

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014104.D
 Acq On : 09 Jun 2023 18:58
 Operator : KP/MD
 Sample : 03103-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-8-060823

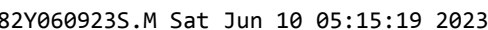
Quant Time: Jun 10 05:15:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

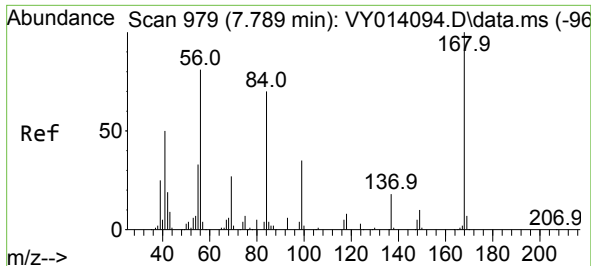
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	42111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	60538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	25174	42.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.860%		
35) Dibromofluoromethane	7.716	113	21691	48.254	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.500%		
50) Toluene-d8	10.179	98	77964	46.391	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.483	95	22728	38.071	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.140%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	271	Below Cal	#	89
16) Acetone	3.954	43	3236	18.307	ug/l	98
17) Carbon Disulfide	4.204	76	1722	1.105	ug/l #	85
20) Methylene Chloride	4.729	84	2001	Below Cal	#	79
25) 2-Butanone	6.966	43	955	4.389	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	1705	1.887	ug/l #	54
31) Cyclohexane	7.789	56	1029	1.310	ug/l #	40
36) 1,1-Dichloropropene	7.795	75	3310	4.723	ug/l #	46
37) Ethyl Acetate	6.966	43	955	1.975	ug/l #	1
38) Carbon Tetrachloride	7.789	117	4416	5.460	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	800	1.737	ug/l #	65
76) 1,2,3-Trichloropropane	12.483	75	12481	34.802	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12481	75.228	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	3849	2.178	ug/l	99
89) n-Butylbenzene	13.696	91	2403	1.372	ug/l	83
90) Hexachloroethane	13.977	117	468	1.244	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.007	180	827	1.389	ug/l #	56
95) Naphthalene	15.239	128	3676	3.042	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.428	180	883	1.641	ug/l #	83

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
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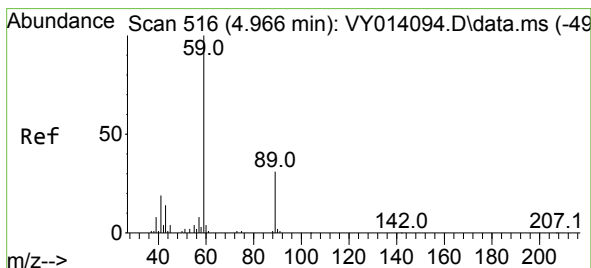
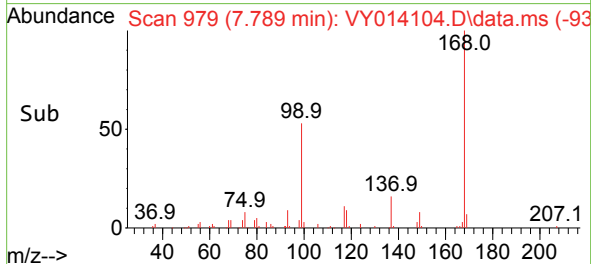
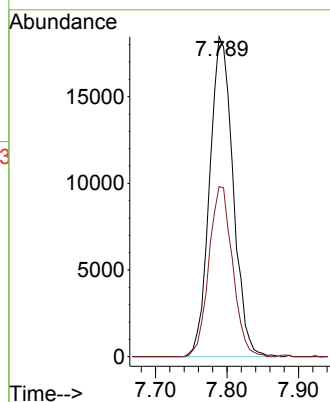
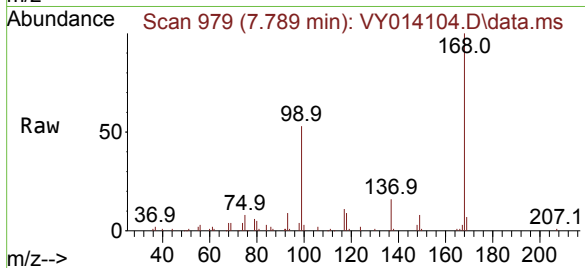




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

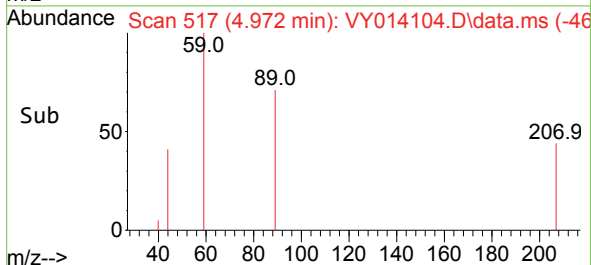
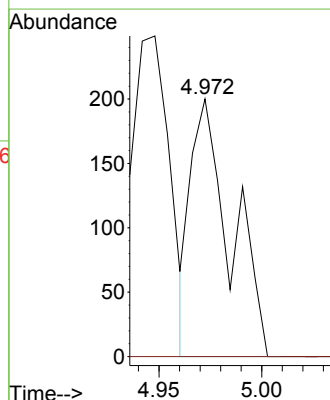
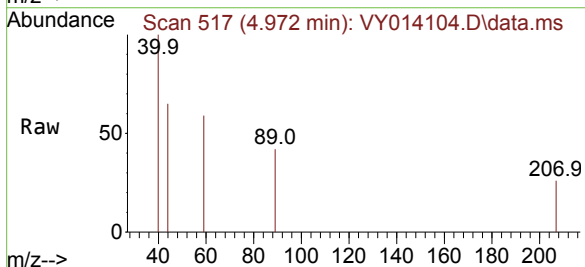
Instrument :
MSVOA_Y
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NB-8-060823

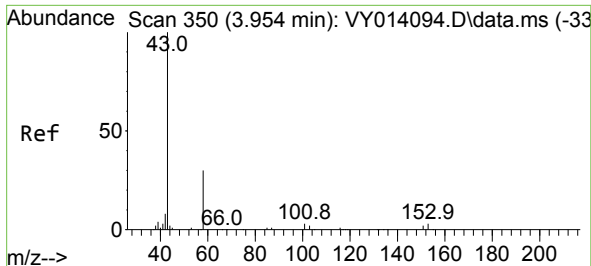
Tgt Ion:168 Resp: 42111
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 18.307 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

