

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014170.D
 Acq On : 14 Jun 2023 21:44
 Operator : KP/MD
 Sample : 03224-05
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-01/02-GRAB-5B2

Quant Time: Jun 15 01:48:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

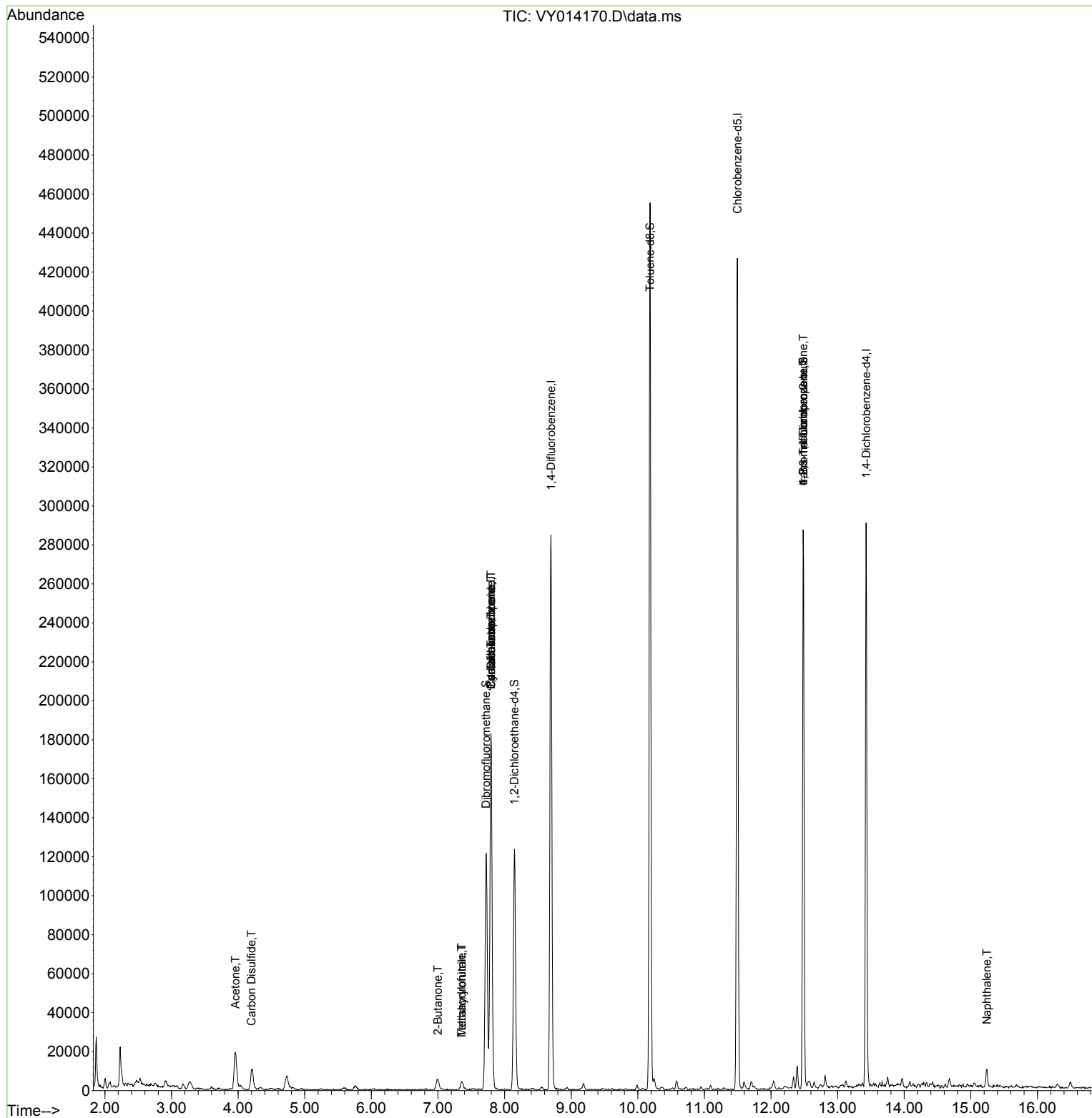
Internal Standards						
1) Pentafluorobenzene	7.795	168	138577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	239550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	223658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	101354	52.523	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.040%			
35) Dibromofluoromethane	7.722	113	81281	47.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.700%			
50) Toluene-d8	10.185	98	290597	45.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.500%			
62) 4-Bromofluorobenzene	12.483	95	81847	36.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.560%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	632	Below Cal	#	89
13) Acrolein	3.741	56	105	Below Cal		96
16) Acetone	3.960	43	35092	60.329	ug/l	93
17) Carbon Disulfide	4.198	76	18663	3.640	ug/l	98
20) Methylene Chloride	4.728	84	5268	Below Cal	#	84
25) 2-Butanone	6.996	43	6345	8.862	ug/l	92
29) Tetrahydrofuran	7.356	42	3125	6.883	ug/l	95
31) Cyclohexane	7.795	56	3919	1.516	ug/l #	25
36) 1,1-Dichloropropene	7.795	75	10748	4.058	ug/l #	51
38) Carbon Tetrachloride	7.795	117	14026	4.589	ug/l #	17
41) Methacrylonitrile	7.356	41	2030	2.177	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	44678	47.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44678	101.655	ug/l #	11
95) Naphthalene	15.238	128	8182	2.556	ug/l	98

