

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014185.D
 Acq On : 15 Jun 2023 13:32
 Operator : KP/MD
 Sample : 03222-06RE
 Misc : 11.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SB-33

Quant Time: Jun 16 02:07:35 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)

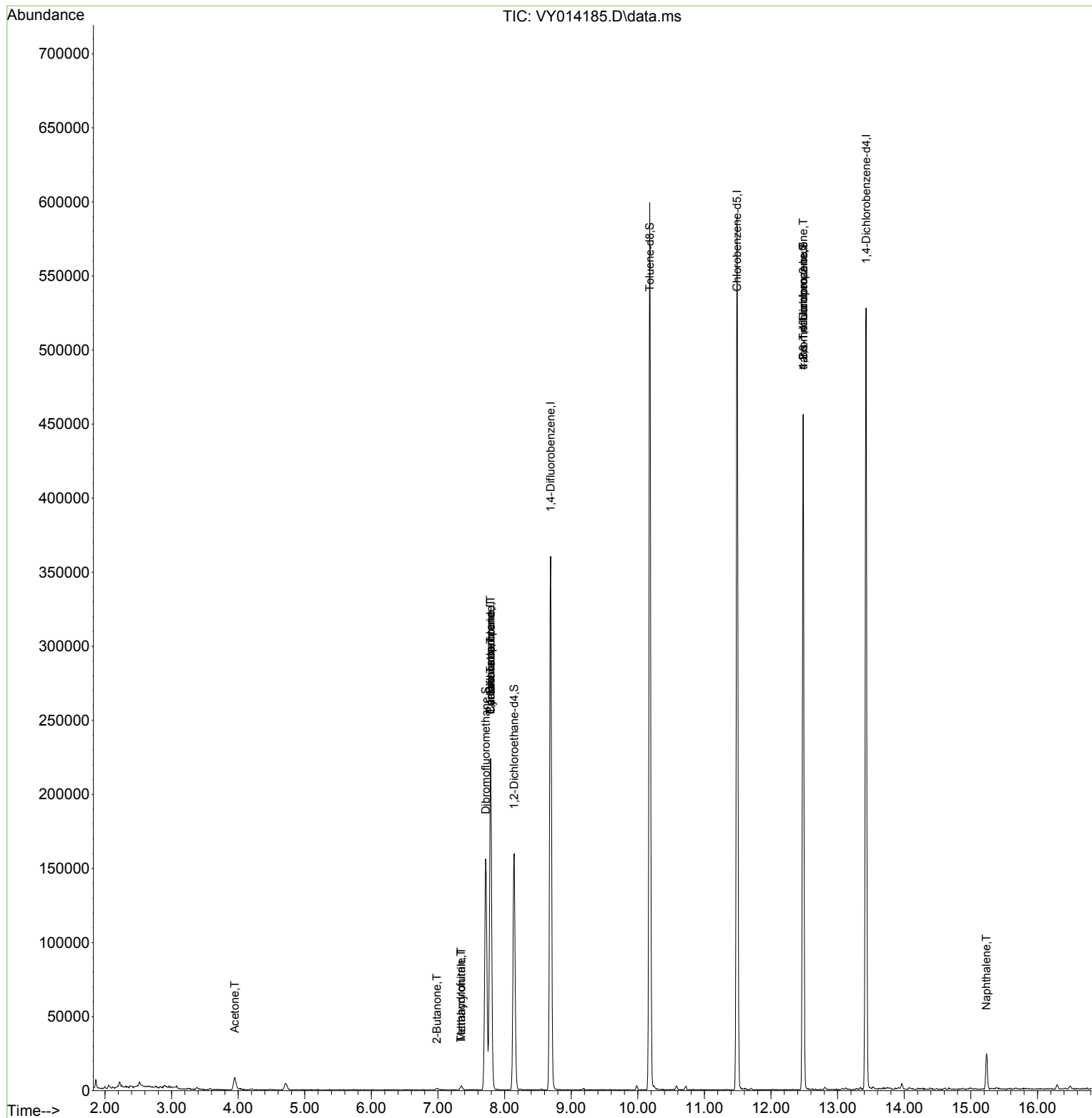
Internal Standards						
1) Pentafluorobenzene	7.789	168	169777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132260	55.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.716	113	104614	49.065	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.120%
50) Toluene-d8	10.179	98	377760	47.390	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.780%
62) 4-Bromofluorobenzene	12.483	95	126760	44.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	210	Below Cal	#	89
13) Acrolein	3.466	56	21	Below Cal	#	14
16) Acetone	3.948	43	15019	21.075	ug/l	96
20) Methylene Chloride	4.710	84	3192	Below Cal	#	84
25) 2-Butanone	6.984	43	1498	1.708	ug/l	# 77
29) Tetrahydrofuran	7.344	42	1888	3.394	ug/l	98
31) Cyclohexane	7.789	56	4070	1.285	ug/l	# 29
36) 1,1-Dichloropropene	7.789	75	13130	3.950	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	16749	4.366	ug/l	# 16
41) Methacrylonitrile	7.350	41	1221	1.043	ug/l	# 45
76) 1,2,3-Trichloropropane	12.483	75	71468	39.946	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	71468	86.347	ug/l	# 11
95) Naphthalene	15.233	128	20935	3.472	ug/l	99

