

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014215.D
 Acq On : 16 Jun 2023 19:55
 Operator : KP/MD
 Sample : 03255-06
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-24-GRAB-7

Quant Time: Jun 16 23:25:54 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)

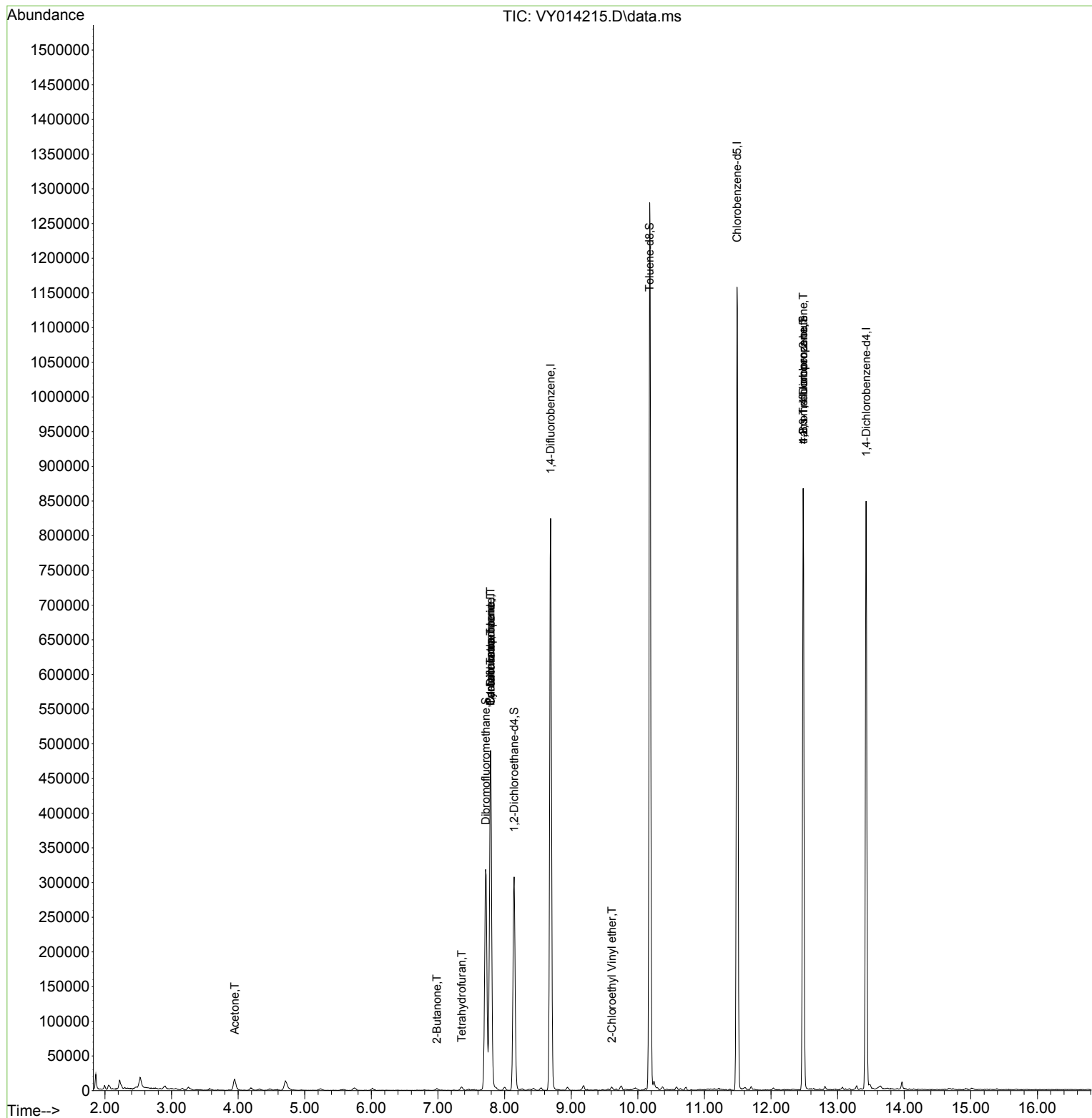
Internal Standards						
1) Pentafluorobenzene	7.789	168	372153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	665106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	616615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	208040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	255322	49.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.540%		
35) Dibromofluoromethane	7.715	113	216521	45.904	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.800%		
50) Toluene-d8	10.178	98	815789	46.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.520%		
62) 4-Bromofluorobenzene	12.483	95	239172	38.181	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	429	Below Cal	#	89
13) Acrolein	3.716	56	39	Below Cal	#	1
16) Acetone	3.948	43	27554	17.639	ug/l	99
20) Methylene Chloride	4.710	84	8939	Below Cal		93
25) 2-Butanone	6.984	43	2170	1.129	ug/l	# 84
29) Tetrahydrofuran	7.356	42	3144	2.578	ug/l	94
31) Cyclohexane	7.789	56	9570	1.379	ug/l	# 12
36) 1,1-Dichloropropene	7.789	75	27768	3.776	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	36843	4.342	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.611	63	20	28.626	ug/l	# 48
76) 1,2,3-Trichloropropane	12.483	75	131907	48.328	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	131907	104.465	ug/l	# 11

