

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014427.D
 Acq On : 26 Jun 2023 12:32
 Operator : KP/MD
 Sample : 03362-24RE
 Misc : 9.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRBA-6RE

Quant Time: Jun 27 01:45:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

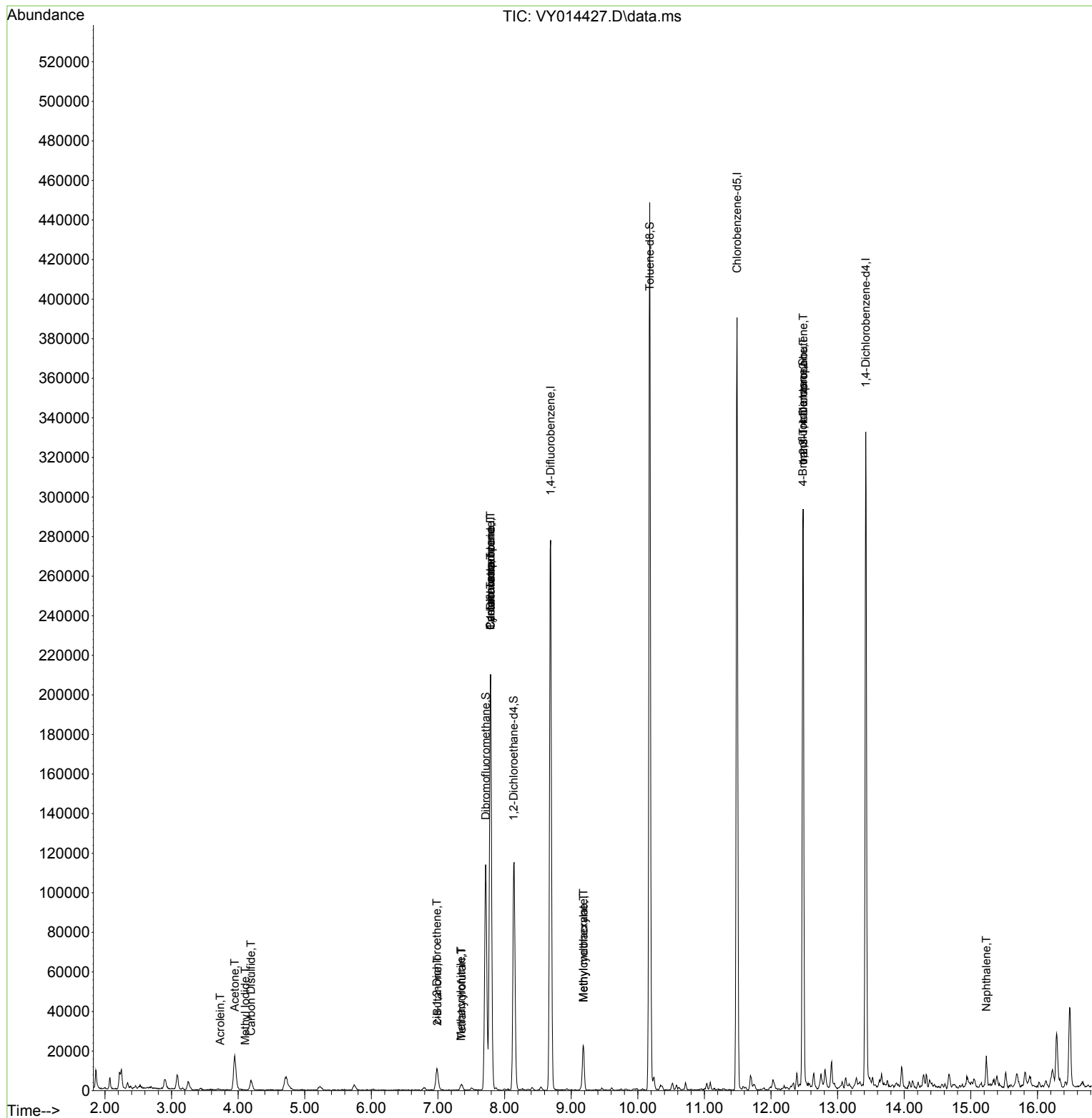
Internal Standards						
1) Pentafluorobenzene	7.789	168	161423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	207147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	102434	51.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.716	113	73237	49.474	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.940%	
50) Toluene-d8	10.179	98	280800	47.719	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.440%	
62) 4-Bromofluorobenzene	12.477	95	78581	37.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	101	2.923	ug/l #	64
11) Tert butyl alcohol	4.948	59	223	Below Cal	#	89
13) Acrolein	3.729	56	105	4.735	ug/l #	14
16) Acetone	3.948	43	29037	46.042	ug/l	98
17) Carbon Disulfide	4.192	76	8297	1.803	ug/l #	87
20) Methylene Chloride	4.716	84	4961	Below Cal	#	75
25) 2-Butanone	6.990	43	5079	6.466	ug/l #	79
27) cis-1,2-Dichloroethene	6.984	96	4638	2.520	ug/l	78
29) Tetrahydrofuran	7.356	42	2257	4.819	ug/l #	86
31) Cyclohexane	7.789	56	5554	2.244	ug/l #	58
36) 1,1-Dichloropropene	7.789	75	11312	4.959	ug/l #	52
38) Carbon Tetrachloride	7.789	117	16148	5.625	ug/l #	17
39) Methylcyclohexane	9.185	83	9182	3.499	ug/l #	85
41) Methacrylonitrile	7.344	41	1577	2.024	ug/l #	45
48) Methyl methacrylate	9.185	41	4487	3.480	ug/l #	78
76) 1,2,3-Trichloropropane	12.483	75	46523	42.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46523	97.649	ug/l #	11
95) Naphthalene	15.233	128	11953	3.210	ug/l	96

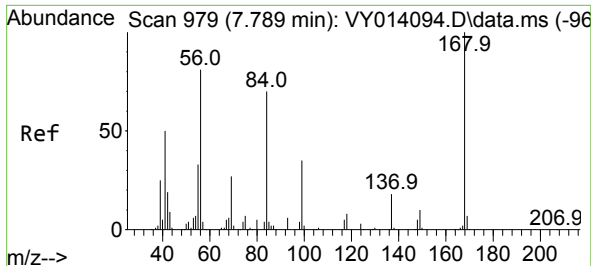
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 17:18:46 2023
Response via : Initial Calibration

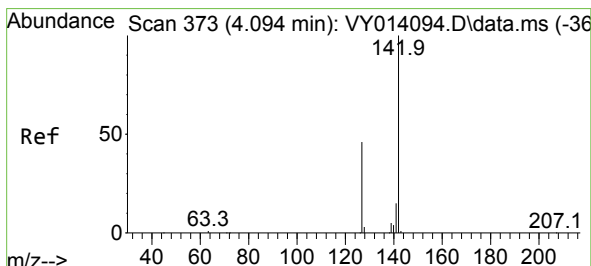
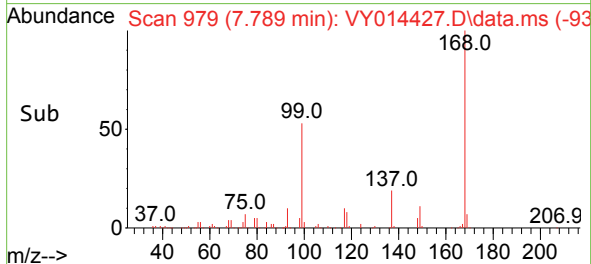
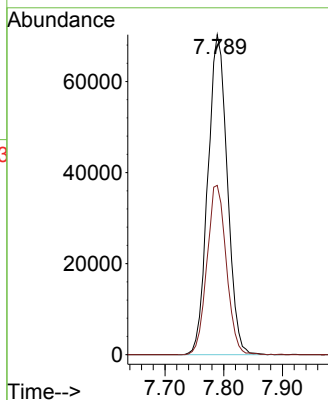
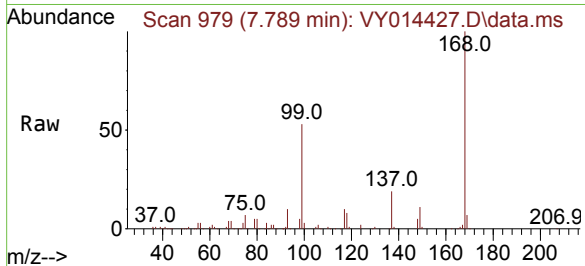