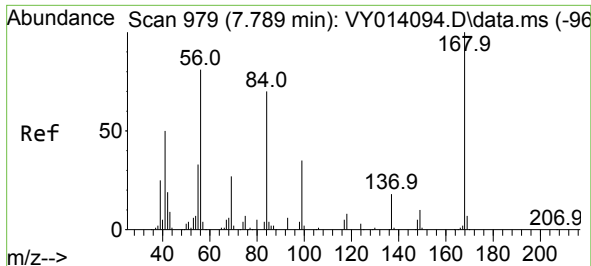
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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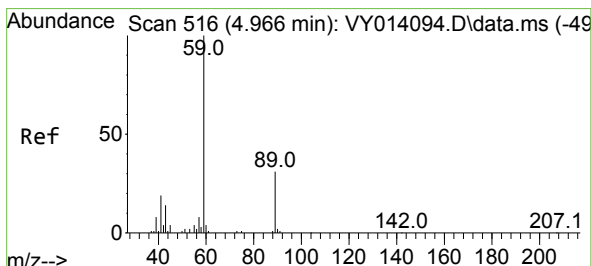
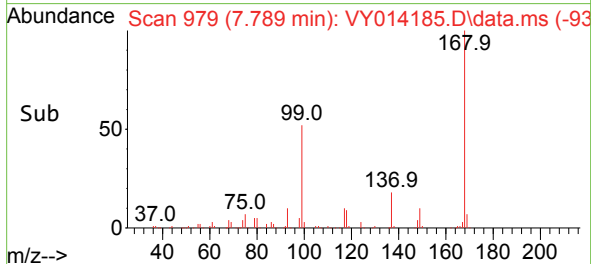
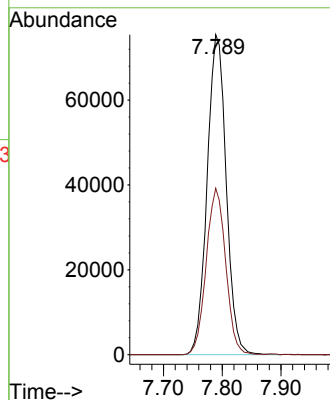
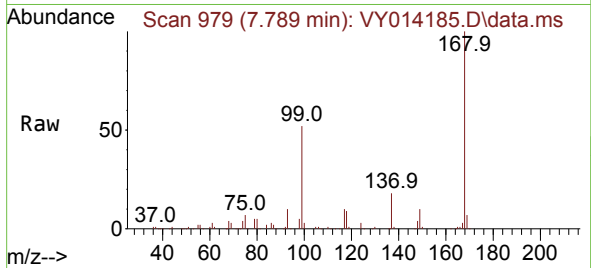




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

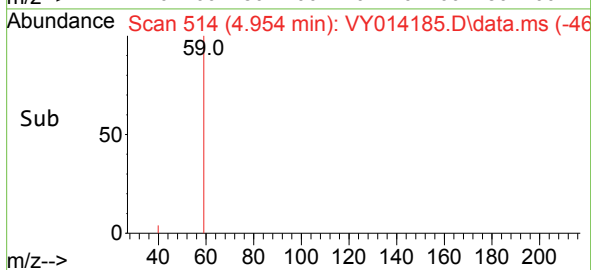
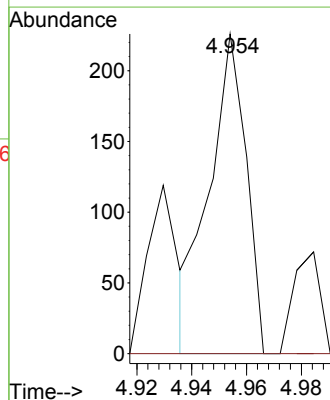
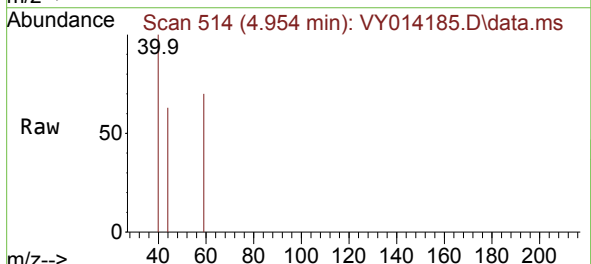
Instrument :
MSVOA_Y
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TOTAL-VOC-GRAB-5-SB-33

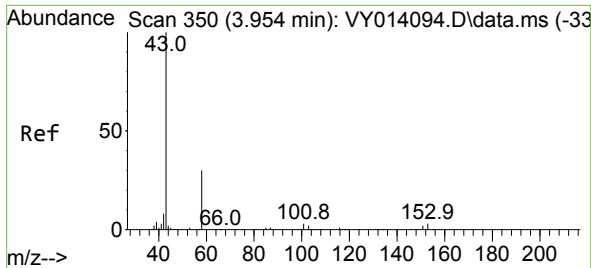
Tgt Ion:168 Resp: 169777
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 21.075 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

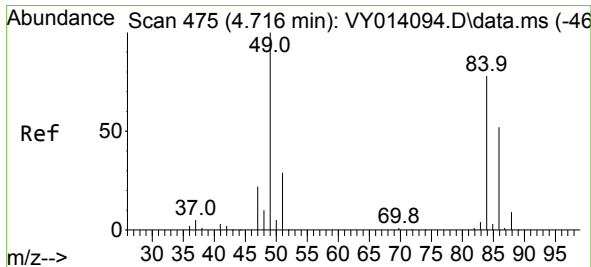
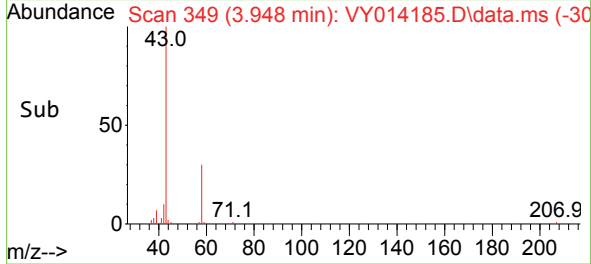
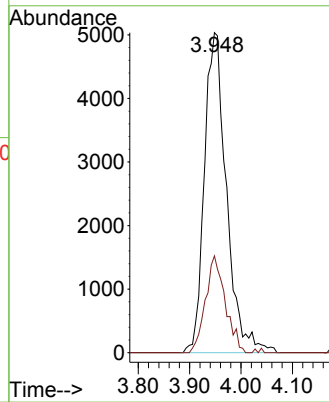
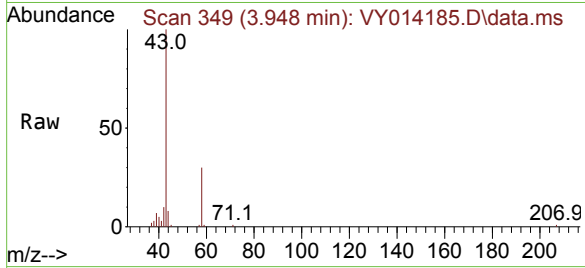
TOTAL-VOC-GRAB-5-SB-33