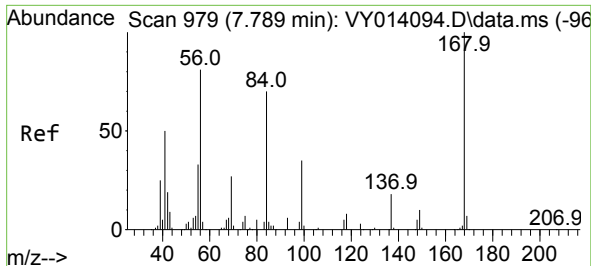
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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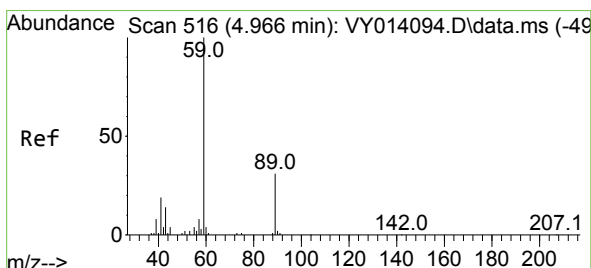
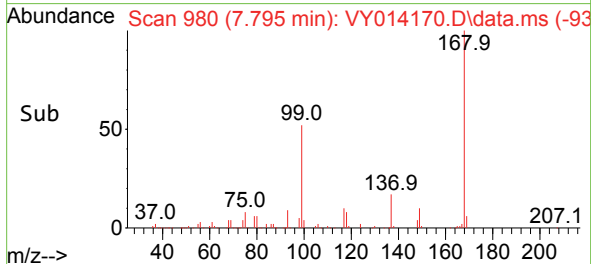
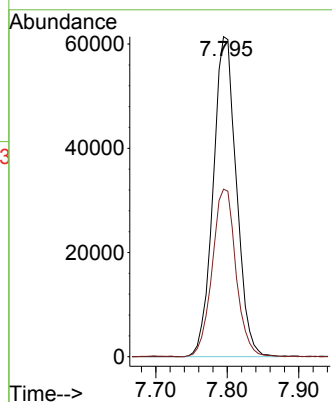
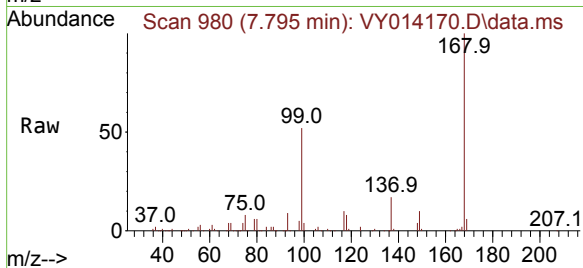




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

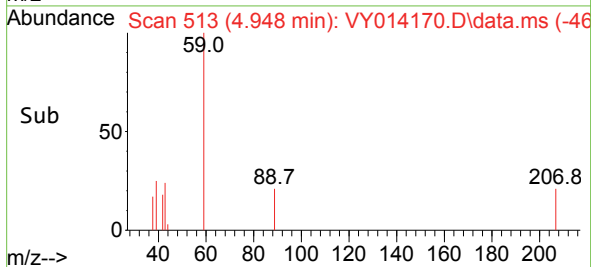
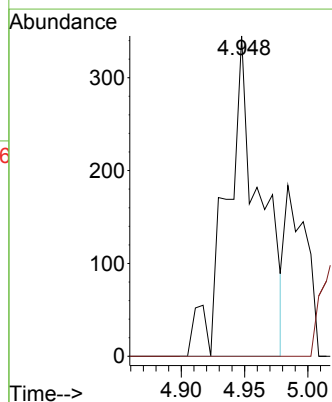
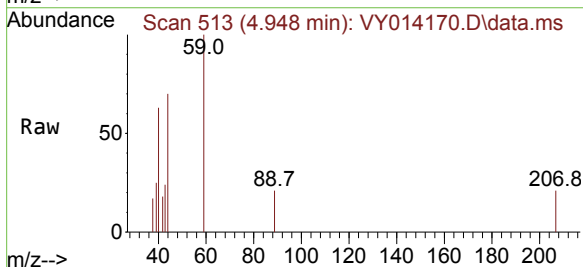
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B2

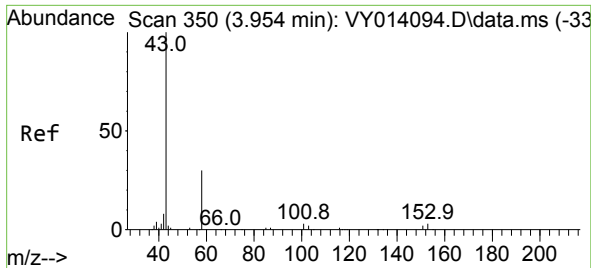
Tgt Ion:168 Resp: 138577
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 60.329 ug/l

RT: 3.960 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY014170.D

Acq: 14 Jun 2023 21:44

Instrument :

MSVOA_Y

ClientSampleId :

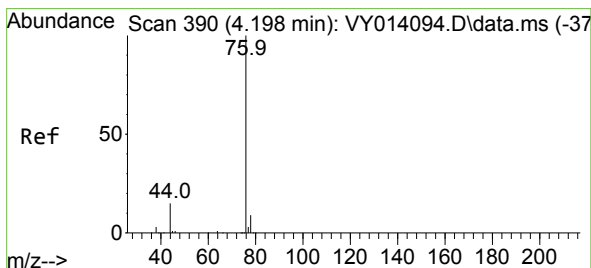
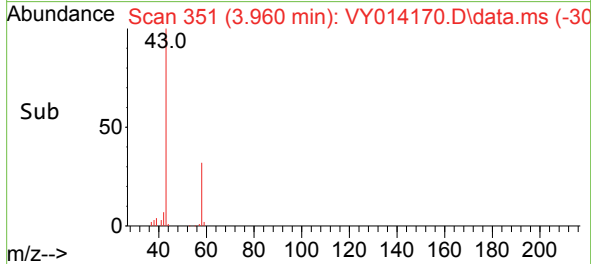
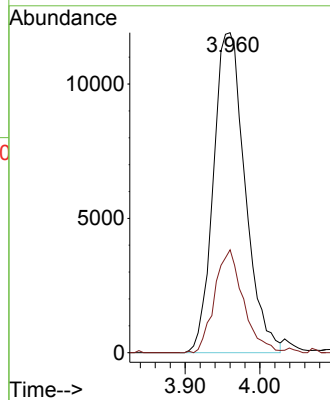
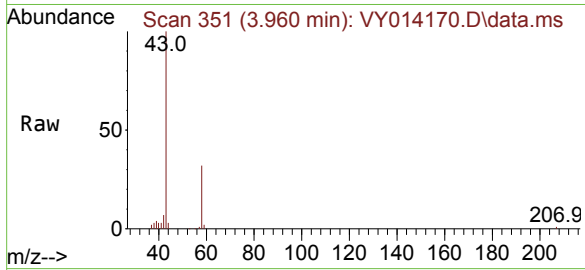
TOTAL-VOC-SB-01/02-GRAB-5B2

