

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015193.D
 Acq On : 18 Aug 2023 14:13
 Operator : SY/MD
 Sample : 04086-04
 Misc : 4.99g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:09:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

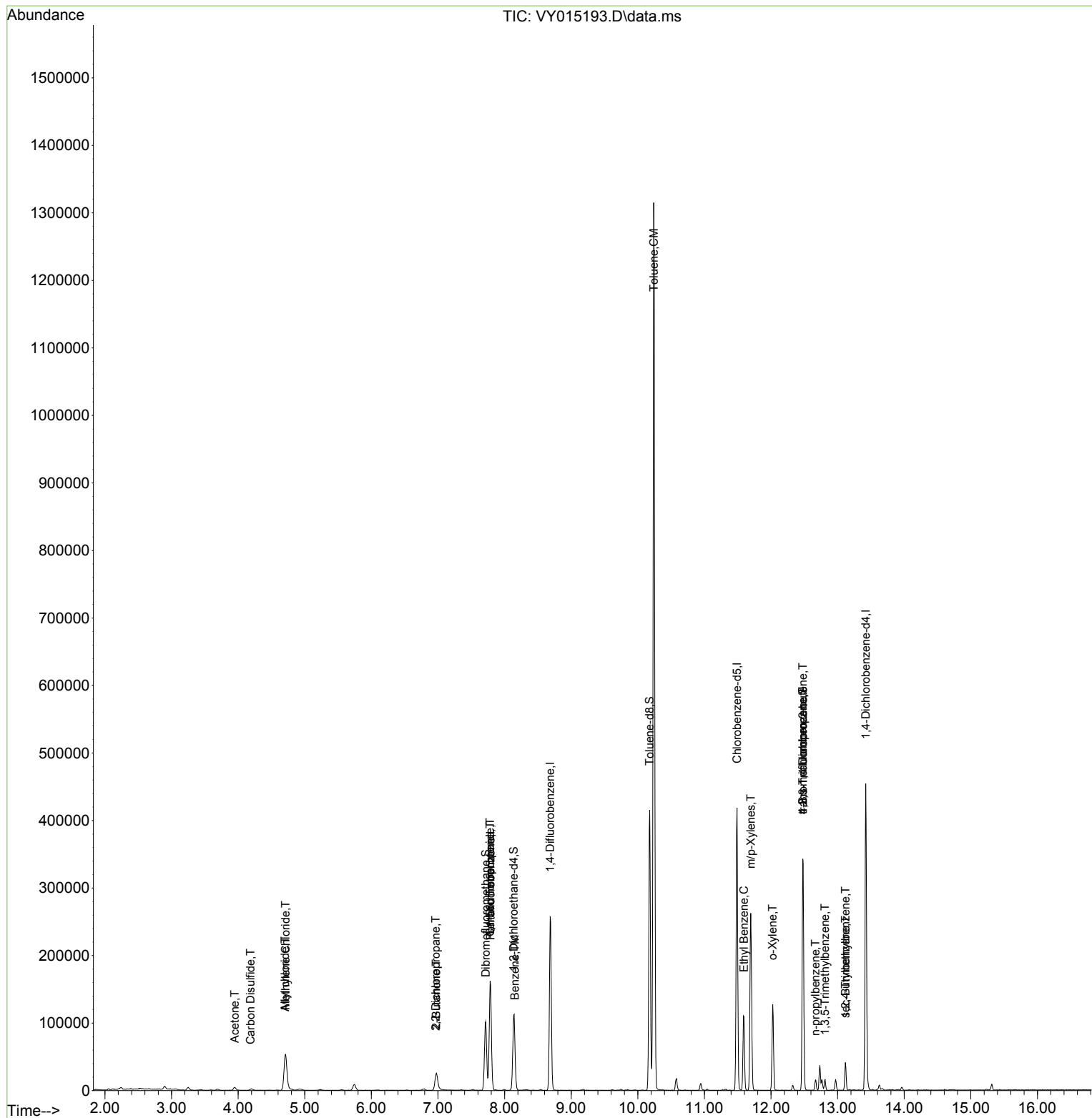
Internal Standards						
1) Pentafluorobenzene	7.789	168	122557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	218982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85191	57.906	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.820%			
35) Dibromofluoromethane	7.716	113	71032	50.421	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.179	98	266344	50.787	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.477	95	103507	54.037	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	55	Below Cal	#	43
3) Chloromethane	2.107	50	442	Below Cal	#	71
5) Bromomethane	2.662	94	174	Below Cal		82
11) Tert butyl alcohol	4.930	59	2204	Below Cal	#	89
14) Allyl chloride	4.704	41	1647	1.089	ug/l #	28
16) Acetone	3.948	43	7737	16.098	ug/l #	81
17) Carbon Disulfide	4.186	76	2056	1.370	ug/l #	95
20) Methylene Chloride	4.710	84	40391	33.638	ug/l	91
25) 2-Butanone	6.972	43	2172	3.192	ug/l #	85
26) 2,2-Dichloropropane	6.966	77	2089	1.061	ug/l #	54
36) 1,1-Dichloropropene	7.783	75	10209	6.550	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12301	6.669	ug/l #	19
40) Benzene	8.155	78	9696	2.058	ug/l	91
52) Toluene	10.240	92	533717	171.845	ug/l	94
67) Ethyl Benzene	11.593	91	77618	10.897	ug/l	100
68) m/p-Xylenes	11.697	106	79306	29.316	ug/l	95
69) o-Xylene	12.026	106	33211	12.324	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	56112	40.715	ug/l #	100
78) n-propylbenzene	12.666	91	12261	1.416	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	7273	1.196	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	56112	89.430	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	20846	3.431	ug/l	97
85) sec-Butylbenzene	13.117	105	20846	2.558	ug/l #	56

