

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060823\
 Data File : VY014082.D
 Acq On : 08 Jun 2023 18:49
 Operator : KP/MD
 Sample : 03072-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30999

Quant Time: Jun 09 04:23:42 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)

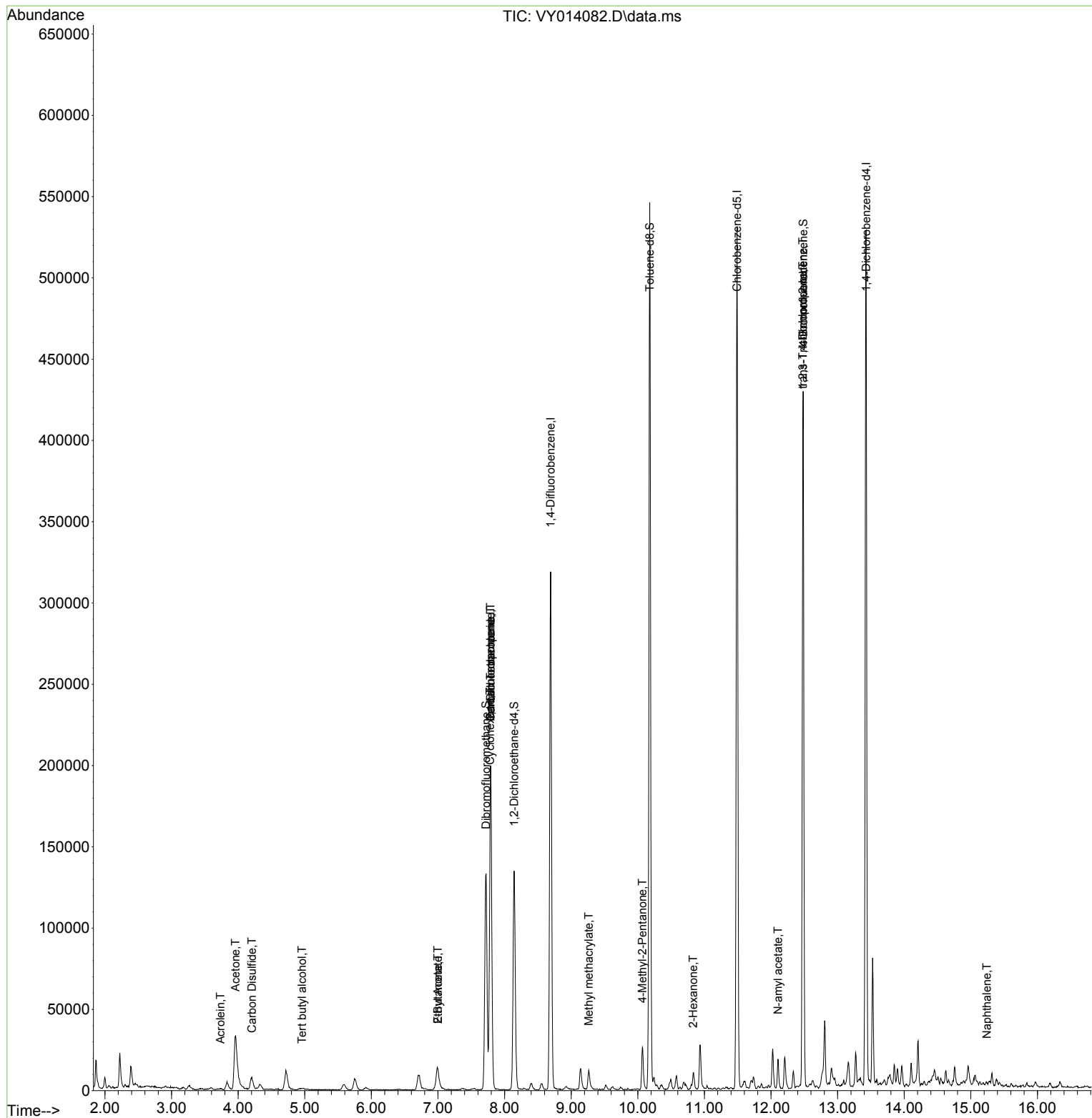
Internal Standards						
1) Pentafluorobenzene	7.789	168	153315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	108819	53.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.240%	
35) Dibromofluoromethane	7.722	113	90534	53.994	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.980%	
50) Toluene-d8	10.178	98	347067	54.265	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.520%	
62) 4-Bromofluorobenzene	12.483	95	119073	54.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	1196	2.867	ug/l #	90
13) Acrolein	3.734	56	440	2.304	ug/l #	37
16) Acetone	3.960	43	75834	109.213	ug/l	97
17) Carbon Disulfide	4.204	76	14562	2.922	ug/l #	95
25) 2-Butanone	6.996	43	17966	20.769	ug/l	94
31) Cyclohexane	7.783	56	3493	1.429	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	11626	4.867	ug/l #	52
37) Ethyl Acetate	6.996	43	17966	8.626	ug/l #	72
38) Carbon Tetrachloride	7.789	117	15239	5.693	ug/l #	18
48) Methyl methacrylate	9.264	41	3784	2.371	ug/l #	47
51) 4-Methyl-2-Pentanone	10.069	43	17866	9.020	ug/l	96
59) 2-Hexanone	10.831	43	9109	6.351	ug/l	79
74) N-amyl acetate	12.105	43	10350	2.962	ug/l #	52
76) 1,2,3-Trichloropropane	12.477	75	67369	36.287	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67369	76.983	ug/l #	11
95) Naphthalene	15.239	128	1494	4.095	ug/l	97

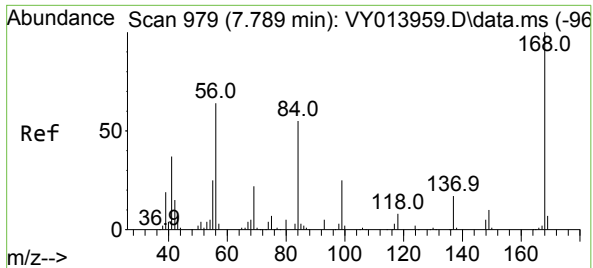
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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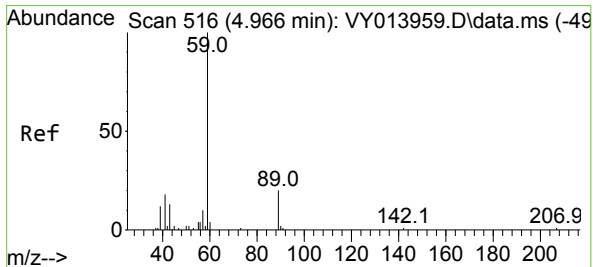
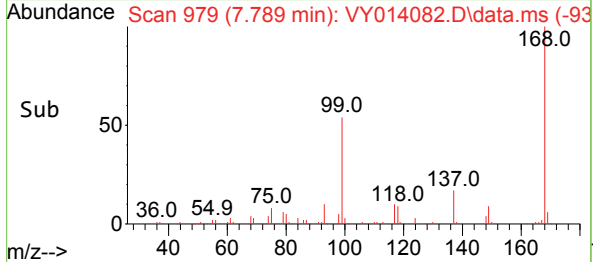
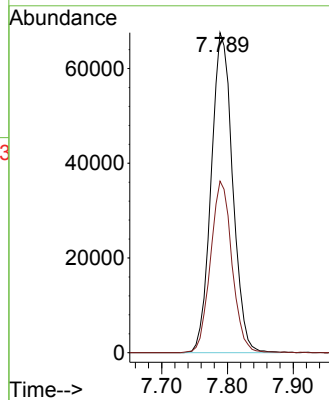
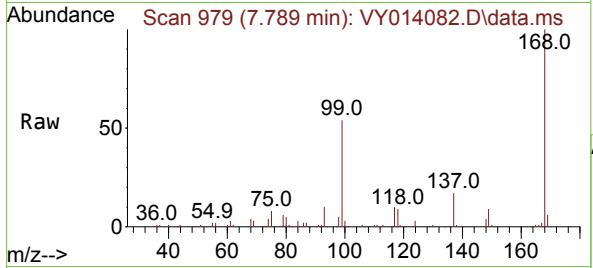