Tgt Ion: 43 Resp: 15019

Ion Ratio Lower Upper

43 100

58 30.3 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

Tgt Ion: 84 Resp: 3192

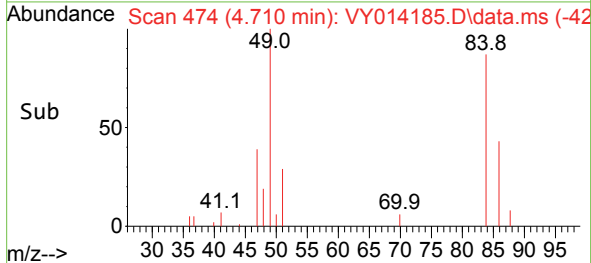
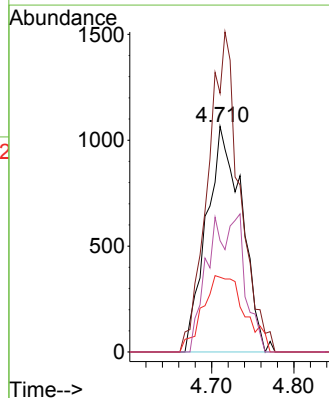
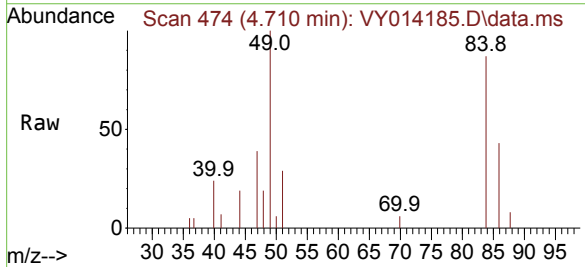
Ion Ratio Lower Upper

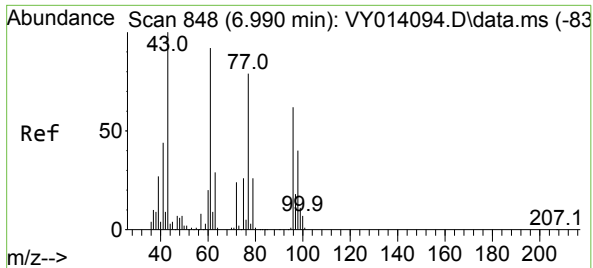
84 100

49 114.7 106.9 160.3

51 33.1 33.2 49.8#

86 49.4 51.0 76.6#

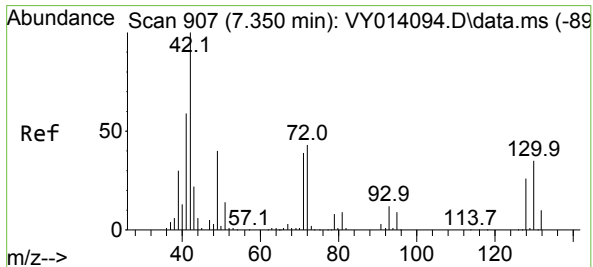
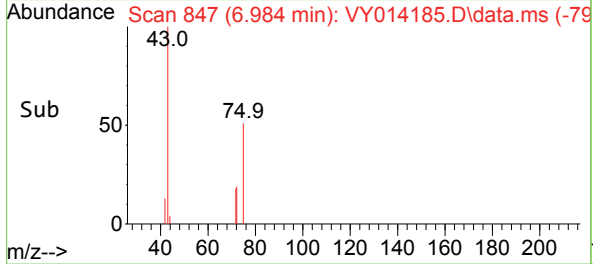
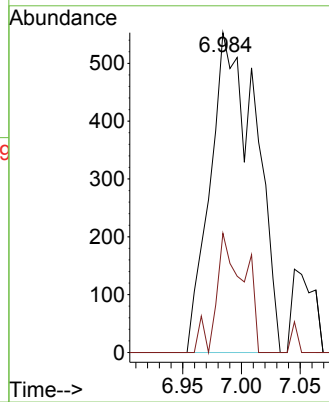
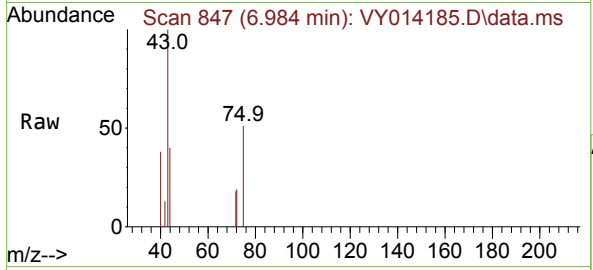




#25
2-Butanone
Concen: 1.708 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

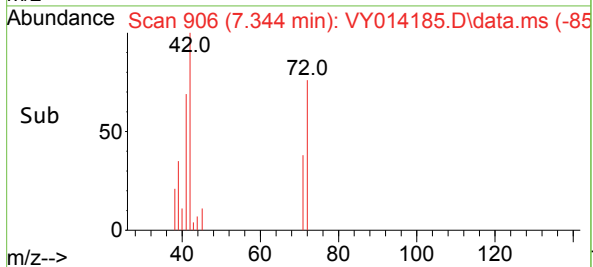
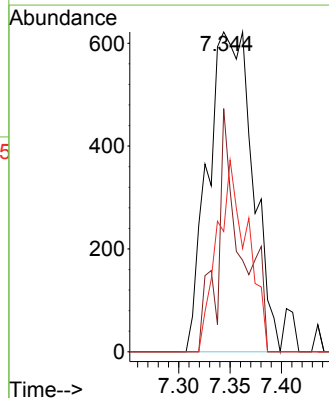
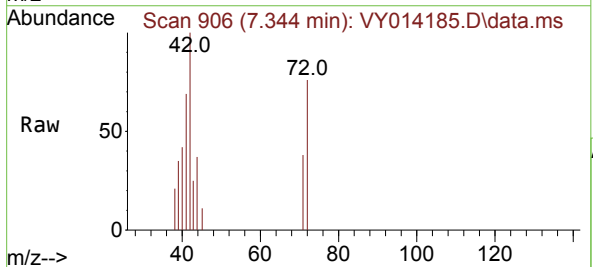
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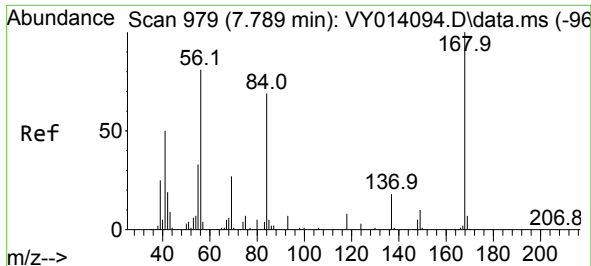
Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
72 37.3 20.5 30.7#