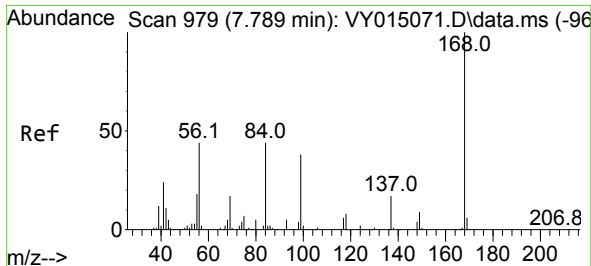
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
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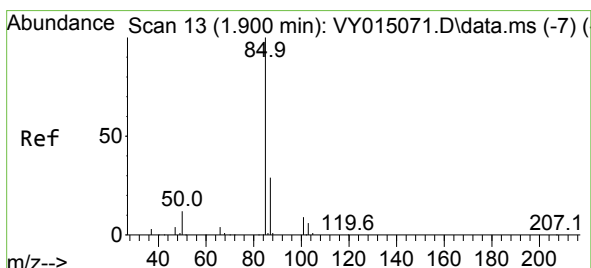
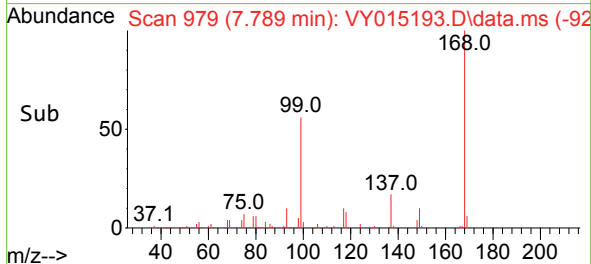
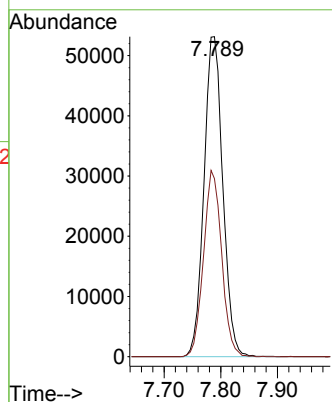
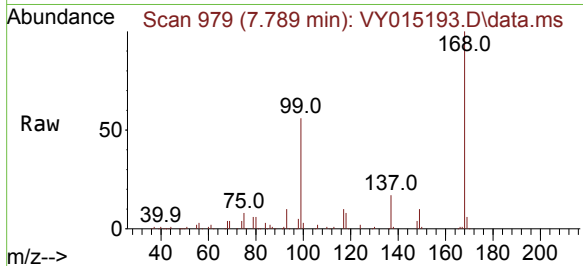