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

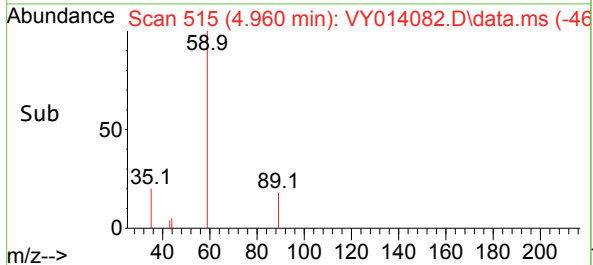
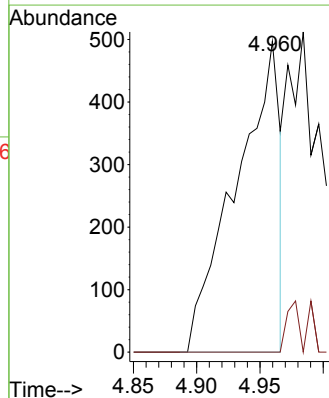
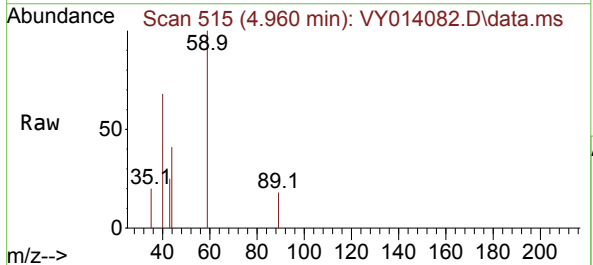
Instrument :
MSVOA_Y
ClientSampleId :
30999

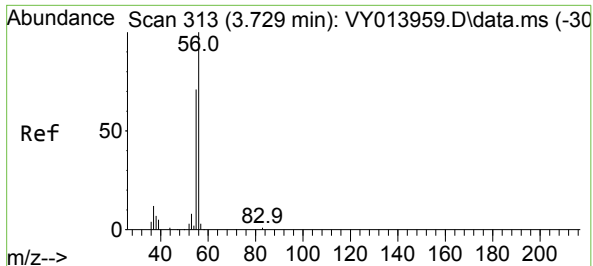
Tgt Ion:168 Resp: 153315
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.867 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 59 Resp: 1196
Ion Ratio Lower Upper
59 100
57 7.0 3.0 4.4#

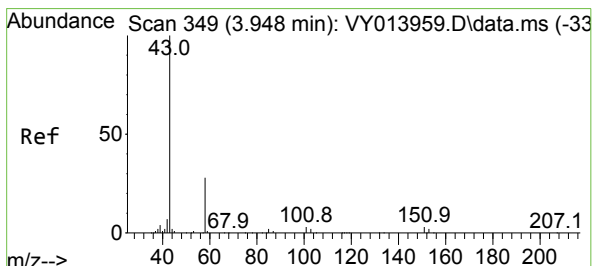
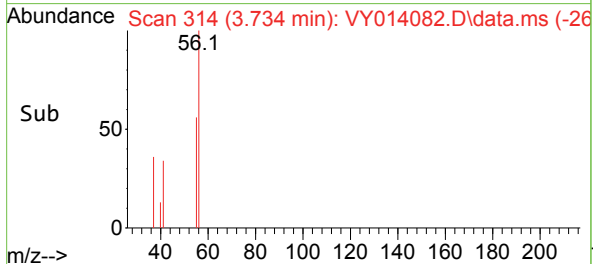
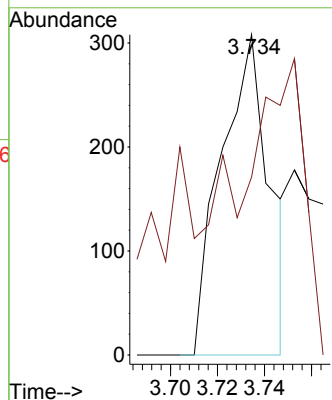
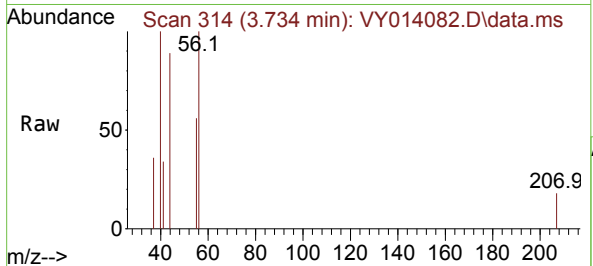




#13
Acrolein
Concen: 2.304 ug/l
RT: 3.734 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

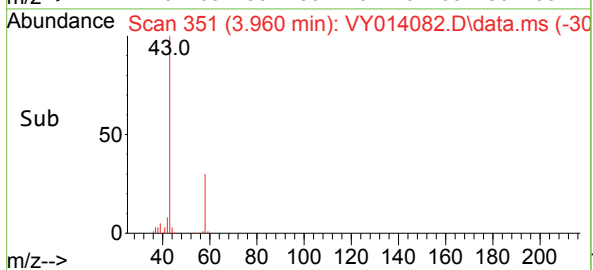
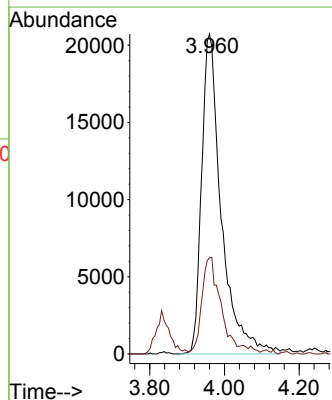
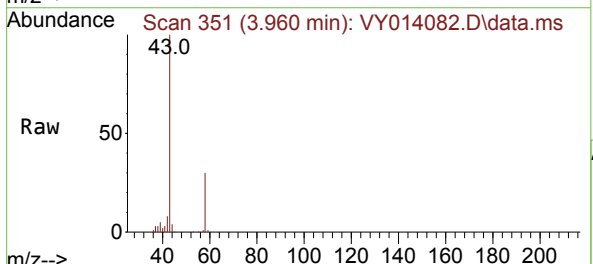
Instrument :
MSVOA_Y
ClientSampleId :
30999