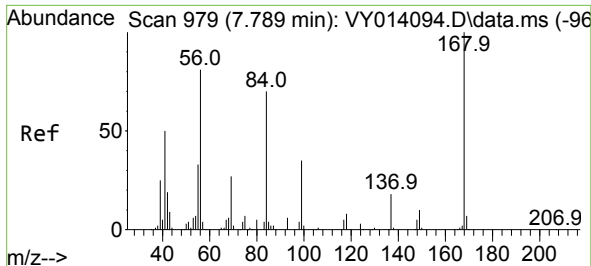
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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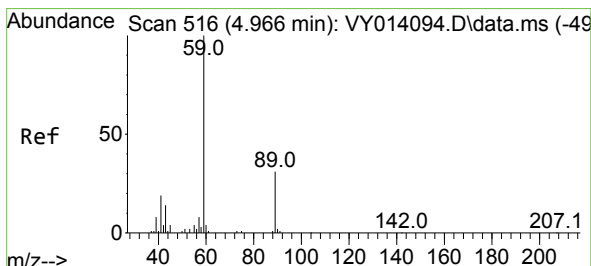
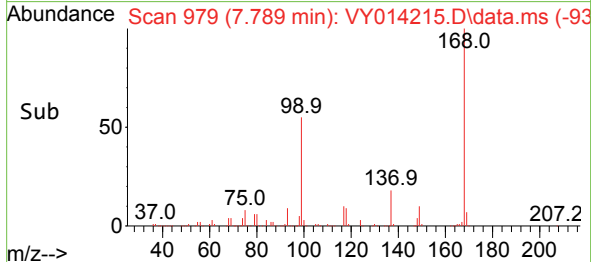
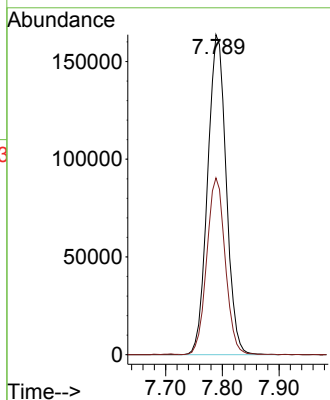
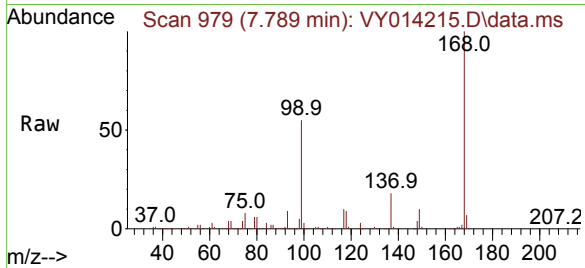




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

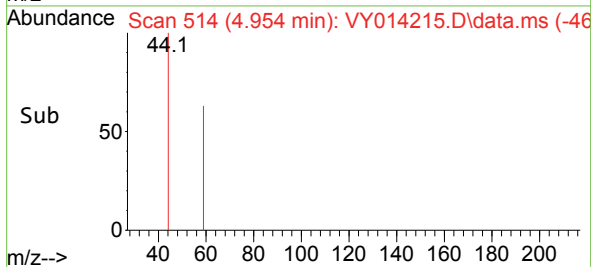
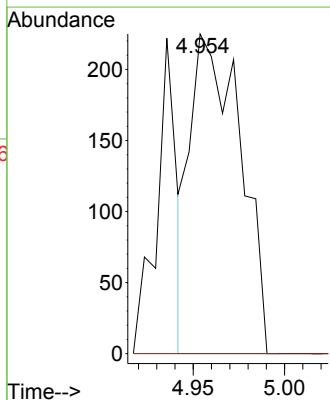
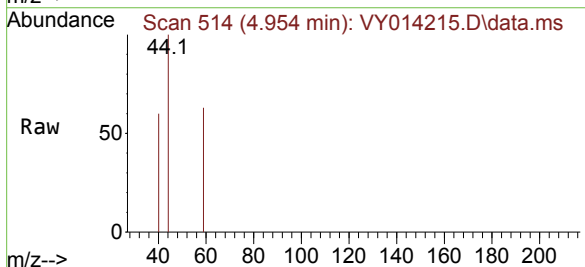
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-7

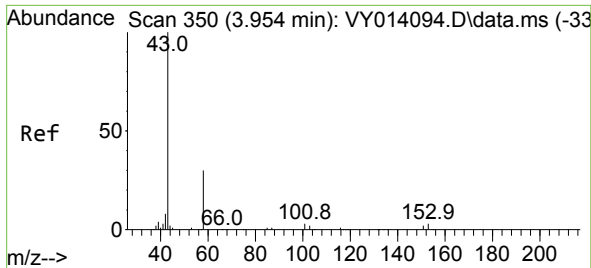
Tgt Ion:168 Resp: 372153
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 17.639 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014215.D

Acq: 16 Jun 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

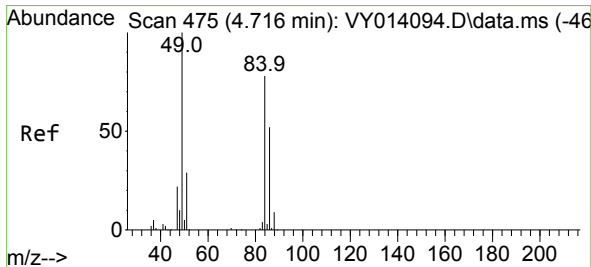
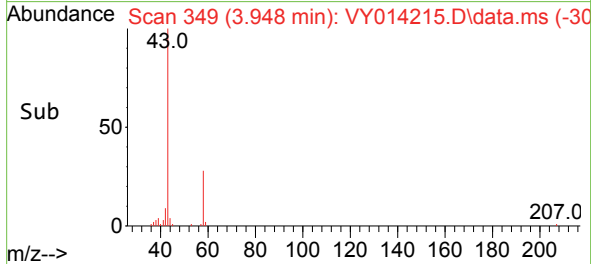
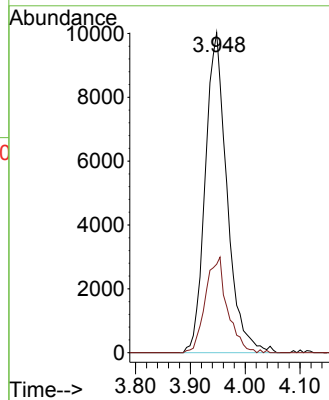
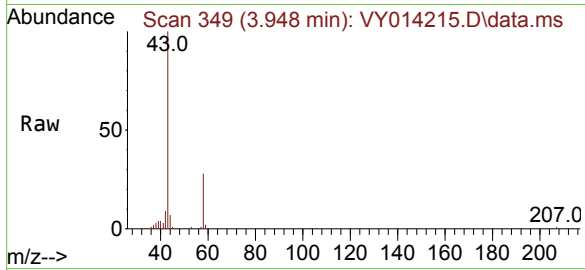
TOTAL-VOC-SB-24-GRAB-7