#29
Tetrahydrofuran
Concen: 3.394 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 42 Resp: 1888
Ion Ratio Lower Upper
42 100
72 39.8 32.8 49.2
71 40.3 31.0 46.4

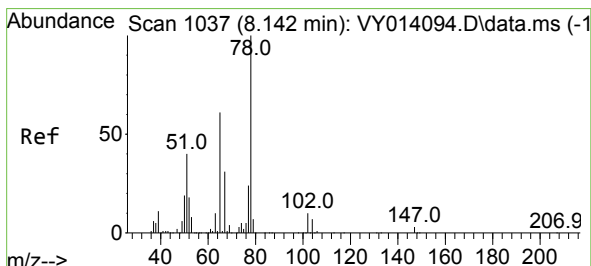
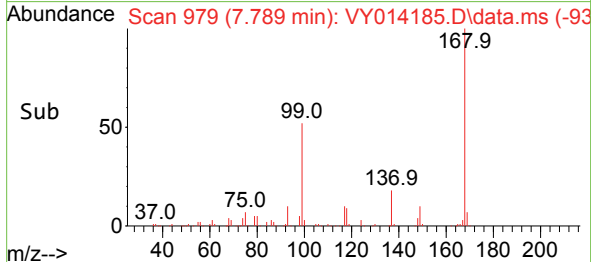
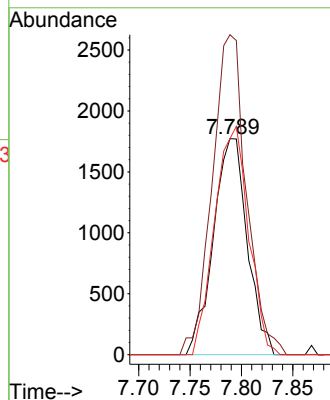
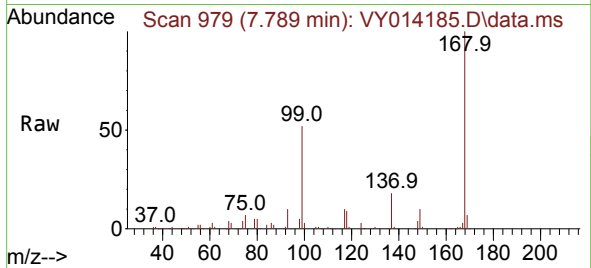




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

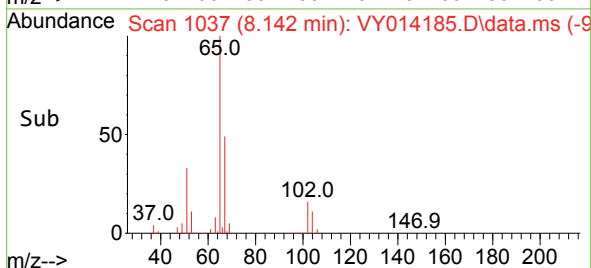
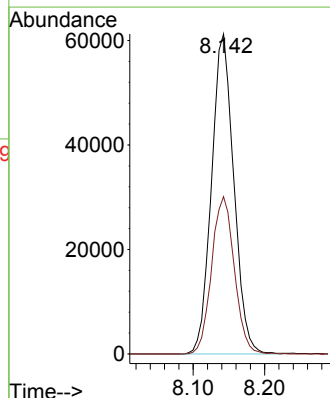
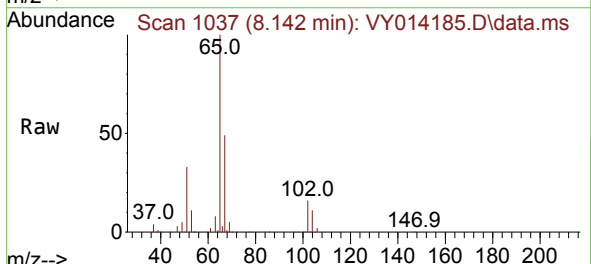
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

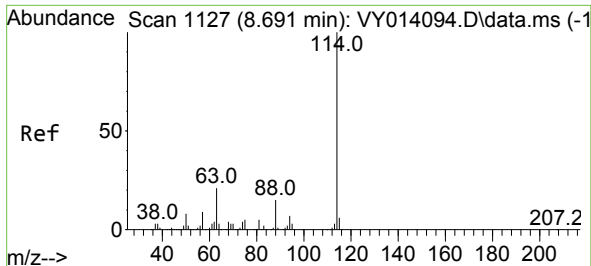
Tgt Ion: 56 Resp: 4070
Ion Ratio Lower Upper
56 100
69 148.1 27.8 41.6#
84 100.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.943 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 65 Resp: 132260
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8