Tgt Ion: 43 Resp: 35092

Ion Ratio Lower Upper

43 100

58 32.1 22.7 34.1



#17

Carbon Disulfide

Concen: 3.640 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY014170.D

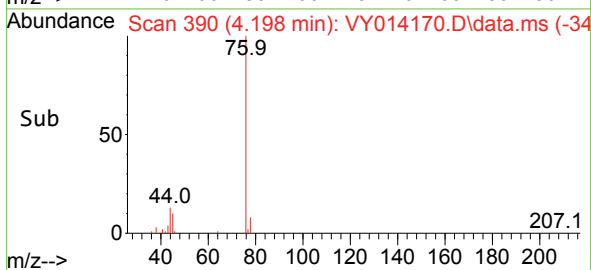
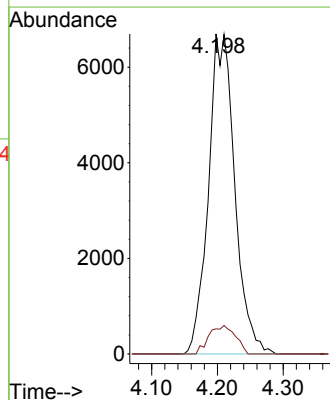
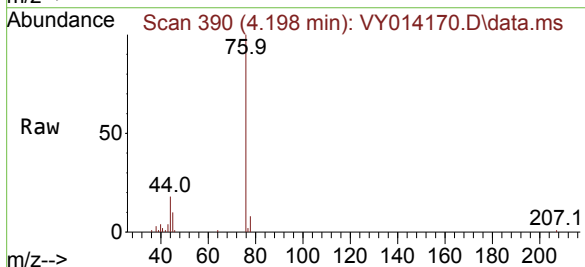
Acq: 14 Jun 2023 21:44

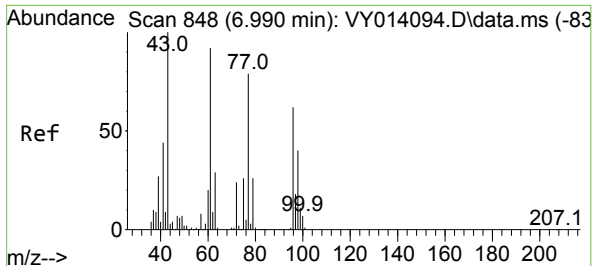
Tgt Ion: 76 Resp: 18663

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.4





#25

2-Butanone

Concen: 8.862 ug/l

RT: 6.996 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY014170.D

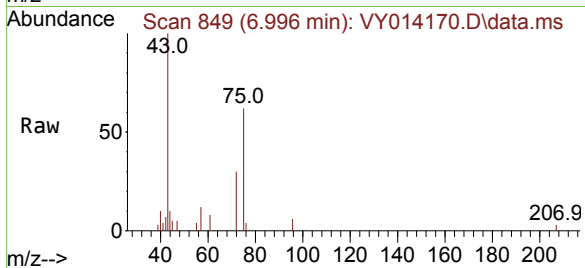
Acq: 14 Jun 2023 21:44

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-01/02-GRAB-5B2

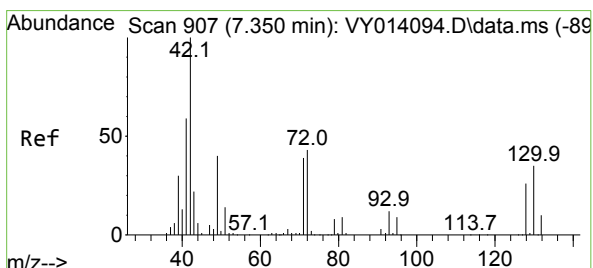
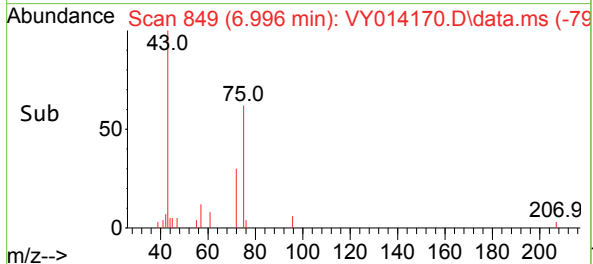
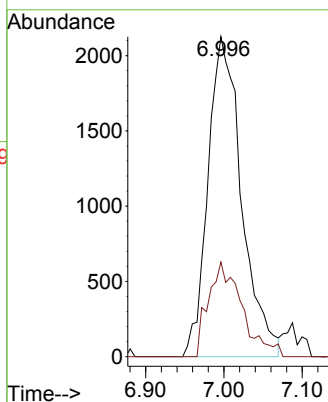


Tgt Ion: 43 Resp: 6345

Ion Ratio Lower Upper

43 100

72 29.5 20.5 30.7



#29

Tetrahydrofuran

Concen: 6.883 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY014170.D

Acq: 14 Jun 2023 21:44

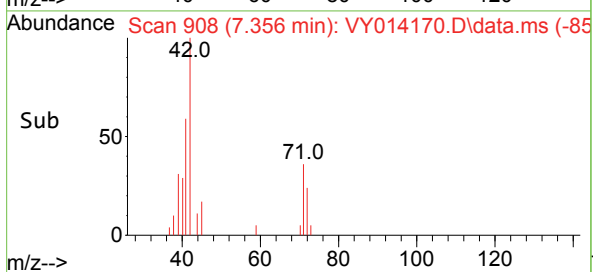
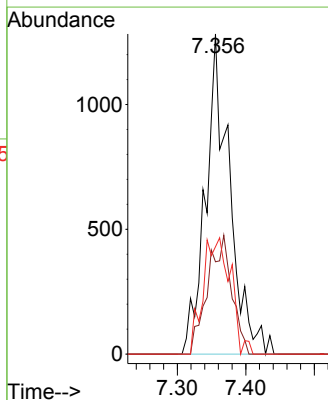
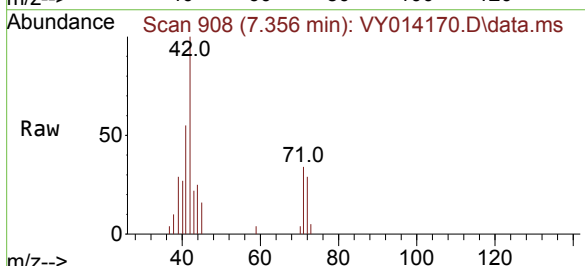
Tgt Ion: 42 Resp: 3125