Tgt Ion: 43 Resp: 27554

Ion Ratio Lower Upper

43 100

58 27.7 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014215.D

Acq: 16 Jun 2023 19:55

Tgt Ion: 84 Resp: 8939

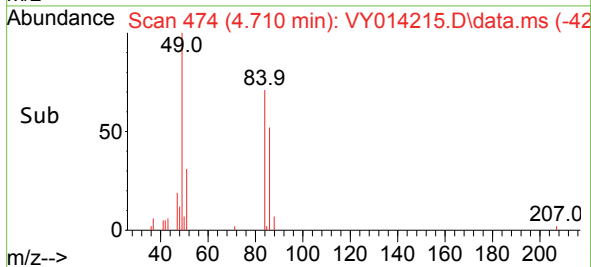
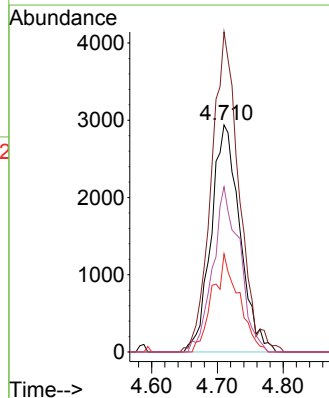
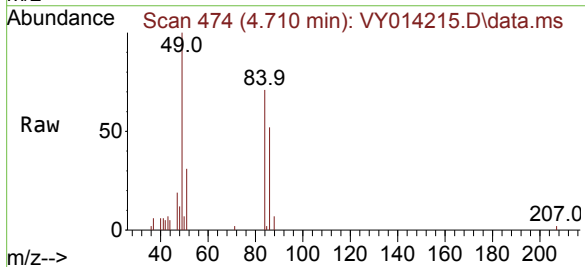
Ion Ratio Lower Upper

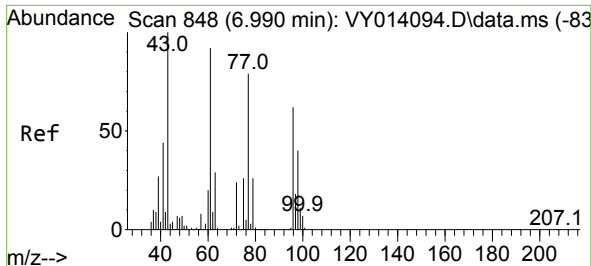
84 100

49 140.9 106.9 160.3

51 43.2 33.2 49.8

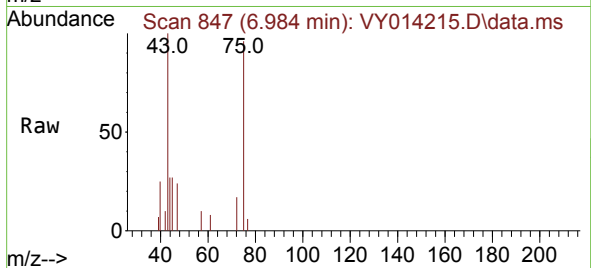
86 72.8 51.0 76.6



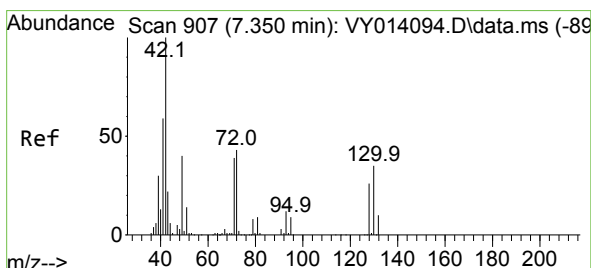
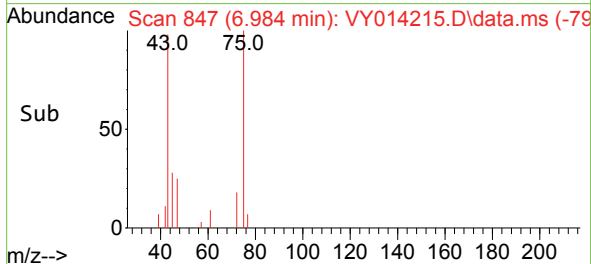
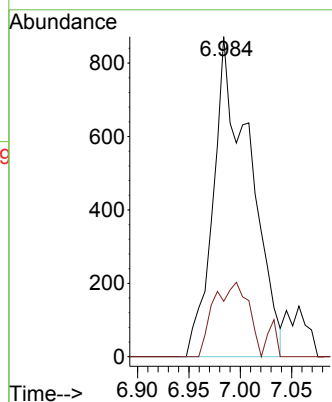


#25
2-Butanone
Concen: 1.129 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-7

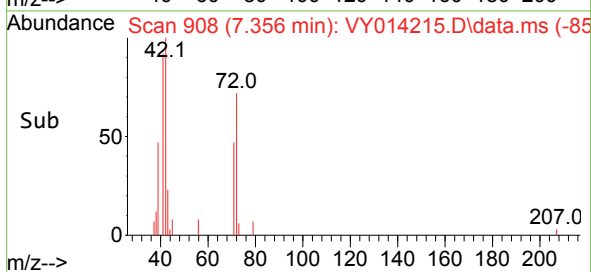
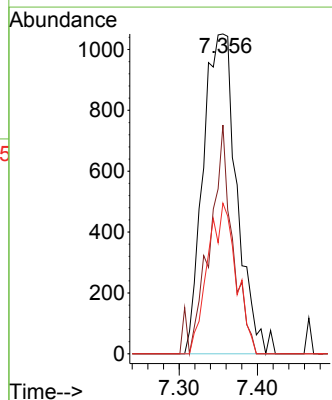
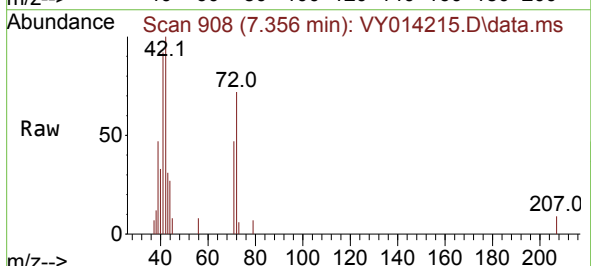