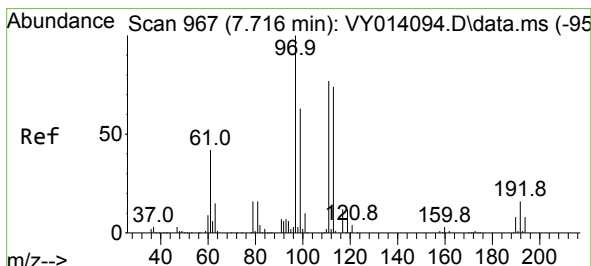
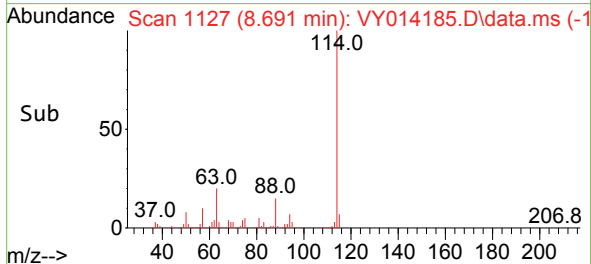
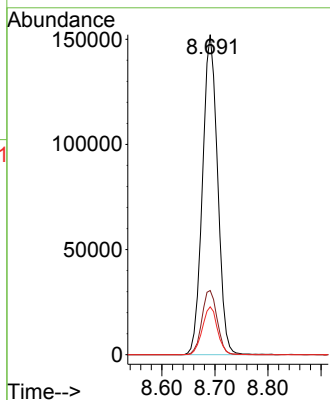
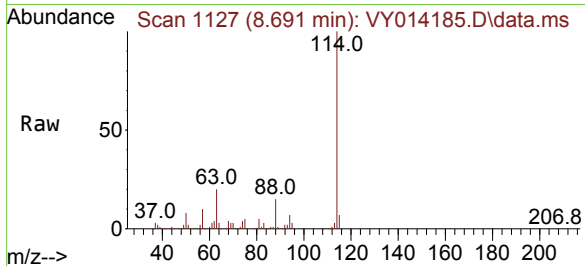




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

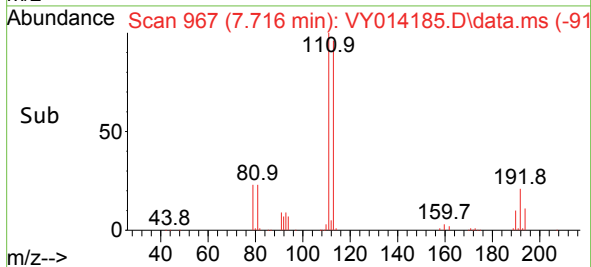
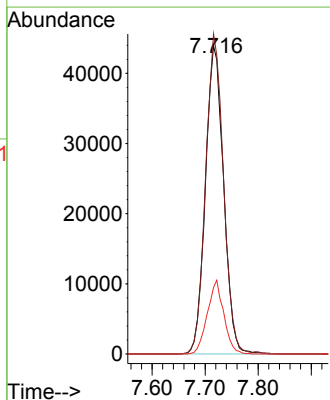
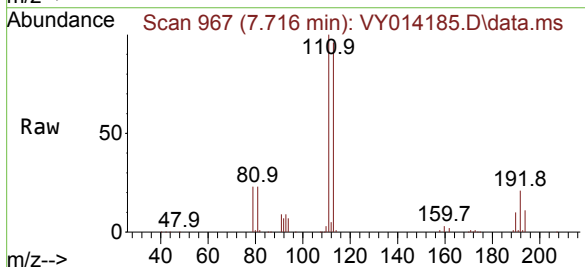
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-GRAB-5-SB-33

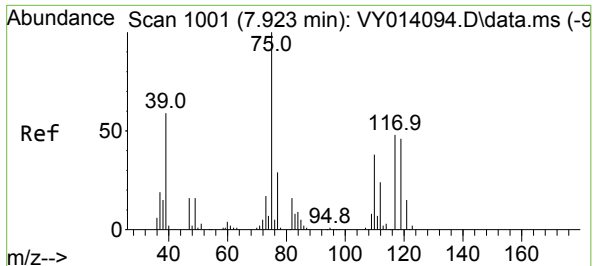
Tgt Ion:114 Resp: 300652
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.065 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion:113 Resp: 104614
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 21.7 16.9 25.3

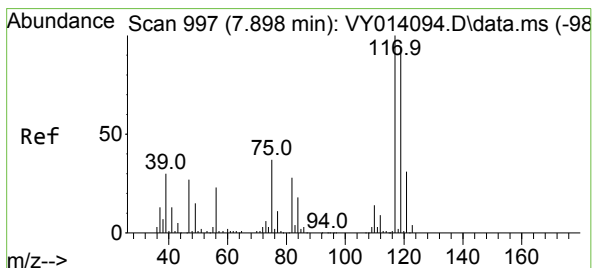
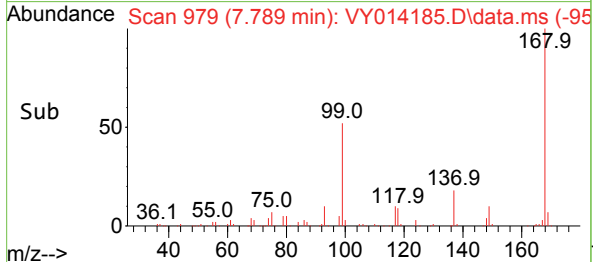
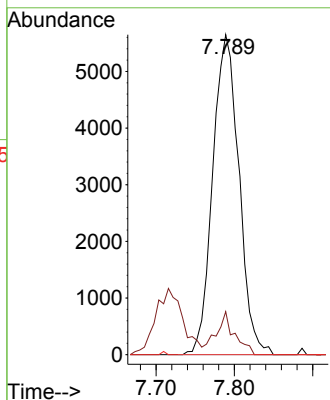
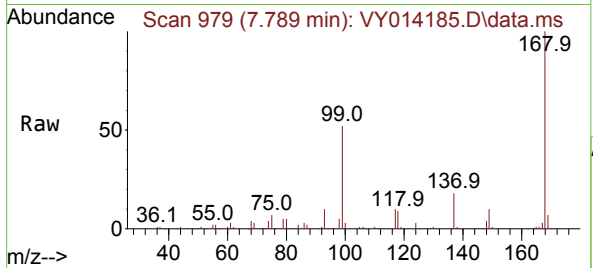