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

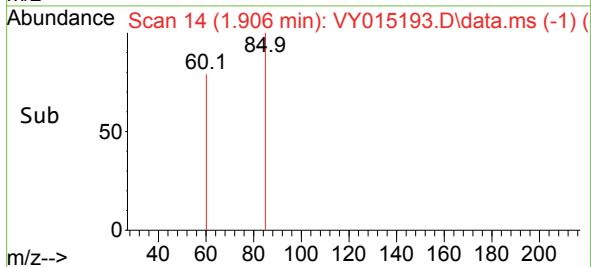
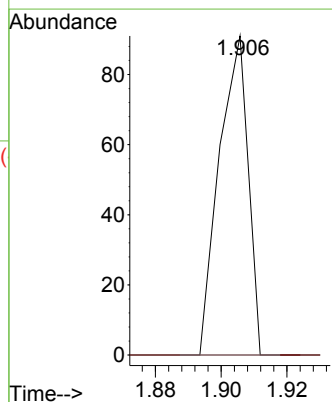
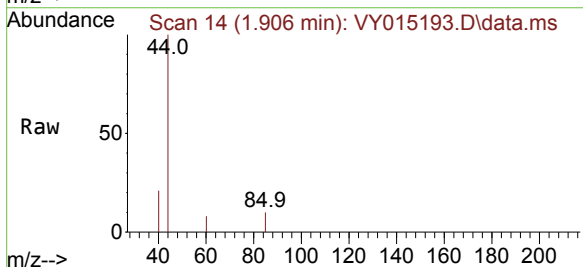
Instrument :
MSVOA_Y
ClientSampleId :

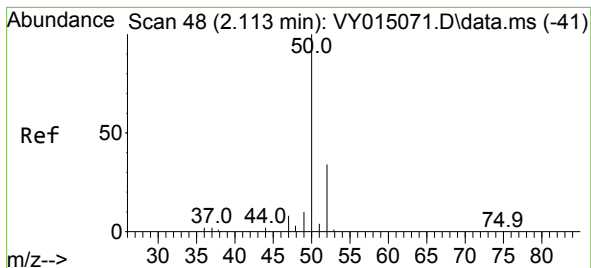
Tgt Ion:168 Resp: 122557
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

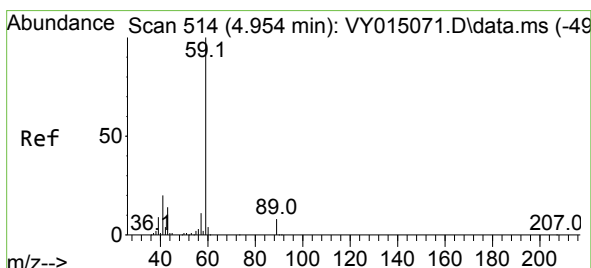
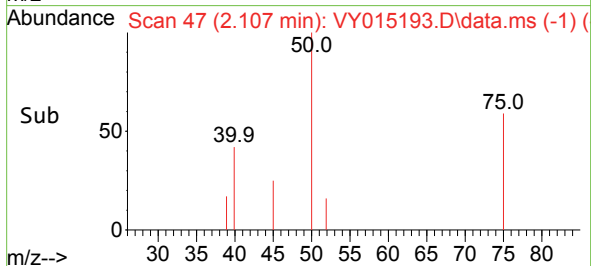
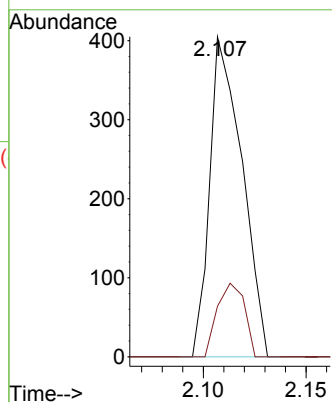
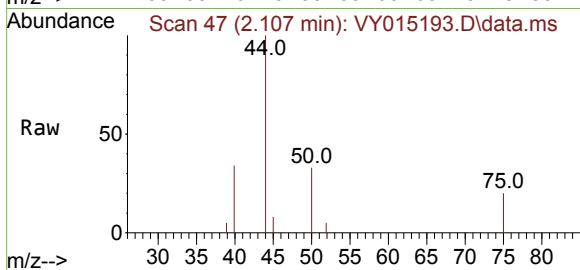
ClientSampleId :