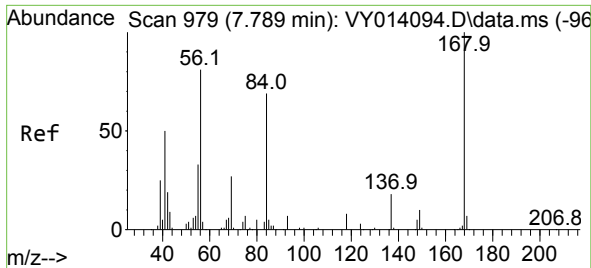
Ion Ratio Lower Upper

42 100

72 37.3 32.8 49.2

71 41.7 31.0 46.4

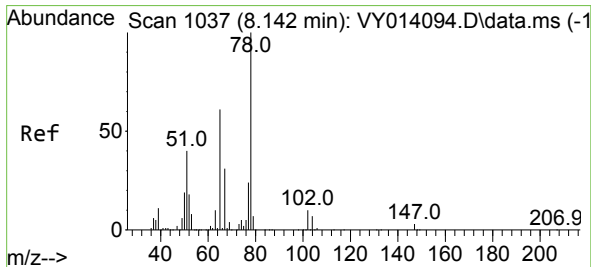
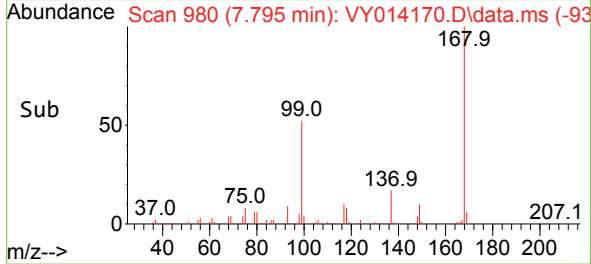
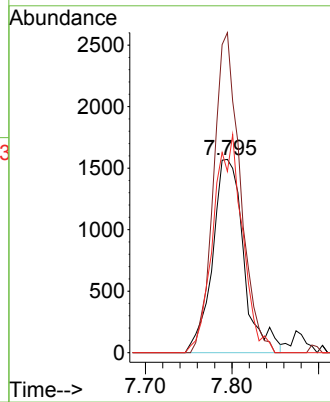
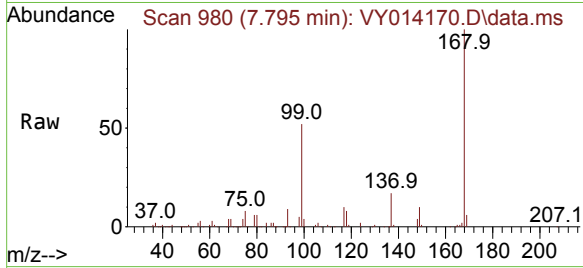




#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

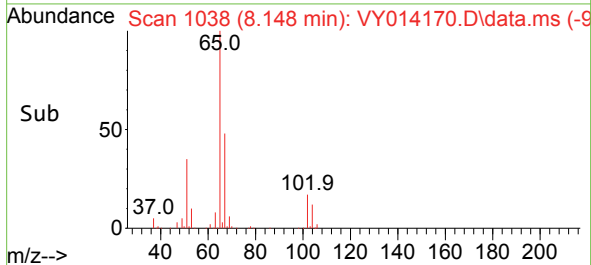
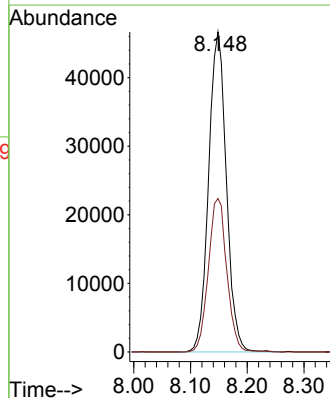
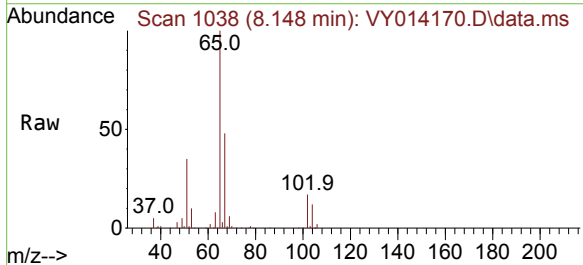
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B2

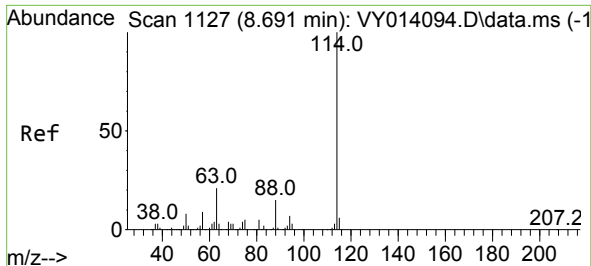
Tgt Ion: 56 Resp: 3919
Ion Ratio Lower Upper
56 100
69 165.6 27.8 41.6#
84 93.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.523 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion: 65 Resp: 101354
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

