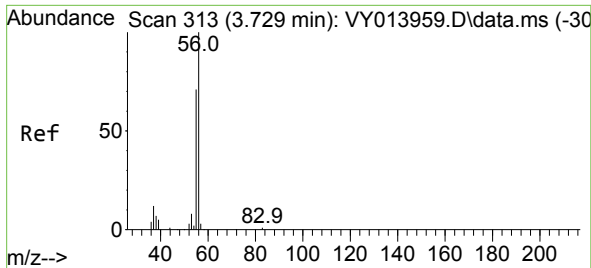
Tgt Ion:168 Resp: 144850
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.918 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 6.3 3.0 4.4#

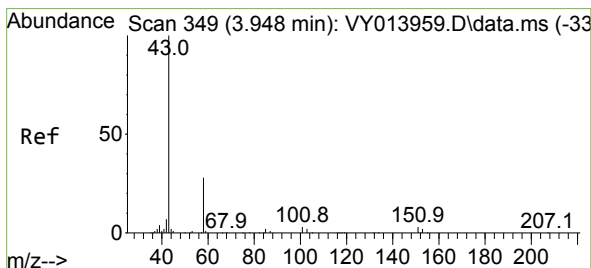
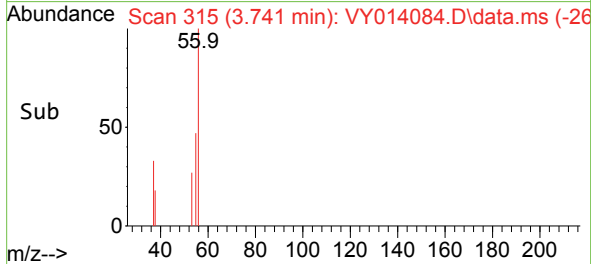
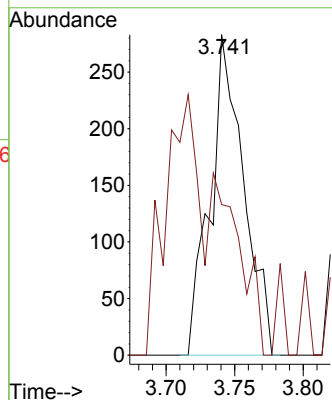
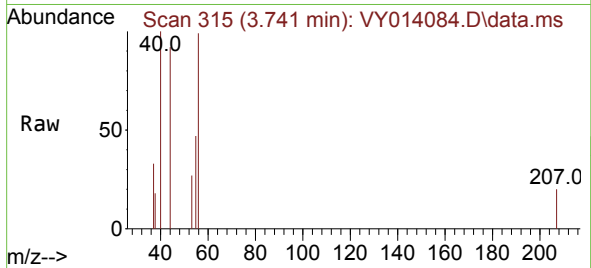




#13
Acrolein
Concen: 2.654 ug/l
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

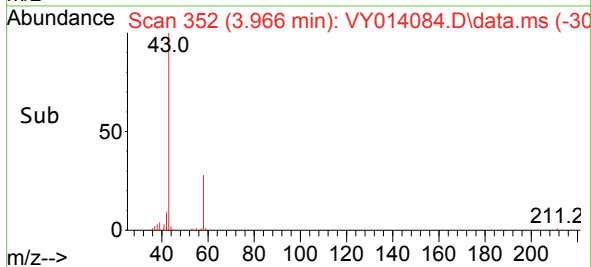
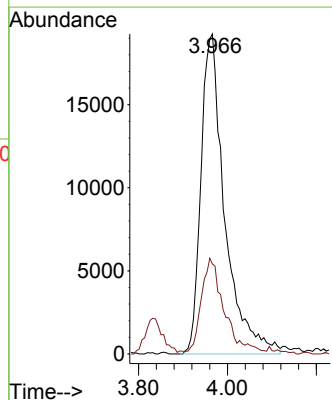
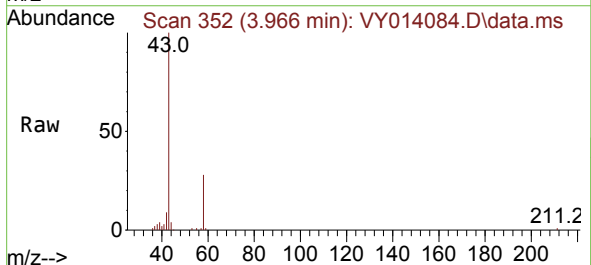
Instrument :
MSVOA_Y
ClientSampleId :
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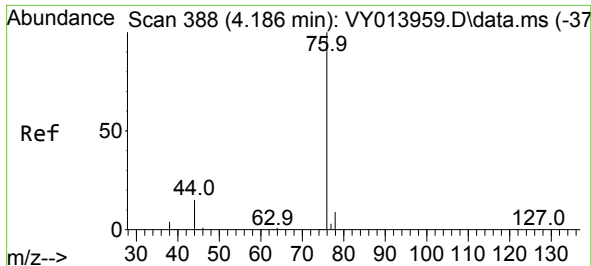
Tgt Ion: 56 Resp: 479
Ion Ratio Lower Upper
56 100
55 51.1 57.0 85.4#



#16
Acetone
Concen: 109.237 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 43 Resp: 71663
Ion Ratio Lower Upper
43 100
58 27.3 22.7 34.1

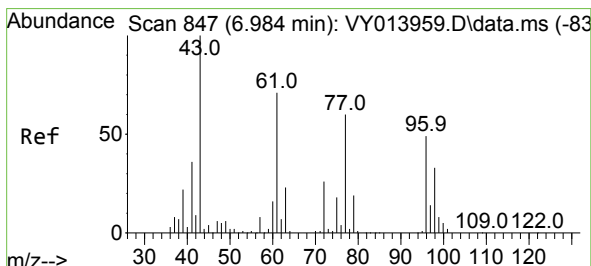
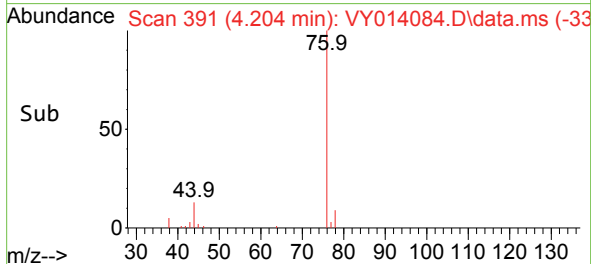
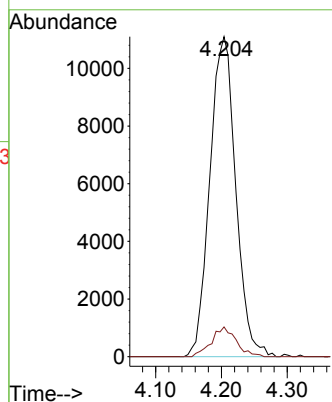
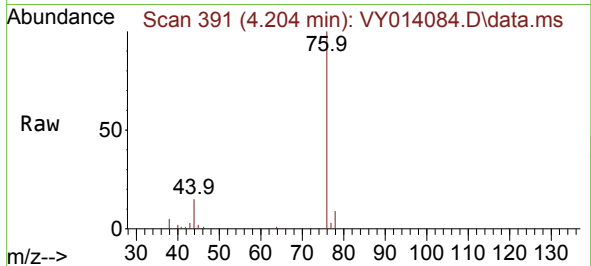