Tgt Ion: 50 Resp: 442

Ion Ratio Lower Upper

50 100

52 15.8 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 510

Delta R.T. -0.018 min

Lab File: VY015193.D

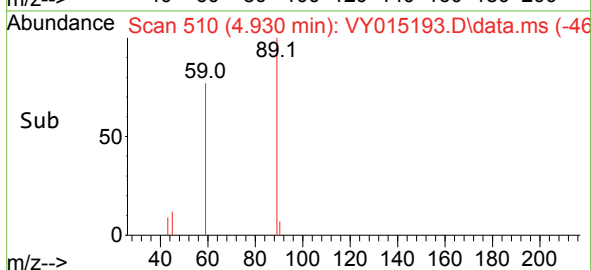
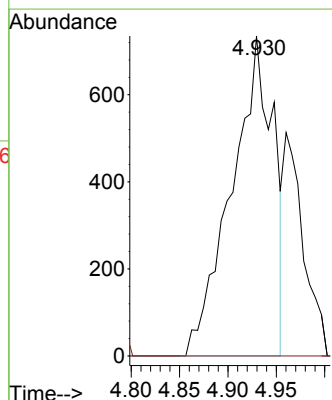
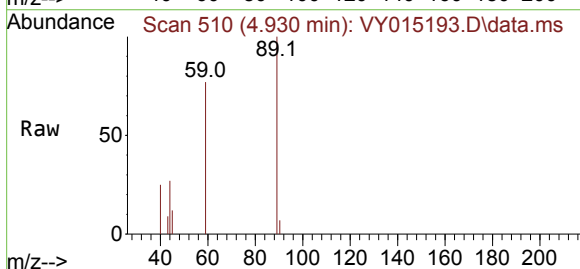
Acq: 18 Aug 2023 14:13