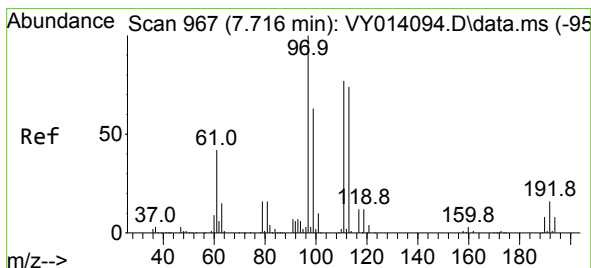
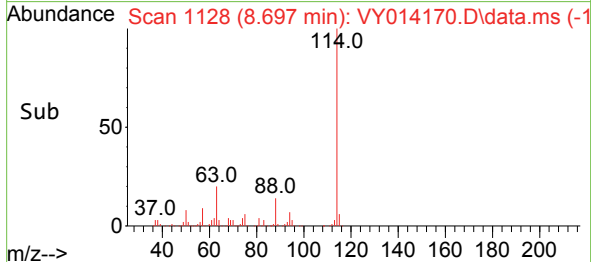
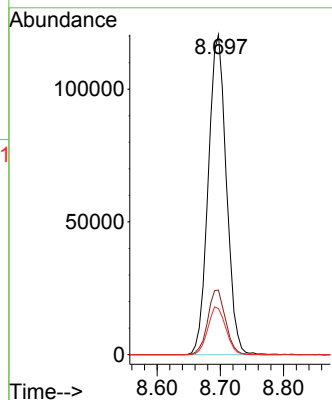
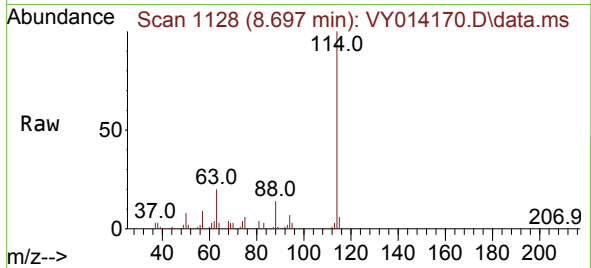




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

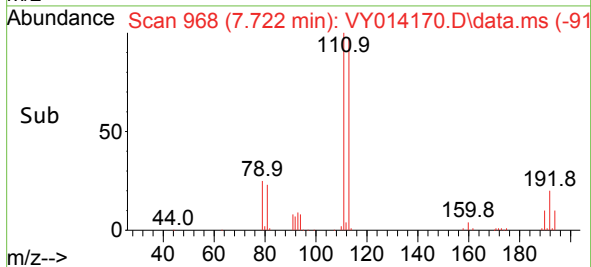
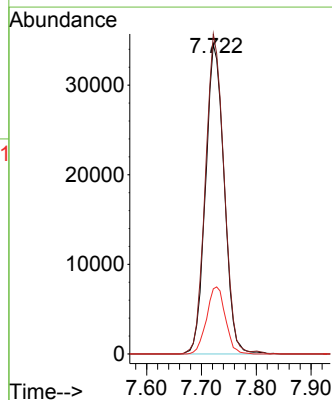
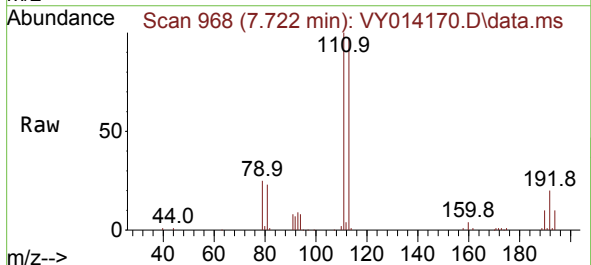
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B2

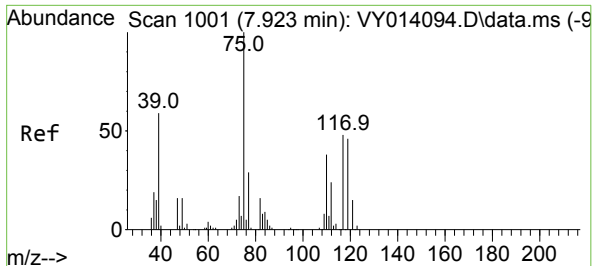
Tgt Ion:114 Resp: 239550
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.845 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion:113 Resp: 81281
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 21.8 16.9 25.3

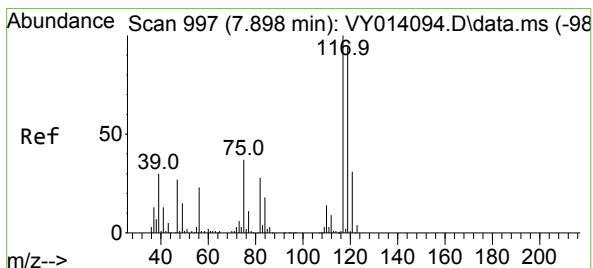
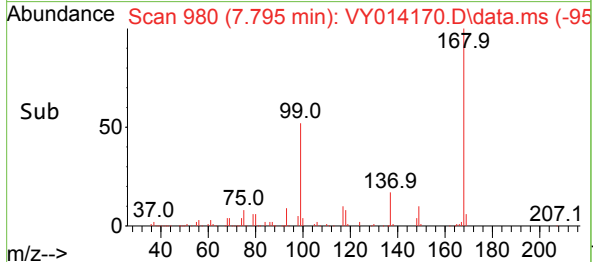
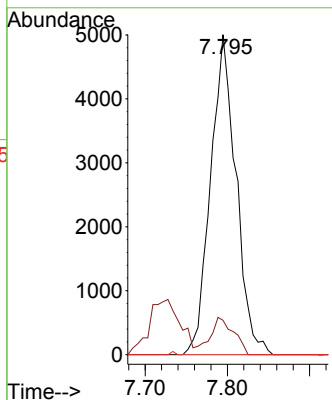
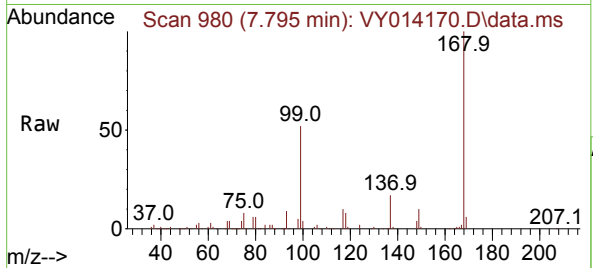




#36
 1,1-Dichloropropene
 Concen: 4.058 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014170.D
 Acq: 14 Jun 2023 21:44