#36
1,1-Dichloropropene
Concen: 3.950 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

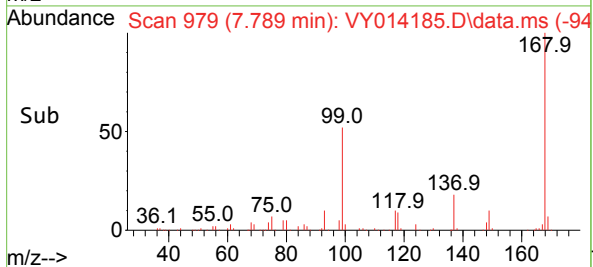
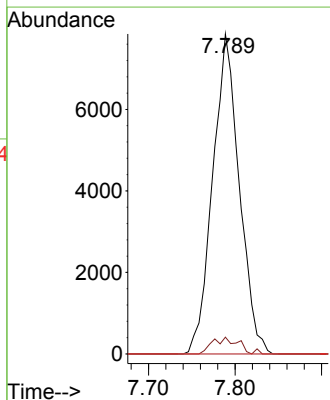
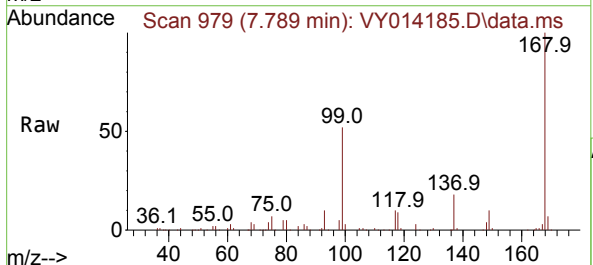
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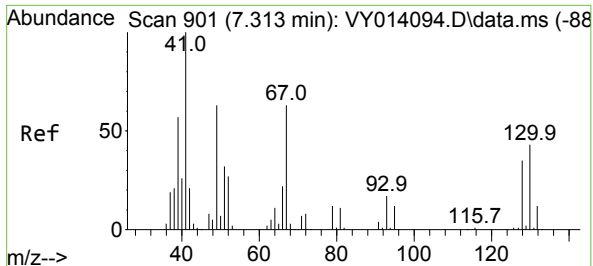
Tgt Ion: 75 Resp: 13130
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.366 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion:117 Resp: 16749
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#

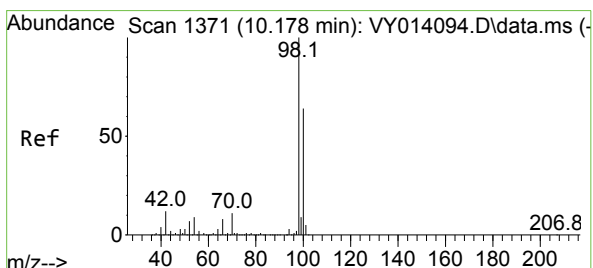
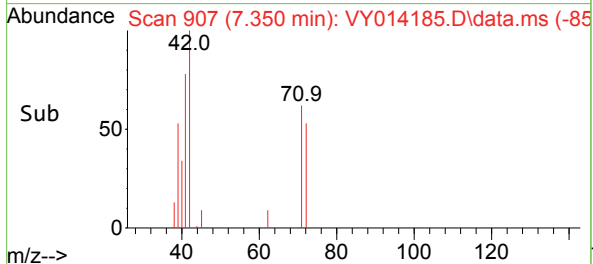
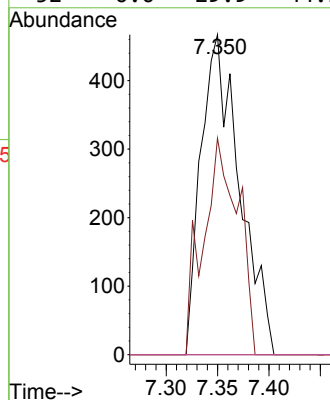
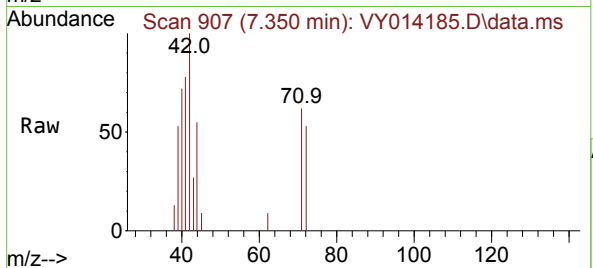




#41
Methacrylonitrile
Concen: 1.043 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

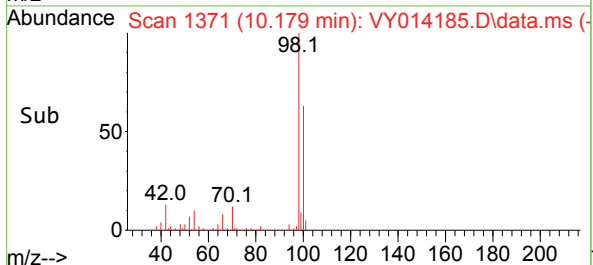
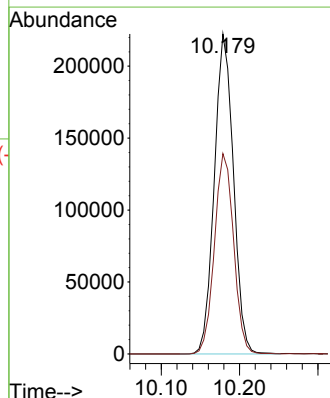
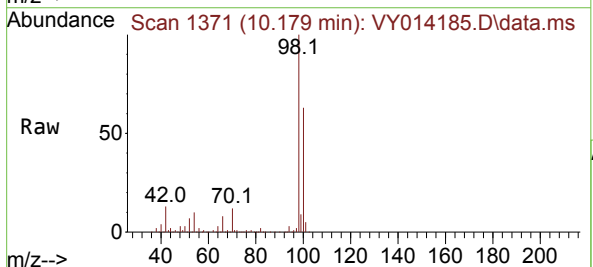
Instrument :
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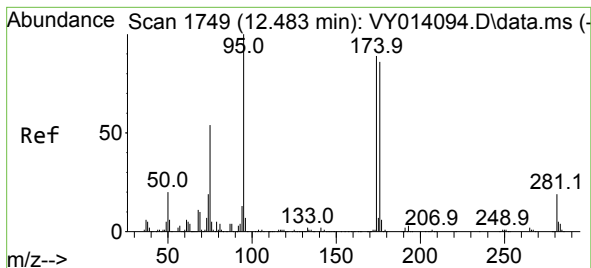
Tgt Ion: 41	Resp: 1221
Ion Ratio	Lower Upper
41	100
39	61.9 52.1 78.1
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 47.390 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion: 98	Resp: 377760
Ion Ratio	Lower Upper
98	100
100	62.8 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 44.766 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014185.D

Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33

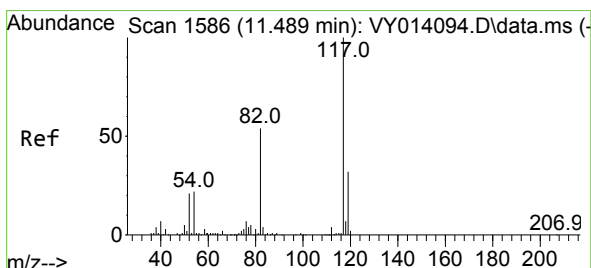
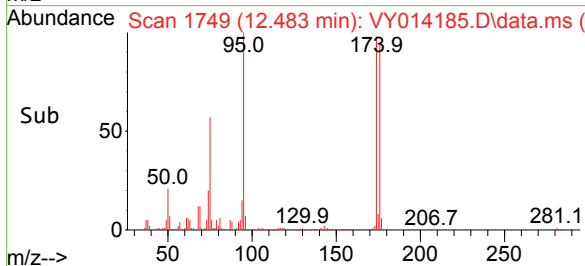
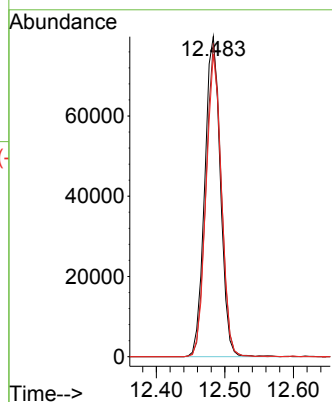
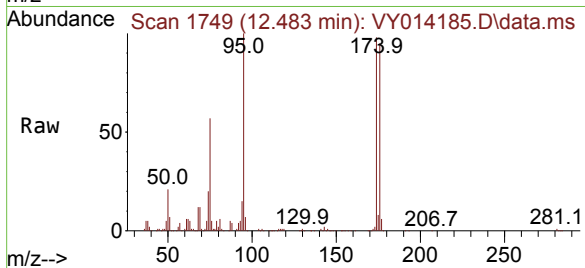
Tgt Ion: 95 Resp: 126760

Ion Ratio Lower Upper

95 100

174 95.6 0.0 178.2

176 92.8 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: VY014185.D

Acq: 15 Jun 2023 13:32

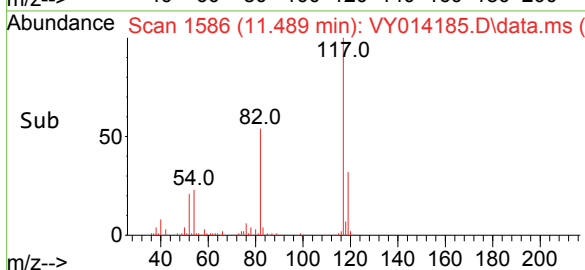
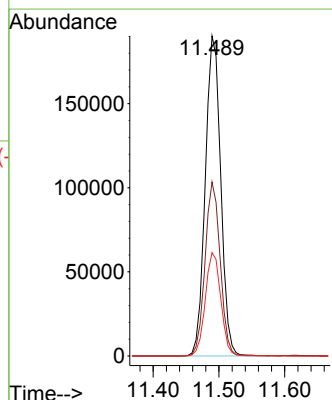
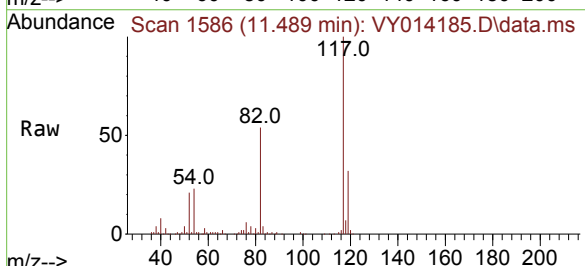
Tgt Ion: 117 Resp: 311159

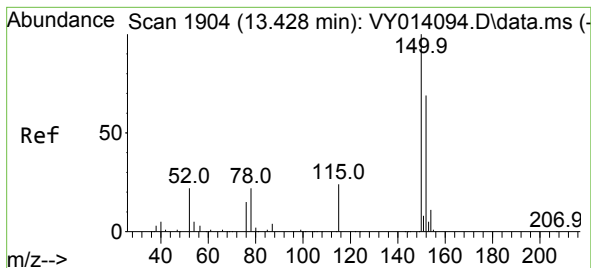
Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.3 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: VY014185.D

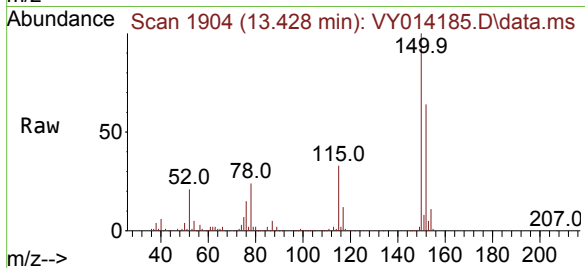
Acq: 15 Jun 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33