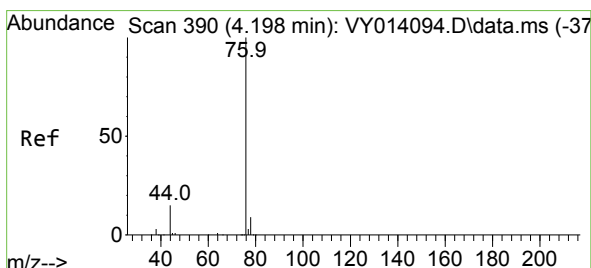
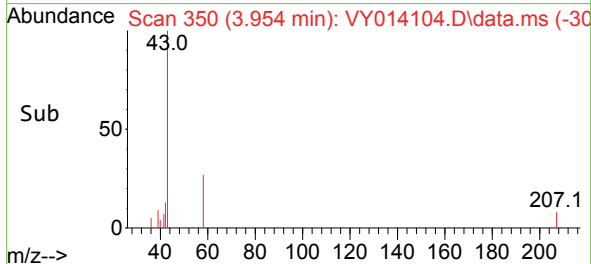
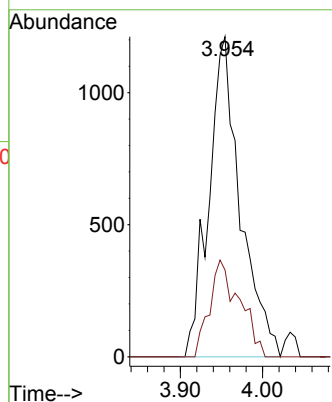
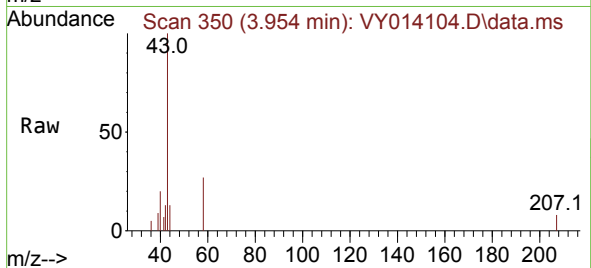
NB-8-060823

Tgt Ion: 43 Resp: 3236

Ion Ratio Lower Upper

43 100

58 27.1 22.7 34.1



#17

Carbon Disulfide

Concen: 1.105 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY014104.D

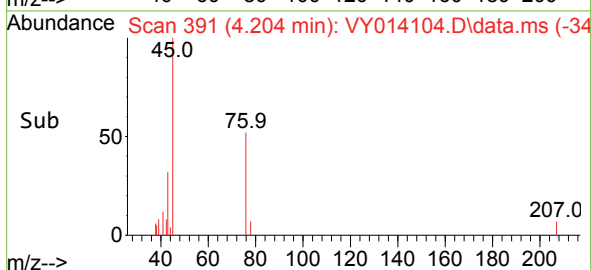
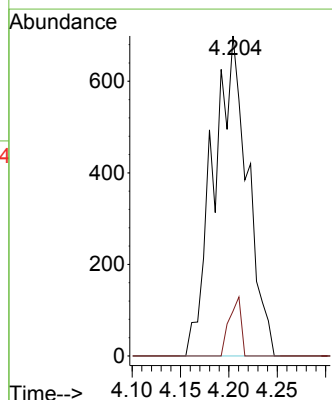
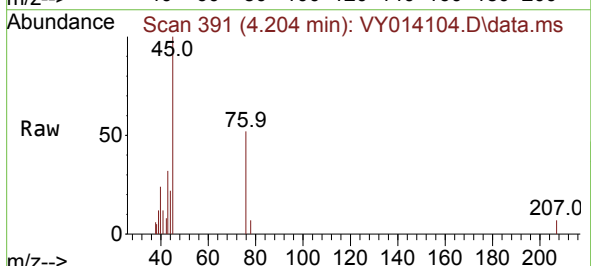
Acq: 09 Jun 2023 18:58

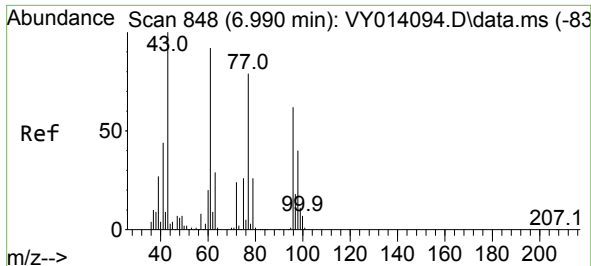
Tgt Ion: 76 Resp: 1722

Ion Ratio Lower Upper

76 100

78 14.0 7.0 10.4#

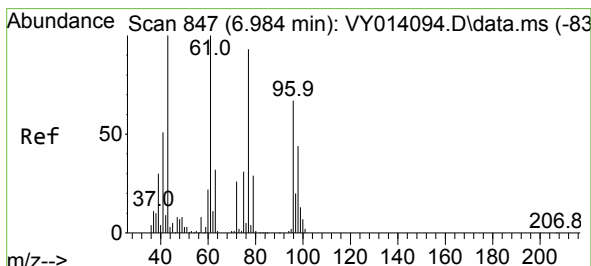
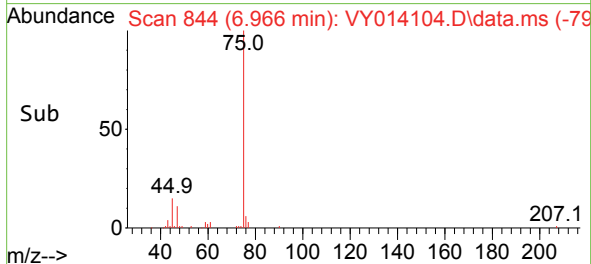
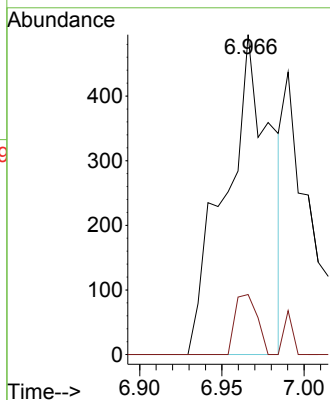
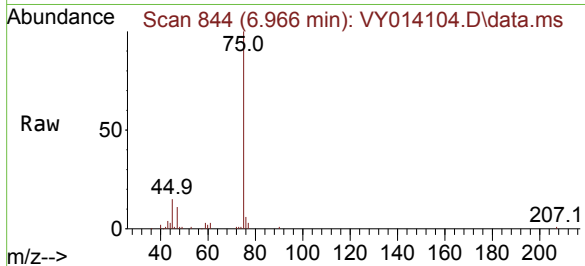




#25
2-Butanone
Concen: 4.389 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

