

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014416.D
 Acq On : 23 Jun 2023 18:35
 Operator : KP/MD
 Sample : 03362-25
 Misc : 9.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRAB-7

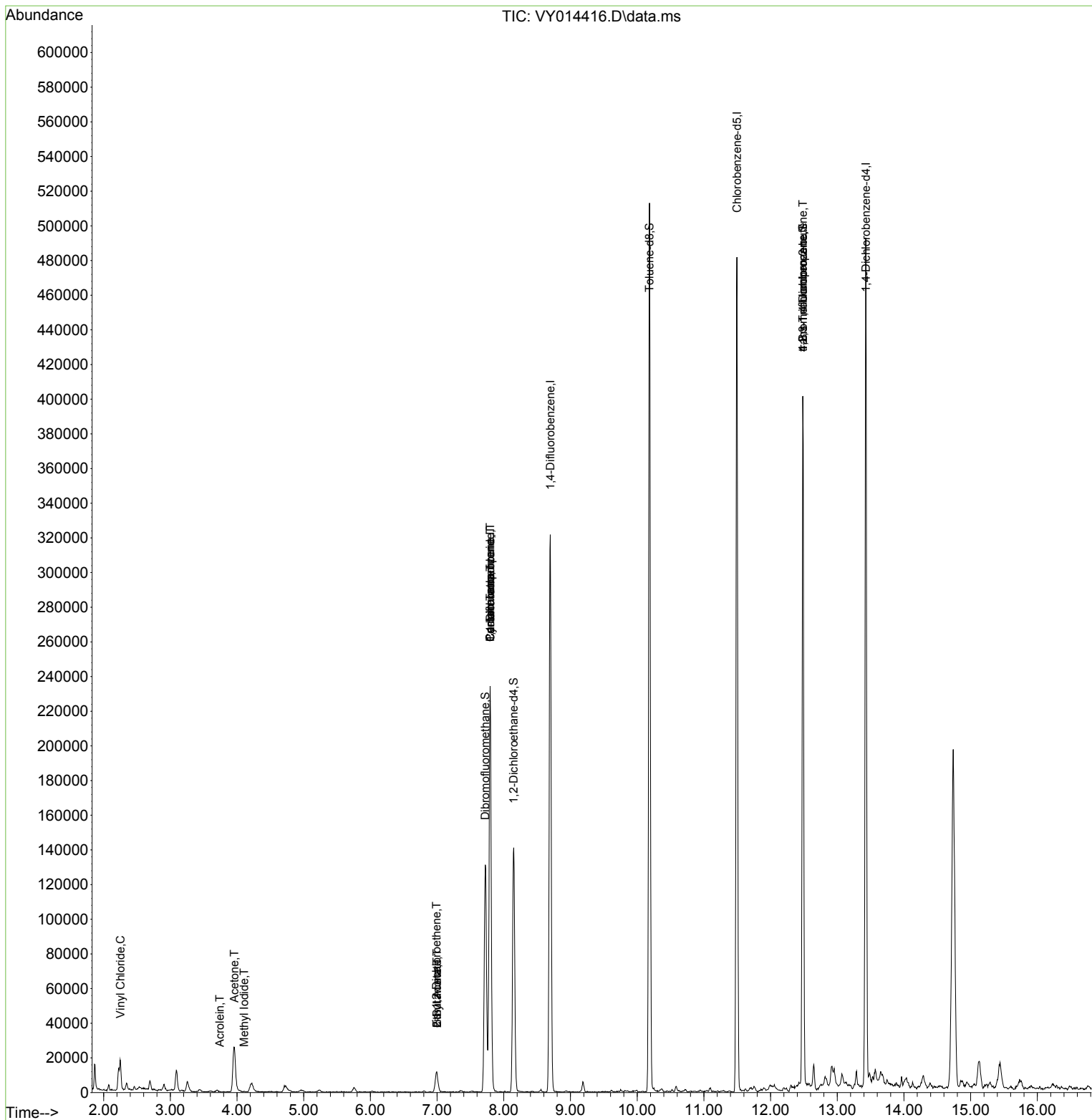
Quant Time: Jun 23 23:14:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	259585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	126298	57.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.020%	
35) Dibromofluoromethane	7.722	113	87738	51.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.120%	
50) Toluene-d8	10.185	98	329341	48.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.360%	
62) 4-Bromofluorobenzene	12.483	95	109026	45.144	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.280%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	3629	2.054	ug/l #	83
10) Methyl Iodide	4.107	142	79	2.909	ug/l #	30
11) Tert butyl alcohol	4.960	59	2250	Below Cal	#	94
13) Acrolein	3.741	56	37	4.473	ug/l #	14
16) Acetone	3.960	43	47813	68.586	ug/l	99
20) Methylene Chloride	4.710	84	1612	Below Cal	#	46
25) 2-Butanone	6.996	43	3573	4.115	ug/l #	76
27) cis-1,2-Dichloroethene	6.990	96	4117	2.023	ug/l	83
31) Cyclohexane	7.795	56	4539	1.659	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	12572	4.794	ug/l #	51
37) Ethyl Acetate	6.996	43	3573	1.977	ug/l #	1
38) Carbon Tetrachloride	7.795	117	17290	5.239	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	63022	40.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63022	91.983	ug/l #	11

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

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QLast Update : Fri Jun 23 17:18:46 2023
Response via : Initial Calibration