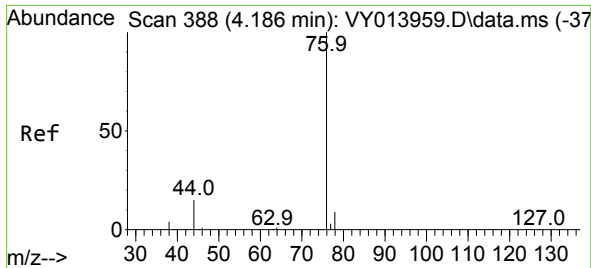
Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 123.2 57.0 85.4#



#16
Acetone
Concen: 109.213 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 43 Resp: 75834
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1

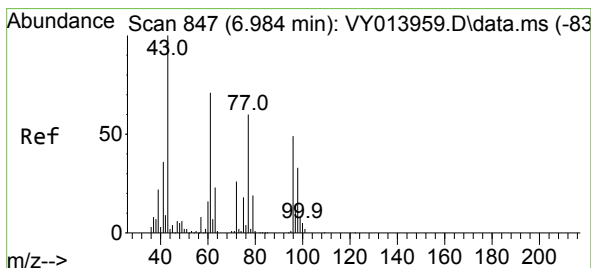
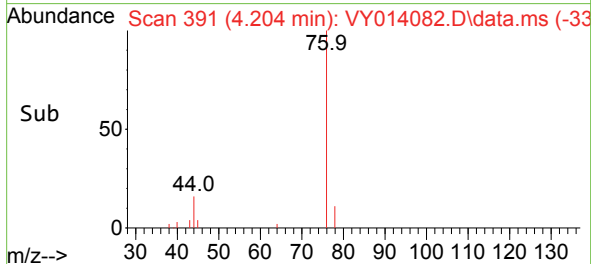
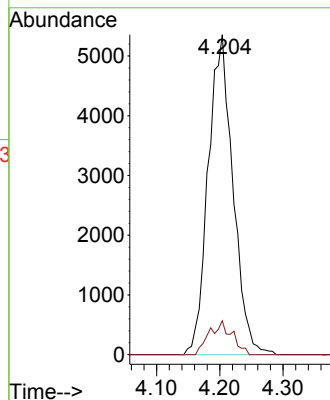
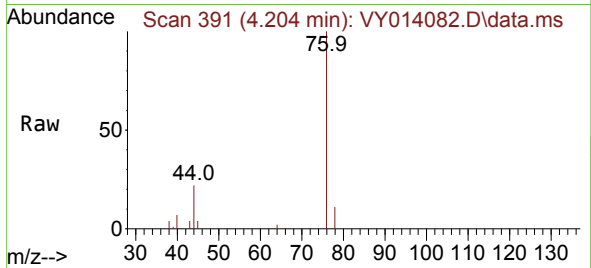




#17
Carbon Disulfide
Concen: 2.922 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

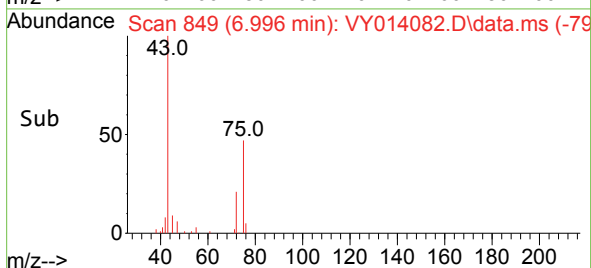
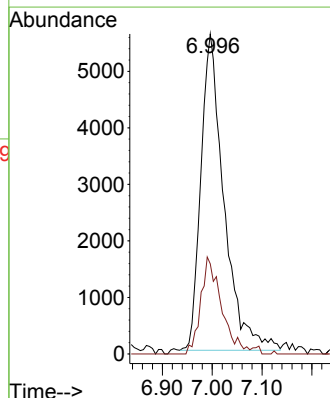
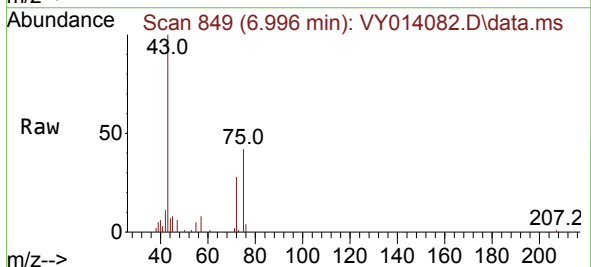
Instrument :
MSVOA_Y
ClientSampleId :
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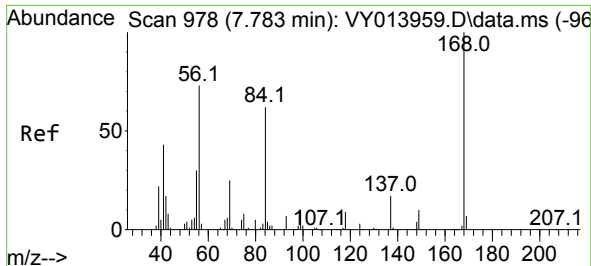
Tgt Ion: 76 Resp: 14562
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4#



#25
2-Butanone
Concen: 20.769 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 43 Resp: 17966
Ion Ratio Lower Upper
43 100
72 28.5 20.5 30.7

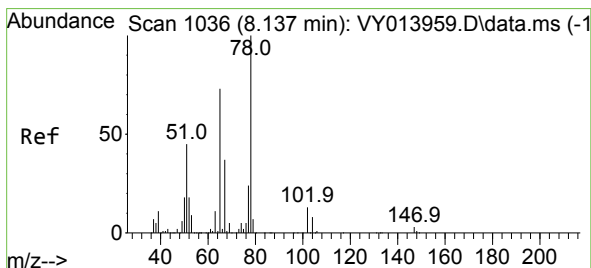
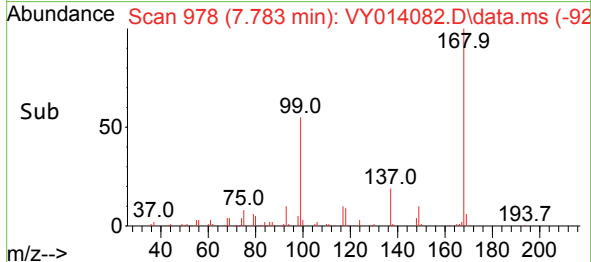
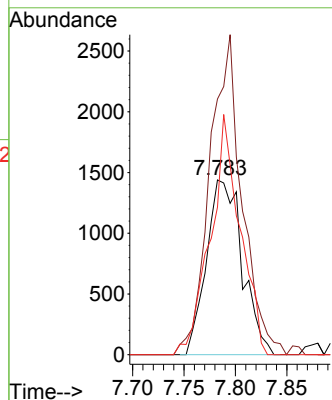
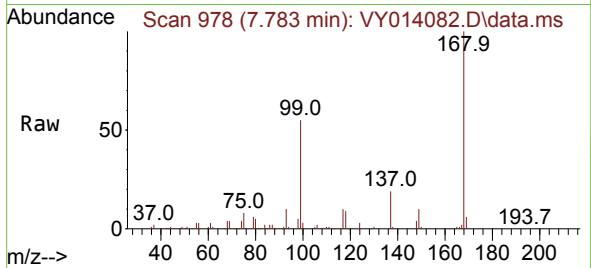