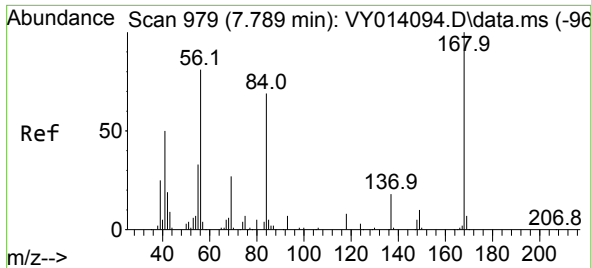
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
72 17.3 20.5 30.7#



#29
Tetrahydrofuran
Concen: 2.578 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Tgt Ion: 42 Resp: 3144
Ion Ratio Lower Upper
42 100
72 47.6 32.8 49.2
71 39.9 31.0 46.4

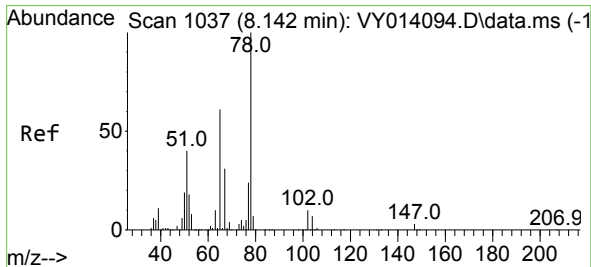
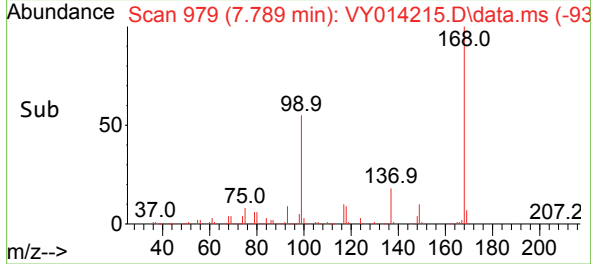
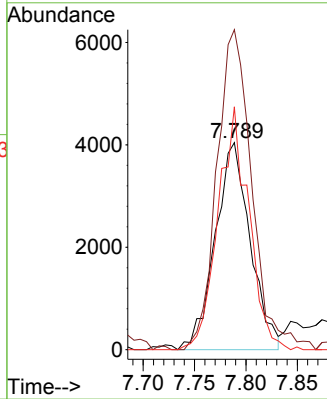
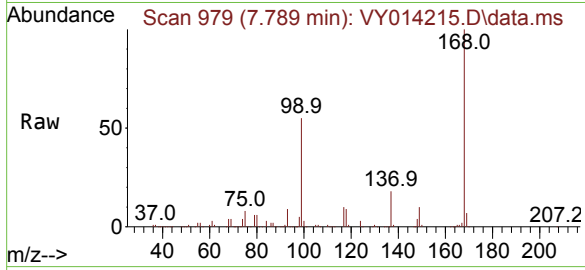




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

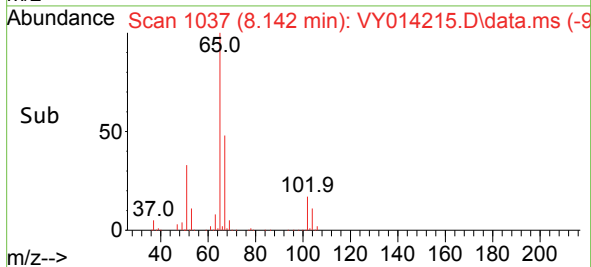
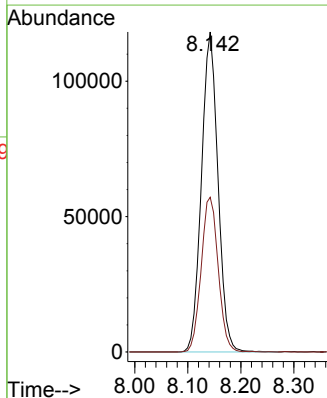
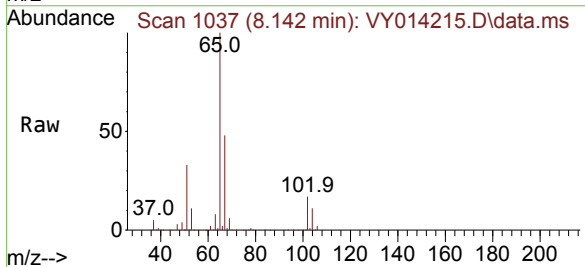
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-7

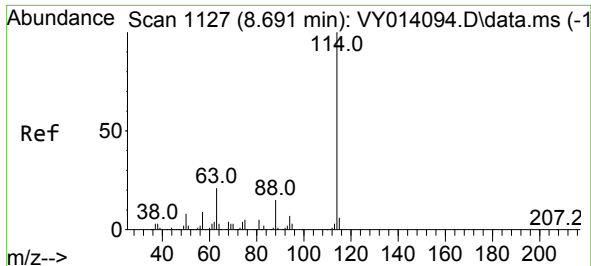
Tgt Ion: 56 Resp: 9570
Ion Ratio Lower Upper
56 100
69 154.6 27.8 41.6#
84 117.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.268 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Tgt Ion: 65 Resp: 255322
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8