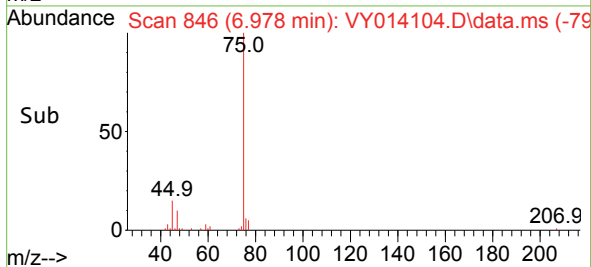
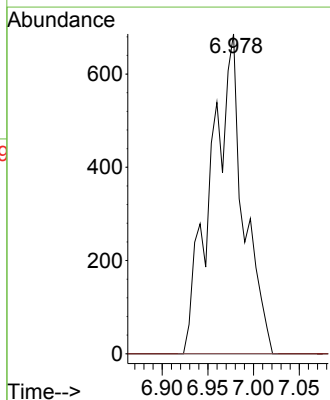
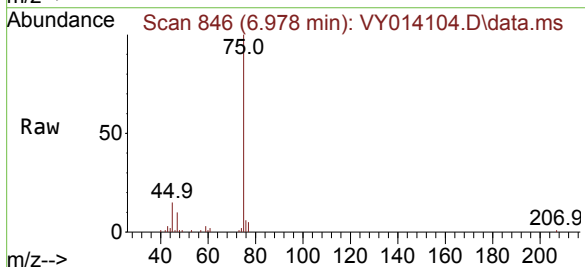
Instrument :
MSVOA_Y
ClientSampleId :
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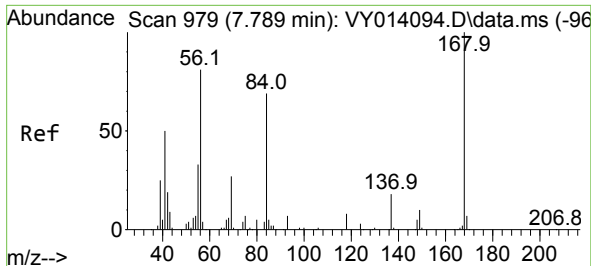
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 18.8 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.887 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 77 Resp: 1705
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

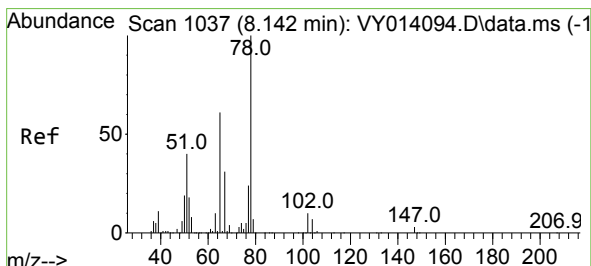
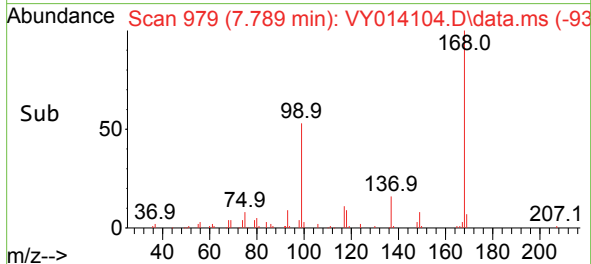
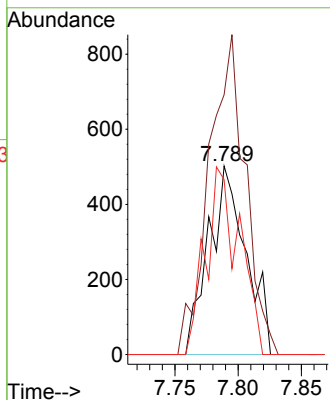
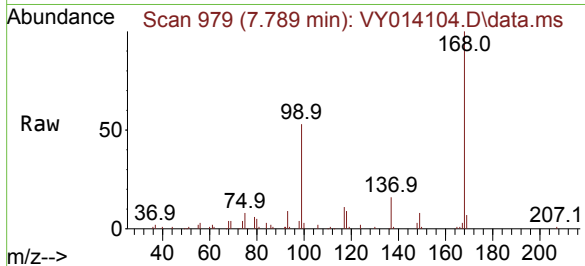




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

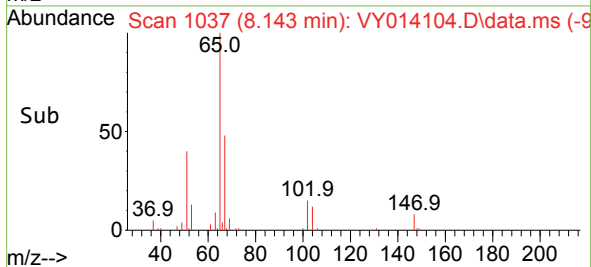
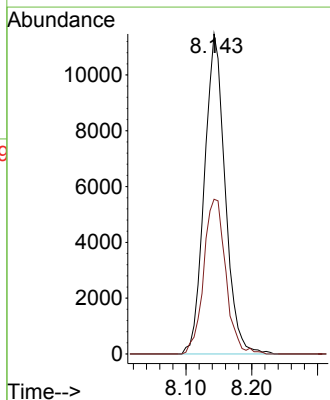
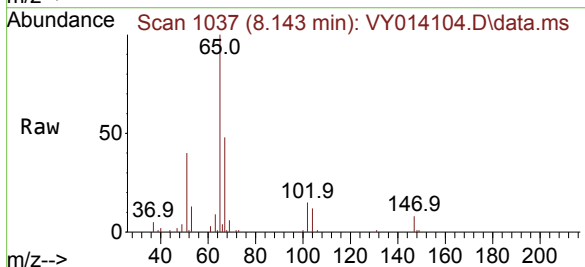
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-060823

Tgt Ion: 56 Resp: 1029
Ion Ratio Lower Upper
56 100
69 137.8 27.8 41.6#
84 92.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 42.930 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 65 Resp: 25174
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8

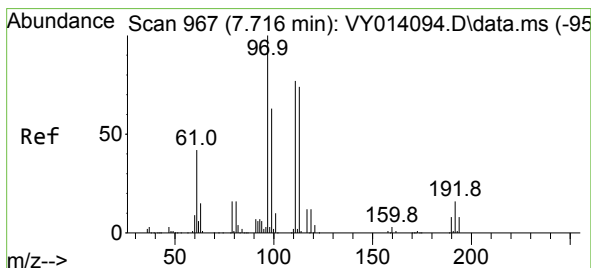
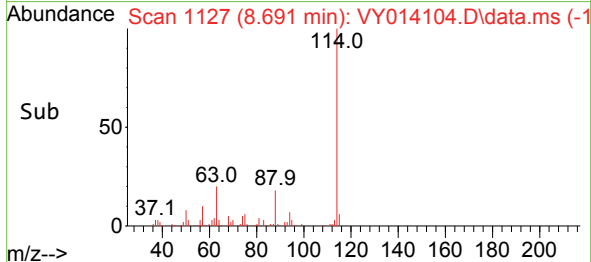
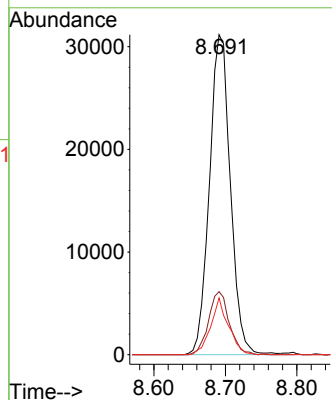
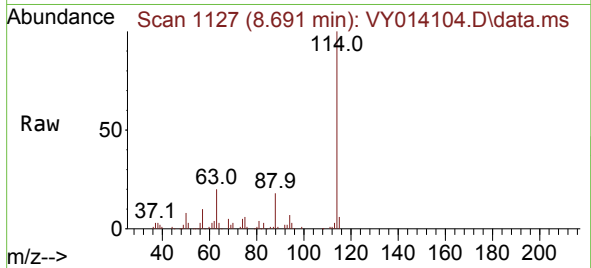