#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

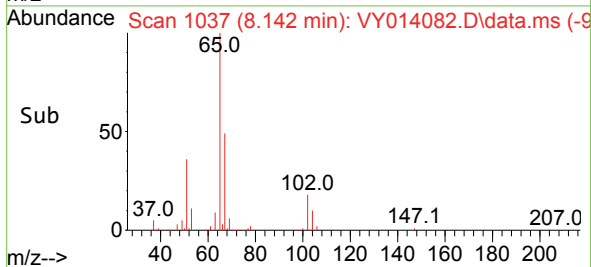
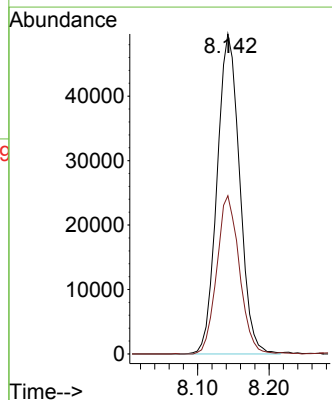
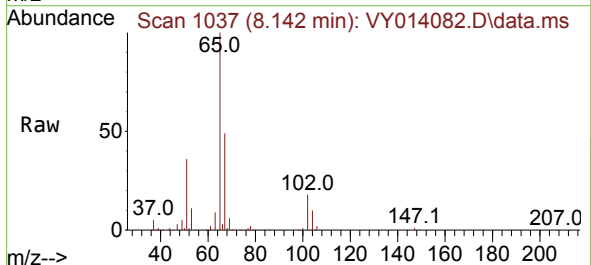
Instrument :
MSVOA_Y
ClientSampleId :
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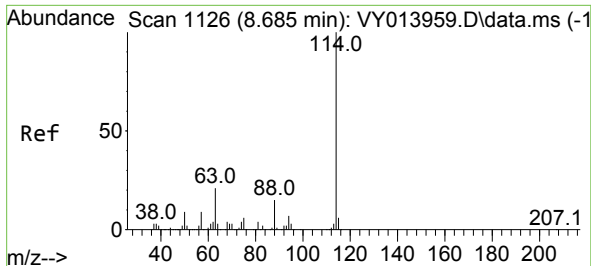
Tgt Ion: 56 Resp: 3493
Ion Ratio Lower Upper
56 100
69 140.5 27.8 41.6#
84 93.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.618 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 65 Resp: 108819
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8

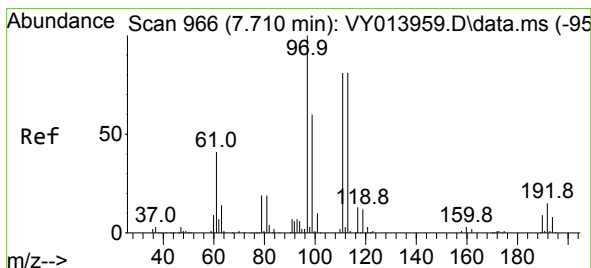
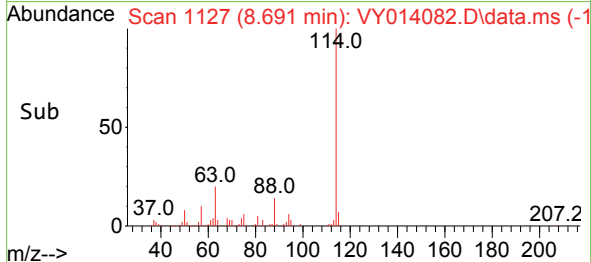
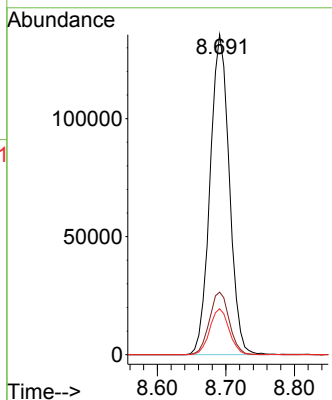
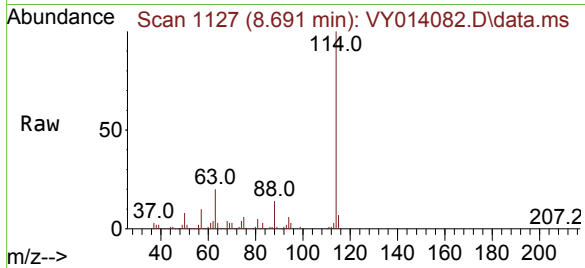




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

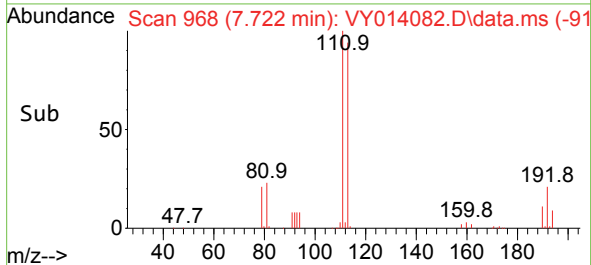
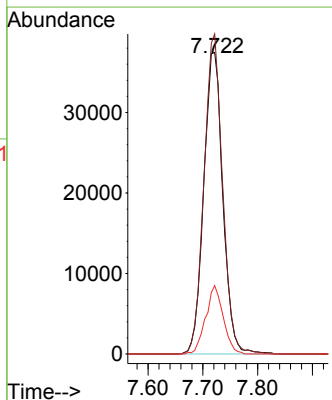
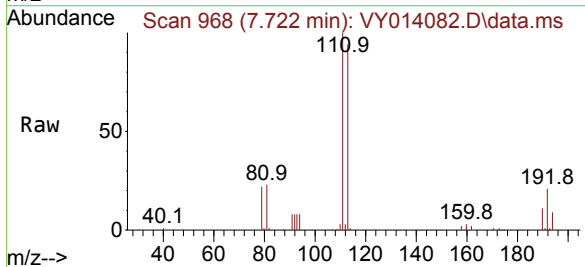
Instrument :
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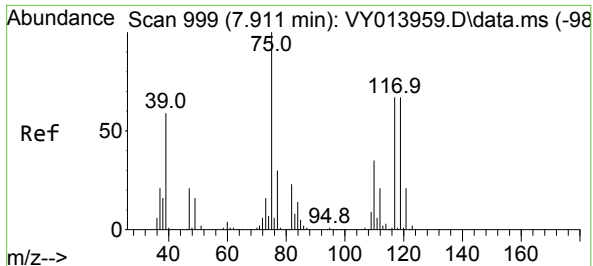
Tgt Ion:114 Resp: 263842
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.994 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion:113 Resp: 90534
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 20.8 16.9 25.3