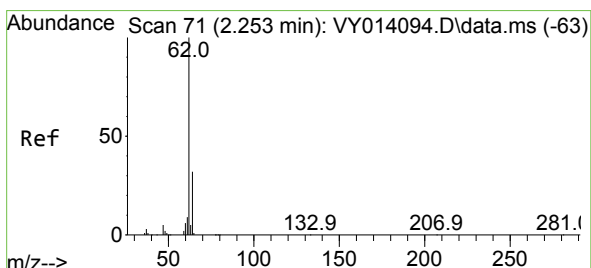
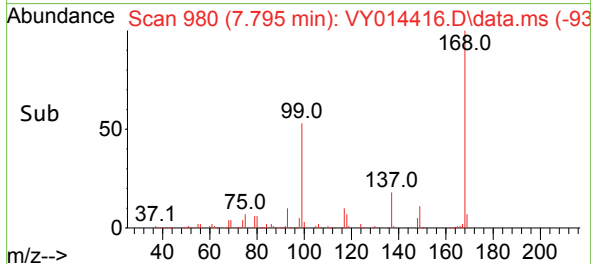
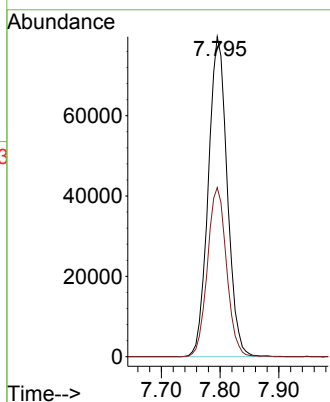
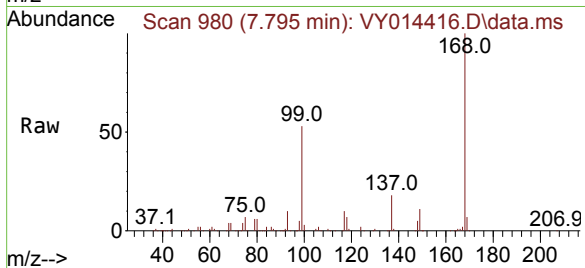




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

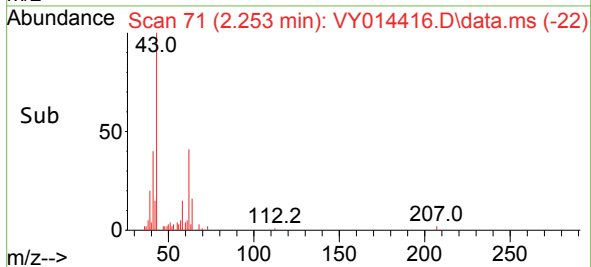
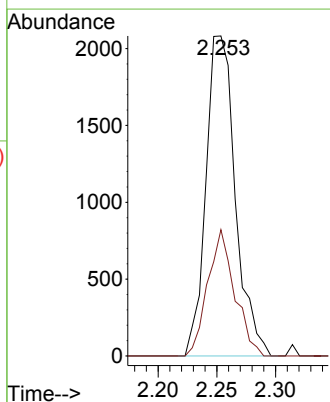
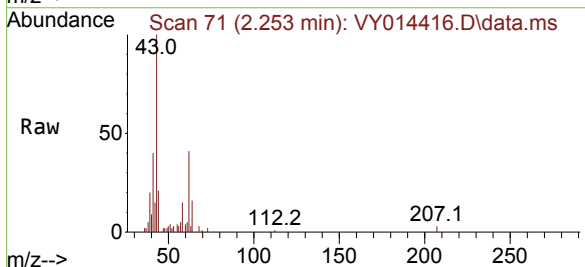
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRAB-7

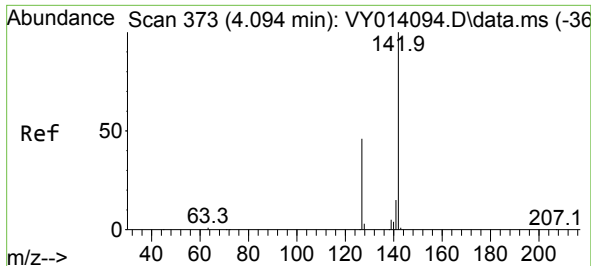
Tgt Ion:168 Resp: 178436
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#4
Vinyl Chloride
Concen: 2.054 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 62 Resp: 3629
Ion Ratio Lower Upper
62 100
64 39.5 24.3 36.5#

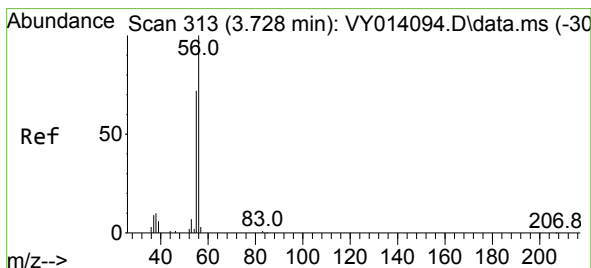
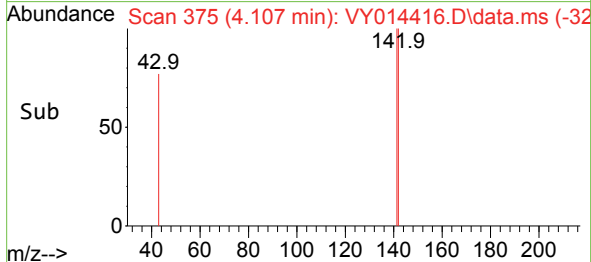
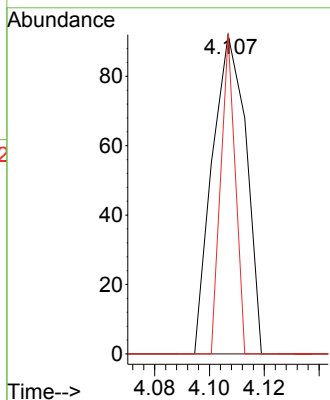
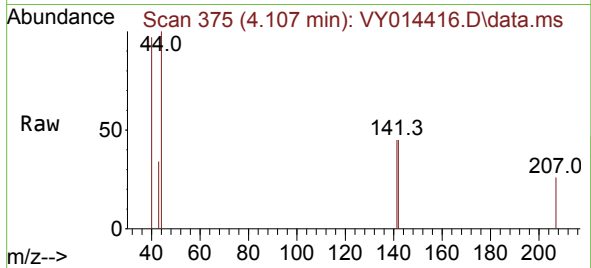




#10
Methyl Iodide
Concen: 2.909 ug/l
RT: 4.107 min Scan# 315
Delta R.T. 0.013 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