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

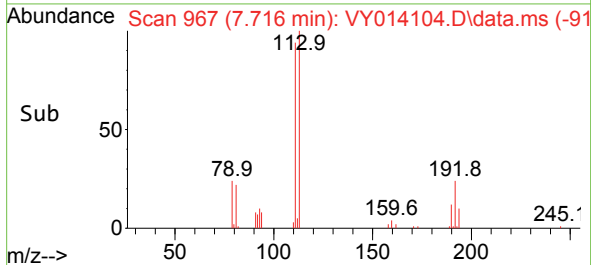
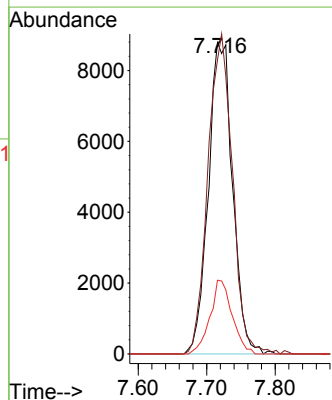
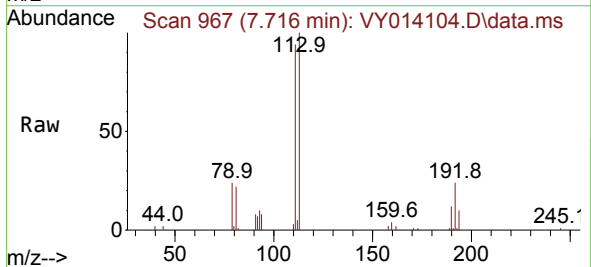
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ClientSampleId :
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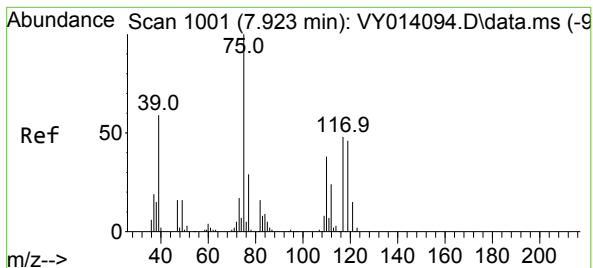
Tgt Ion:	114	Resp:	63386
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	42.4
88	17.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.254 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion:	113	Resp:	21691
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.3	121.9
192	21.6	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-8-060823

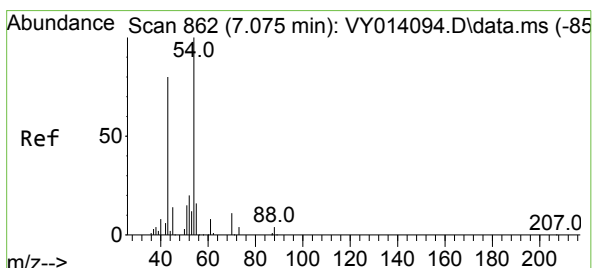
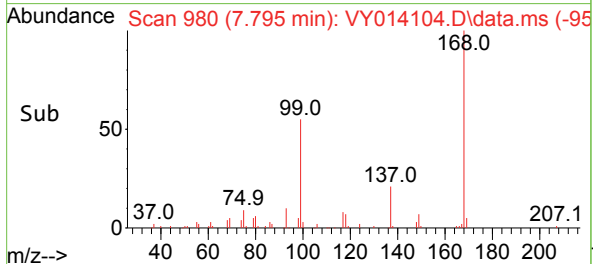
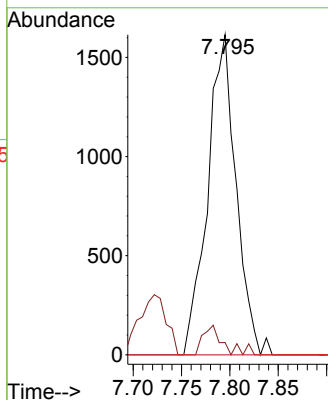
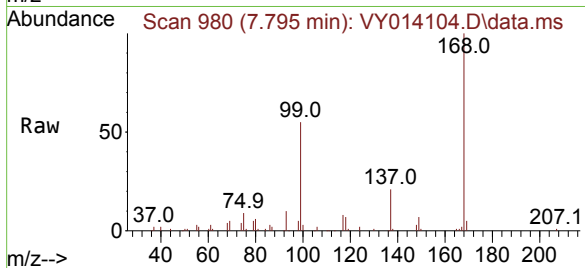
Tgt Ion: 75 Resp: 3310

Ion Ratio Lower Upper

75 100

110 5.4 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.975 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.109 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

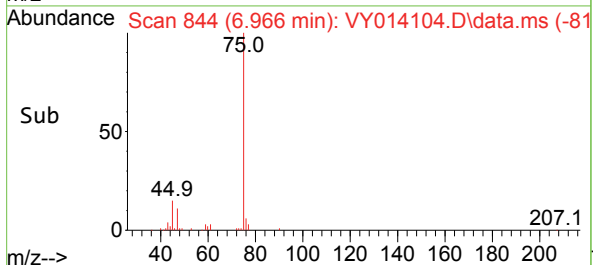
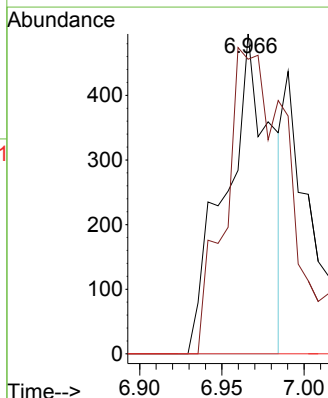
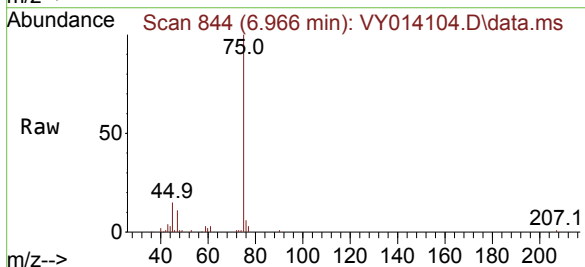
Tgt Ion: 43 Resp: 955