#17
Carbon Disulfide
Concen: 6.458 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

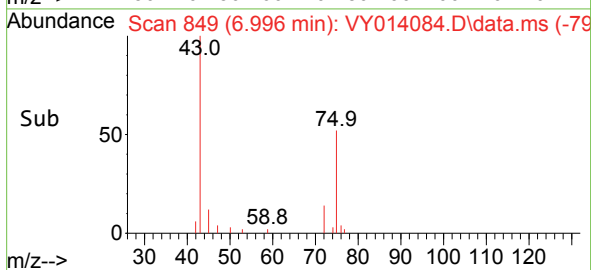
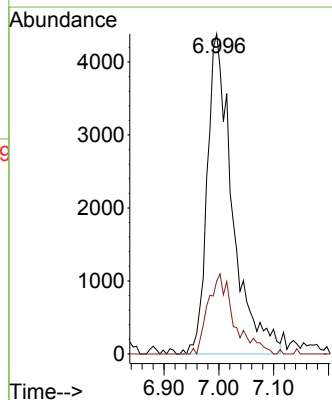
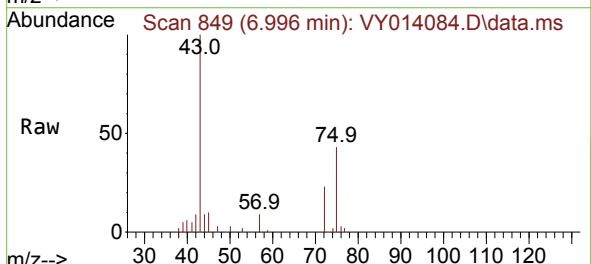
Instrument :
MSVOA_Y
ClientSampleId :
30101

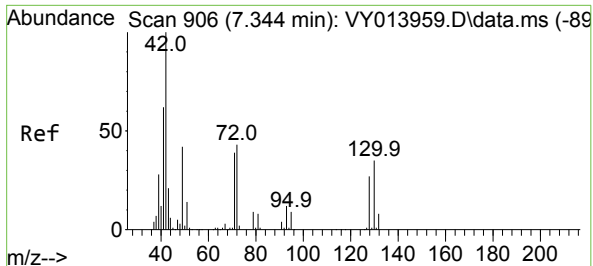
Tgt Ion: 76 Resp: 30405
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#25
2-Butanone
Concen: 17.172 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 43 Resp: 14034
Ion Ratio Lower Upper
43 100
72 22.8 20.5 30.7





#29

Tetrahydrofuran

Concen: 1.155 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.030 min

Lab File: VY014084.D

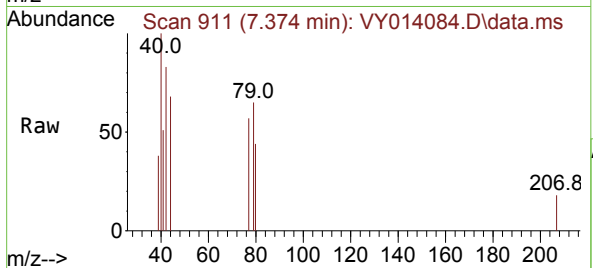
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Instrument :

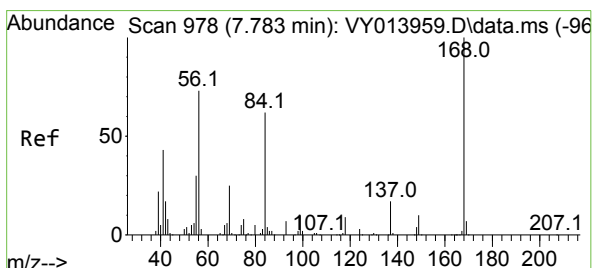
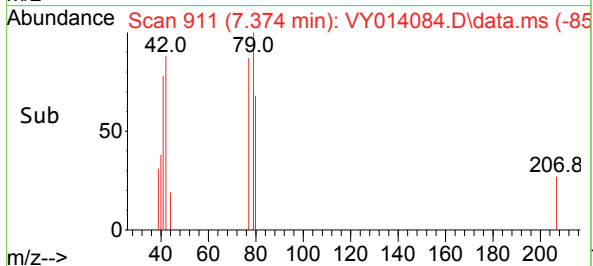
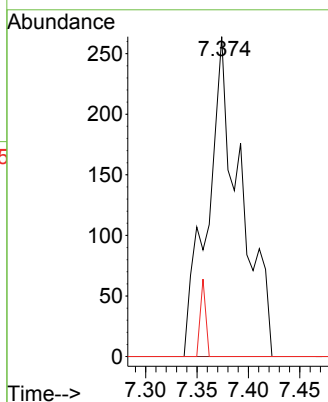
MSVOA_Y

ClientSampleId :

30101



Tgt Ion:	42	Resp:	587
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.8	49.2#
71	3.9	31.0	46.4#



#31

Cyclohexane

Concen: 1.396 ug/l

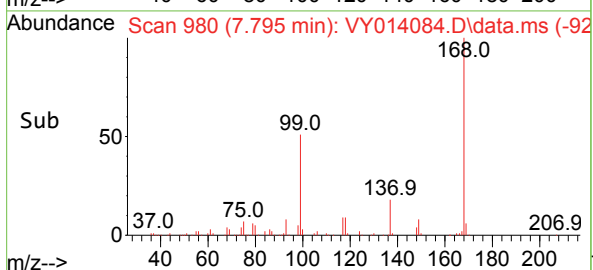
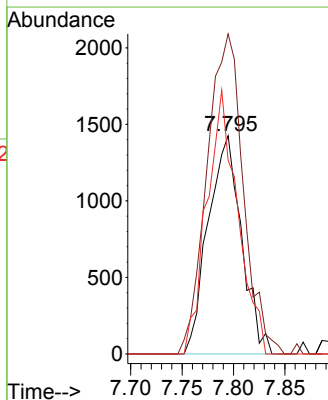
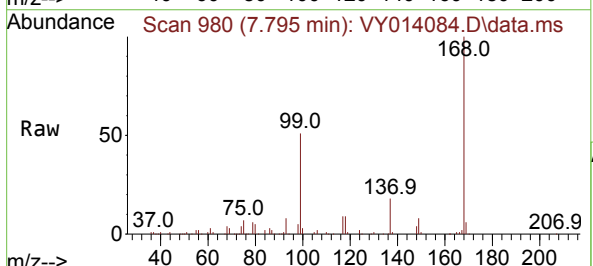
RT: 7.795 min Scan# 980