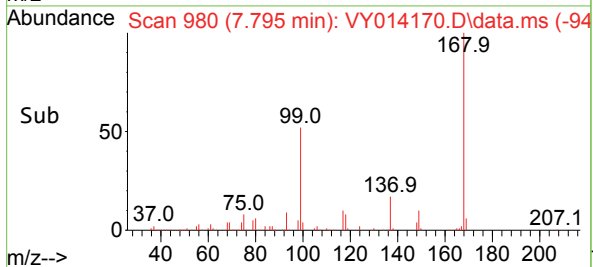
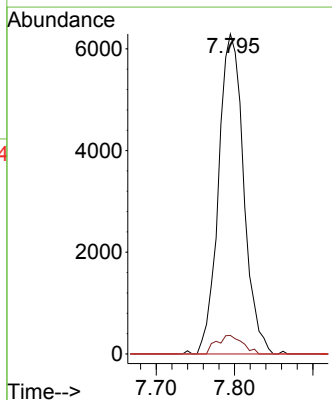
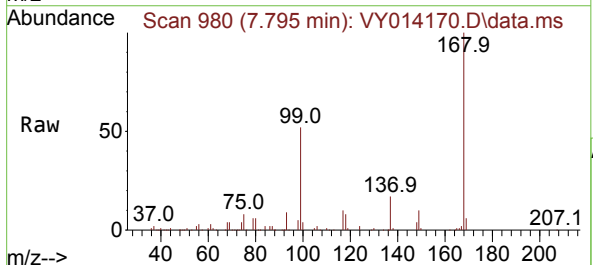
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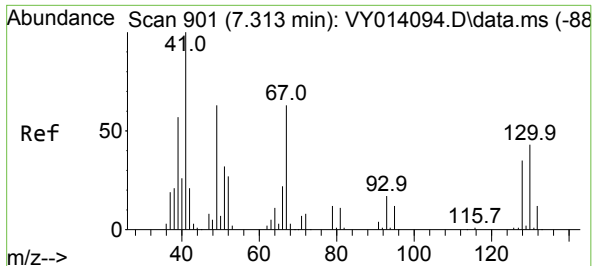
Tgt Ion: 75 Resp: 10748
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.589 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.103 min
 Lab File: VY014170.D
 Acq: 14 Jun 2023 21:44

Tgt Ion: 117 Resp: 14026
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.4 114.6#
 121 0.0 25.8 38.6#

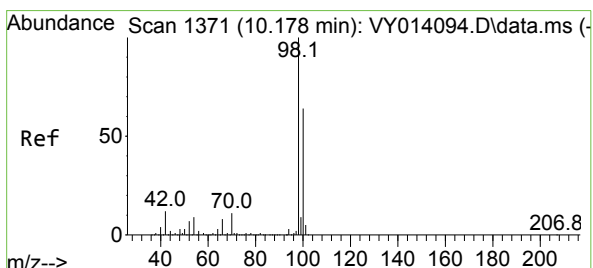
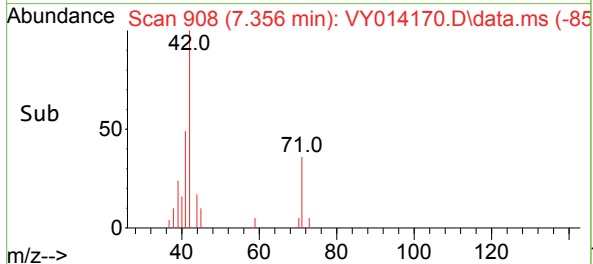
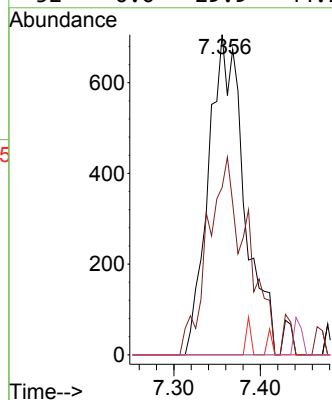
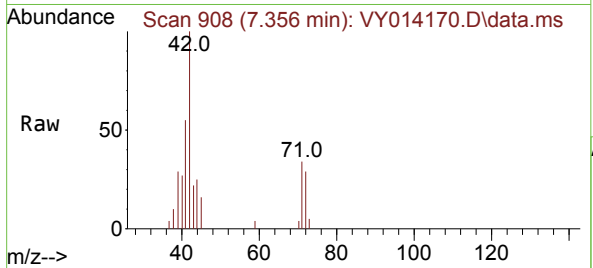




#41
Methacrylonitrile
Concen: 2.177 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

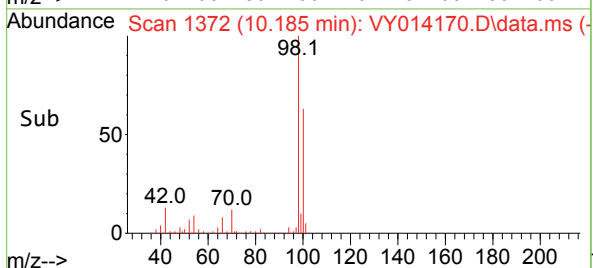
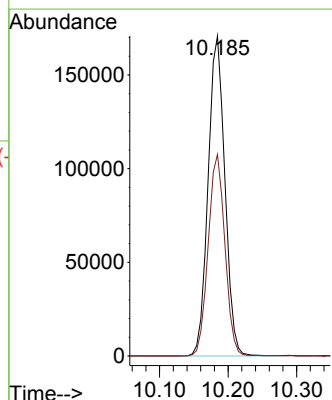
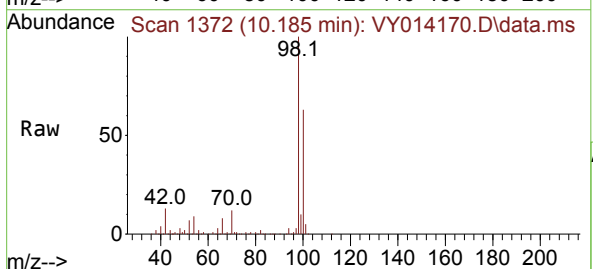
Instrument :
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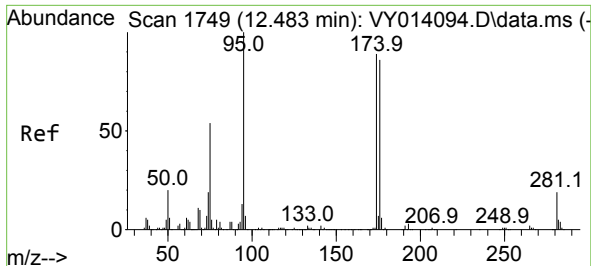
Tgt Ion: 41	Resp: 2030
Ion Ratio	Lower Upper
41 100	
39 67.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.754 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion: 98	Resp: 290597
Ion Ratio	Lower Upper
98 100	
100 62.8	50.1 75.1