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

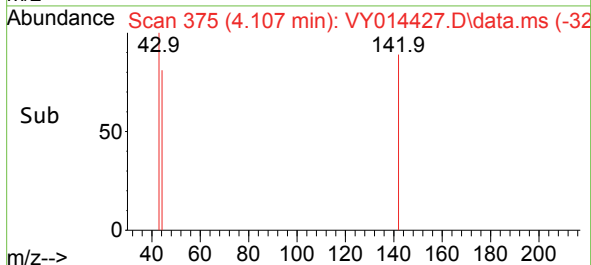
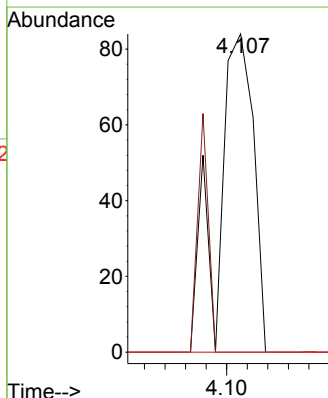
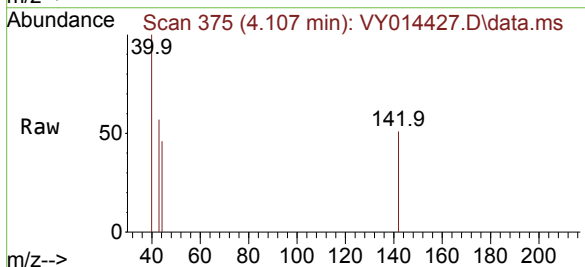
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

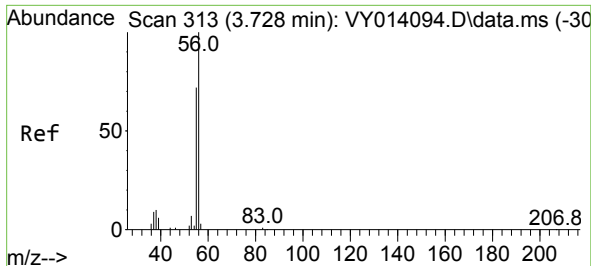
Tgt Ion:168 Resp: 161423
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.923 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
127 22.8 37.6 56.4#
141 0.0 11.8 17.8#





#13

Acrolein

Concen: 4.735 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.001 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

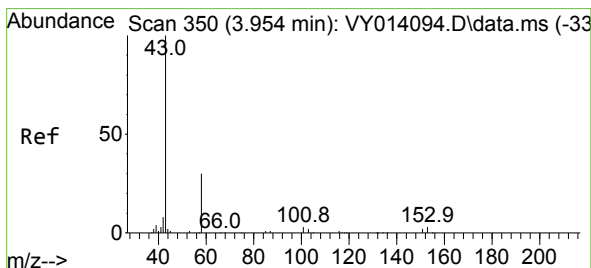
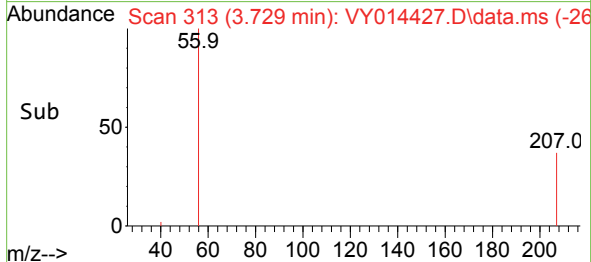
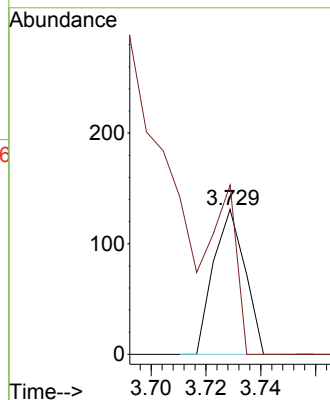
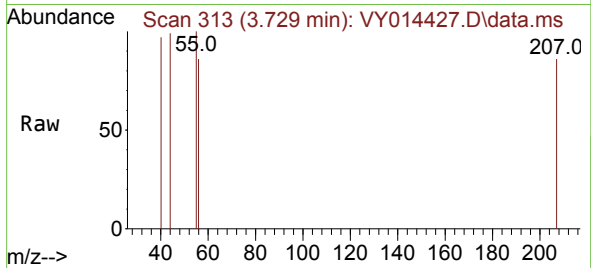
TOTAL-VOC-SB-25-GRBA-6RE

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 46.042 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014427.D

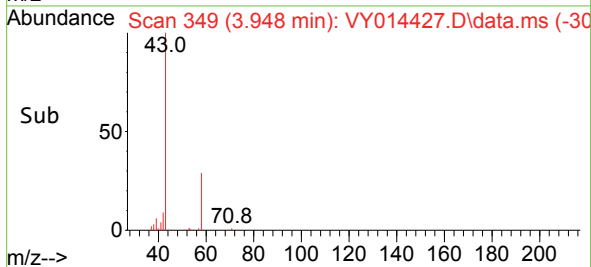
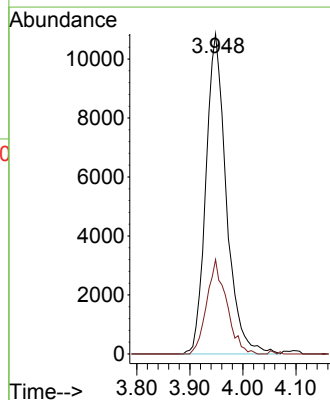
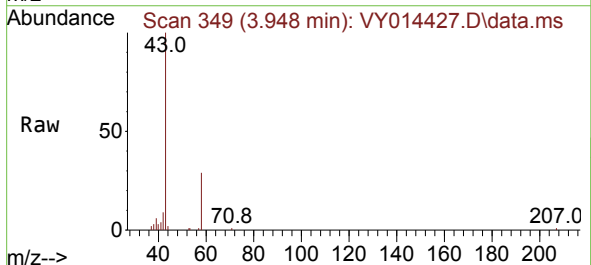
Acq: 26 Jun 2023 12:32