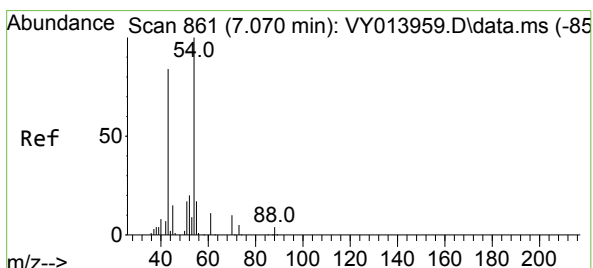
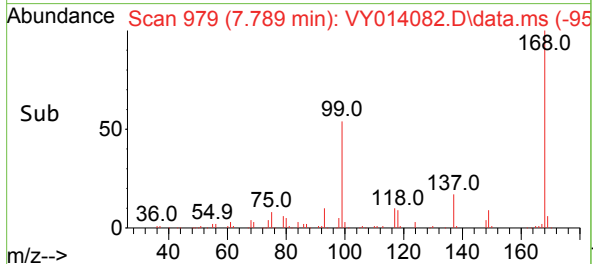
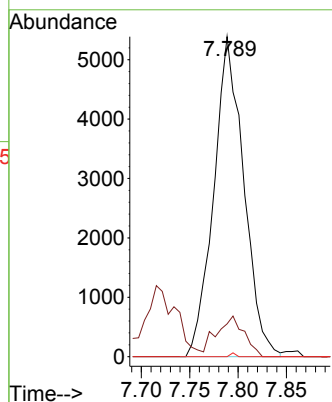
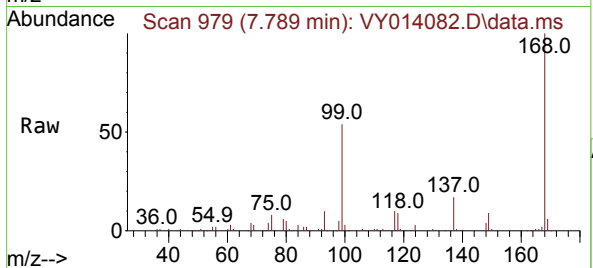




#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

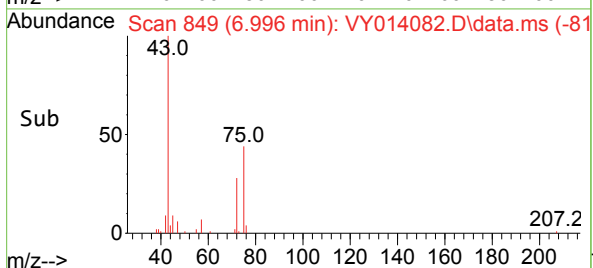
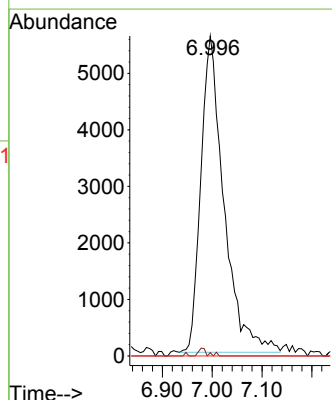
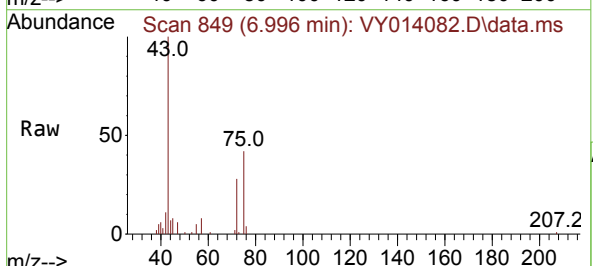
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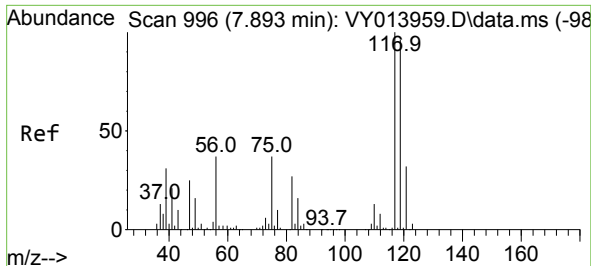
Tgt Ion: 75 Resp: 11626
Ion Ratio Lower Upper
75 100
110 11.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 8.626 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.074 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

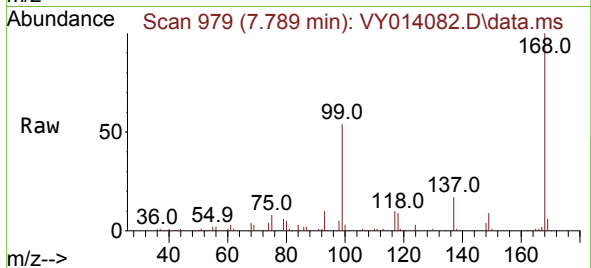
Tgt Ion: 43 Resp: 17966
Ion Ratio Lower Upper
43 100
61 0.9 10.1 15.1#
70 0.0 7.1 10.7#



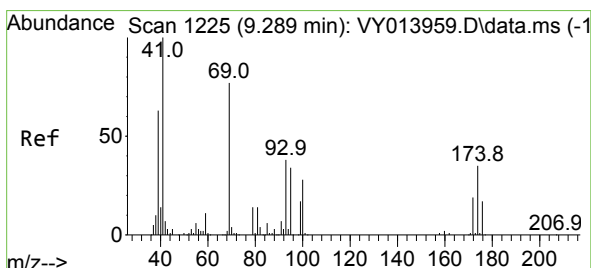
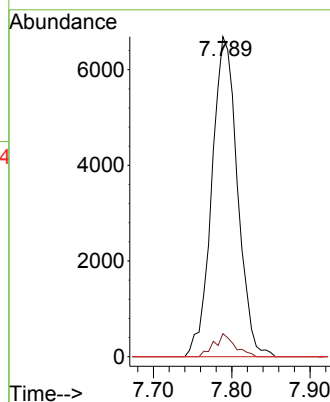
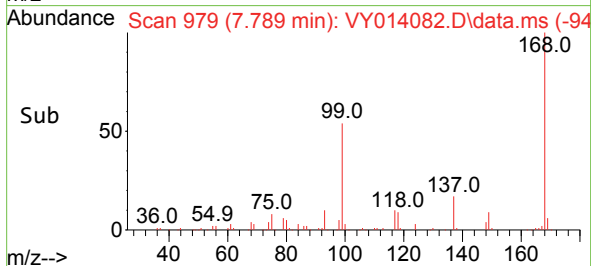


#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Instrument :
MSVOA_Y
ClientSampleId :
30999

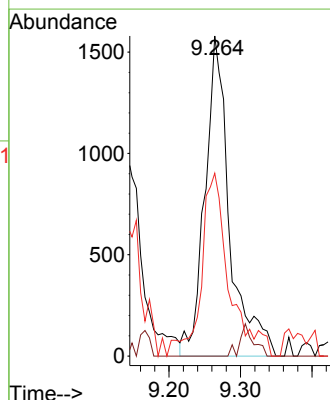
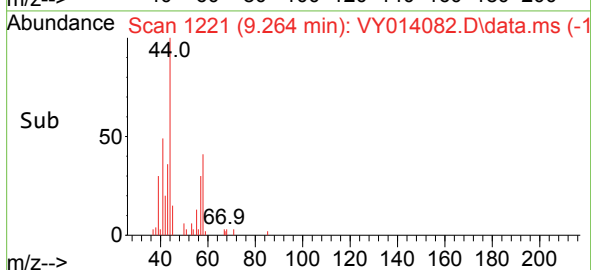
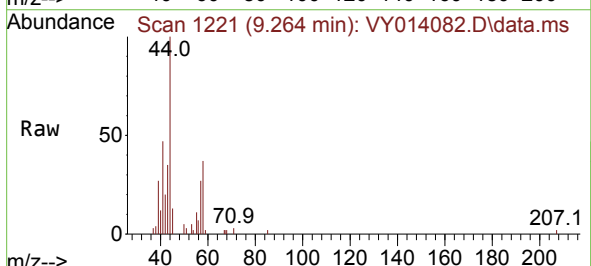