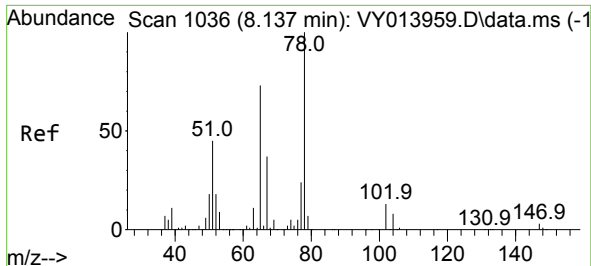
Delta R.T. 0.012 min

Lab File: VY014084.D

Acq: 08 Jun 2023 19:36

Tgt Ion:	56	Resp:	3223
Ion Ratio	Lower	Upper	
56	100		
69	146.6	27.8	41.6#
84	88.7	66.4	99.6

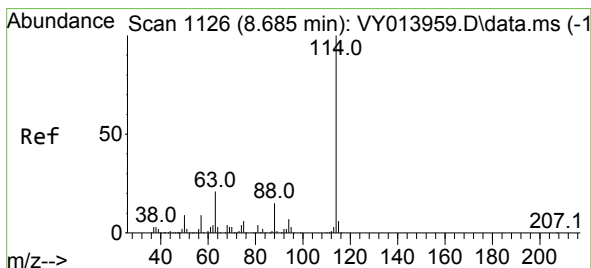
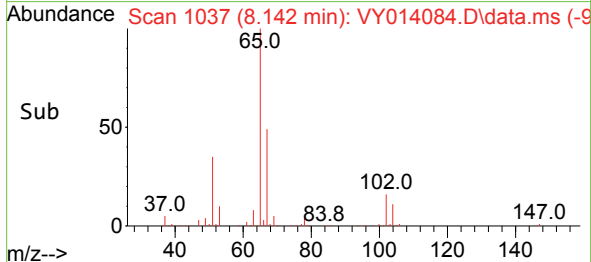
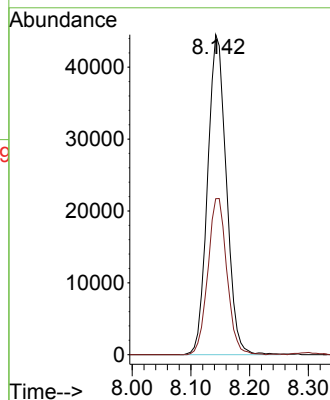
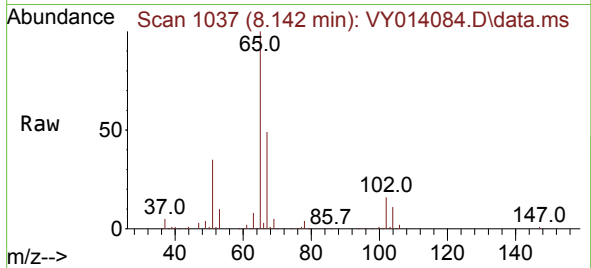




#33
1,2-Dichloroethane-d4
Concen: 51.535 ug/l
RT: 8.142 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

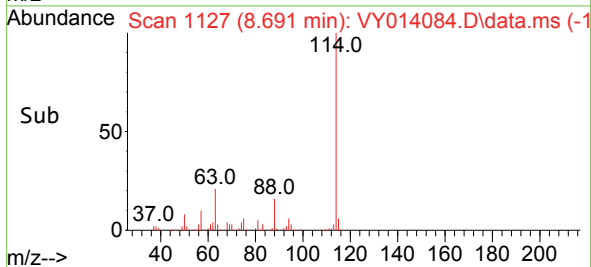
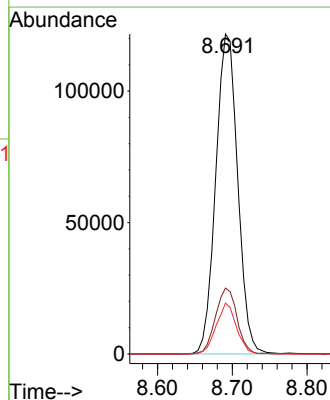
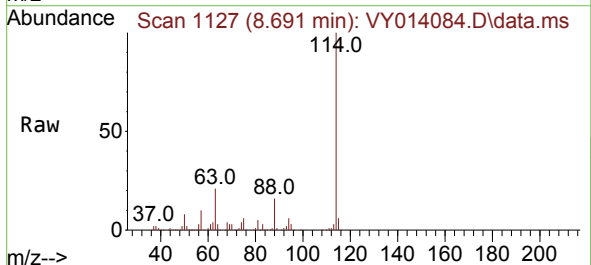
Instrument :
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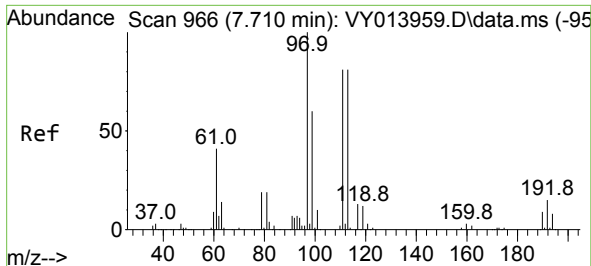
Tgt Ion: 65 Resp: 98817
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 114 Resp: 248716
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.4
88 15.9 0.0 30.6

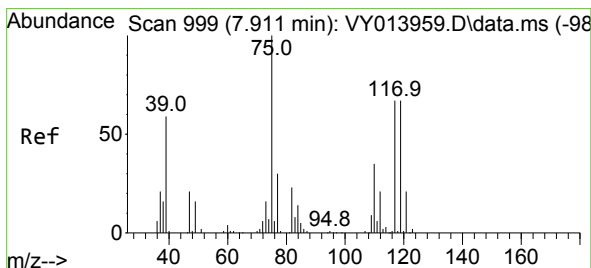
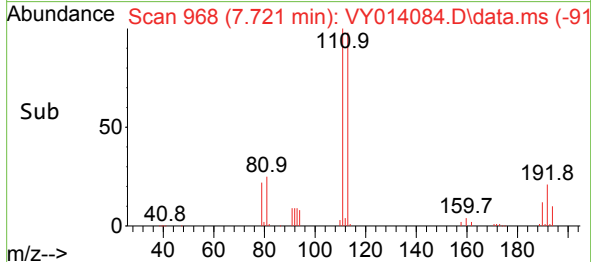
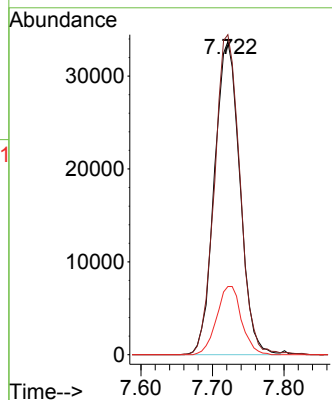
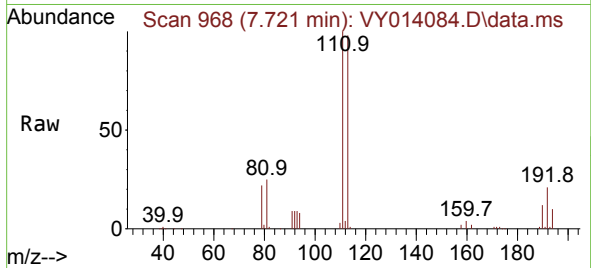