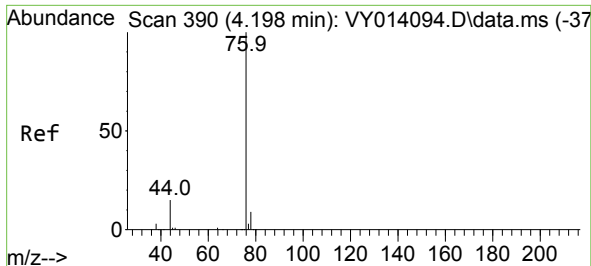
Tgt Ion: 43 Resp: 29037

Ion Ratio Lower Upper

43 100

58 29.5 22.7 34.1

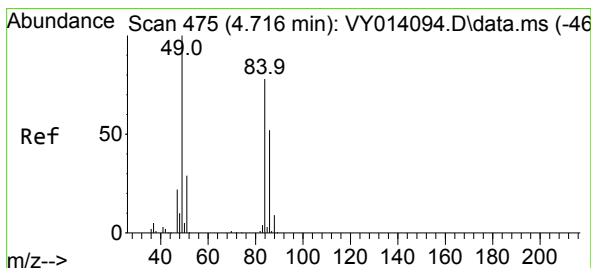
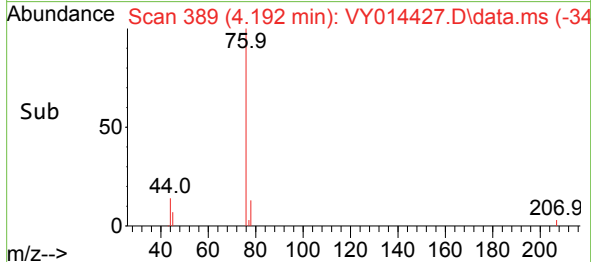
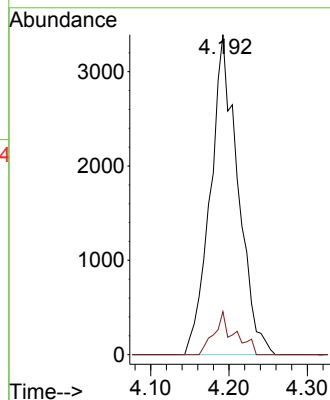
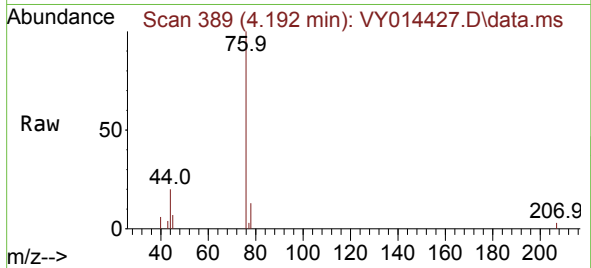




#17
Carbon Disulfide
Concen: 1.803 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

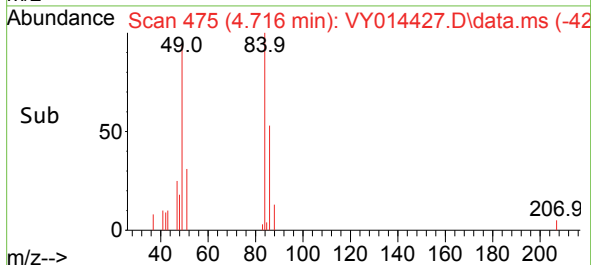
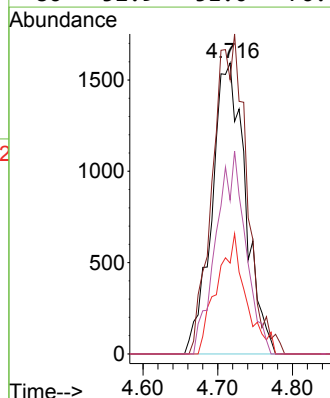
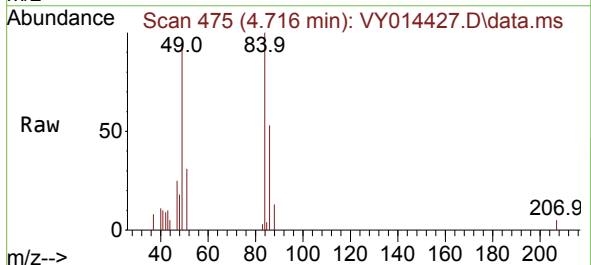
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

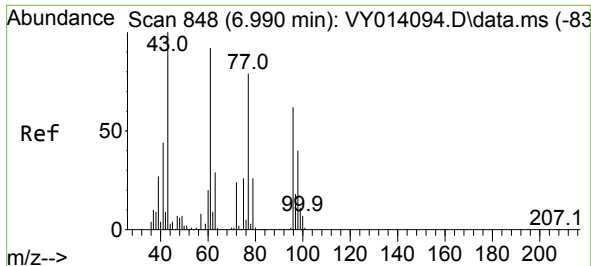
Tgt Ion: 76 Resp: 8297
Ion Ratio Lower Upper
76 100
78 13.4 7.0 10.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 84 Resp: 4961
Ion Ratio Lower Upper
84 100
49 94.2 106.9 160.3#
51 31.2 33.2 49.8#
86 52.9 51.0 76.6

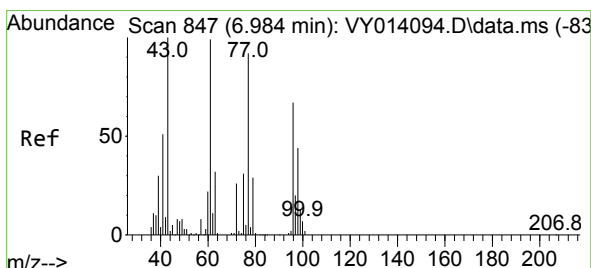
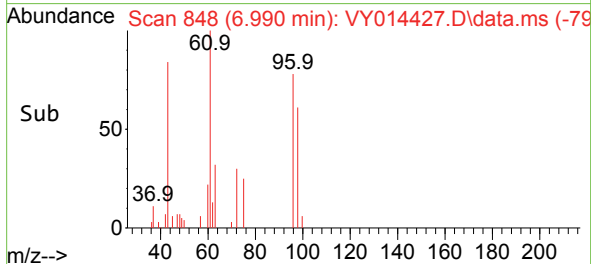
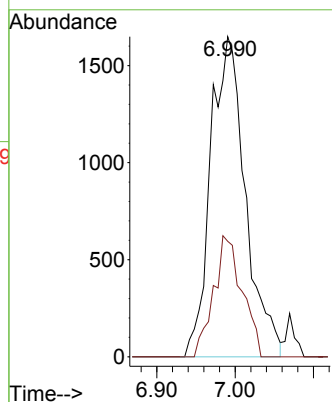
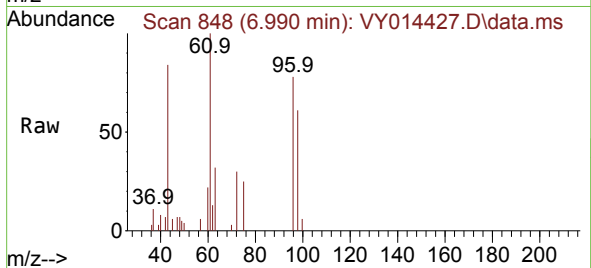




#25
2-Butanone
Concen: 6.466 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

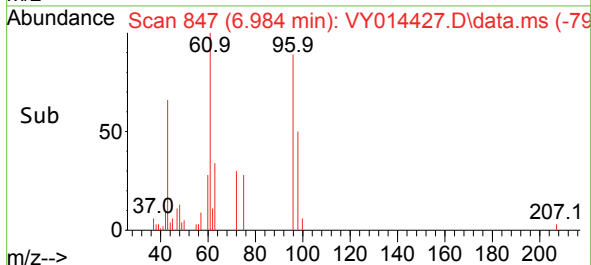
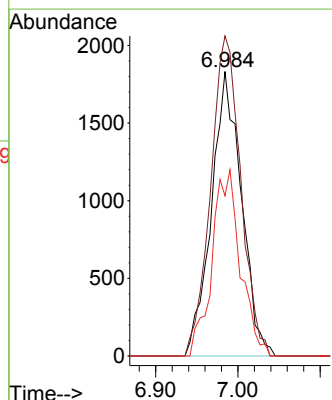
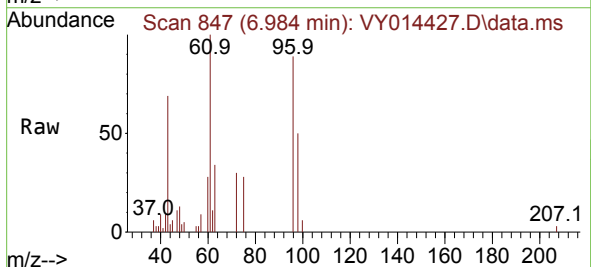
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