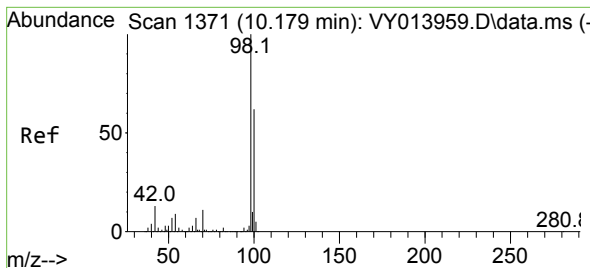
Tgt Ion:117 Resp: 15239
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#



#48
Methyl methacrylate
Concen: 2.371 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.025 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 41 Resp: 3784
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 60.5 50.8 76.2





#50

Toluene-d8

Concen: 54.265 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014082.D

Acq: 08 Jun 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

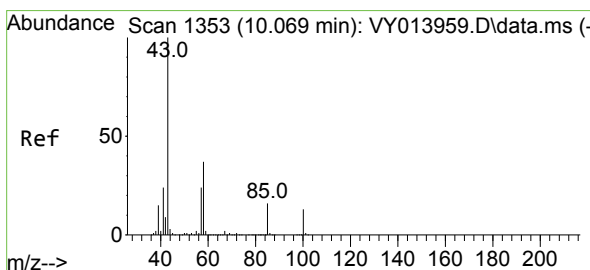
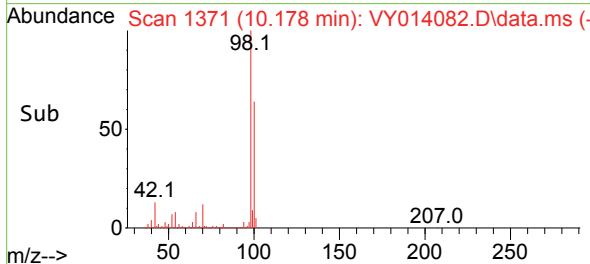
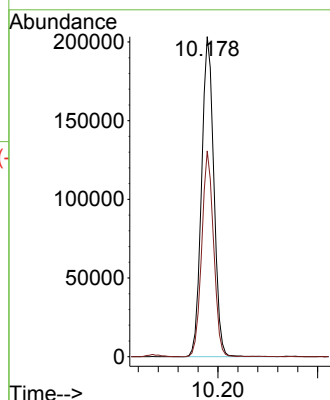
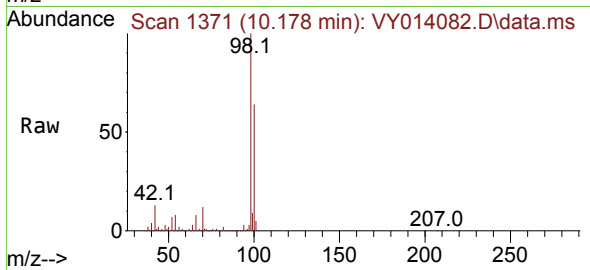
30999

Tgt Ion: 98 Resp: 347067

Ion Ratio Lower Upper

98 100

100 62.1 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 9.020 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY014082.D

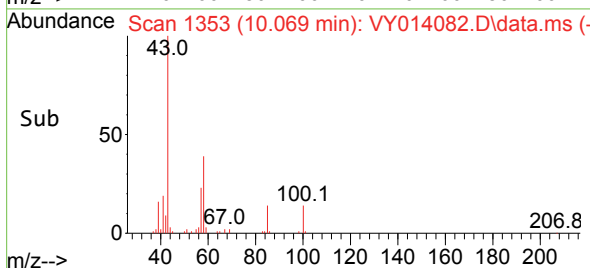
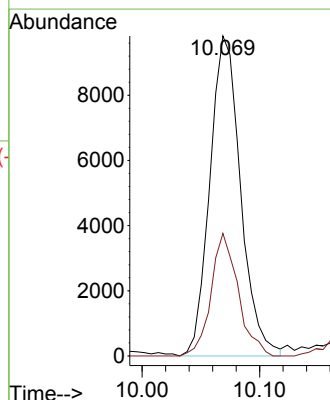
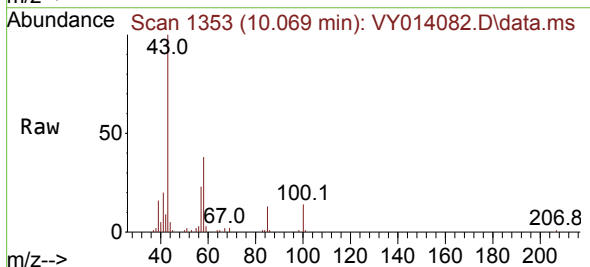
Acq: 08 Jun 2023 18:49

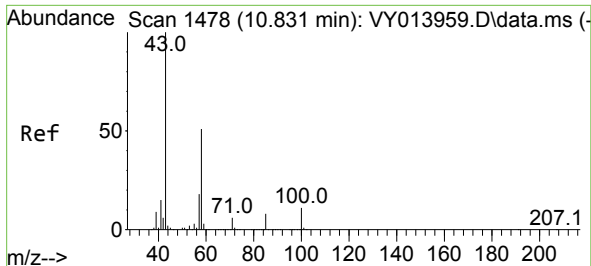
Tgt Ion: 43 Resp: 17866

Ion Ratio Lower Upper

43 100

58 33.8 29.0 43.6

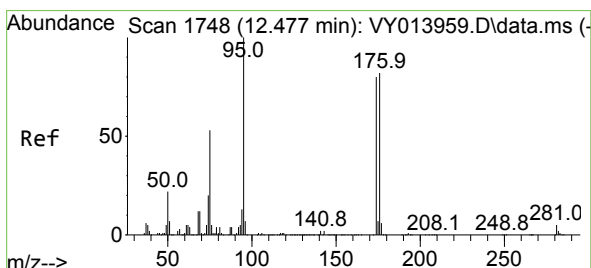
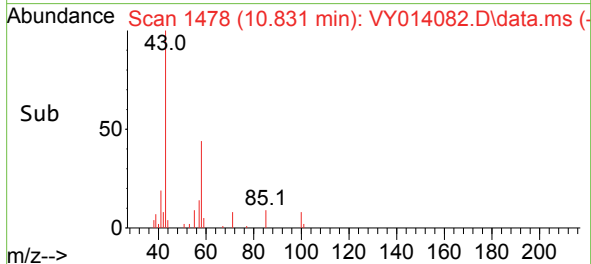
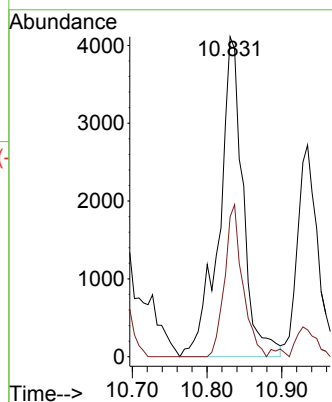
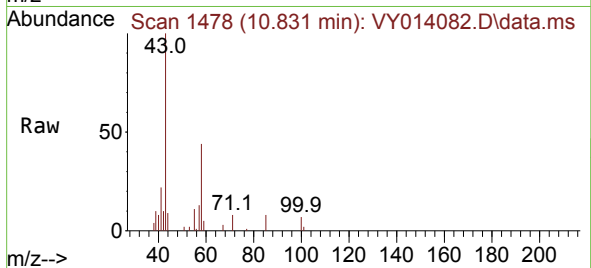