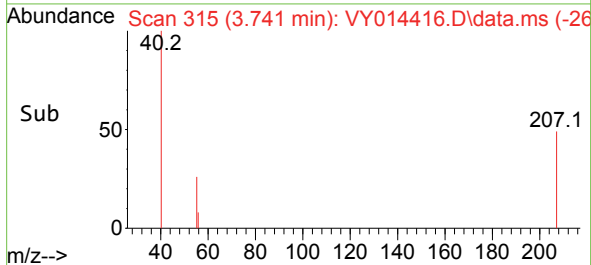
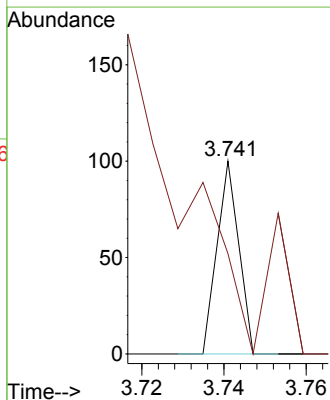
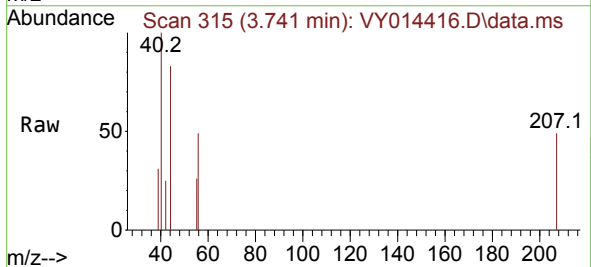
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRAB-7

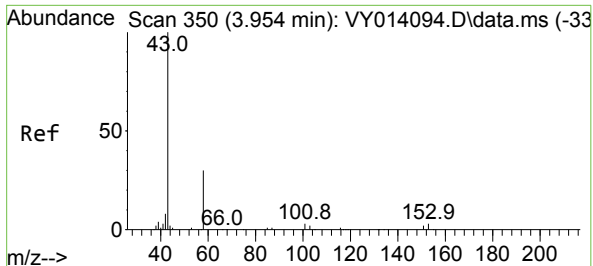
Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 43.0 11.8 17.8#



#13
Acrolein
Concen: 4.473 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.013 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 56 Resp: 37
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 68.586 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY014416.D

Acq: 23 Jun 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

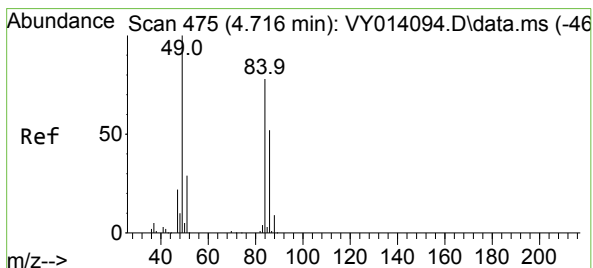
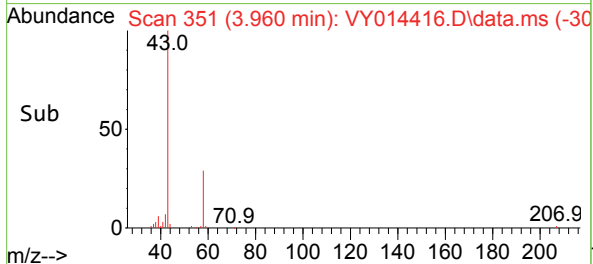
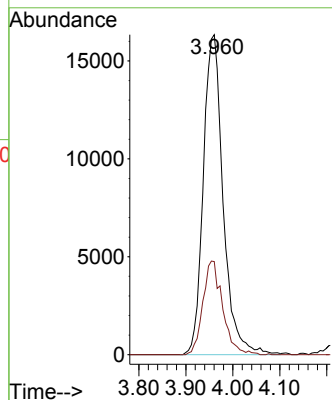
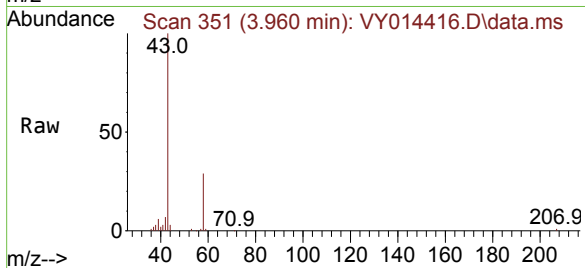
TOTAL-VOC-SB-25-GRAB-7

Tgt Ion: 43 Resp: 47813

Ion Ratio Lower Upper

43 100

58 29.1 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014416.D

Acq: 23 Jun 2023 18:35

Tgt Ion: 84 Resp: 1612

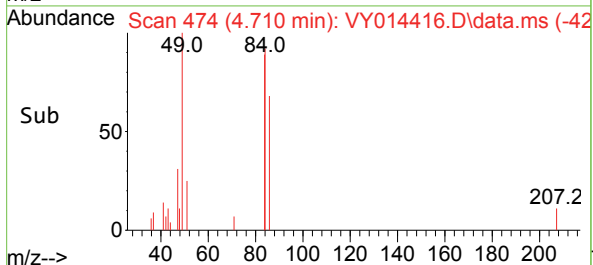
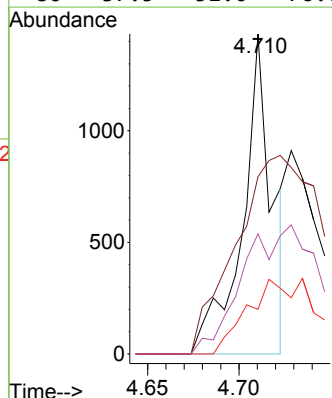
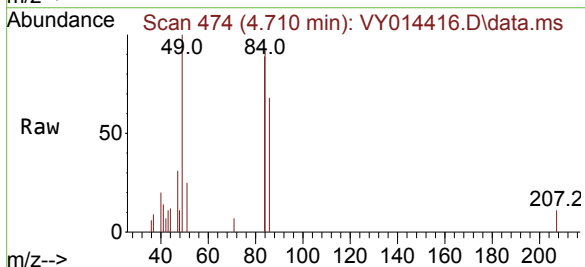
Ion Ratio Lower Upper