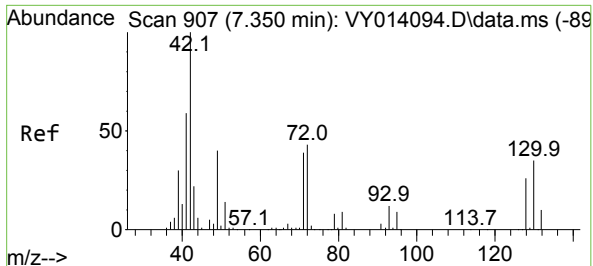
Tgt Ion: 43 Resp: 5079
Ion Ratio Lower Upper
43 100
72 36.1 20.5 30.7#



#27
cis-1,2-Dichloroethene
Concen: 2.520 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 96 Resp: 4638
Ion Ratio Lower Upper
96 100
61 113.2 0.0 301.4
98 61.8 0.0 130.4





#29

Tetrahydrofuran

Concen: 4.819 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014427.D

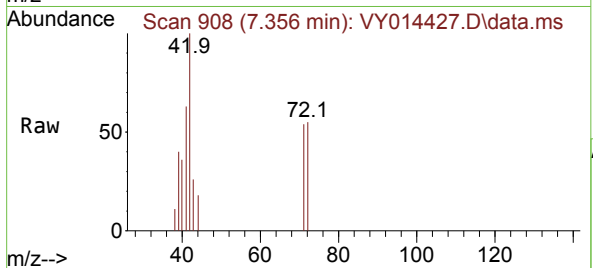
Acq: 26 Jun 2023 12:32

Instrument :

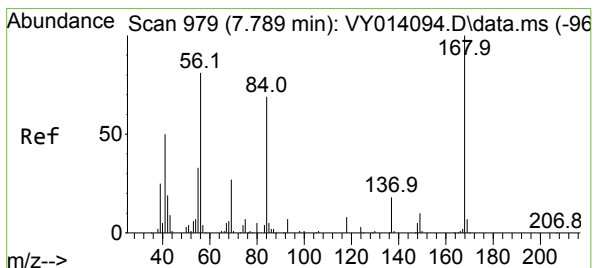
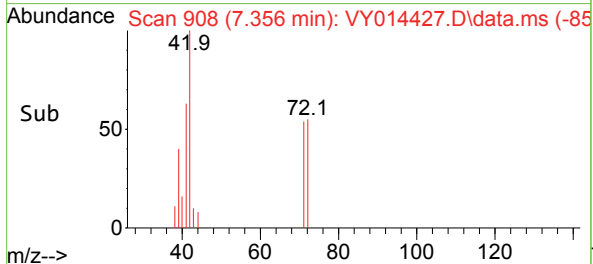
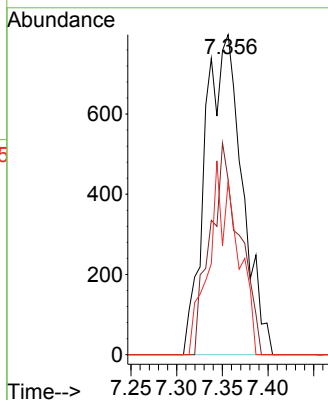
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE



Tgt Ion:	42	Resp:	2257
Ion	Ratio	Lower	Upper
42	100		
72	51.9	32.8	49.2#
71	45.6	31.0	46.4



#31

Cyclohexane

Concen: 2.244 ug/l

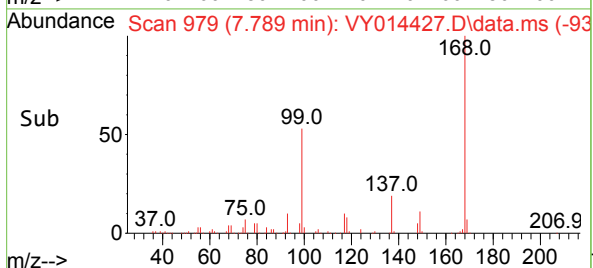
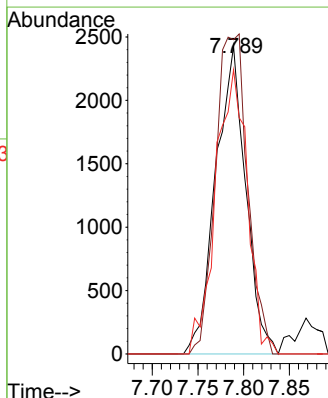
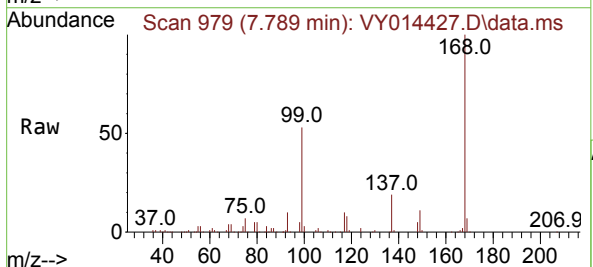
RT: 7.789 min Scan# 979

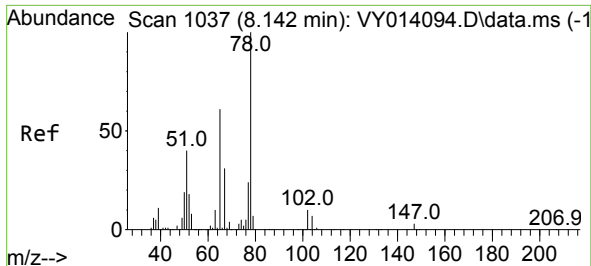
Delta R.T. 0.000 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

Tgt Ion:	56	Resp:	5554
Ion	Ratio	Lower	Upper
56	100		
69	102.1	27.8	41.6#
84	92.3	66.4	99.6

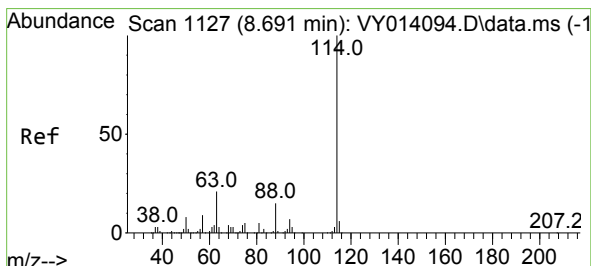
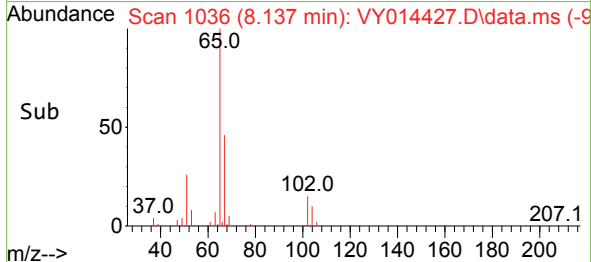
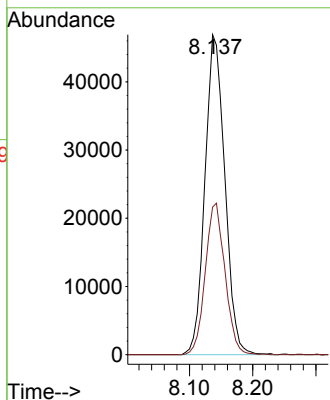
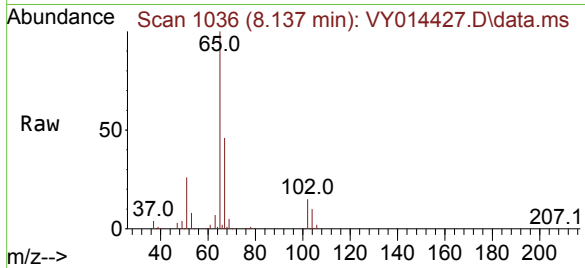