#35
Dibromofluoromethane
Concen: 52.675 ug/l
RT: 7.721 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

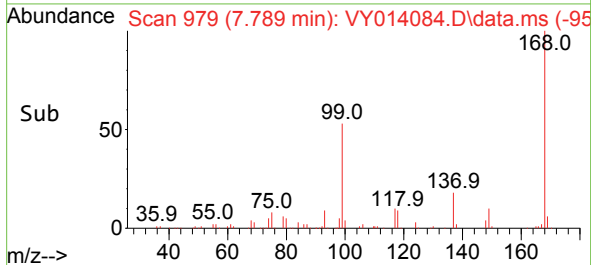
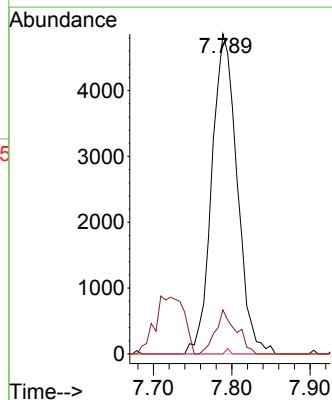
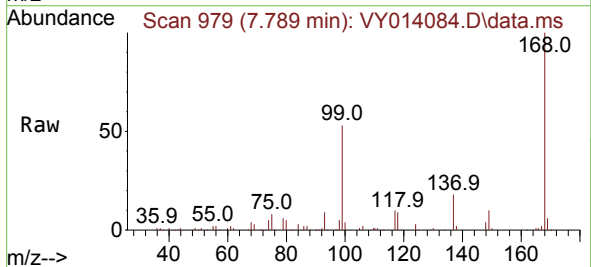
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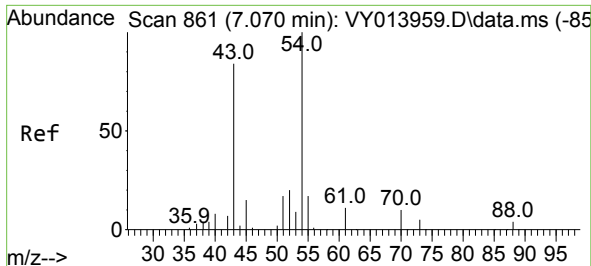
Tgt Ion:113 Resp: 83259
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 75 Resp: 10942
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 24.4 36.6#

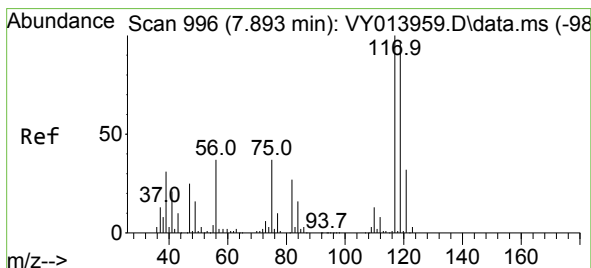
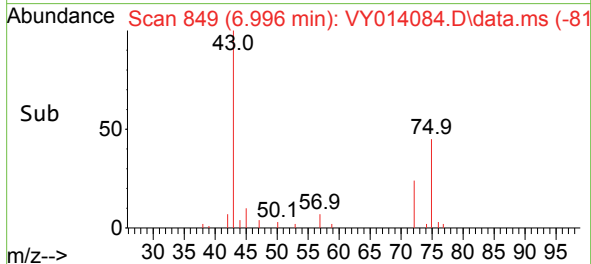
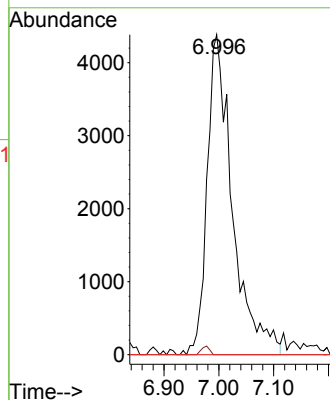
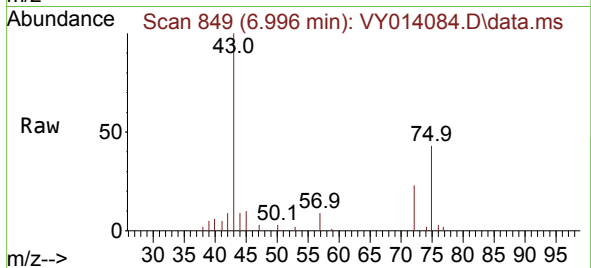




#37
Ethyl Acetate
Concen: 7.148 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.074 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

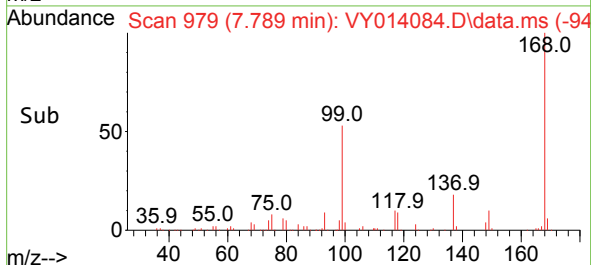
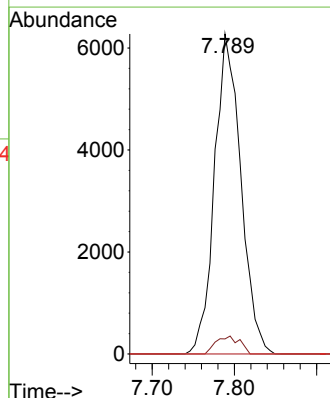
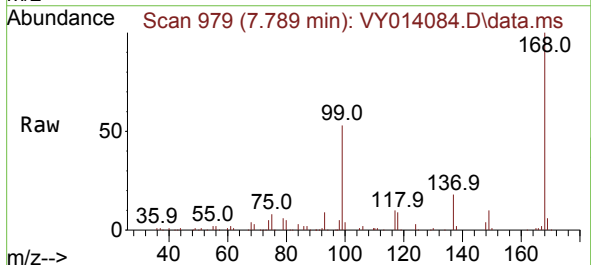
Instrument :
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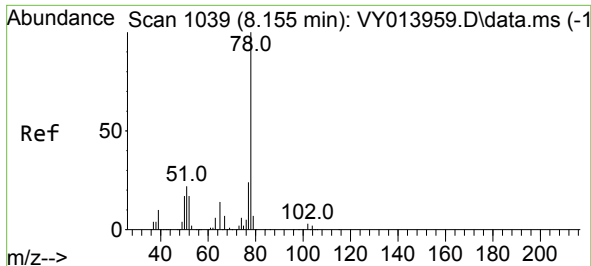
Tgt Ion: 43 Resp: 14034
Ion Ratio Lower Upper
43 100
61 0.8 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 117 Resp: 13958
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