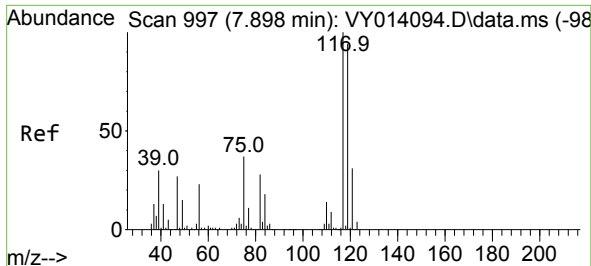
Ion Ratio Lower Upper

43 100

61 132.3 10.1 15.1#

70 0.0 7.1 10.7#

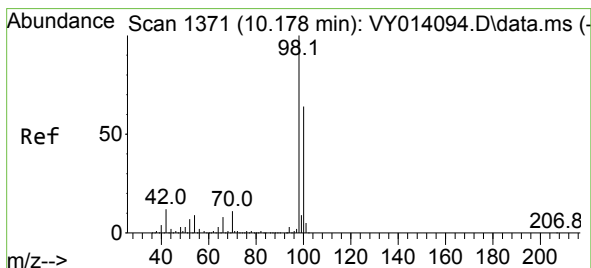
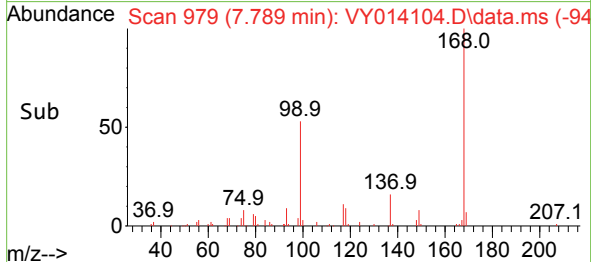
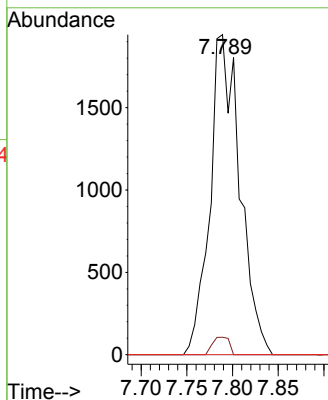
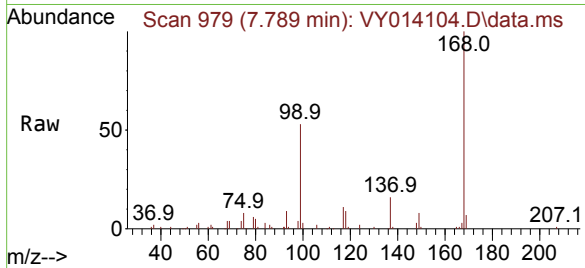




#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

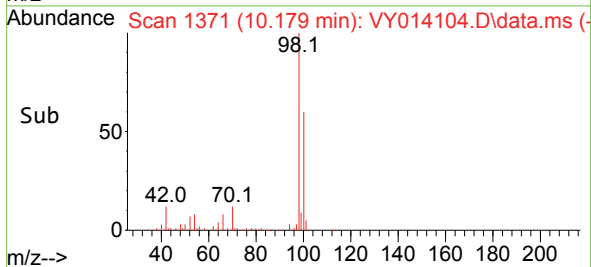
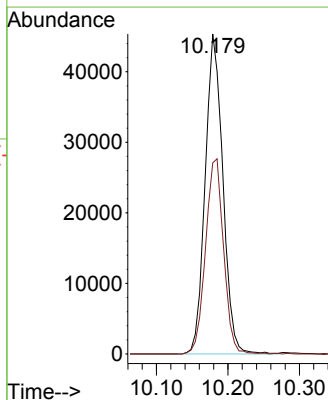
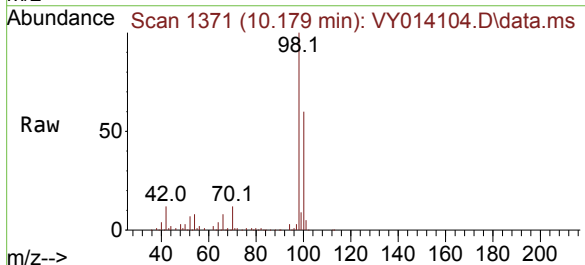
Instrument :
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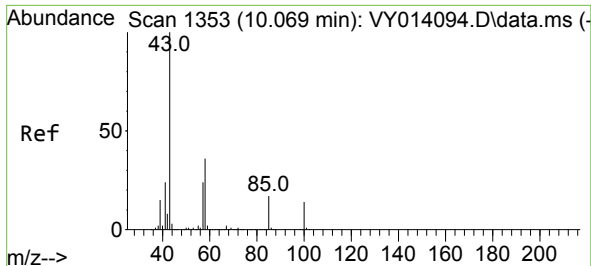
Tgt Ion:117 Resp: 4416
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.391 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 98 Resp: 77964
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1

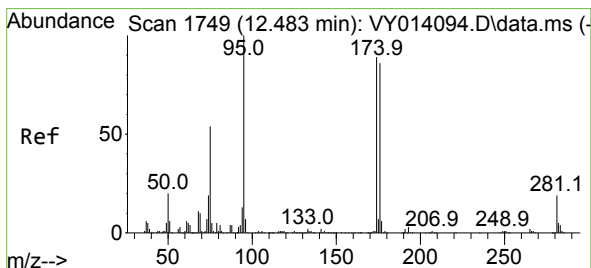
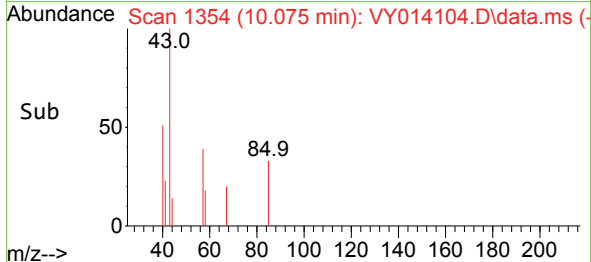
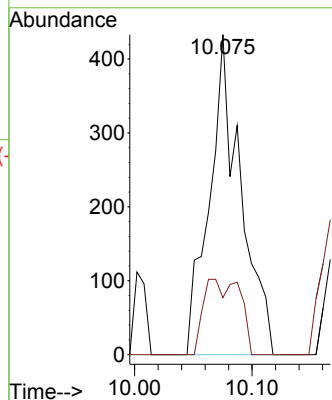
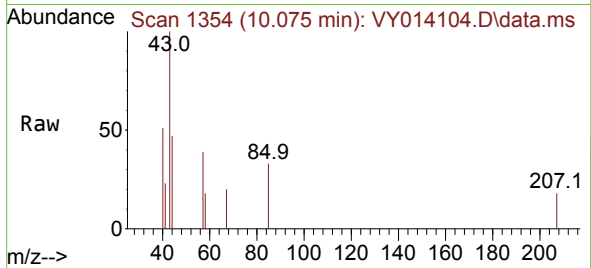




#51
4-Methyl-2-Pentanone
Concen: 1.737 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

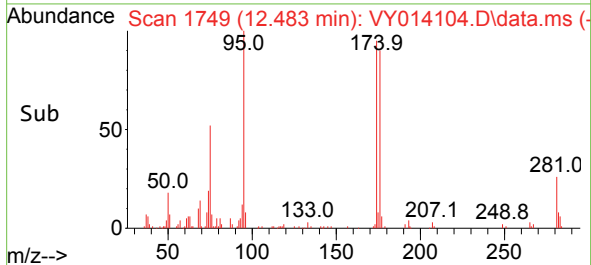
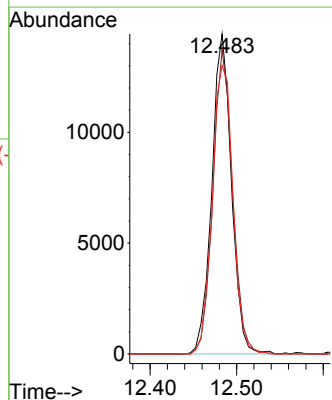
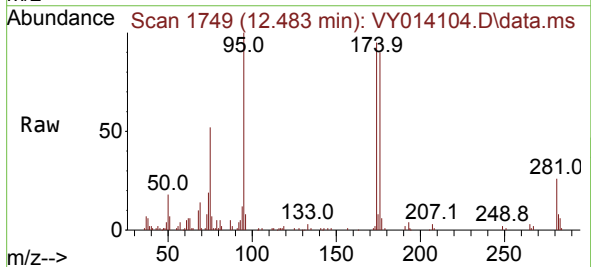
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-060823