#33
 1,2-Dichloroethane-d4
 Concen: 51.109 ug/l
 RT: 8.137 min Scan# 1037
 Delta R.T. -0.005 min
 Lab File: VY014427.D
 Acq: 26 Jun 2023 12:32

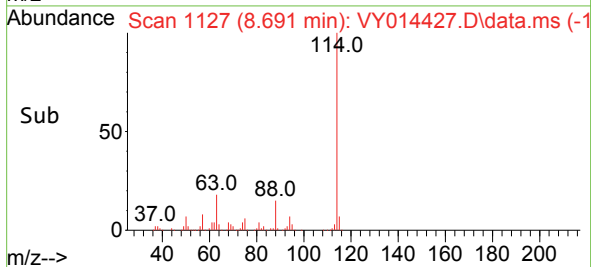
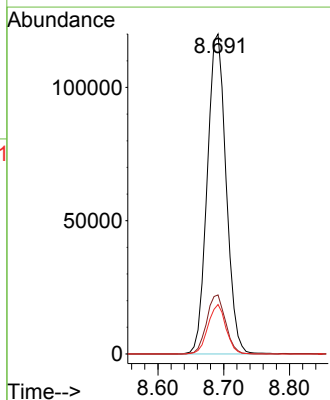
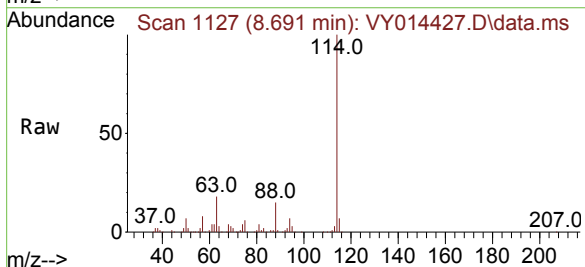
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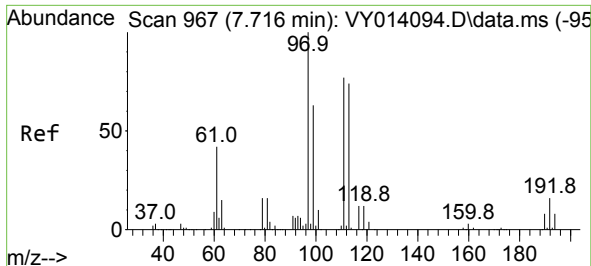
Tgt Ion: 65 Resp: 102434
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014427.D
 Acq: 26 Jun 2023 12:32

Tgt Ion: 114 Resp: 239603
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 15.4 0.0 30.6

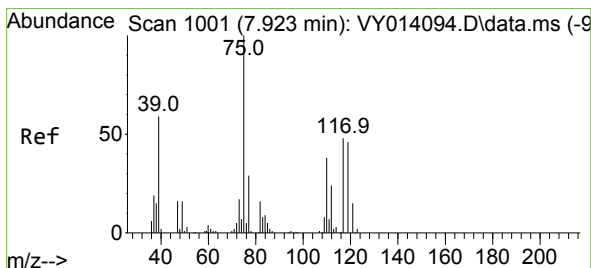
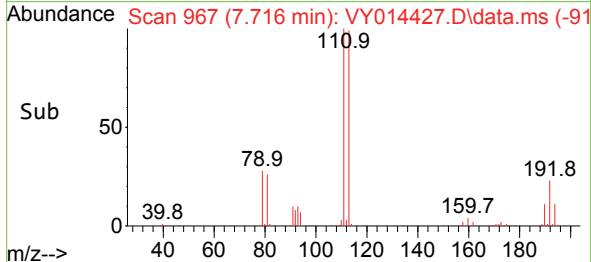
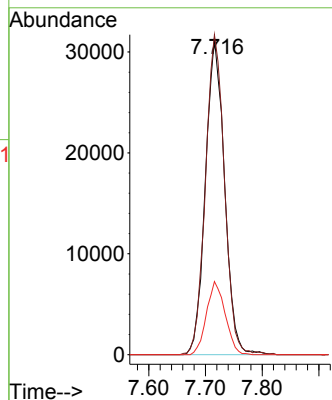
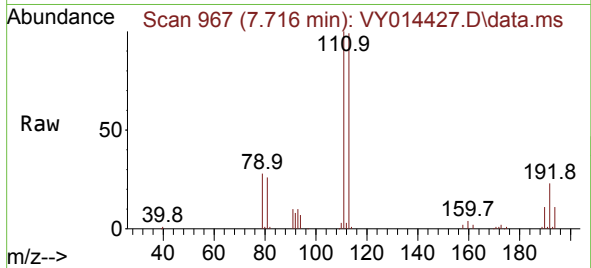




#35
Dibromofluoromethane
Concen: 49.474 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

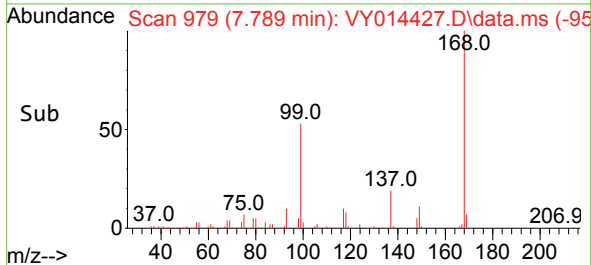
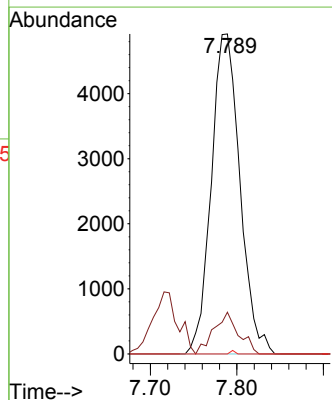
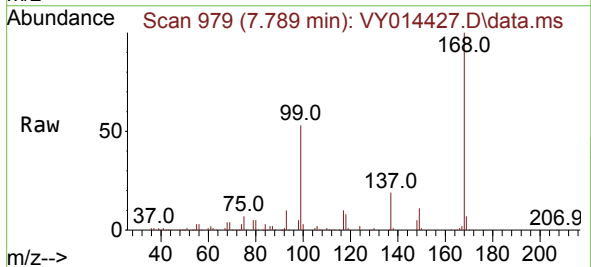
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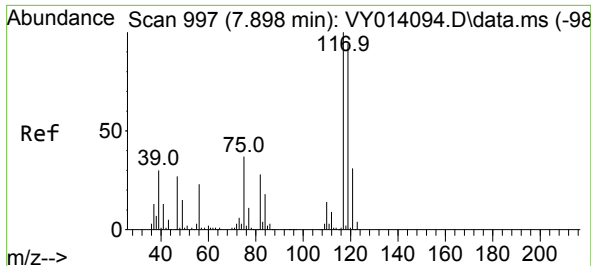
Tgt Ion:113 Resp: 73237
Ion Ratio Lower Upper
113 100
111 101.1 81.3 121.9
192 22.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.959 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 75 Resp: 11312
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 24.4 36.6#