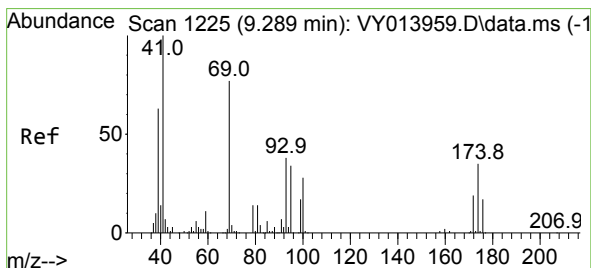
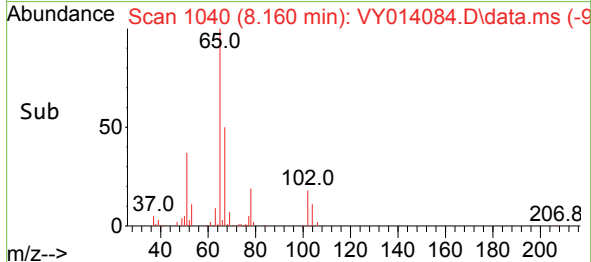
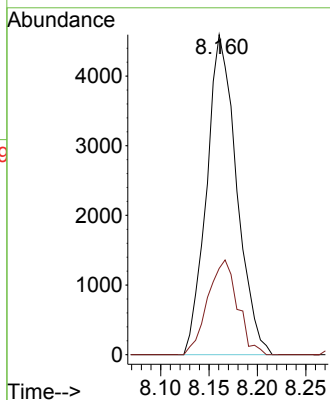
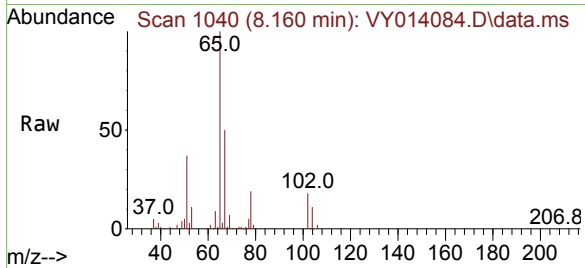




#40
Benzene
Concen: 1.430 ug/l
RT: 8.160 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

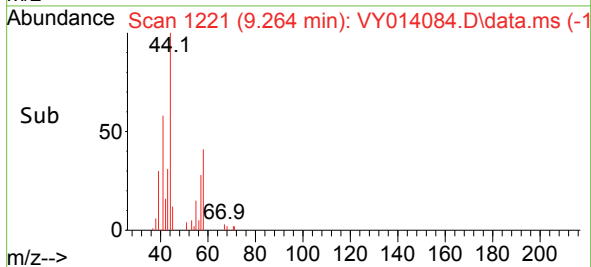
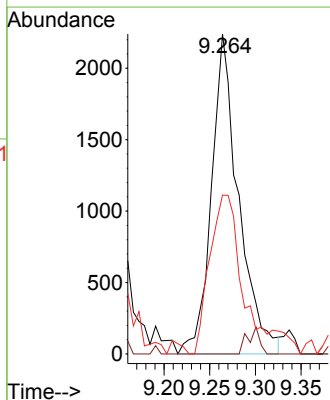
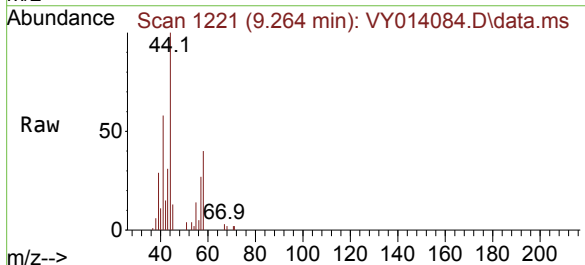
Instrument :
MSVOA_Y
ClientSampleId :
30101

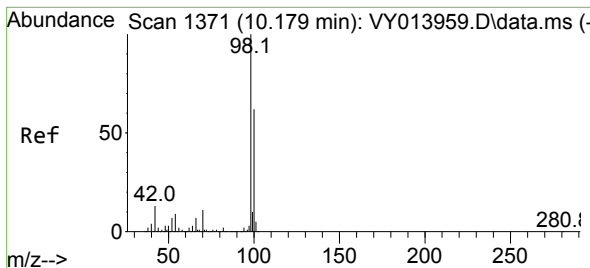
Tgt Ion: 78 Resp: 9933
Ion Ratio Lower Upper
78 100
77 26.9 19.0 28.6



#48
Methyl methacrylate
Concen: 3.072 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.025 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 41 Resp: 4623
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 57.7 50.8 76.2





#50

Toluene-d8

Concen: 51.713 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014084.D

Acq: 08 Jun 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

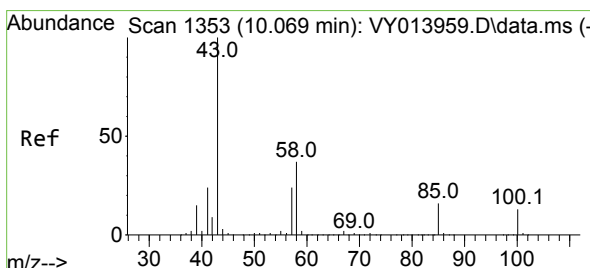
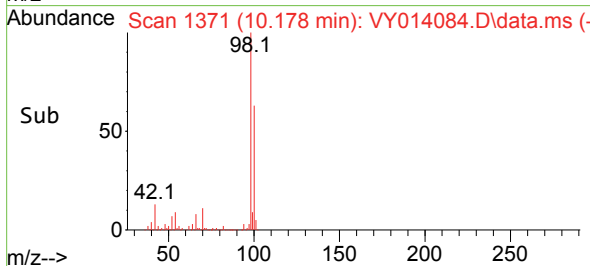
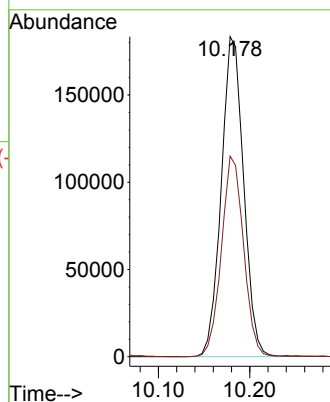
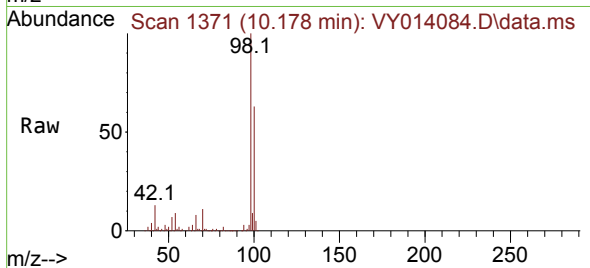
30101

Tgt Ion: 98 Resp: 311786

Ion Ratio Lower Upper

98 100

100 62.2 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 5.683 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY014084.D