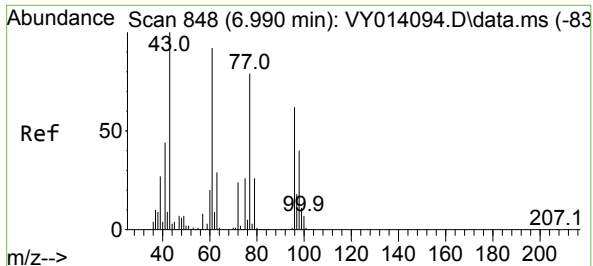
84 100

49 55.4 106.9 160.3#

51 13.9 33.2 49.8#

86 37.5 51.0 76.6#





#25

2-Butanone

Concen: 4.115 ug/l

RT: 6.996 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY014416.D

Acq: 23 Jun 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

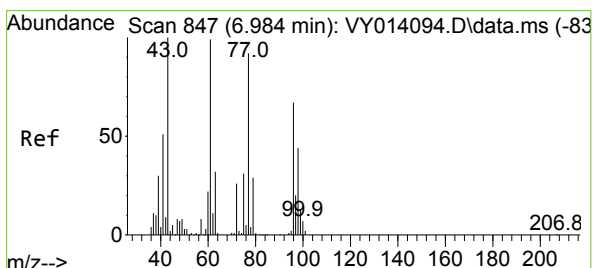
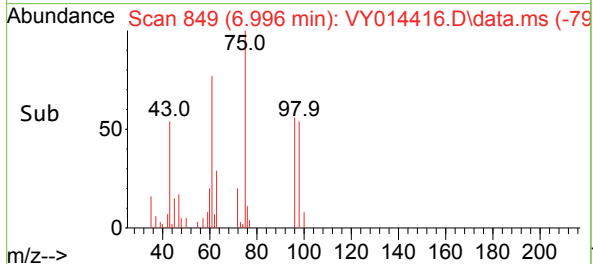
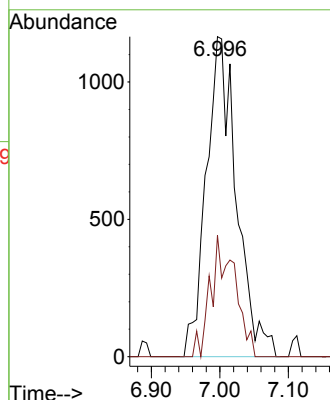
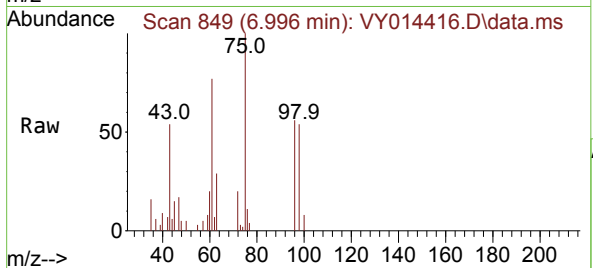
TOTAL-VOC-SB-25-GRAB-7

Tgt Ion: 43 Resp: 3573

Ion Ratio Lower Upper

43 100

72 37.9 20.5 30.7#



#27

cis-1,2-Dichloroethene

Concen: 2.023 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY014416.D

Acq: 23 Jun 2023 18:35

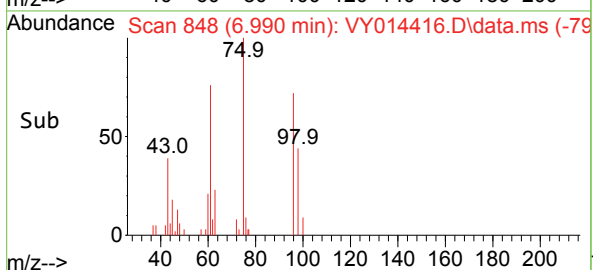
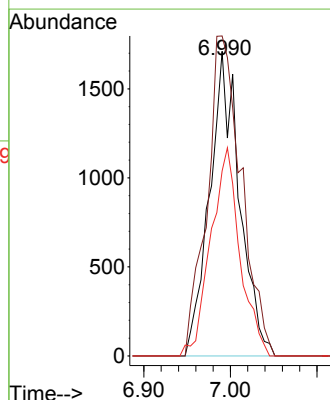
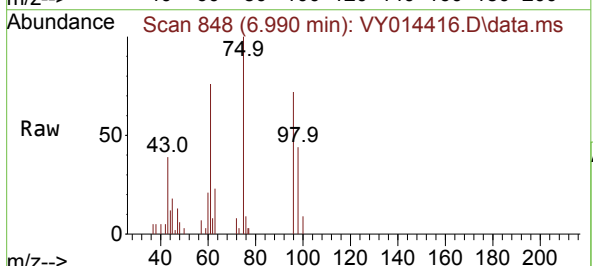
Tgt Ion: 96 Resp: 4117

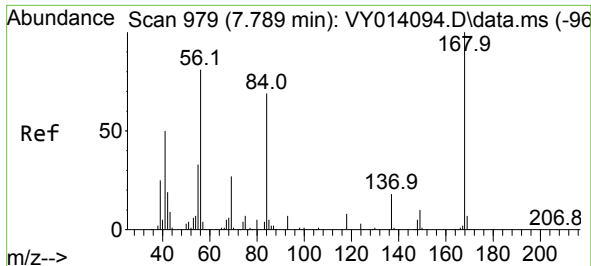
Ion Ratio Lower Upper

96 100

61 120.1 0.0 301.4

98 66.6 0.0 130.4

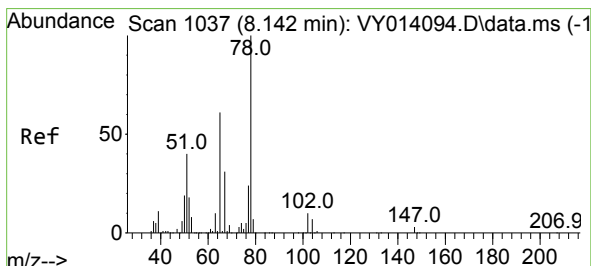
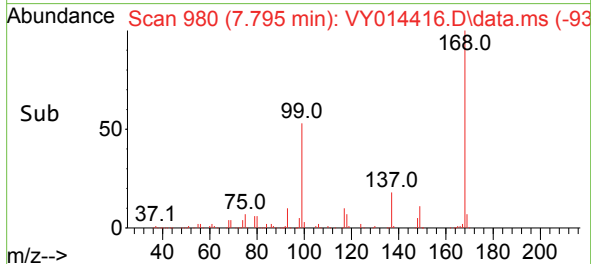
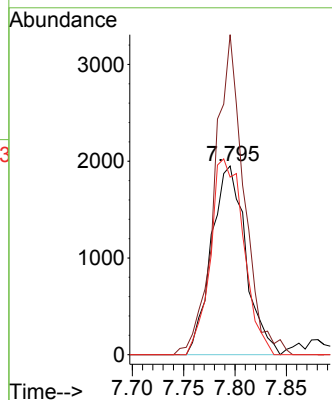
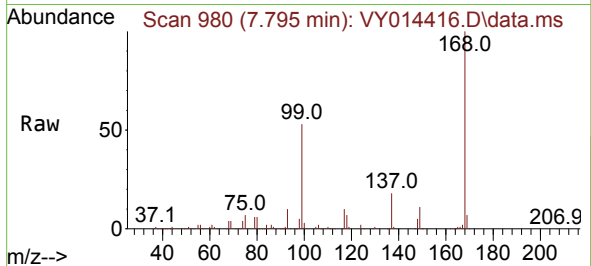