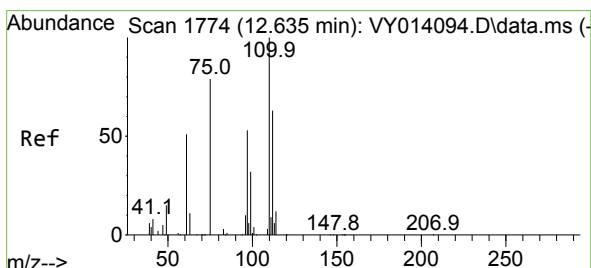
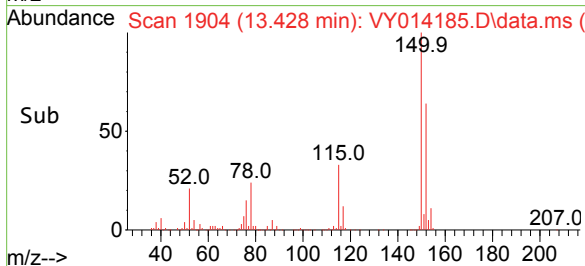
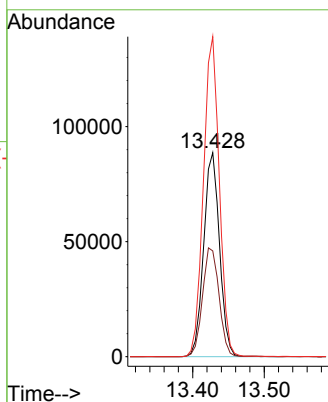
Tgt Ion:152 Resp: 136369

Ion Ratio Lower Upper

152 100

115 55.6 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.946 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014185.D

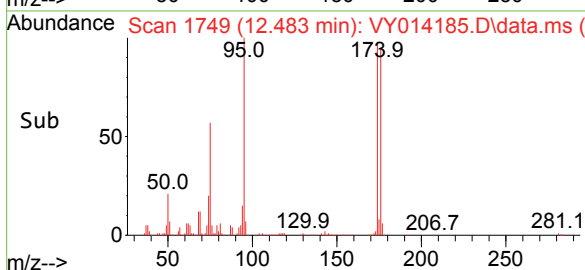
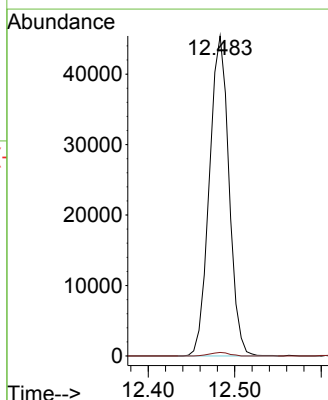
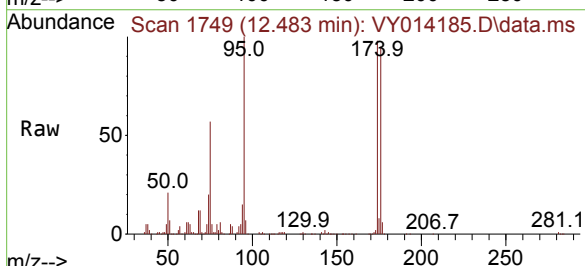
Acq: 15 Jun 2023 13:32

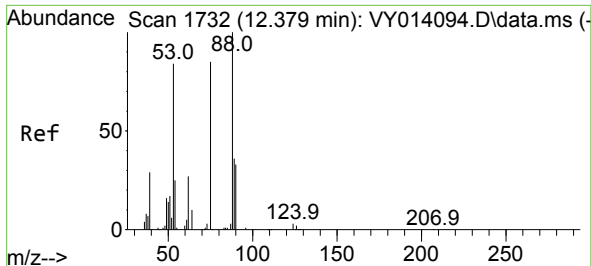
Tgt Ion: 75 Resp: 71468

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

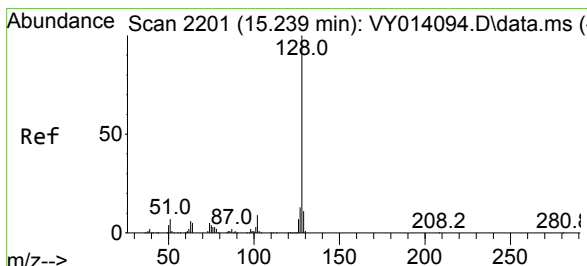
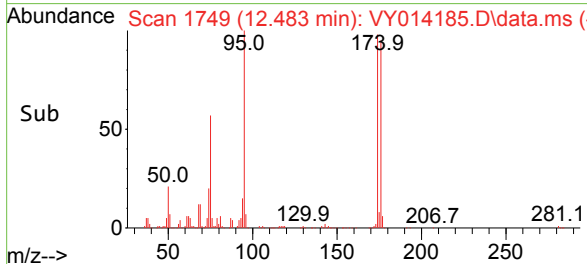
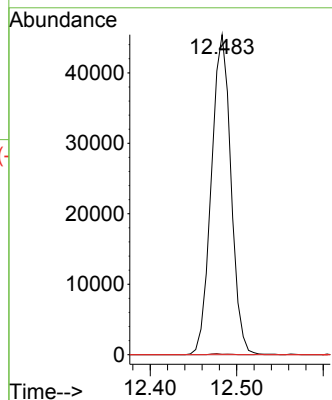
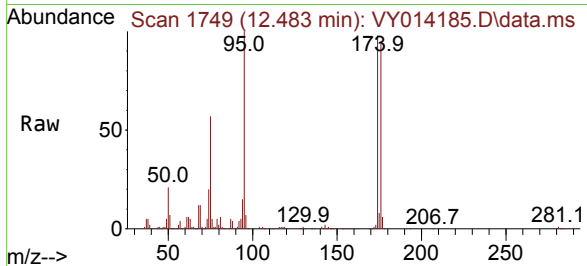




#81
trans-1,4-Dichloro-2-butene
Concen: 86.347 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

Tgt Ion: 75 Resp: 71468
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 3.472 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY014185.D
Acq: 15 Jun 2023 13:32

Tgt Ion:128 Resp: 20935
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.5 8.6 13.0