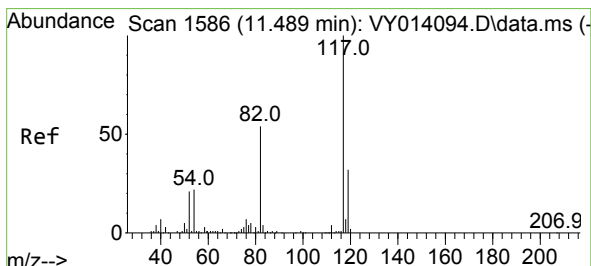
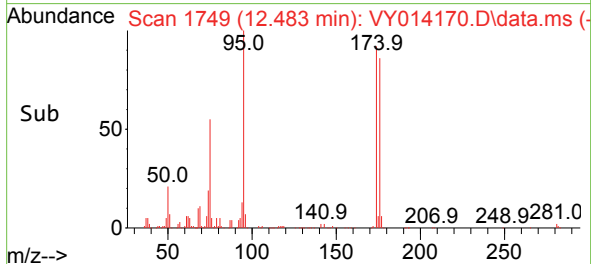
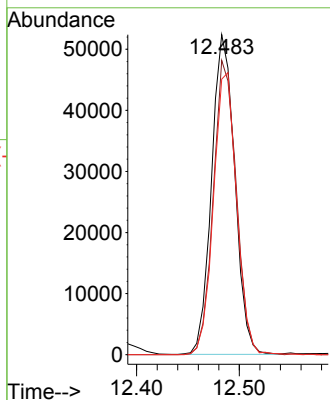
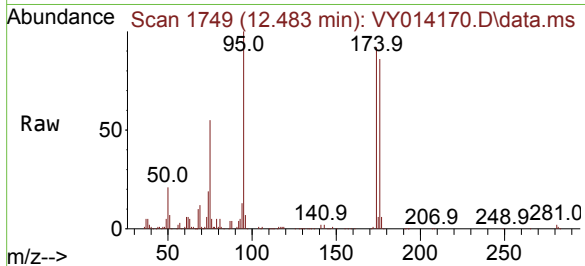




#62
4-Bromofluorobenzene
Concen: 36.277 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

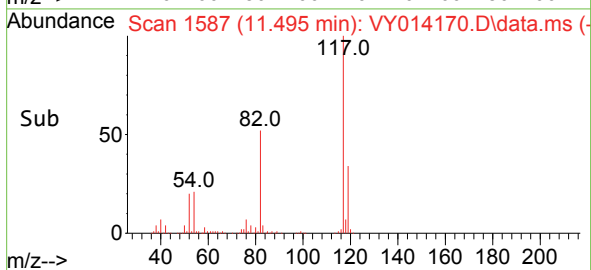
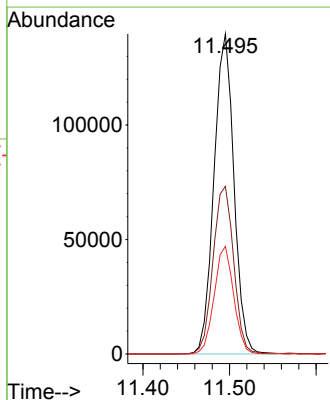
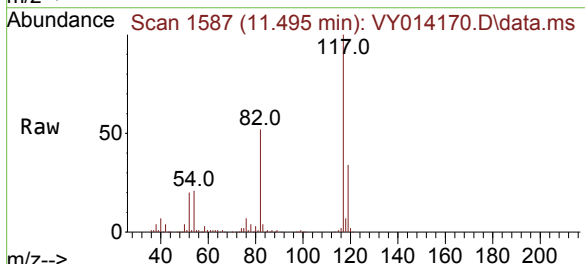
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B2

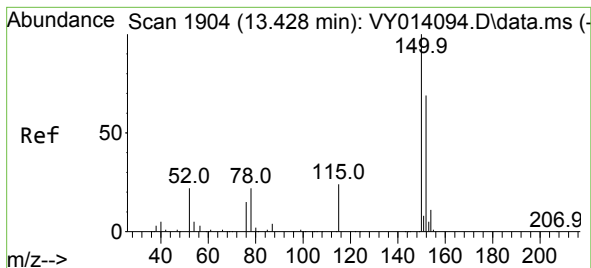
Tgt Ion: 95 Resp: 81847
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 88.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion: 117 Resp: 223658
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 33.7 26.3 39.5