#31
Cyclohexane
Concen: 1.659 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

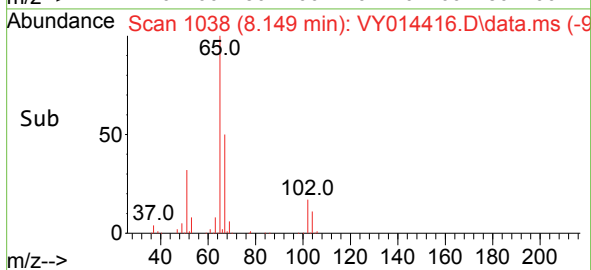
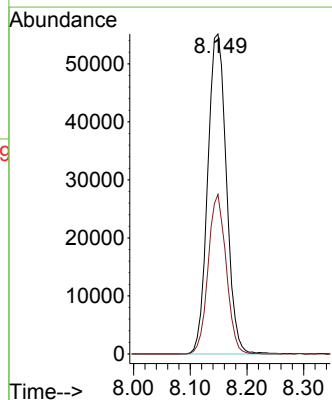
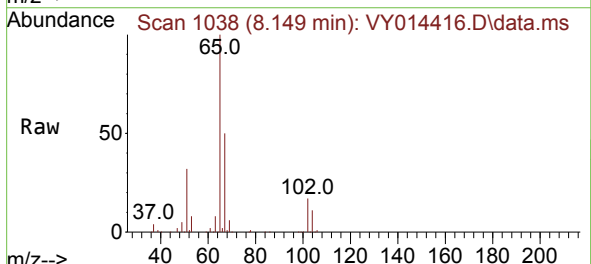
Instrument :
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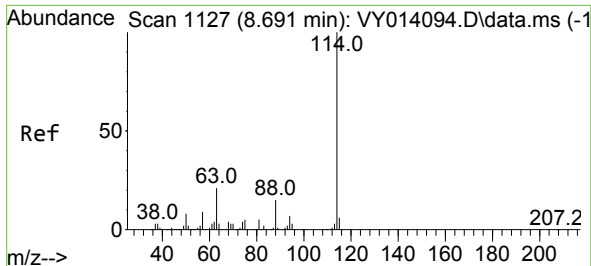
Tgt Ion: 56 Resp: 4539
Ion Ratio Lower Upper
56 100
69 166.2 27.8 41.6#
84 94.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 57.008 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 65 Resp: 126298
Ion Ratio Lower Upper
65 100
67 48.0 0.0 101.8

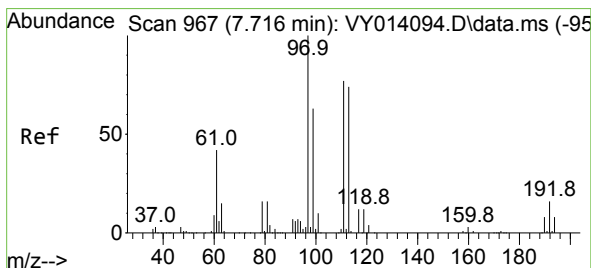
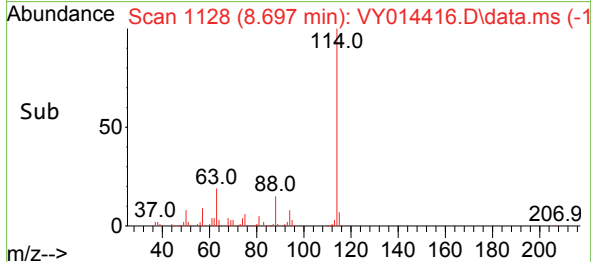
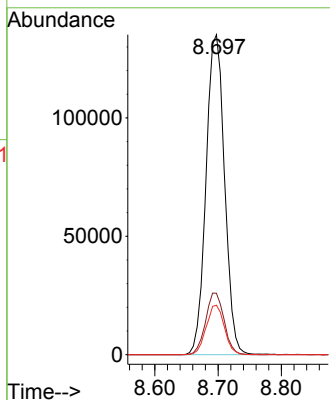
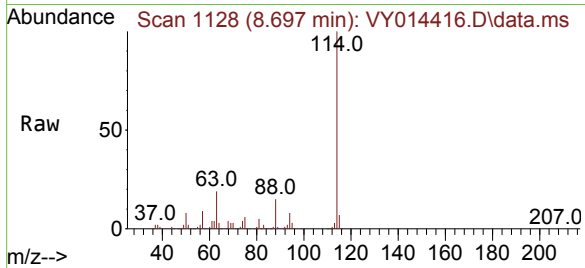




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

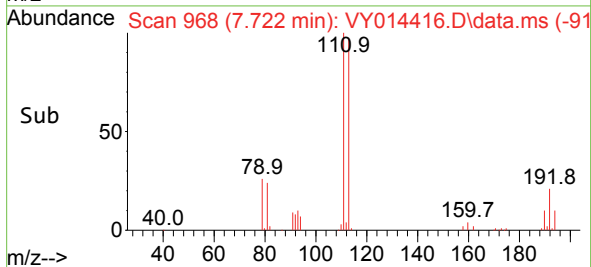
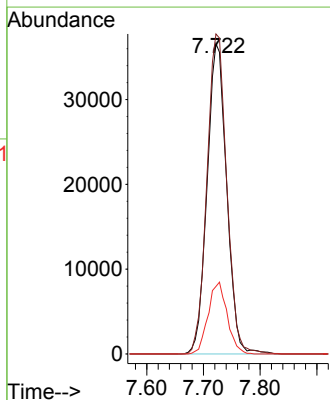
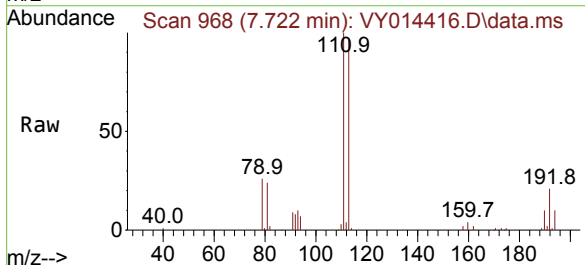
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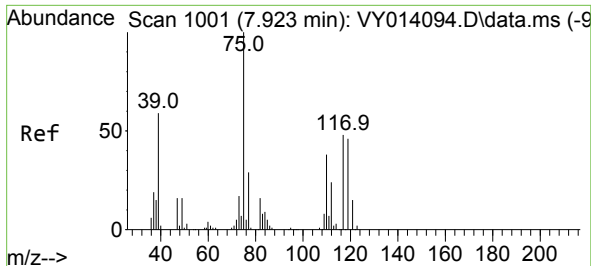
Tgt Ion:114 Resp: 275449
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.557 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion:113 Resp: 87738
Ion Ratio Lower Upper
113 100
111 104.4 81.3 121.9
192 22.5 16.9 25.3