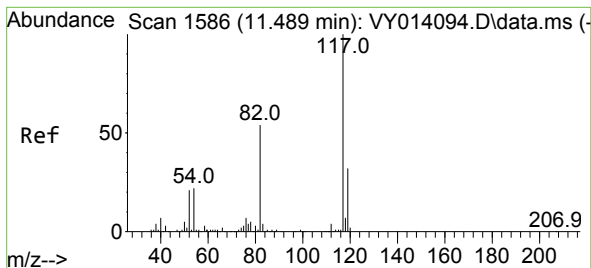
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 15.4 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 38.071 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 95 Resp: 22728
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 95.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-8-060823

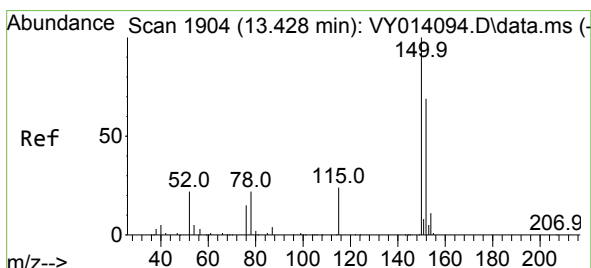
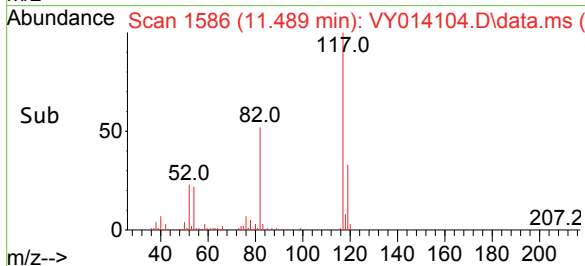
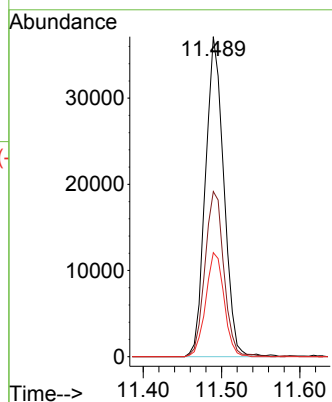
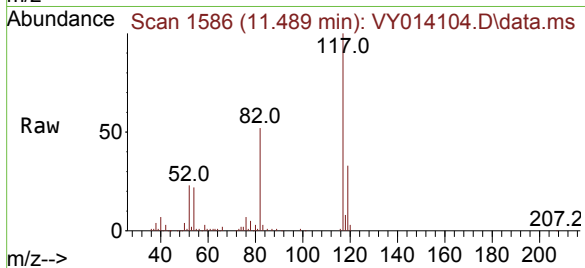
Tgt Ion:117 Resp: 60538

Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.0

119 32.5 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: VY014104.D

Acq: 09 Jun 2023 18:58

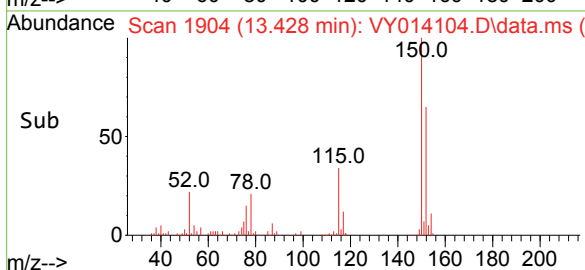
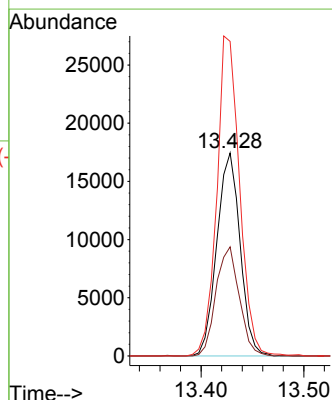
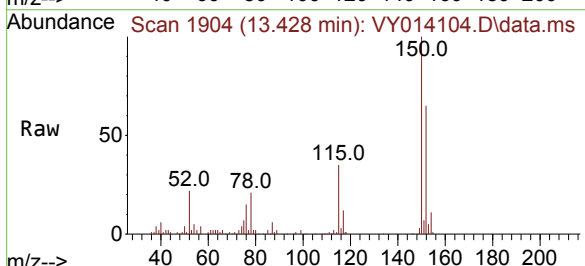
Tgt Ion:152 Resp: 27335

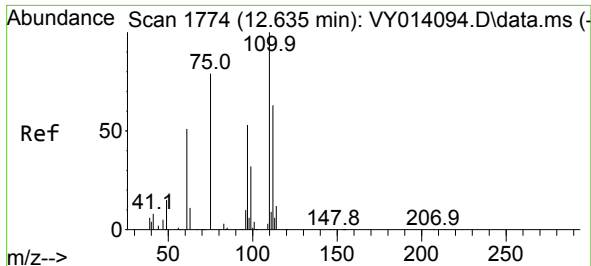
Ion Ratio Lower Upper

152 100

115 53.9 28.8 86.5

150 154.7 0.0 348.8

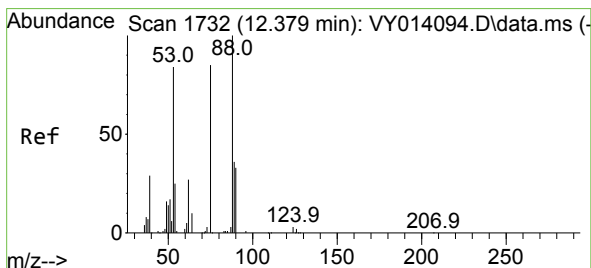
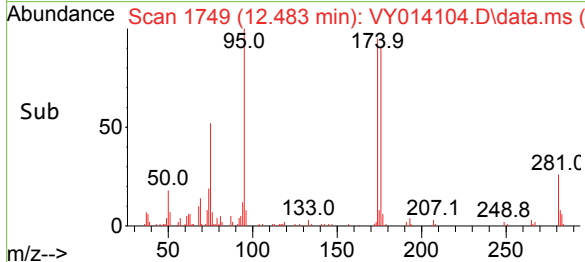
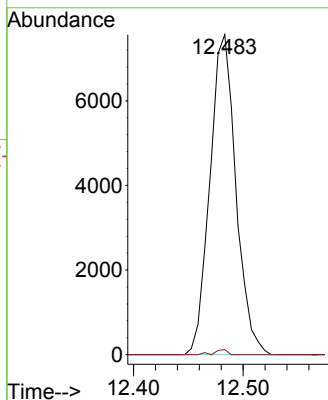
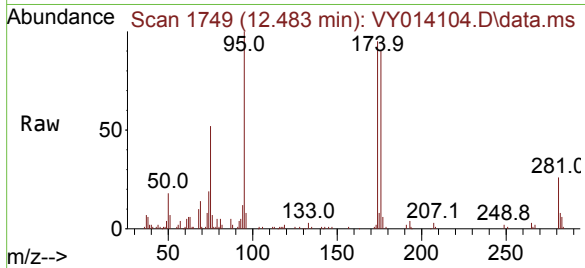