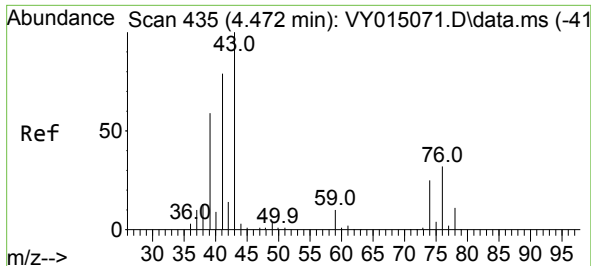
Tgt Ion: 59 Resp: 2204

Ion Ratio Lower Upper

59 100

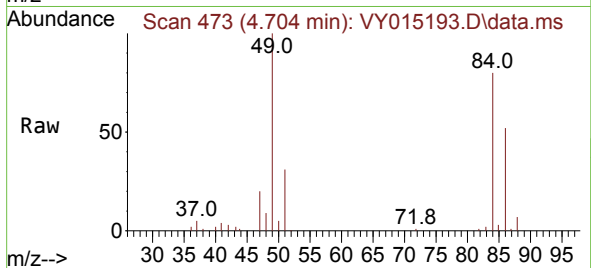
57 0.0 3.0 4.4#



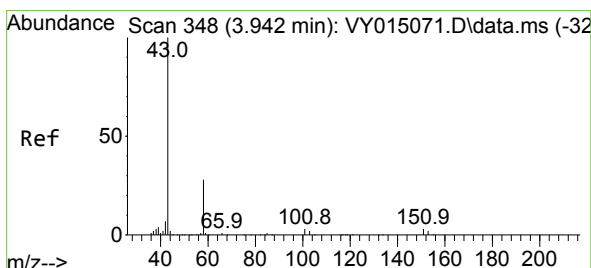
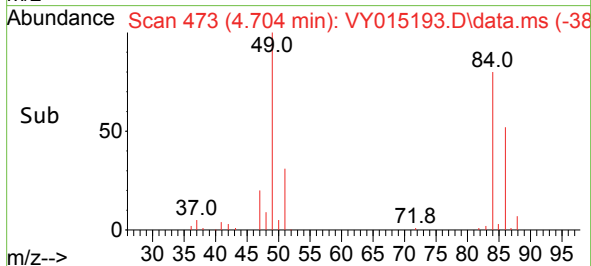
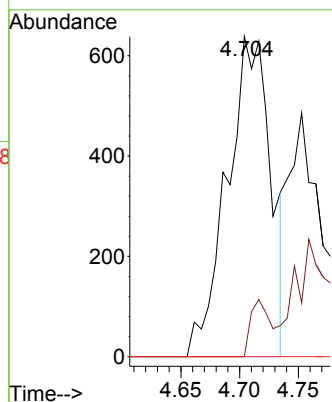


#14
 Allyl chloride
 Concen: 1.089 ug/l
 RT: 4.704 min Scan# 41
 Delta R.T. 0.232 min
 Lab File: VY015193.D
 Acq: 18 Aug 2023 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :

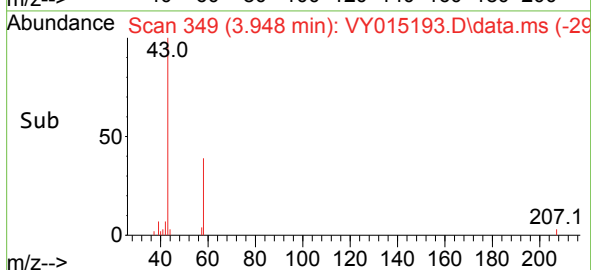
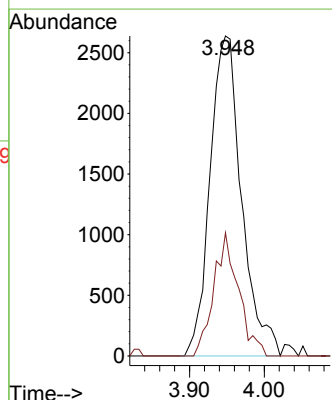
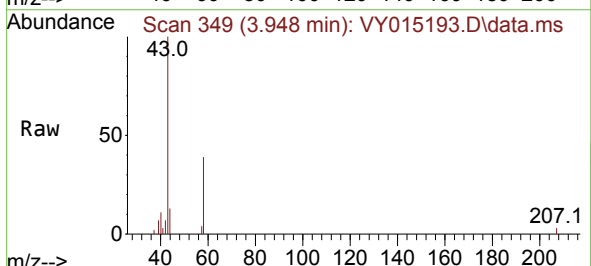


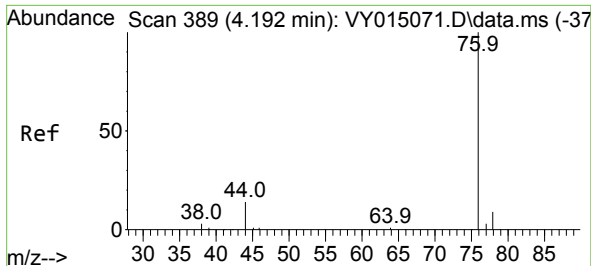
Tgt Ion: 41 Resp: 1647
 Ion Ratio Lower Upper
 41 100
 39 7.7 58.0 87.0#
 76 0.0 27.4 41.2#



#16
 Acetone
 Concen: 16.098 ug/l
 RT: 3.948 min Scan# 349
 Delta R.T. 0.006 min
 Lab File: VY015193.D
 Acq: 18 Aug 2023 14:13