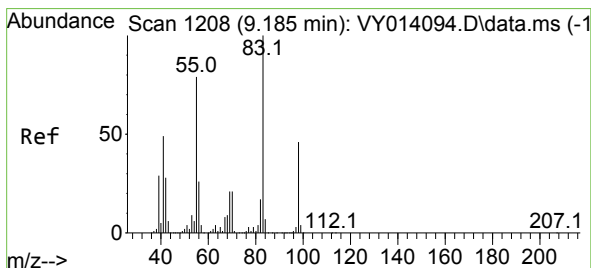
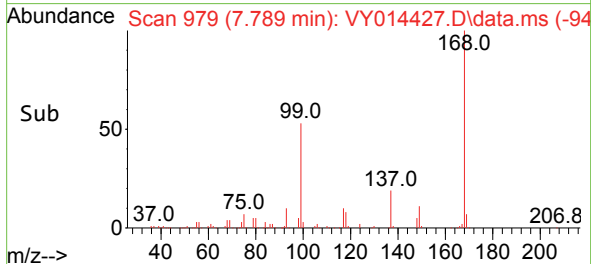
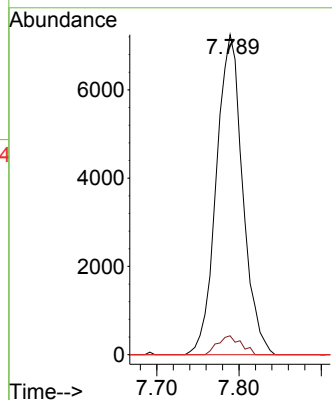
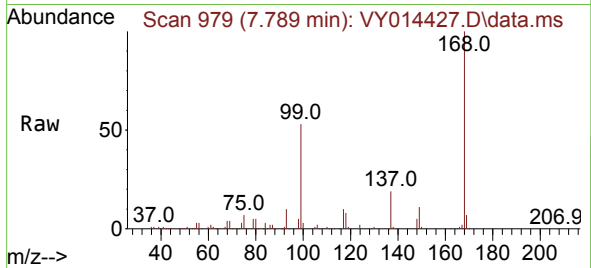




#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

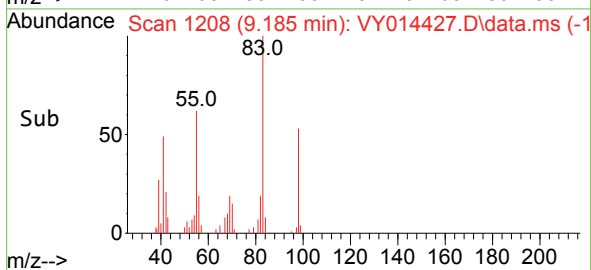
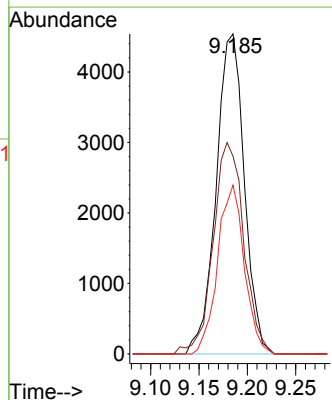
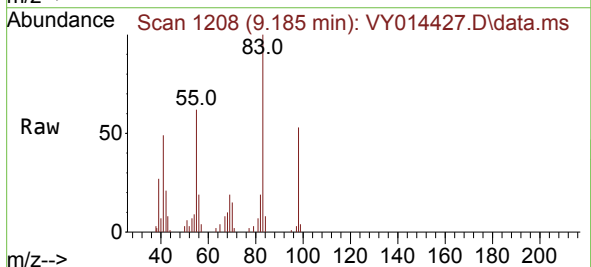
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

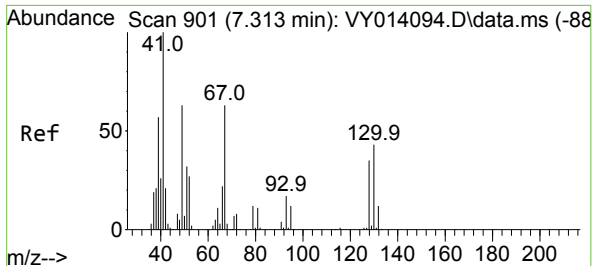
Tgt Ion:117 Resp: 16148
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 3.499 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 83 Resp: 9182
Ion Ratio Lower Upper
83 100
55 61.8 63.0 94.4#
98 52.8 37.4 56.2

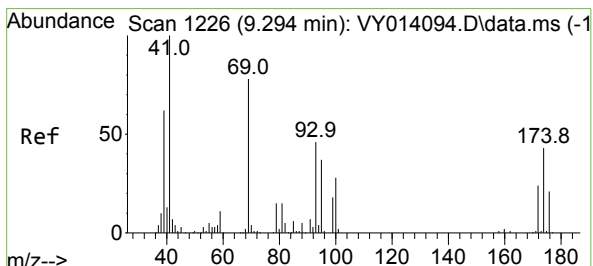
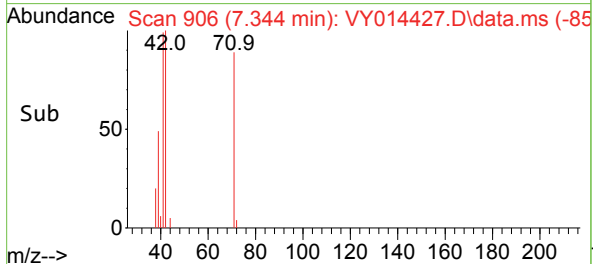
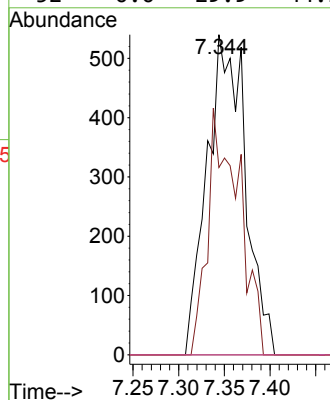
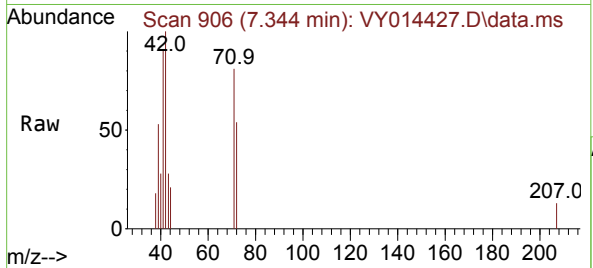




#41
Methacrylonitrile
Concen: 2.024 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.031 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

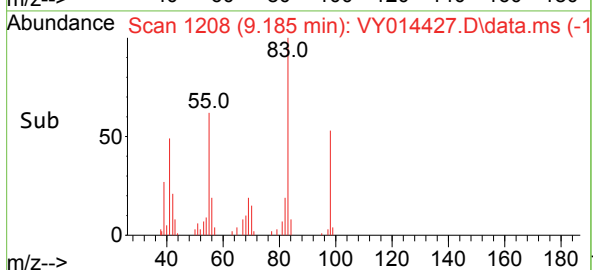
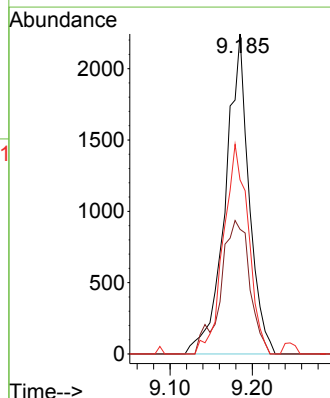
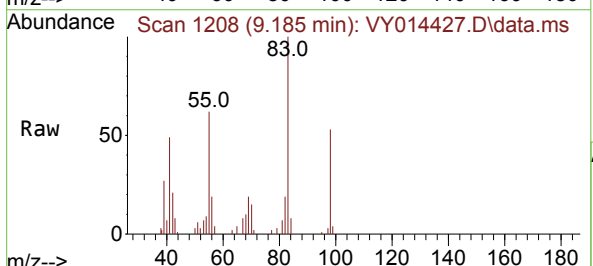
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