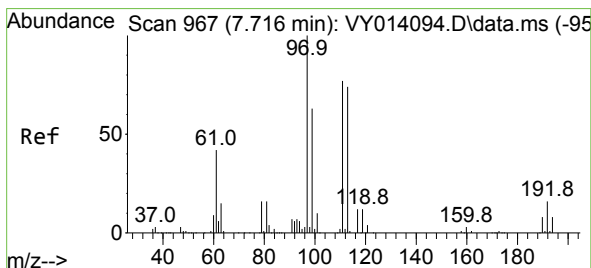
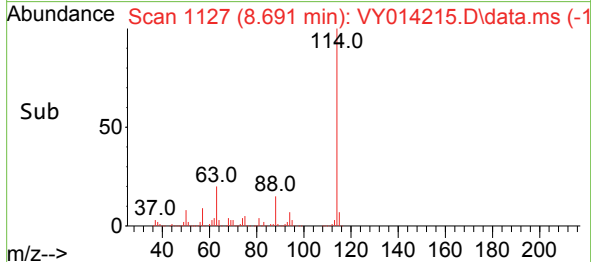
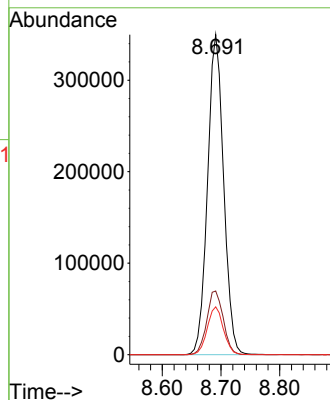
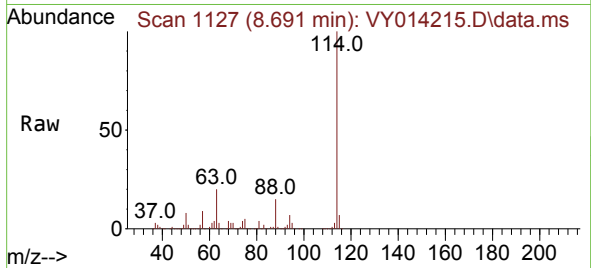




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

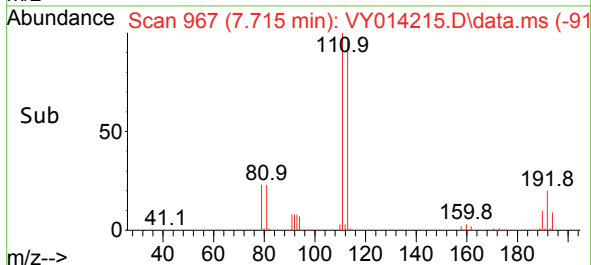
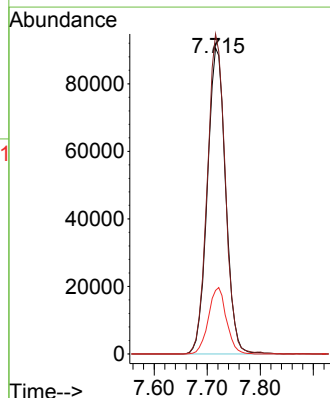
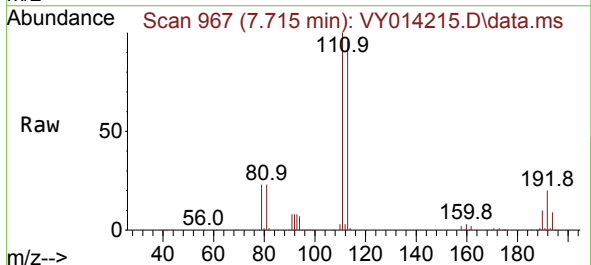
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-24-GRAB-7

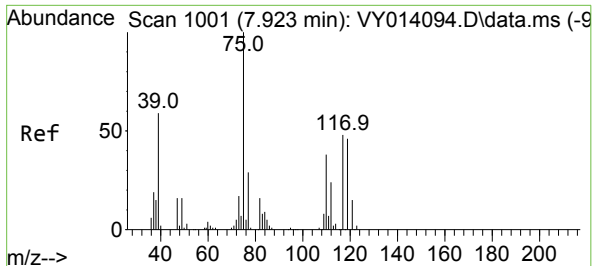
Tgt Ion:	114	Resp:	665106
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 45.904 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Tgt Ion:	113	Resp:	216521
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.3	121.9
192	21.3	16.9	25.3





#36

1,1-Dichloropropene

Concen: 3.776 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014215.D

Acq: 16 Jun 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-7

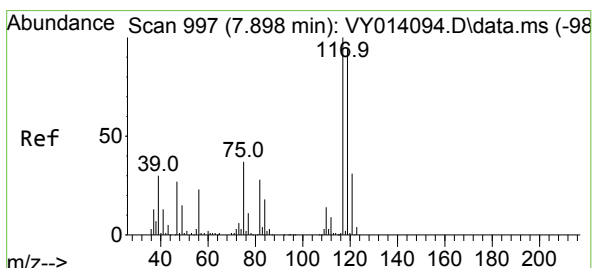
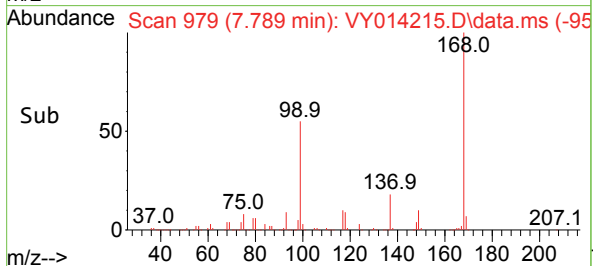
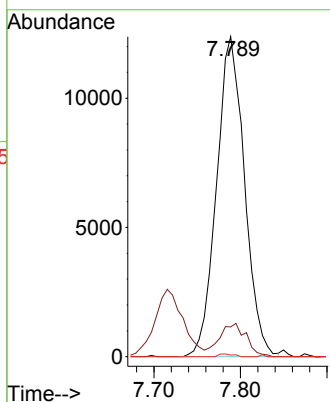
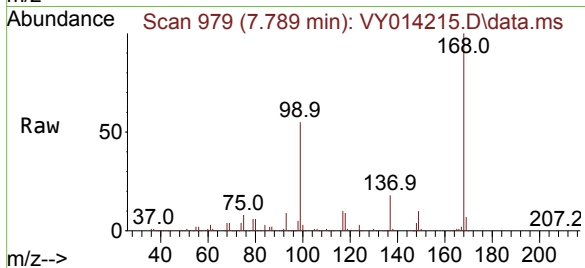
Tgt Ion: 75 Resp: 27768