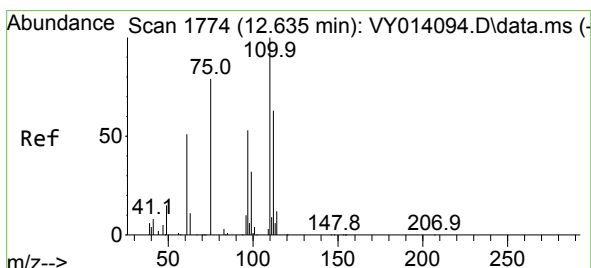
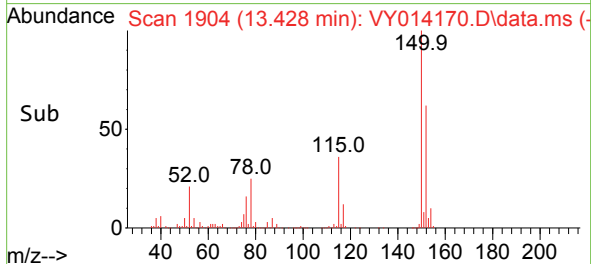
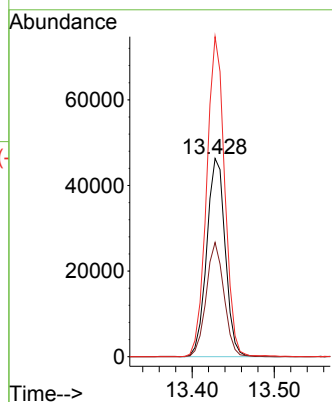
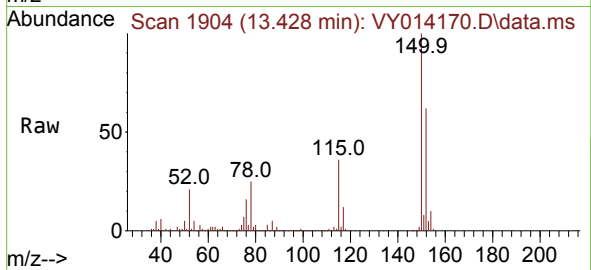




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY014170.D
 Acq: 14 Jun 2023 21:44

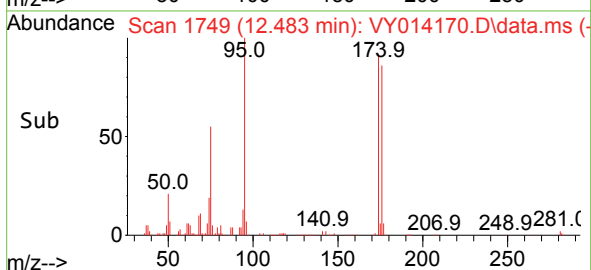
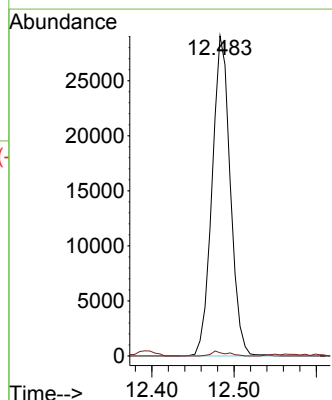
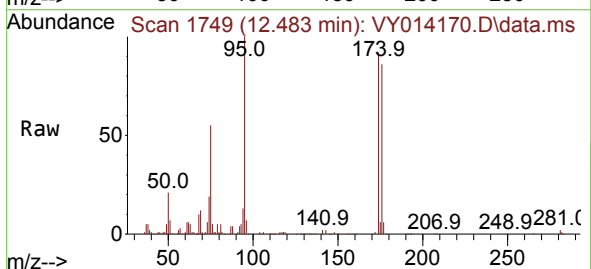
Instrument : MSVOA_Y
 ClientSampleId : TOTAL-VOC-SB-01/02-GRAB-5B2

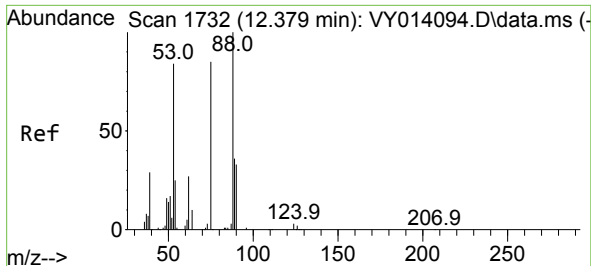
Tgt Ion:152 Resp: 72413
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.8 86.5
 150 157.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 47.027 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014170.D
 Acq: 14 Jun 2023 21:44

Tgt Ion: 75 Resp: 44678
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

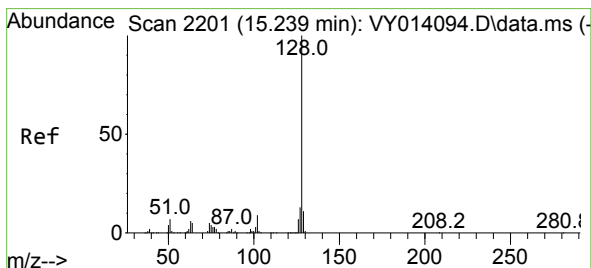
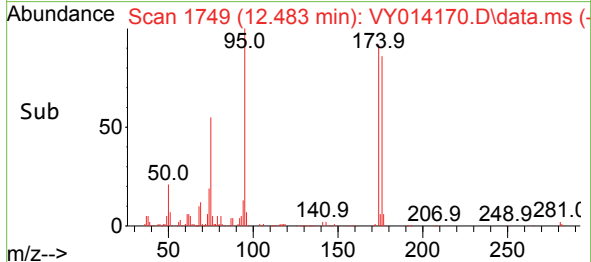
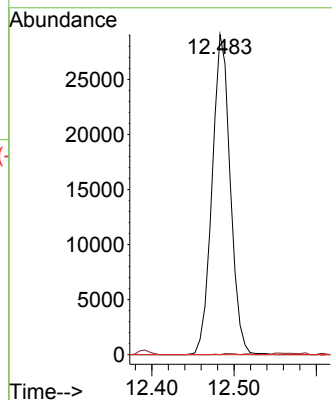
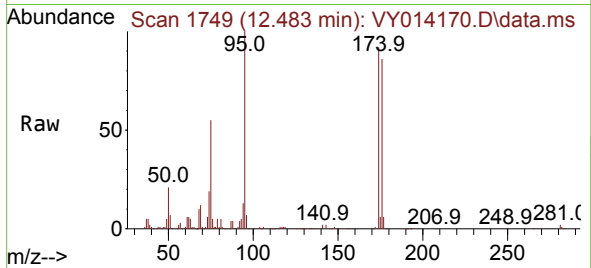




#81
trans-1,4-Dichloro-2-butene
Concen: 101.655 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B2

Tgt Ion: 75 Resp: 44678
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 2.556 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY014170.D
Acq: 14 Jun 2023 21:44

Tgt Ion: 128 Resp: 8182
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 12.3 8.6 13.0