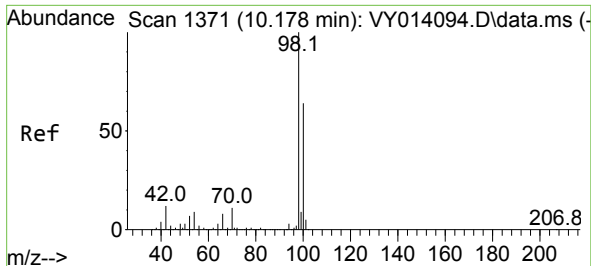
Tgt Ion:	41	Resp:	1577
Ion	Ratio	Lower	Upper
41	100		
39	62.7	52.1	78.1
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#48
Methyl methacrylate
Concen: 3.480 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.109 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion:	41	Resp:	4487
Ion	Ratio	Lower	Upper
41	100		
69	51.1	64.5	96.7#
39	68.9	50.8	76.2

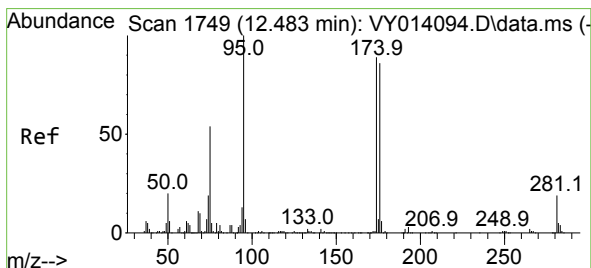
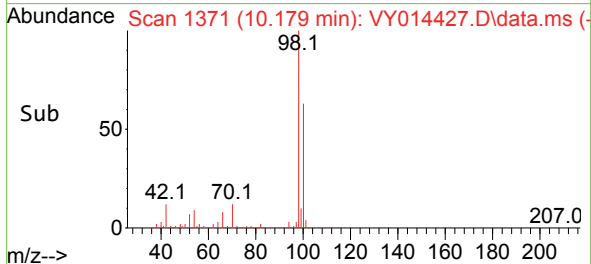
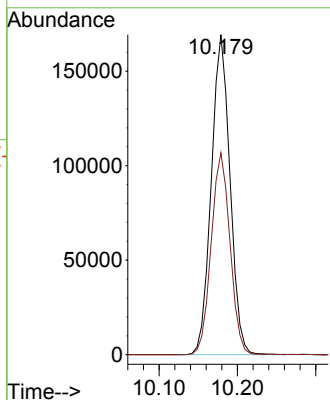
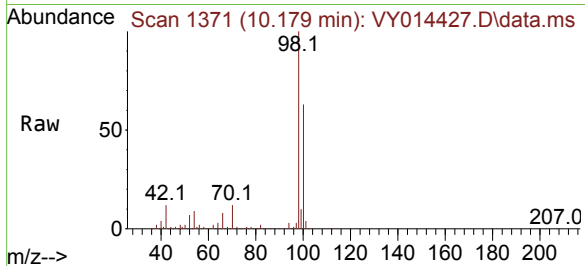




#50
Toluene-d8
Concen: 47.719 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

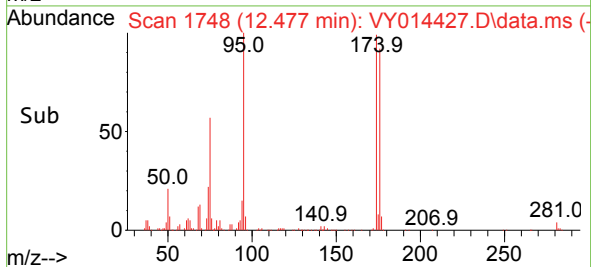
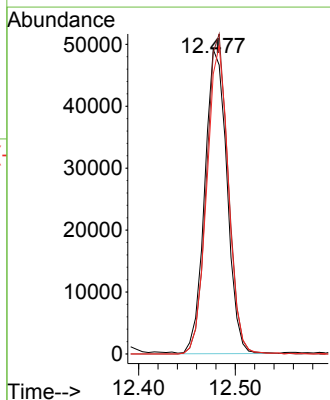
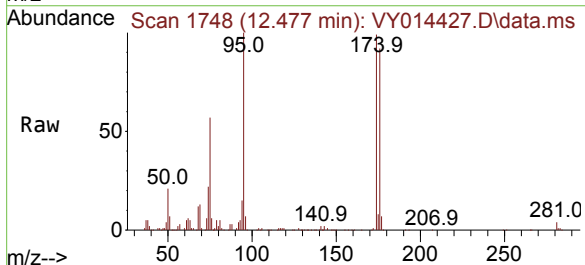
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

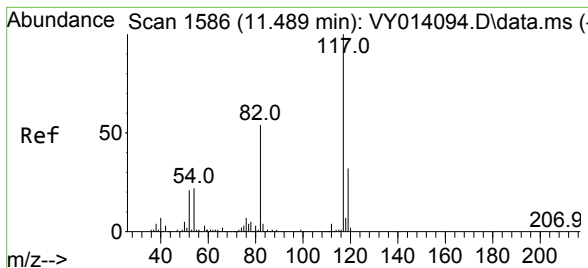
Tgt Ion: 98 Resp: 280800
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 37.406 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 95 Resp: 78581
Ion Ratio Lower Upper
95 100
174 102.5 0.0 178.2
176 98.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.001 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE

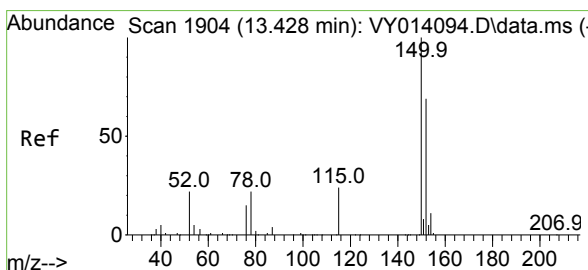
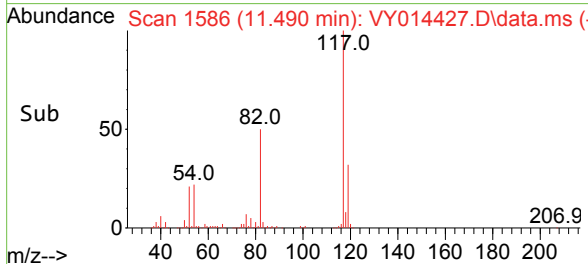
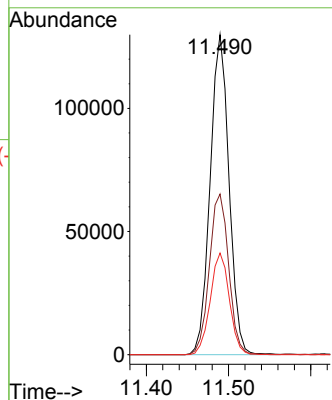
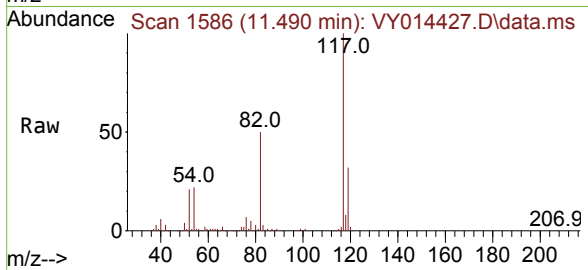
Tgt Ion:117 Resp: 207147