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.5#

77 0.5 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.342 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014215.D

Acq: 16 Jun 2023 19:55

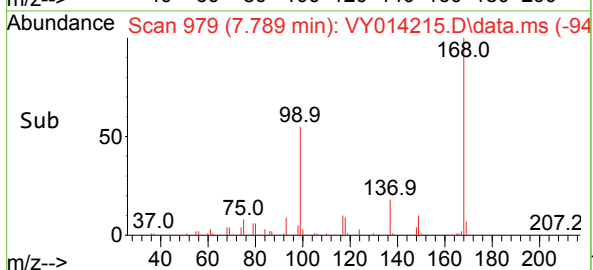
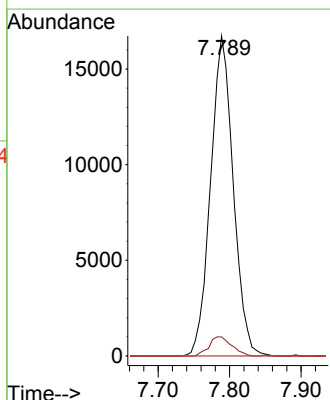
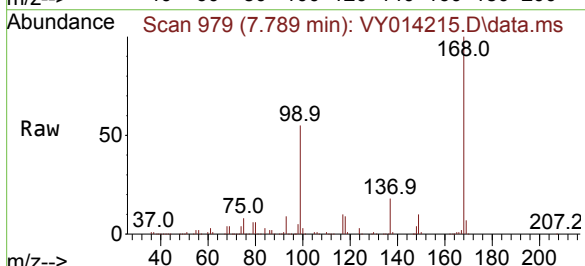
Tgt Ion: 117 Resp: 36843

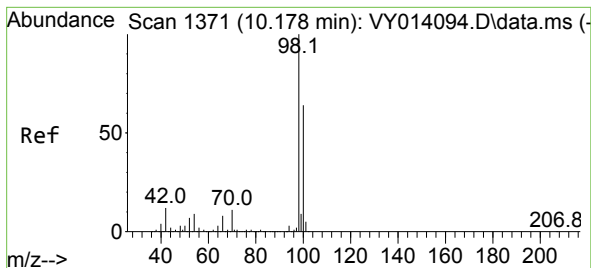
Ion Ratio Lower Upper

117 100

119 5.9 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 46.262 ug/l

RT: 10.178 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014215.D

Acq: 16 Jun 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

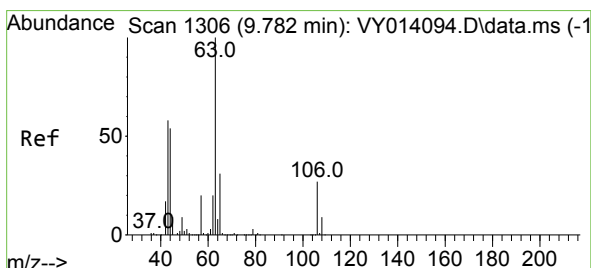
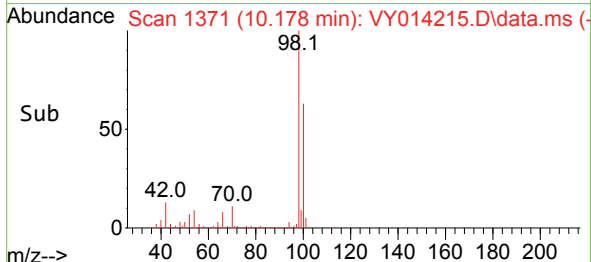
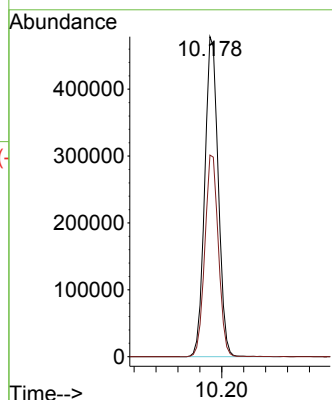
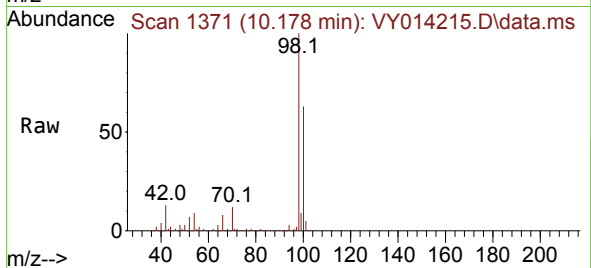
TOTAL-VOC-SB-24-GRAB-7