#76
1,2,3-Trichloropropane
Concen: 34.802 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

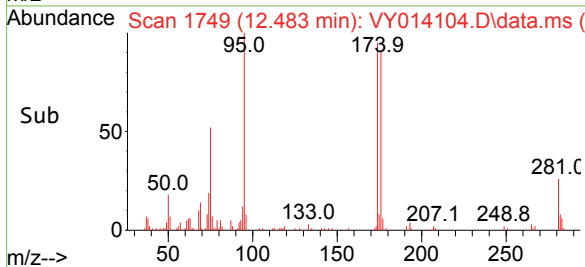
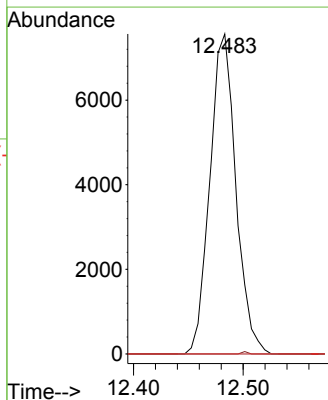
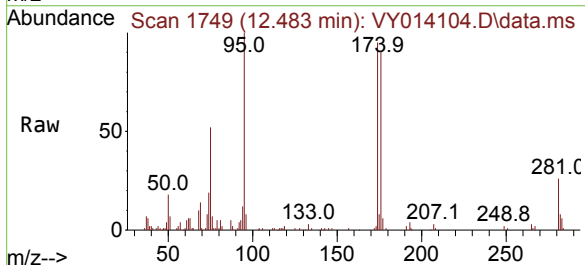
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-060823

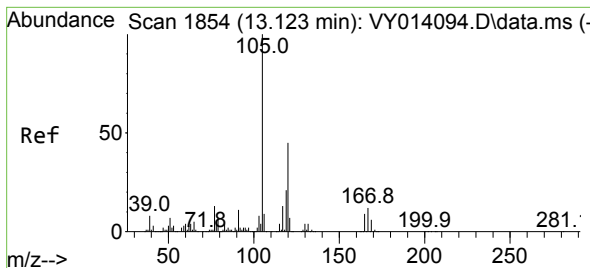
Tgt Ion: 75 Resp: 12481
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.228 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014104.D
Acq: 09 Jun 2023 18:58

Tgt Ion: 75 Resp: 12481
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.178 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

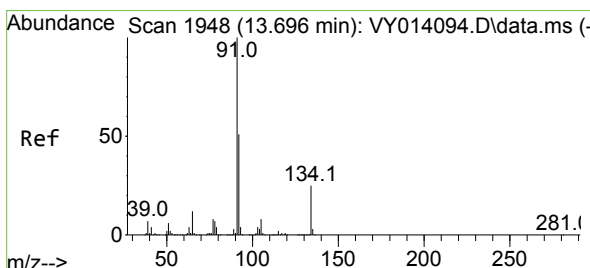
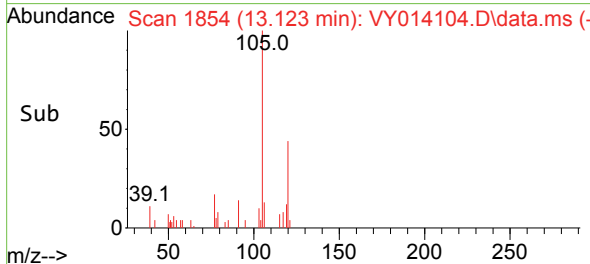
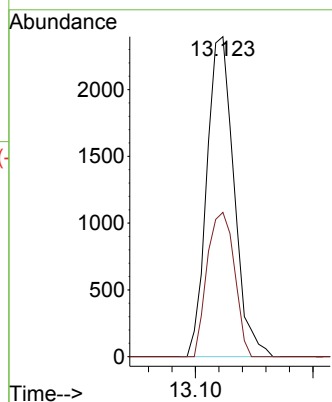
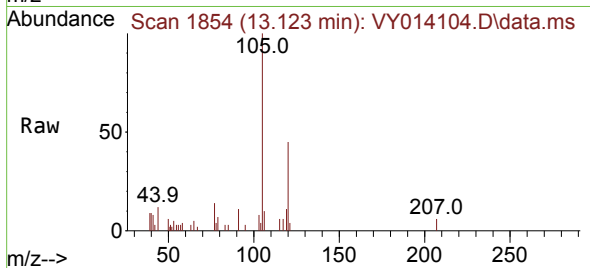
NB-8-060823

Tgt Ion:105 Resp: 3849

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6



#89

n-Butylbenzene

Concen: 1.372 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

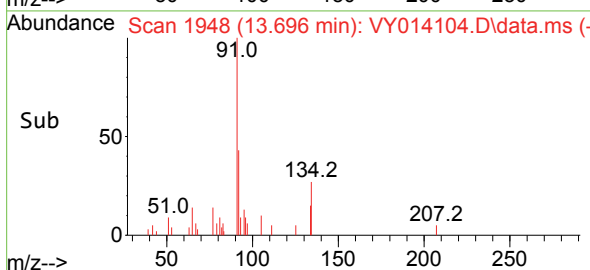
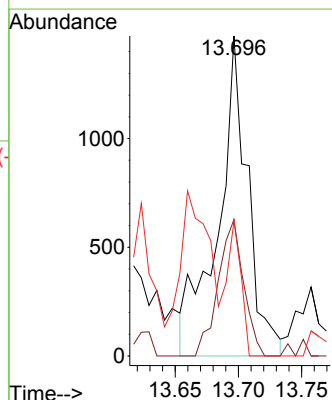
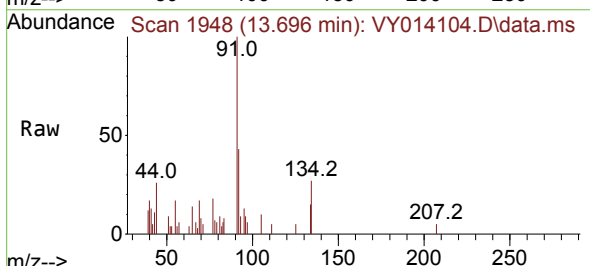
Tgt Ion: 91 Resp: 2403

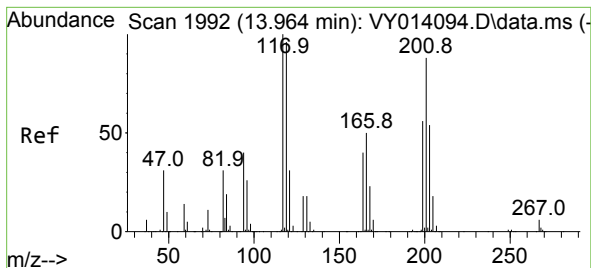
Ion Ratio Lower Upper

91 100

92 36.5 25.4 76.0

134 20.0 12.6 37.6





#90

Hexachloroethane

Concen: 1.244 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.013 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