#59
2-Hexanone
Concen: 6.351 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

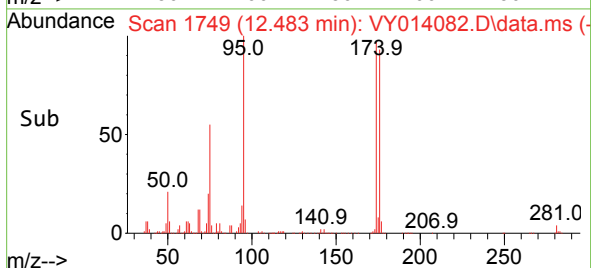
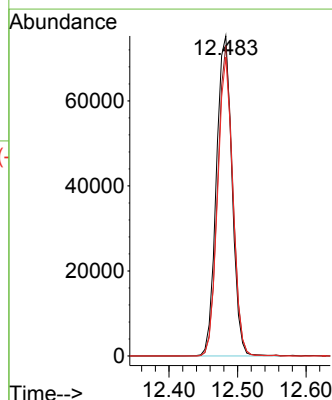
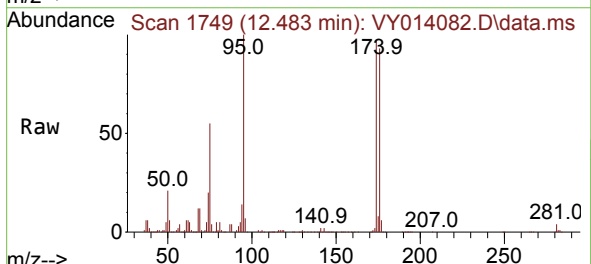
Instrument :
MSVOA_Y
ClientSampleId :
30999

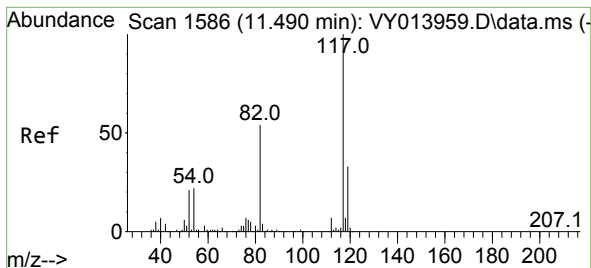
Tgt Ion: 43 Resp: 9109
Ion Ratio Lower Upper
43 100
58 35.8 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 54.609 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 95 Resp: 119073
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 90.5 0.0 173.8

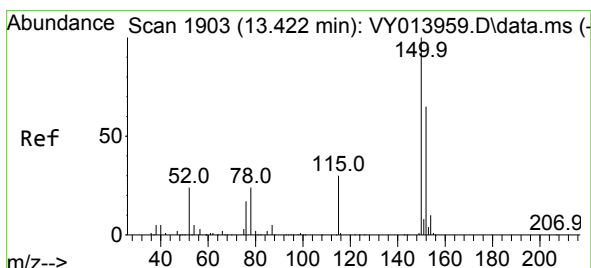
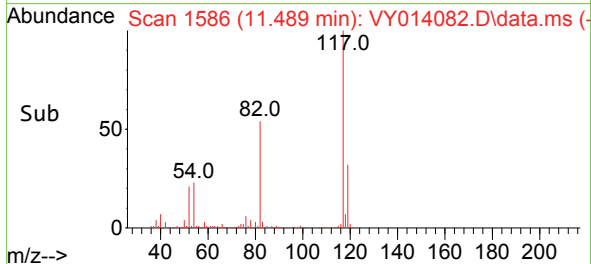
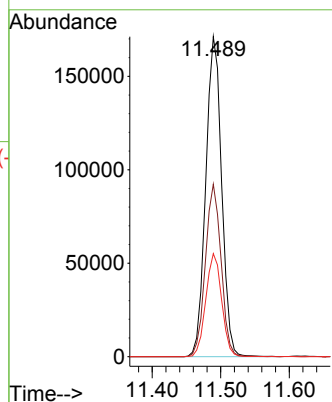
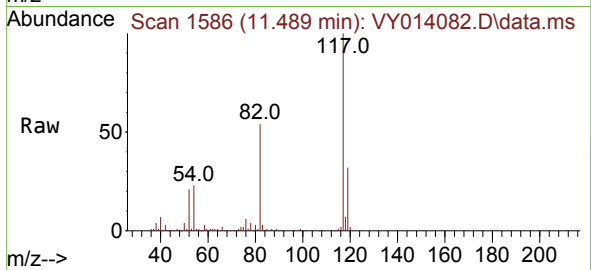




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

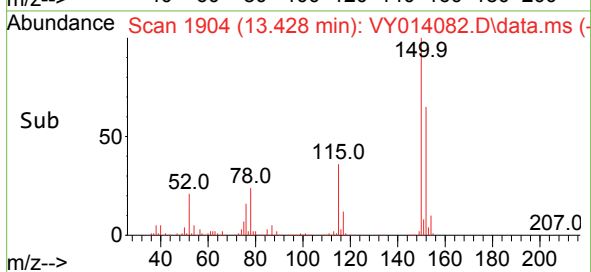
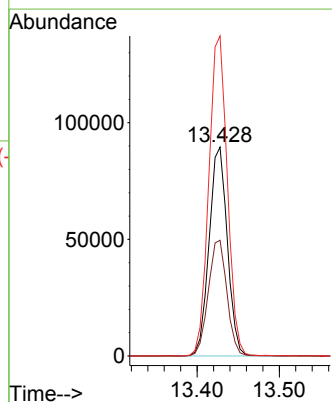
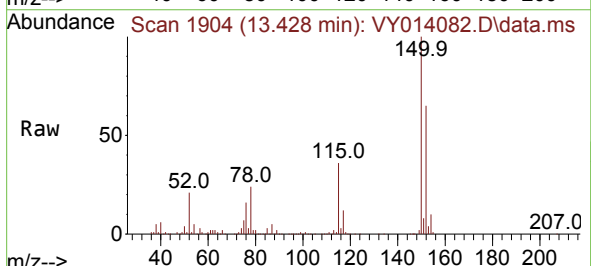
Instrument :
MSVOA_Y
ClientSampleId :
30999

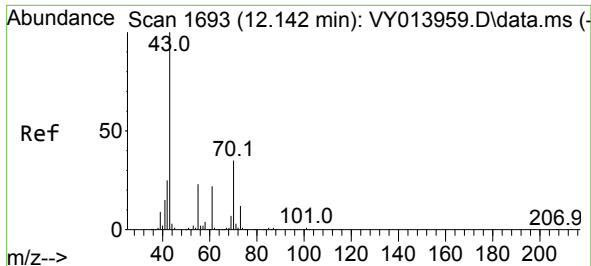
Tgt Ion:117 Resp: 276421
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion:152 Resp: 137963
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.5
150 155.5 0.0 348.8