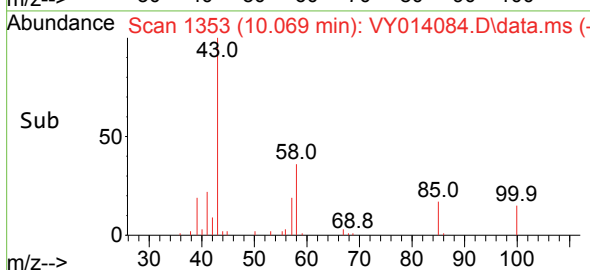
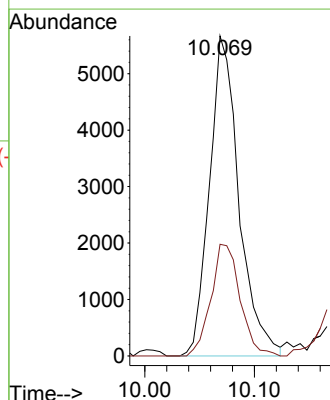
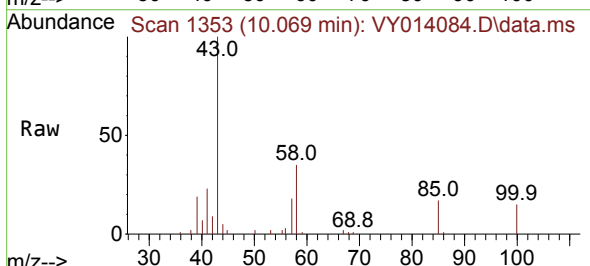
Acq: 08 Jun 2023 19:36

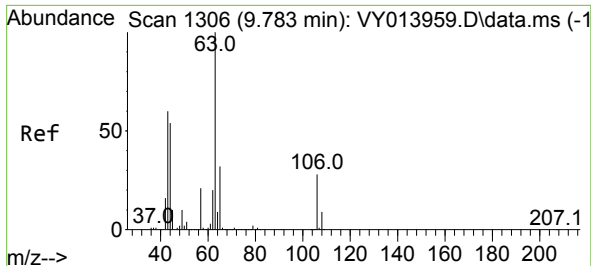
Tgt Ion: 43 Resp: 10612

Ion Ratio Lower Upper

43 100

58 34.4 29.0 43.6

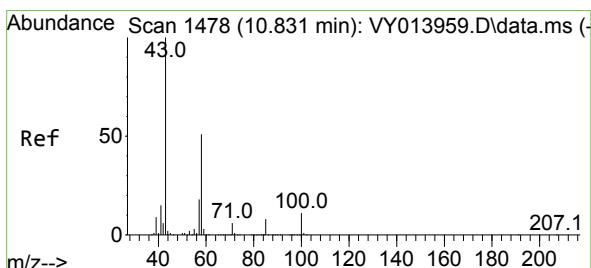
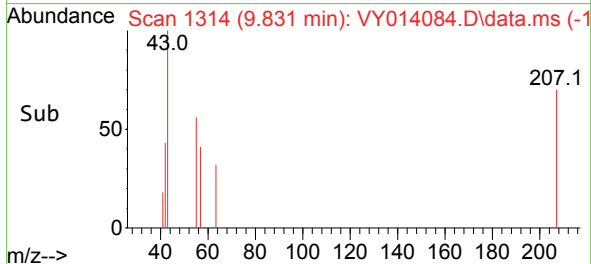
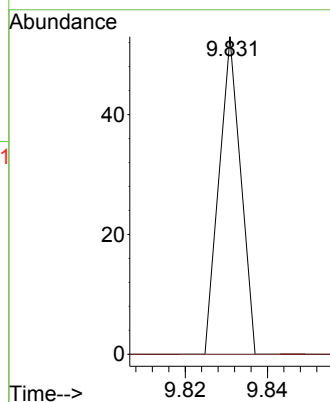
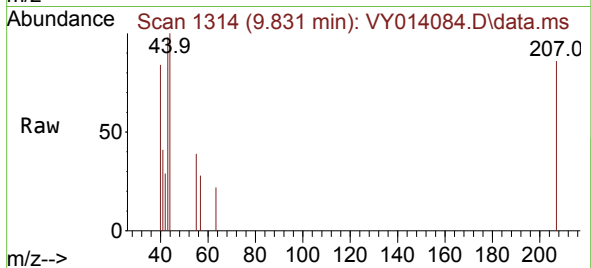




#58
2-Chloroethyl Vinyl ether
Concen: 23.122 ug/l
RT: 9.831 min Scan# 11
Delta R.T. 0.048 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

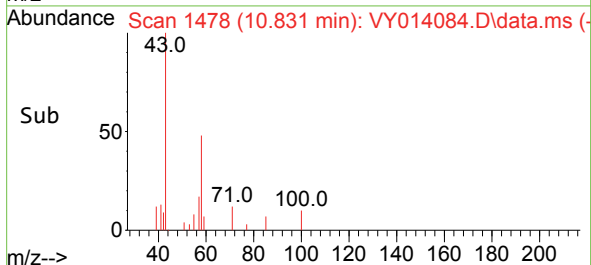
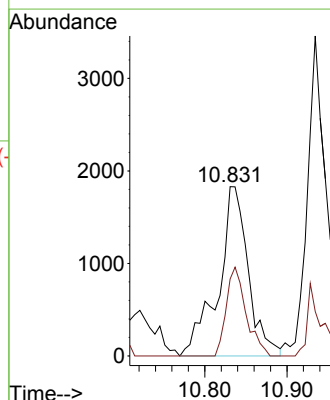
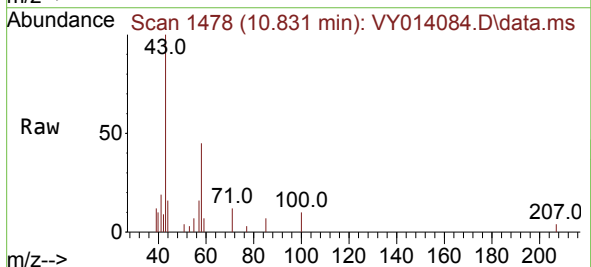
Instrument :
MSVOA_Y
ClientSampleId :
30101

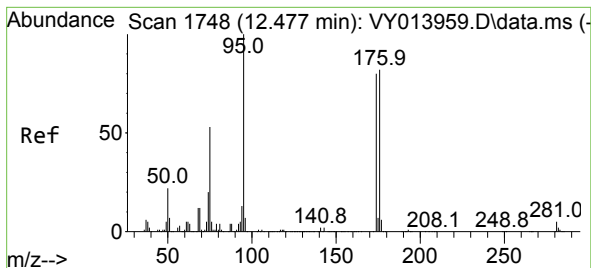
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#59
2-Hexanone
Concen: 3.435 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 43 Resp: 4645
Ion Ratio Lower Upper
43 100
58 34.6 25.1 75.3