Ion Ratio Lower Upper

117 100

82 50.2 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014427.D

Acq: 26 Jun 2023 12:32

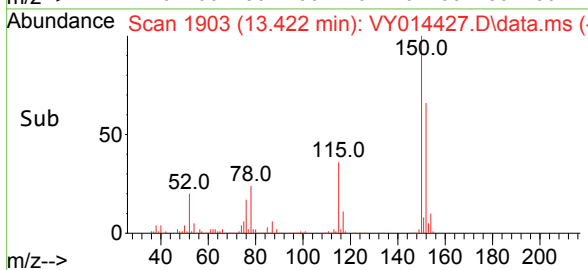
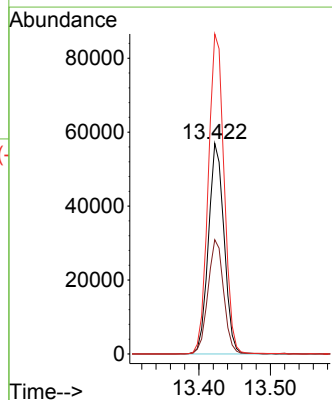
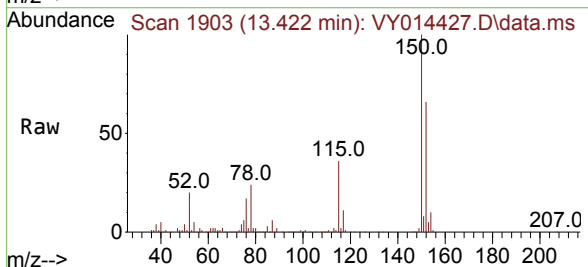
Tgt Ion:152 Resp: 86468

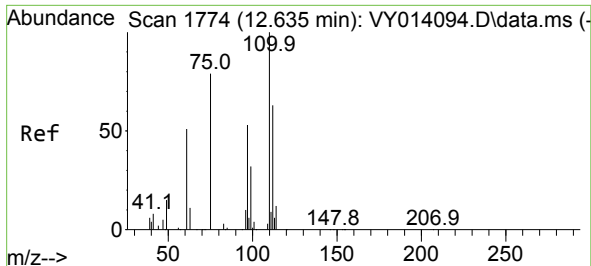
Ion Ratio Lower Upper

152 100

115 54.7 28.8 86.5

150 154.5 0.0 348.8

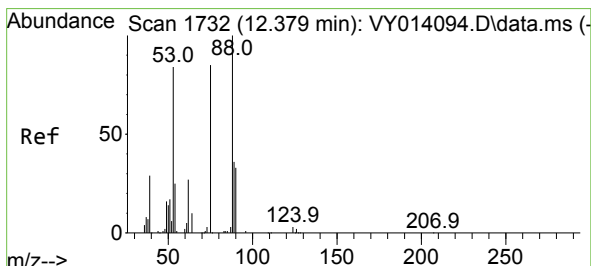
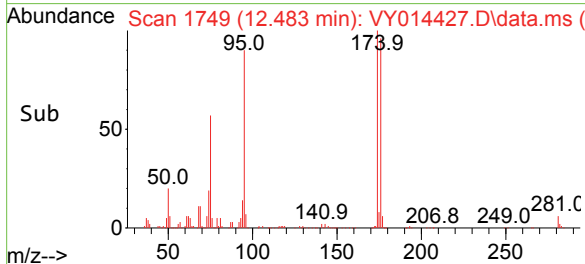
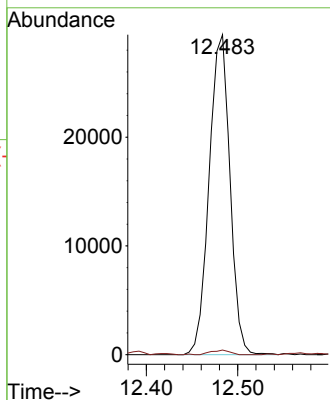
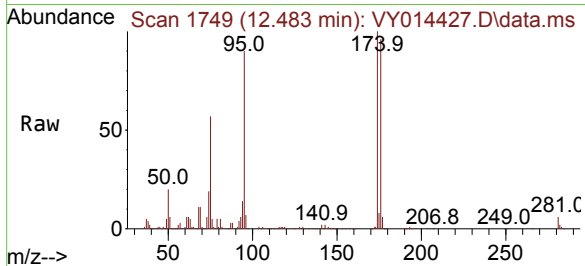




#76
1,2,3-Trichloropropane
Concen: 42.891 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

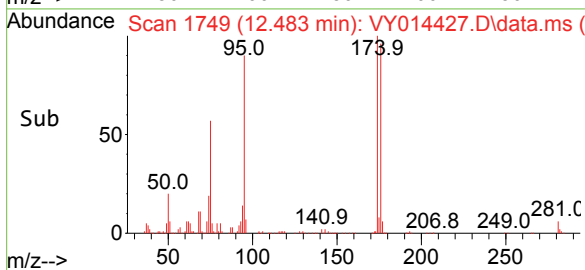
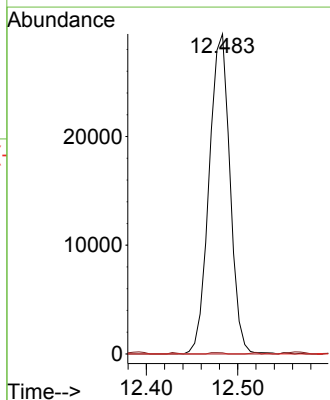
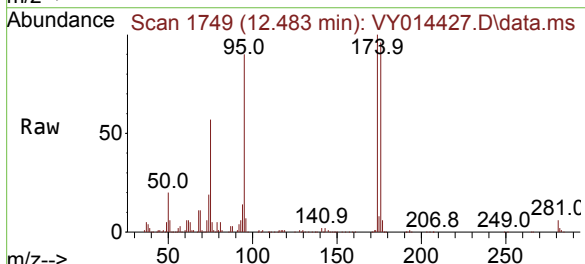
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6RE

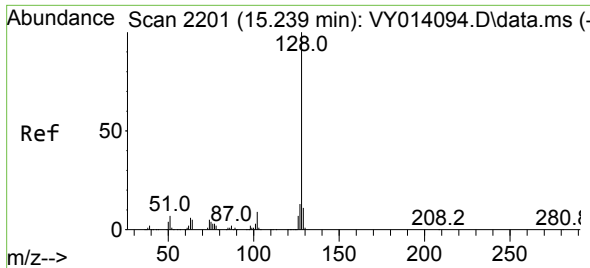
Tgt Ion: 75 Resp: 46523
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.649 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014427.D
Acq: 26 Jun 2023 12:32

Tgt Ion: 75 Resp: 46523
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 3.210 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY014427.D

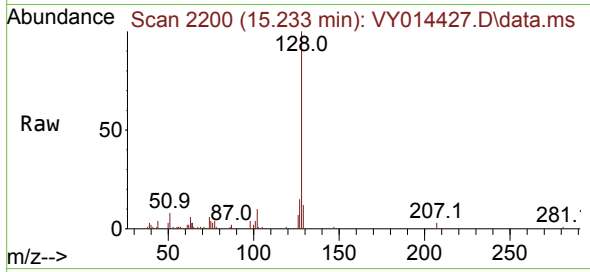
Acq: 26 Jun 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6RE



Tgt Ion:128 Resp: 11953

Ion Ratio Lower Upper

128 100

127 15.7 10.8 16.2

129 11.4 8.6 13.0