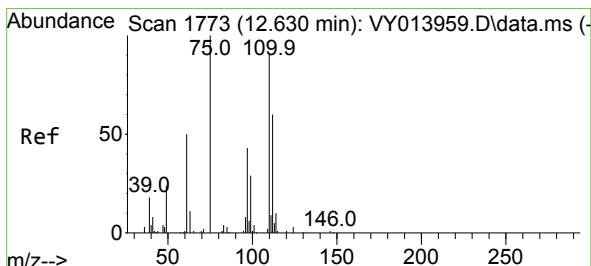
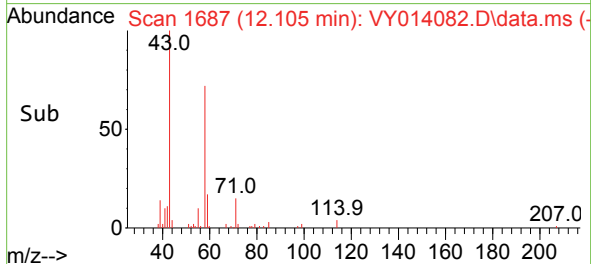
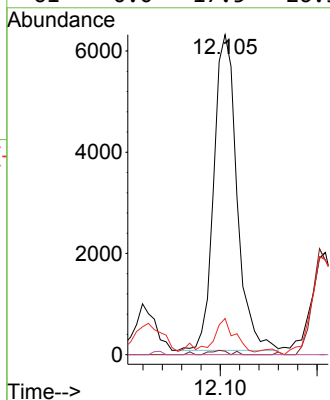
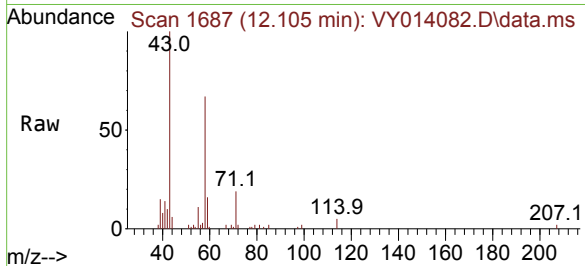




#74
N-ethyl acetate
Concen: 2.962 ug/l
RT: 12.105 min Scan# 1748
Delta R.T. -0.037 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

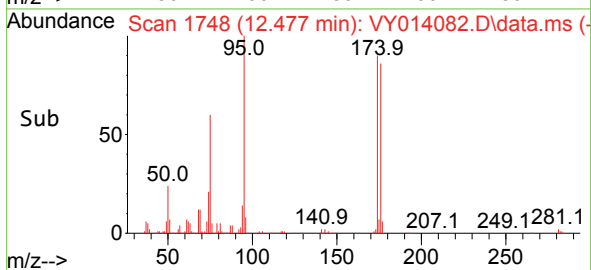
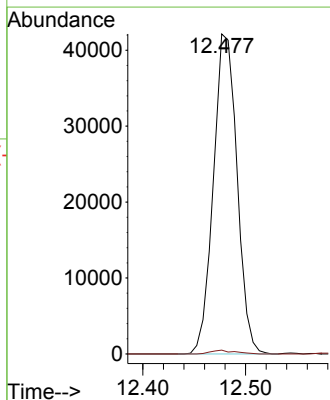
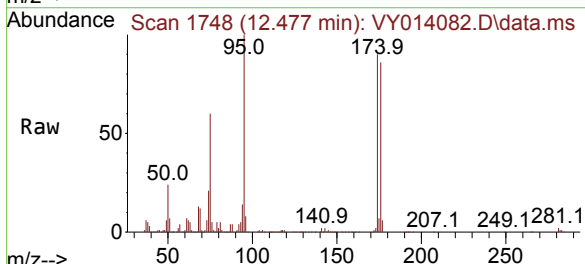
Instrument :
MSVOA_Y
ClientSampleId :
30999

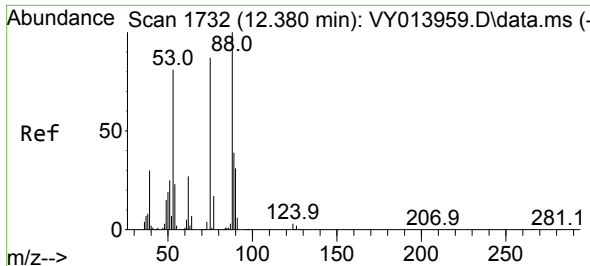
Tgt Ion: 43	Resp:	10350
Ion	Ratio	Lower Upper
43	100	
70	1.1	29.7 44.5#
55	8.1	18.3 27.5#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 36.287 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion: 75	Resp:	67369
Ion	Ratio	Lower Upper
75	100	
77	1.2	0.0 0.0#

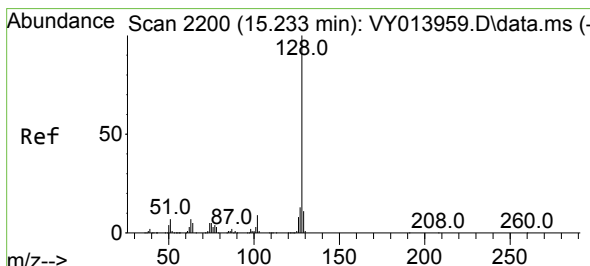
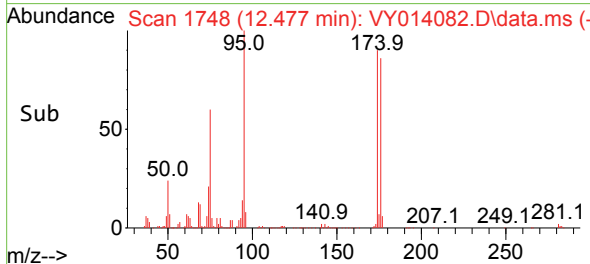
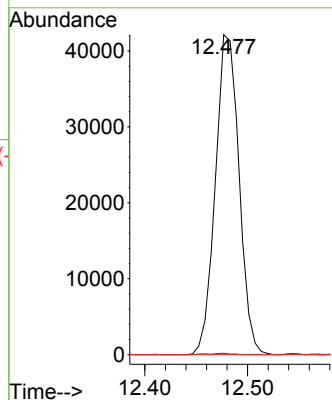
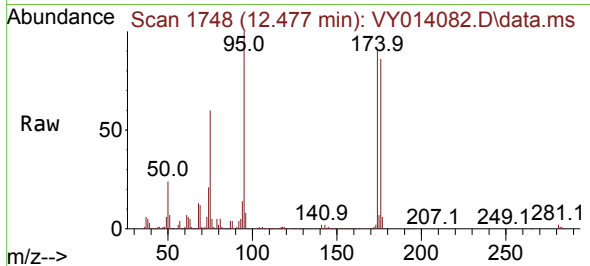




#81
trans-1,4-Dichloro-2-butene
Concen: 76.983 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Instrument :
MSVOA_Y
ClientSampleId :
30999

Tgt Ion: 75 Resp: 67369
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 4.095 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.005 min
Lab File: VY014082.D
Acq: 08 Jun 2023 18:49

Tgt Ion:128 Resp: 1494
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 12.7 8.6 13.0