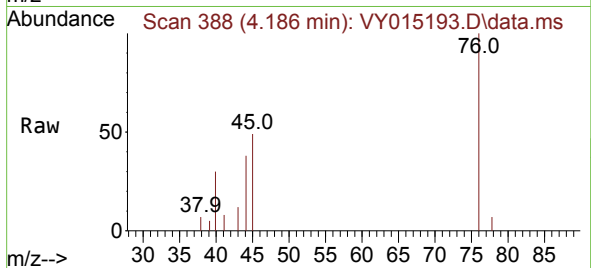
Tgt Ion: 43 Resp: 7737
 Ion Ratio Lower Upper
 43 100
 58 38.5 22.7 34.1#



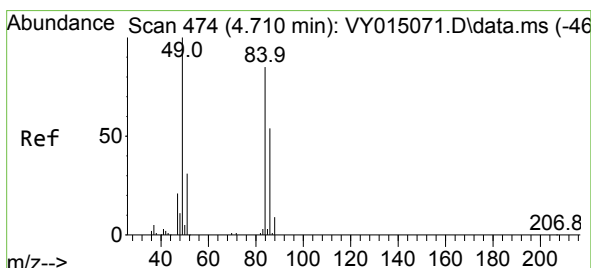
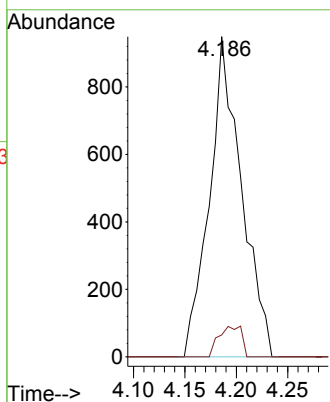
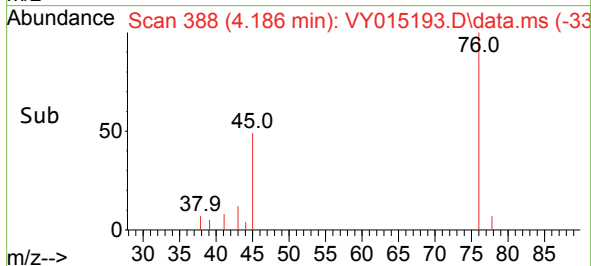


#17
Carbon Disulfide
Concen: 1.370 ug/l
RT: 4.186 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Instrument :
MSVOA_Y
ClientSampleId :

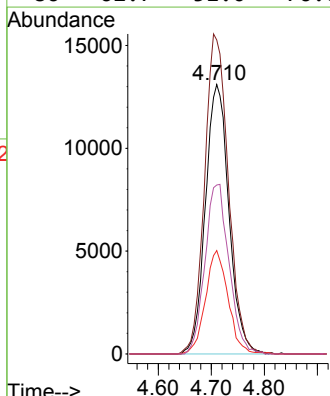
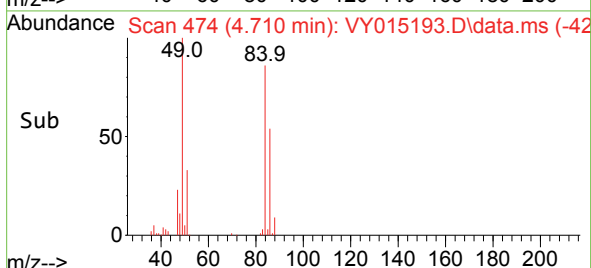
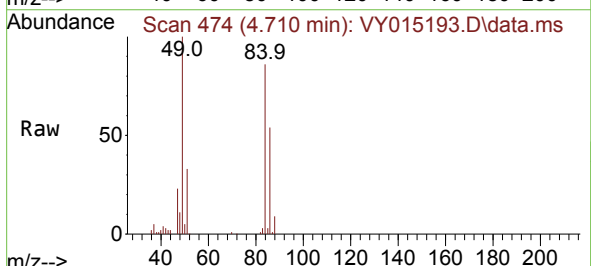