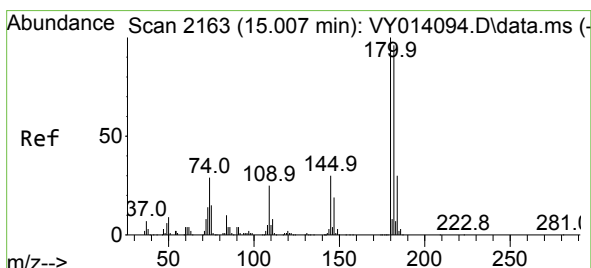
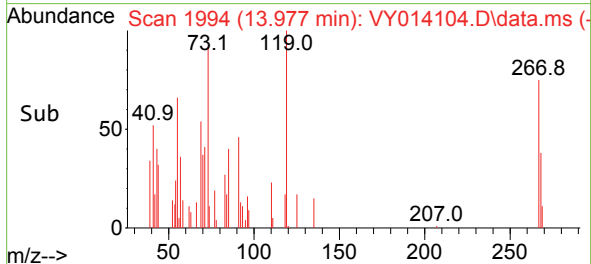
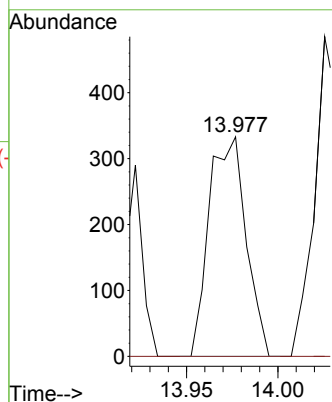
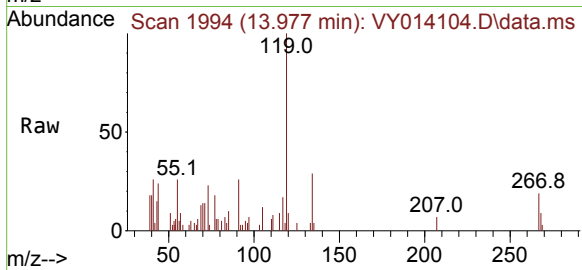
NB-8-060823

Tgt Ion:117 Resp: 468

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.389 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

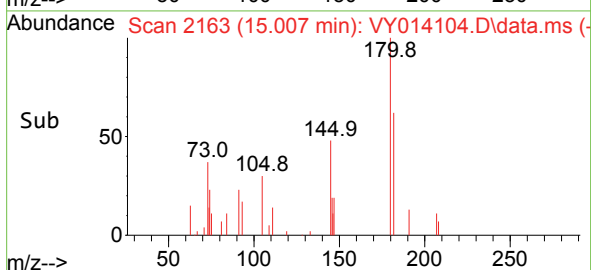
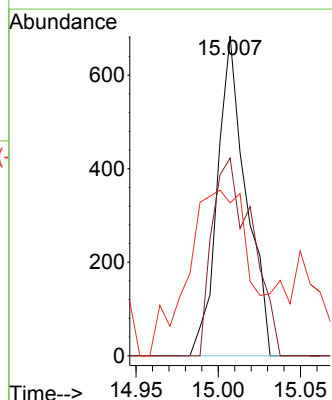
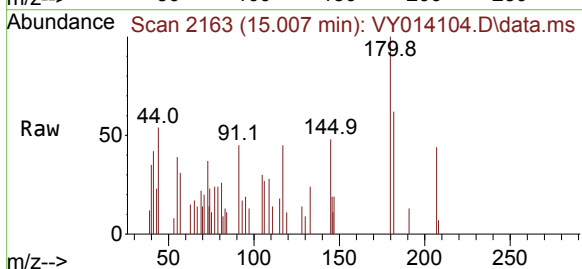
Tgt Ion:180 Resp: 827

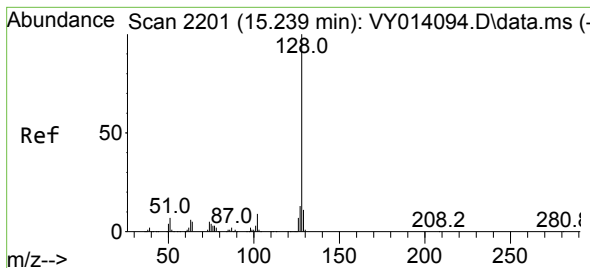
Ion Ratio Lower Upper

180 100

182 86.5 47.0 141.2

145 114.6 14.5 43.5#





#95

Naphthalene

Concen: 3.042 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

NB-8-060823

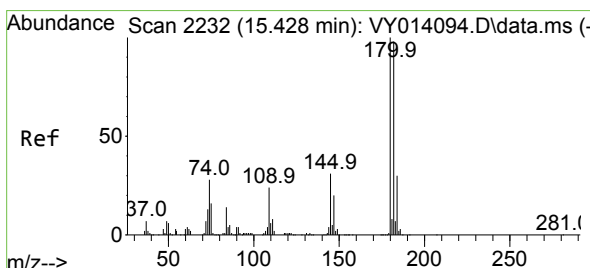
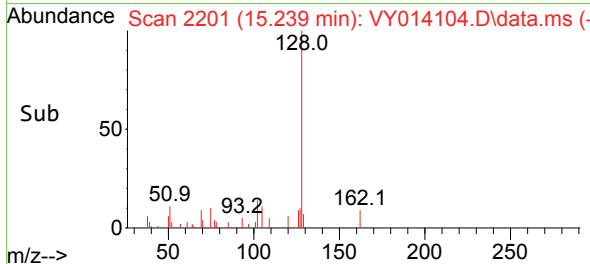
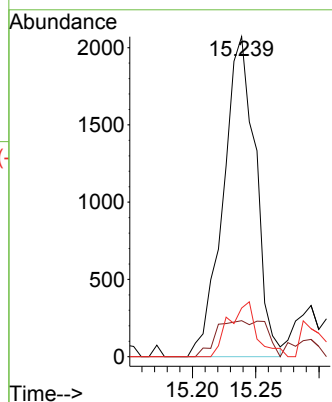
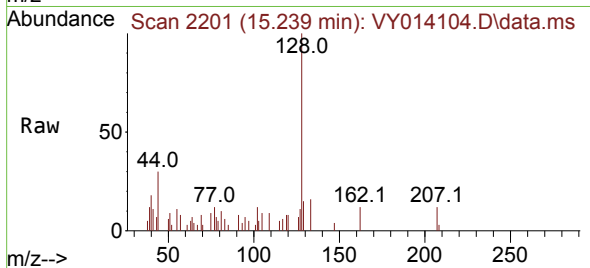
Tgt Ion:128 Resp: 3676

Ion Ratio Lower Upper

128 100

127 17.4 10.8 16.2#

129 14.9 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.641 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY014104.D

Acq: 09 Jun 2023 18:58

Tgt Ion:180 Resp: 883

Ion Ratio Lower Upper

180 100

182 98.5 47.3 141.8

145 0.0 15.4 46.2#