#62

4-Bromofluorobenzene

Concen: 54.620 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014084.D

Acq: 08 Jun 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

30101

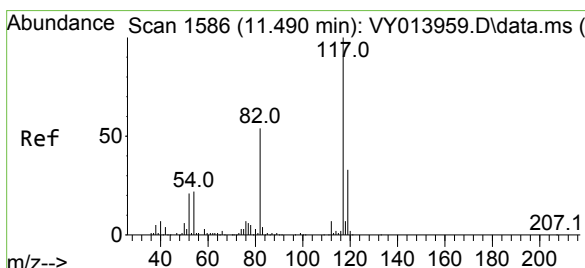
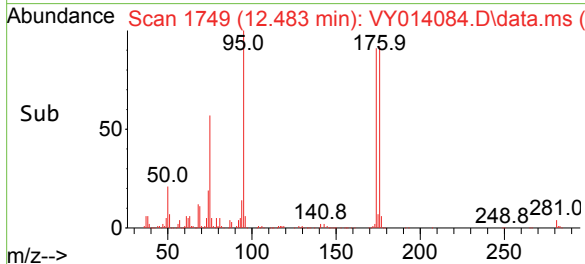
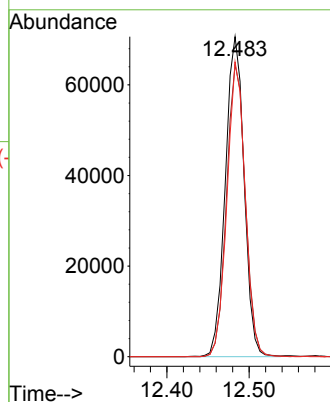
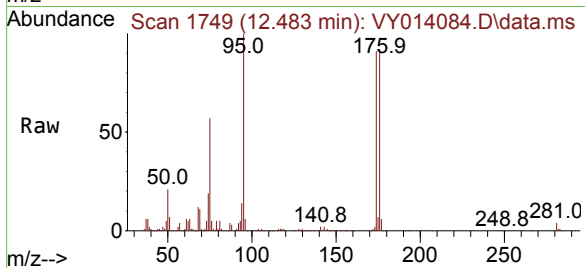
Tgt Ion: 95 Resp: 112268

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 89.4 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY014084.D

Acq: 08 Jun 2023 19:36

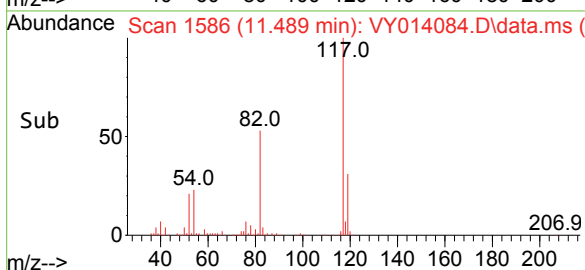
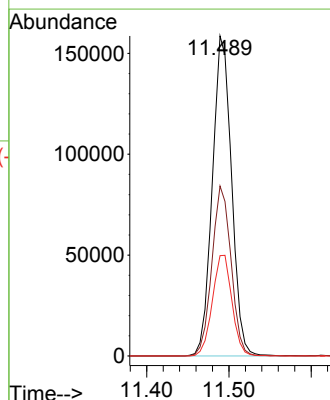
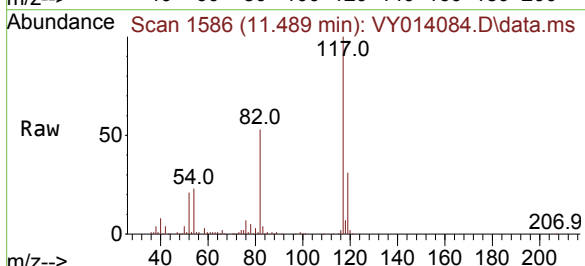
Tgt Ion: 117 Resp: 257534

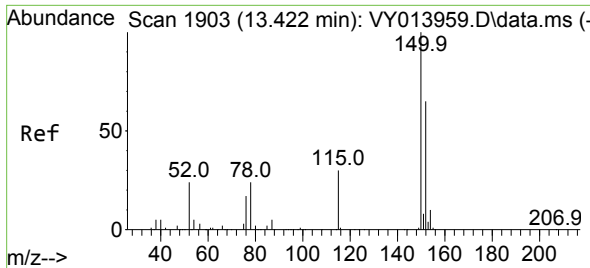
Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.3 26.3 39.5

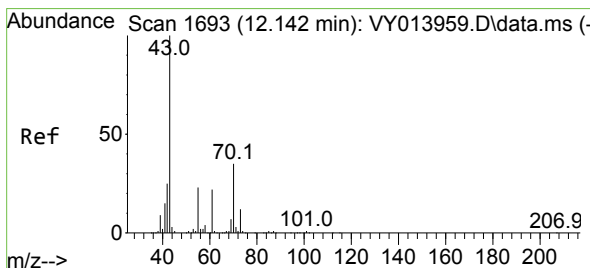
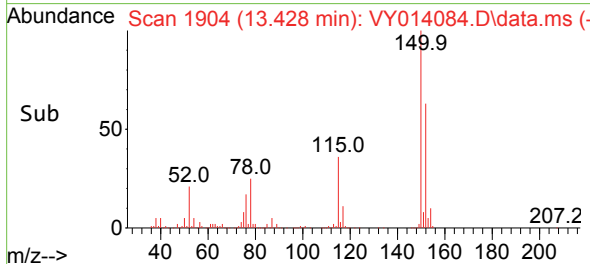
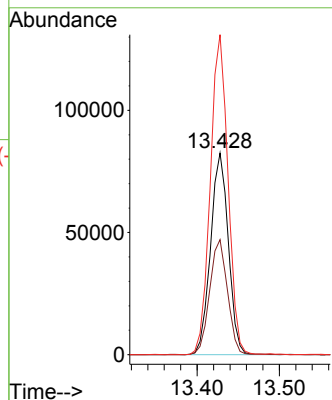
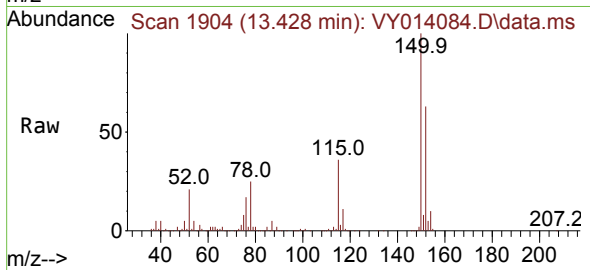




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

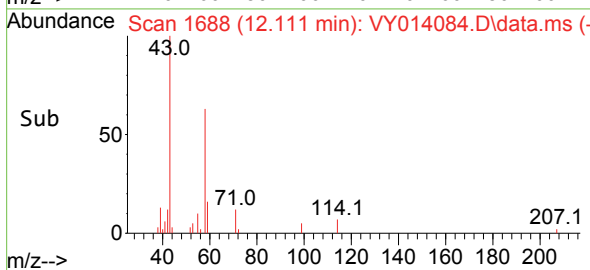
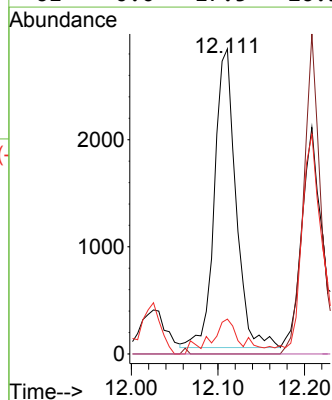
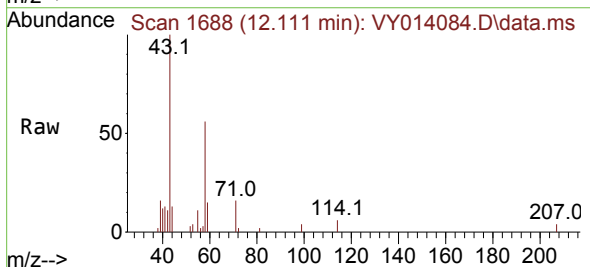
Instrument :
MSVOA_Y
ClientSampleId :
30101