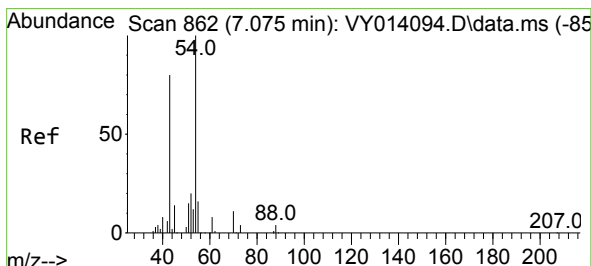
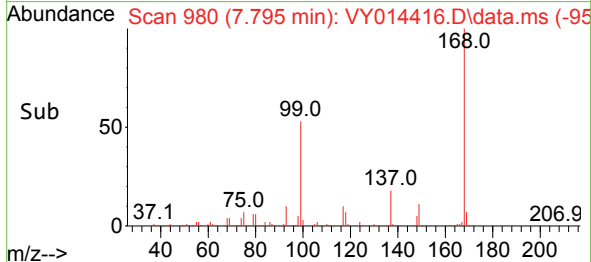
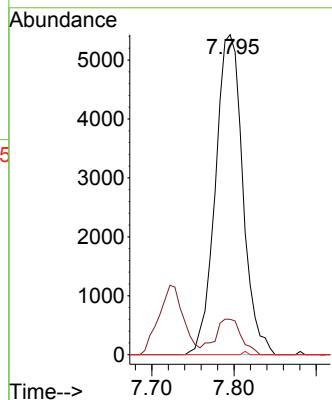
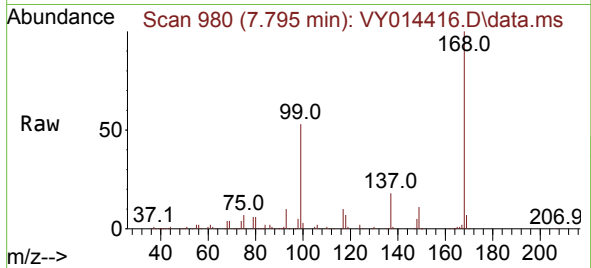




#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

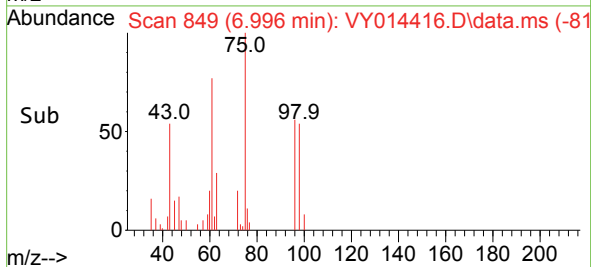
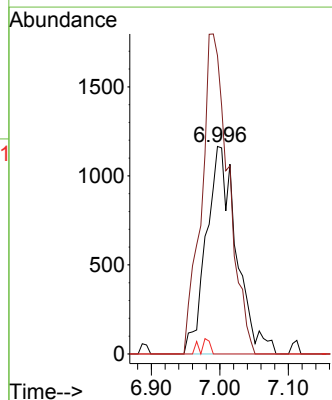
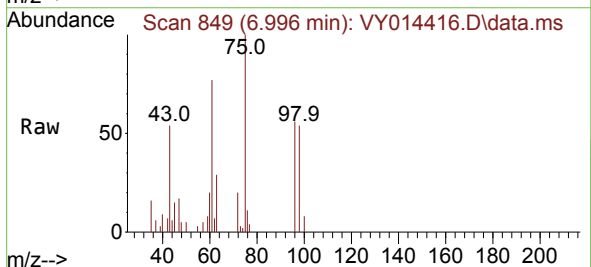
Instrument :
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TOTAL-VOC-SB-25-GRAB-7

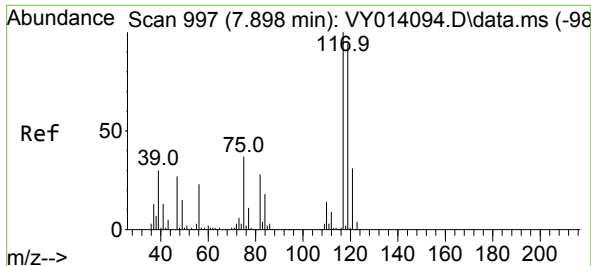
Tgt Ion: 75 Resp: 12572
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.977 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.079 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
61 138.4 10.1 15.1#
70 2.3 7.1 10.7#