Tgt Ion: 98 Resp: 815789

Ion Ratio Lower Upper

98 100

100 63.1 50.1 75.1



#58

2-Chloroethyl Vinyl ether

Concen: 28.626 ug/l

RT: 9.611 min Scan# 1278

Delta R.T. -0.171 min

Lab File: VY014215.D

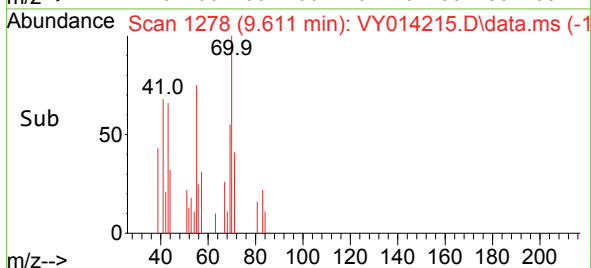
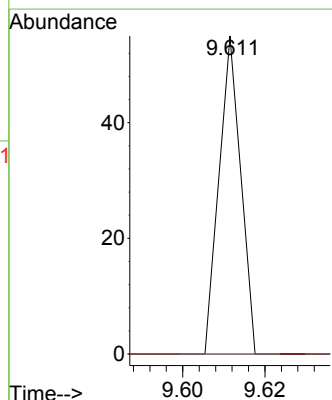
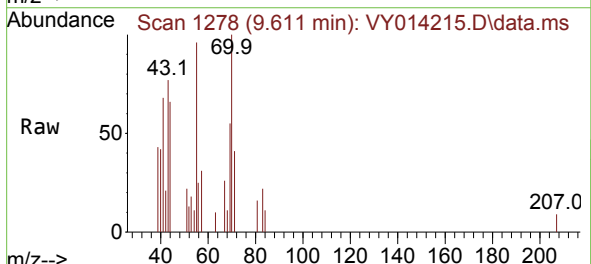
Acq: 16 Jun 2023 19:55

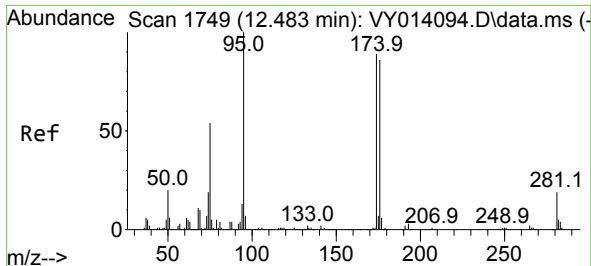
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

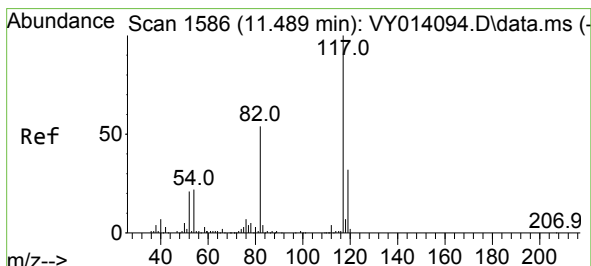
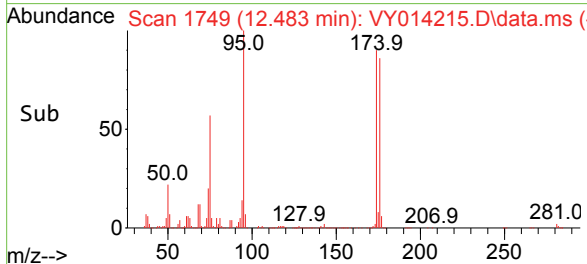
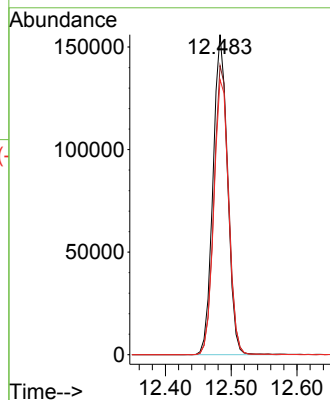
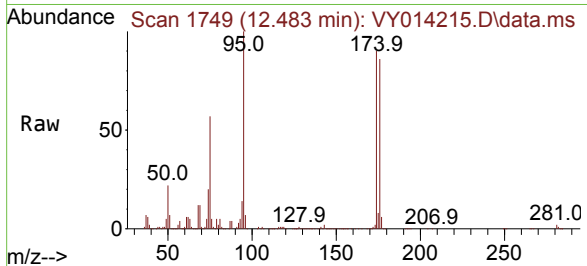




#62
4-Bromofluorobenzene
Concen: 38.181 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

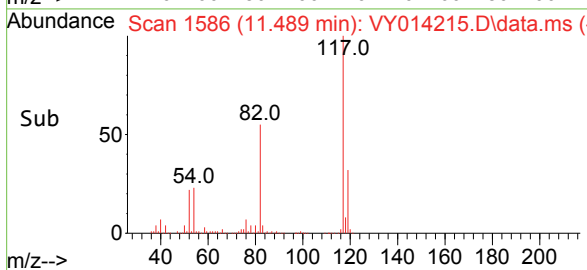
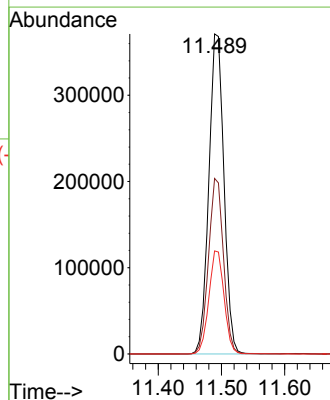
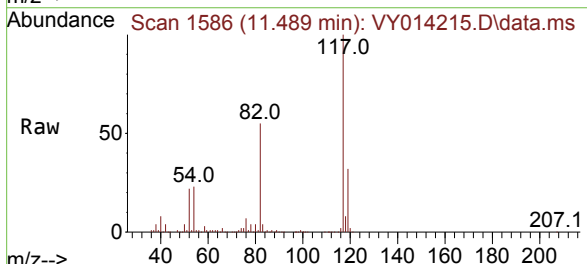
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-7