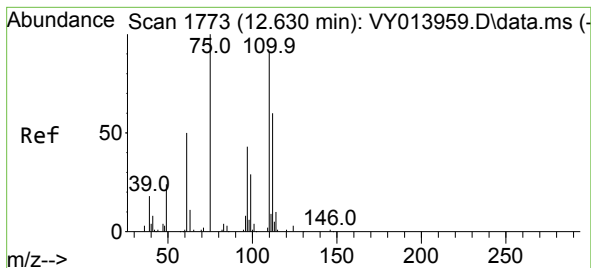
Tgt Ion:152 Resp: 123799
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 157.8 0.0 348.8



#74
N-ethyl acetate
Concen: 1.529 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.031 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 43 Resp: 4792
Ion Ratio Lower Upper
43 100
70 0.0 29.7 44.5#
55 13.5 18.3 27.5#
61 0.0 17.5 26.3#

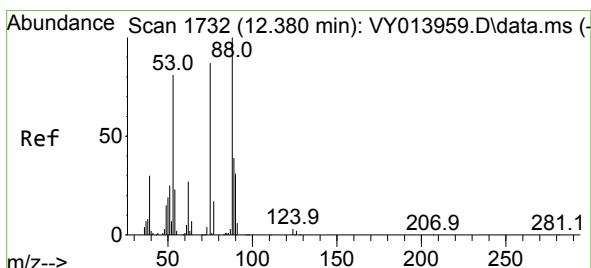
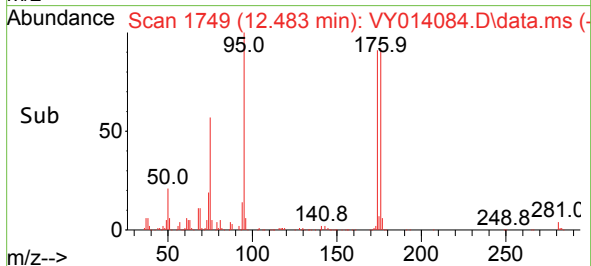
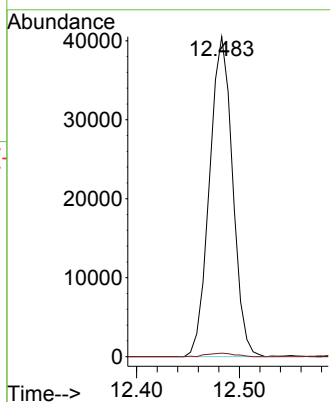
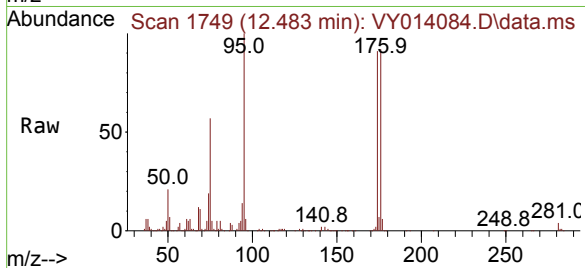




#76
1,2,3-Trichloropropane
Concen: 37.928 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

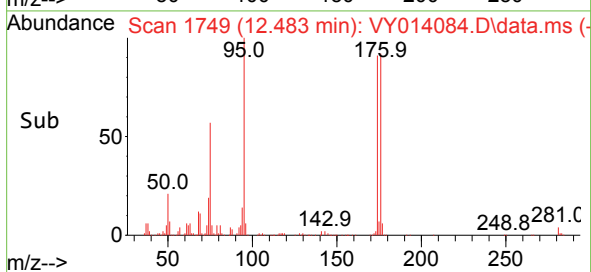
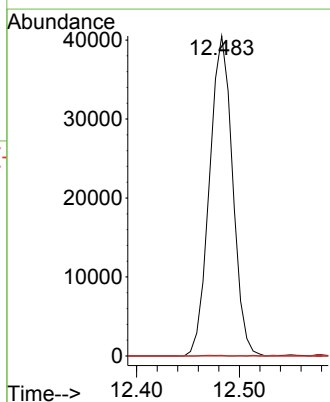
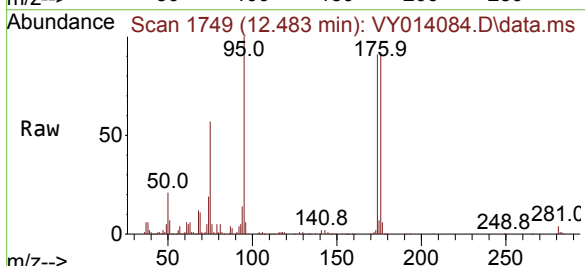
Instrument :
MSVOA_Y
ClientSampleId :
30101

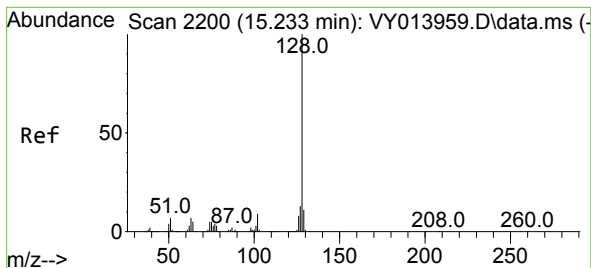
Tgt Ion: 75 Resp: 63186
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.464 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY014084.D
Acq: 08 Jun 2023 19:36

Tgt Ion: 75 Resp: 63186
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 4.038 ug/l

RT: 15.238 min Scan# 21

Delta R.T. 0.005 min

Lab File: VY014084.D

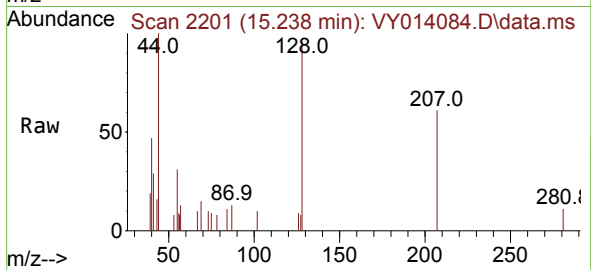
Acq: 08 Jun 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

30101



Tgt Ion:128 Resp: 986

Ion Ratio Lower Upper

128 100

127 6.8 10.8 16.2#

129 4.5 8.6 13.0#