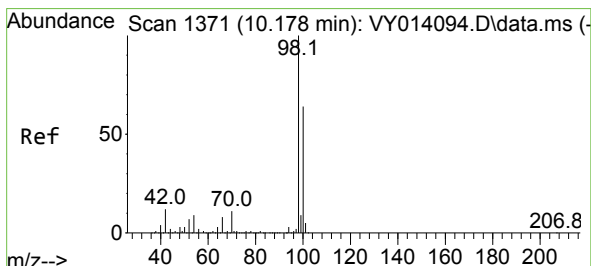
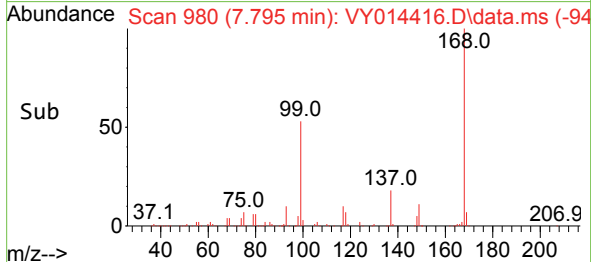
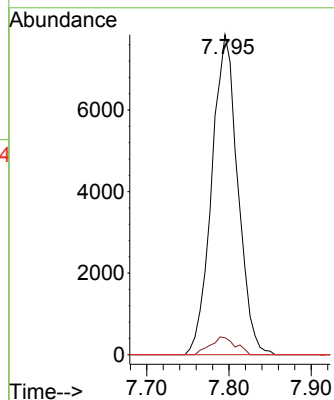
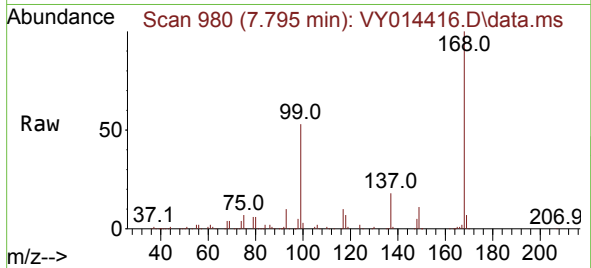




#38
Carbon Tetrachloride
Concen: 5.239 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

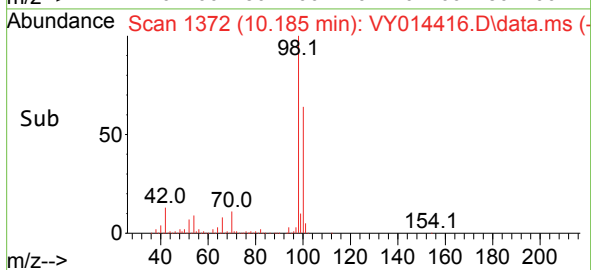
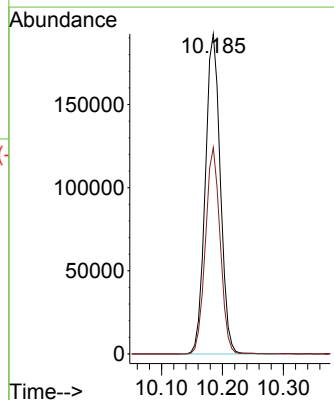
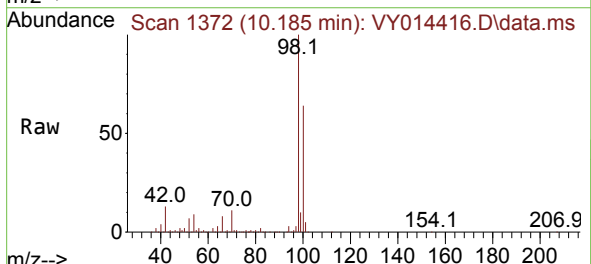
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRAB-7

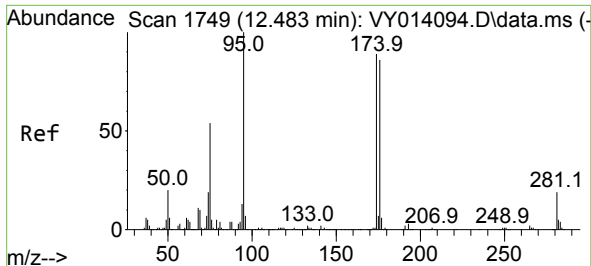
Tgt Ion:117 Resp: 17290
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.685 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 98 Resp: 329341
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1

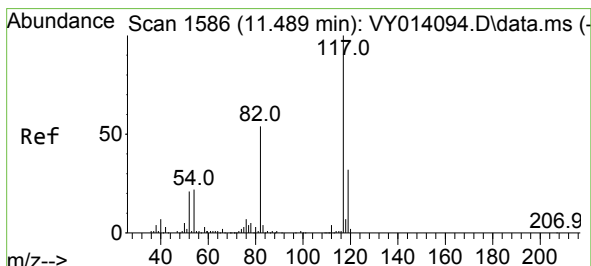
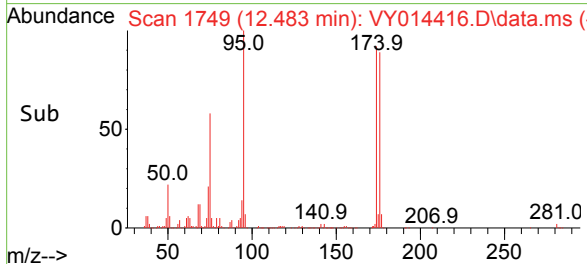
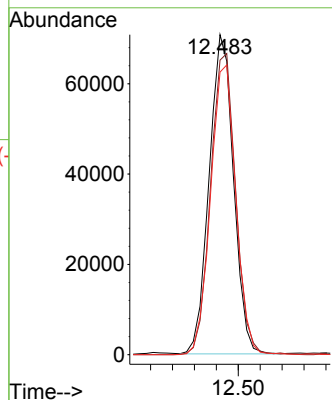
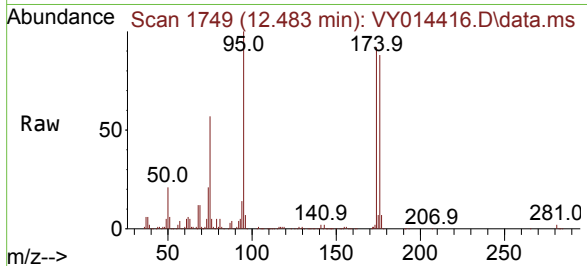




#62
4-Bromofluorobenzene
Concen: 45.144 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