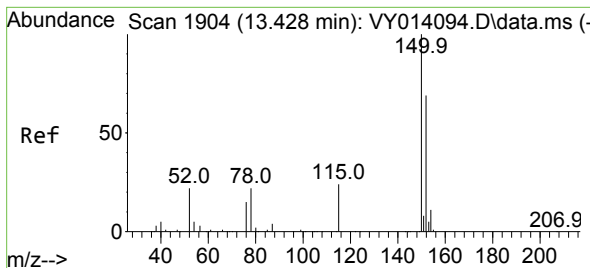
Tgt Ion: 95 Resp: 239172
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 87.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014215.D
Acq: 16 Jun 2023 19:55

Tgt Ion: 117 Resp: 616615
Ion Ratio Lower Upper
117 100
82 54.8 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: VY014215.D

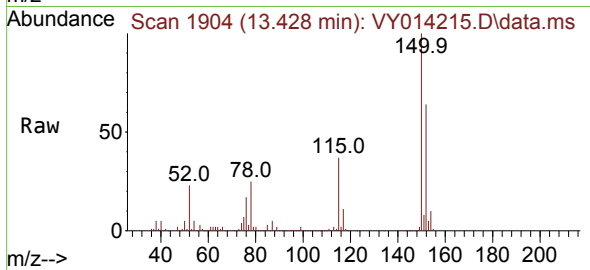
Acq: 16 Jun 2023 19:55

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-7



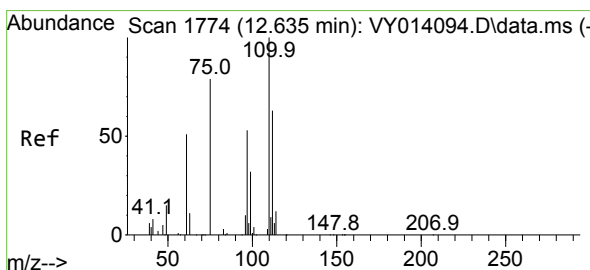
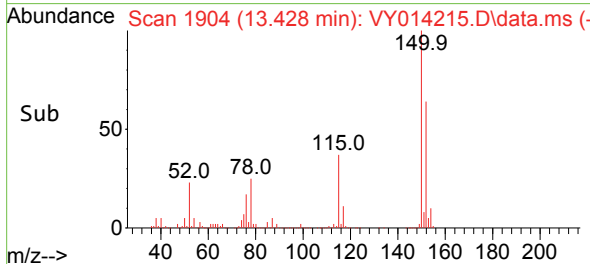
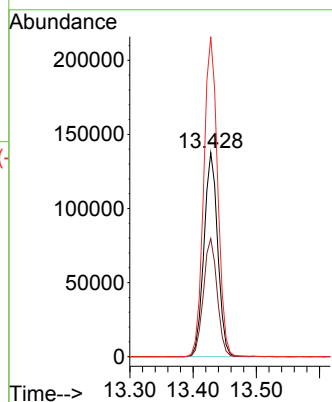
Tgt Ion:152 Resp: 208040

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 158.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 48.328 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014215.D

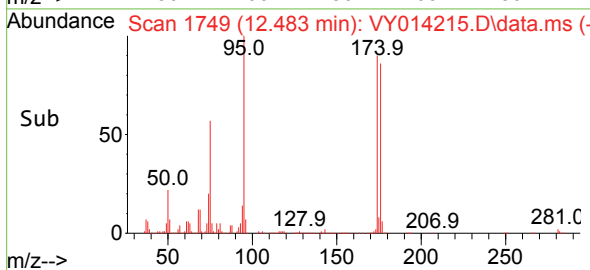
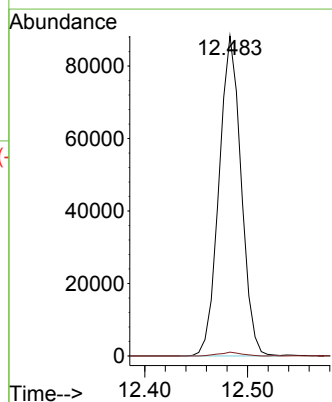
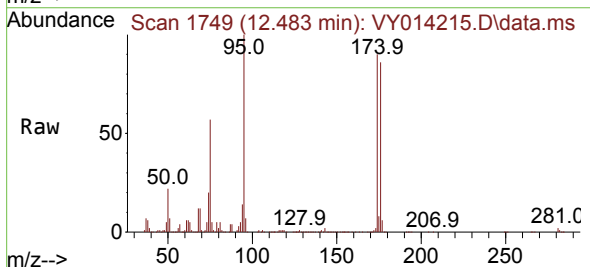
Acq: 16 Jun 2023 19:55

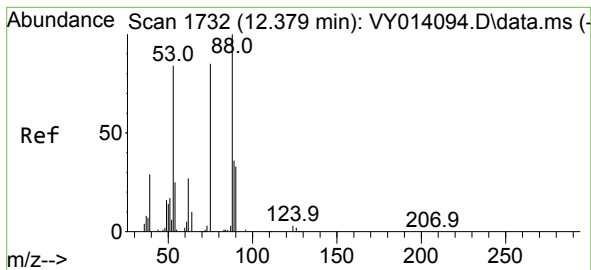
Tgt Ion: 75 Resp: 131907

Ion Ratio Lower Upper

75 100

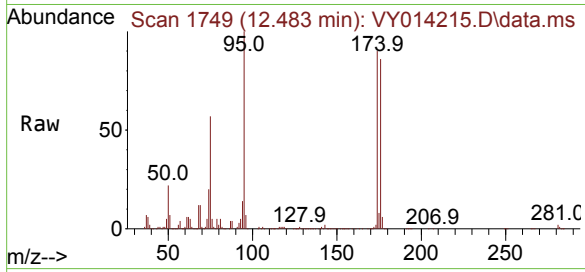
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.465 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014215.D
 Acq: 16 Jun 2023 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-24-GRAB-7



Tgt Ion: 75 Resp: 131907
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