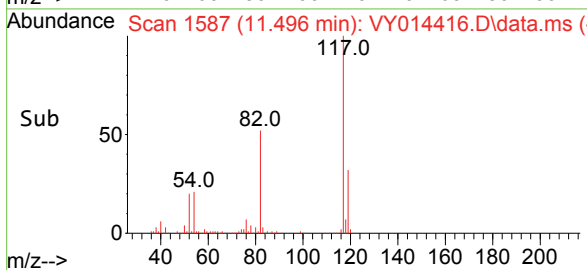
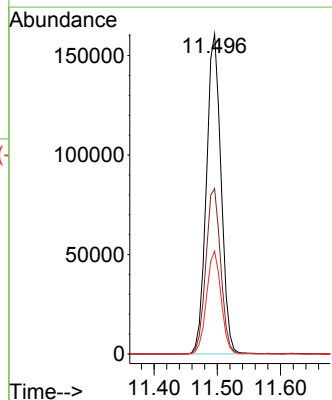
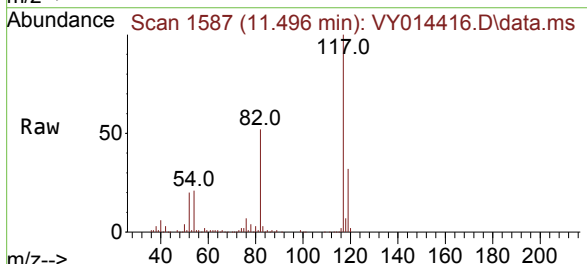
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRAB-7

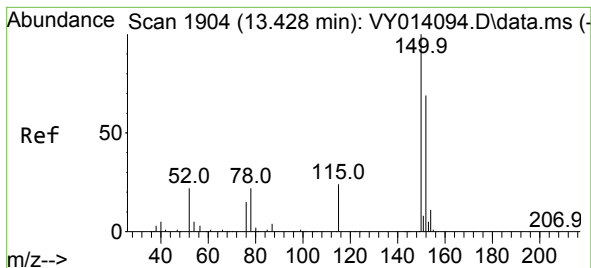
Tgt Ion: 95 Resp: 109026
Ion Ratio Lower Upper
95 100
174 97.3 0.0 178.2
176 94.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014416.D
Acq: 23 Jun 2023 18:35

Tgt Ion: 117 Resp: 259585
Ion Ratio Lower Upper
117 100
82 51.7 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. 0.000 min

Lab File: VY014416.D

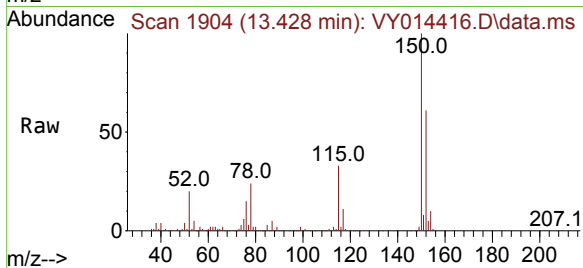
Acq: 23 Jun 2023 18:35

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRAB-7



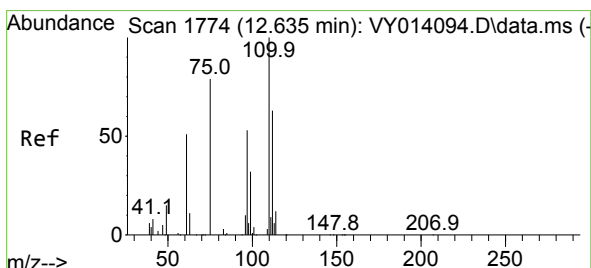
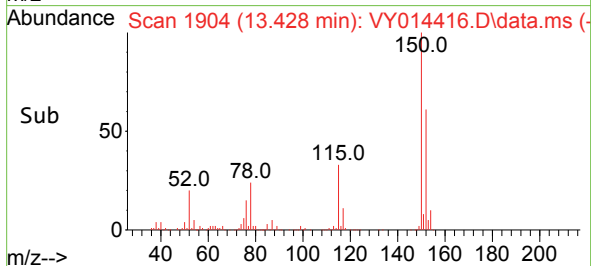
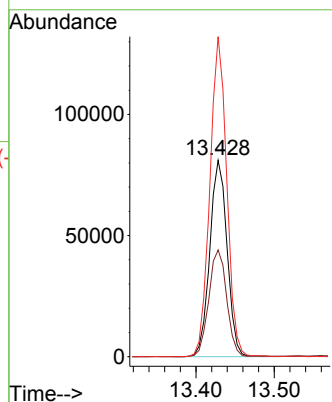
Tgt Ion:152 Resp: 124349

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 158.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.402 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014416.D

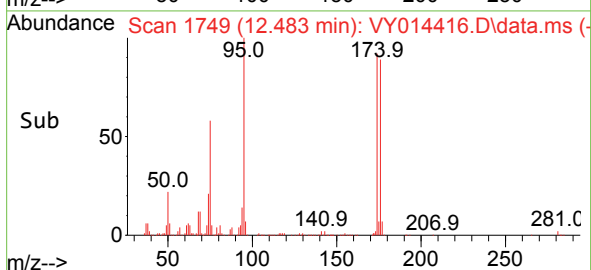
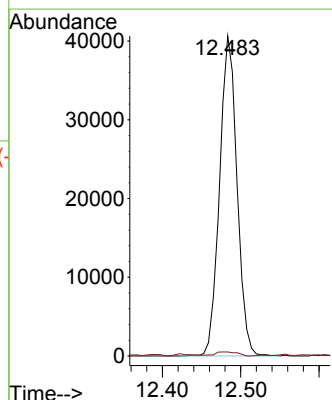
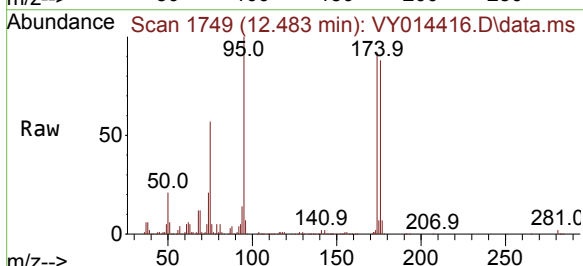
Acq: 23 Jun 2023 18:35

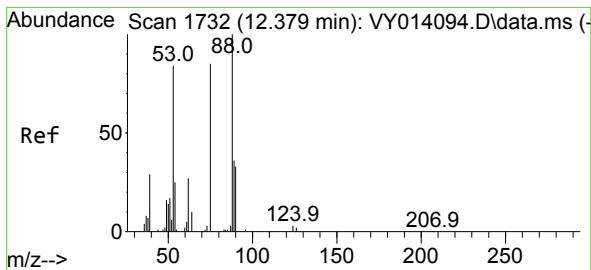
Tgt Ion: 75 Resp: 63022

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.983 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014416.D
 Acq: 23 Jun 2023 18:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRAB-7

Tgt Ion: 75 Resp: 63022
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.2 37.4 56.0#