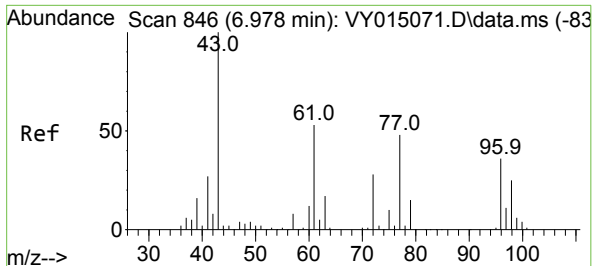
Tgt Ion: 76 Resp: 2056
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.4#



#20
Methylene Chloride
Concen: 33.638 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion: 84 Resp: 40391
Ion Ratio Lower Upper
84 100
49 116.5 106.9 160.3
51 38.4 33.2 49.8
86 62.7 51.0 76.6





#25

2-Butanone

Concen: 3.192 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

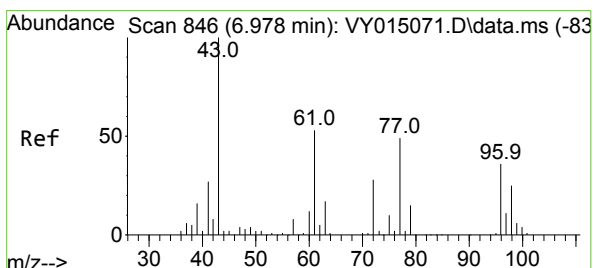
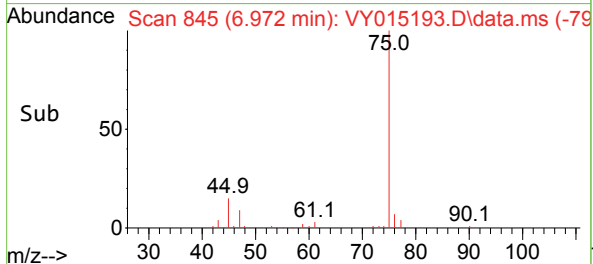
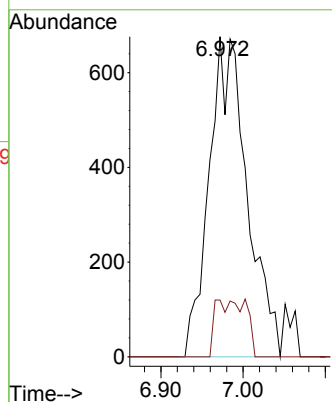
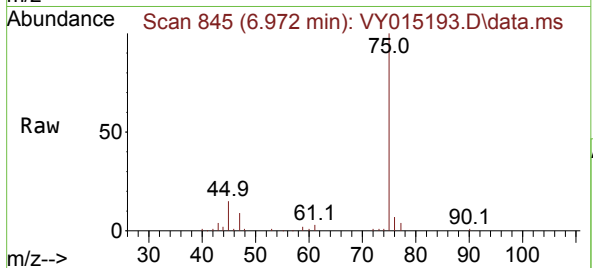
ClientSampleId :

Tgt Ion: 43 Resp: 2172

Ion Ratio Lower Upper

43 100

72 17.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.061 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY015193.D

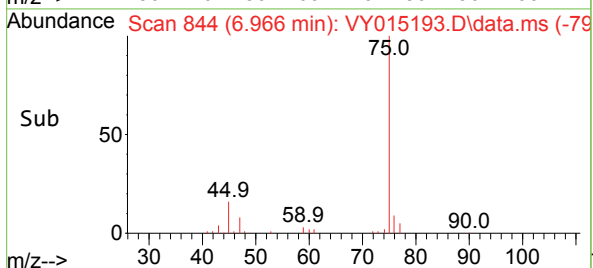
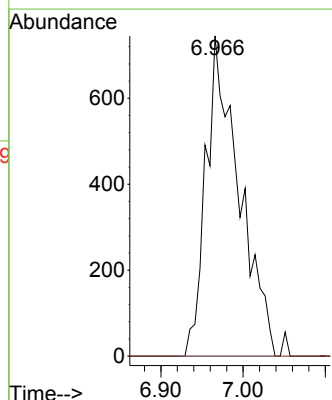
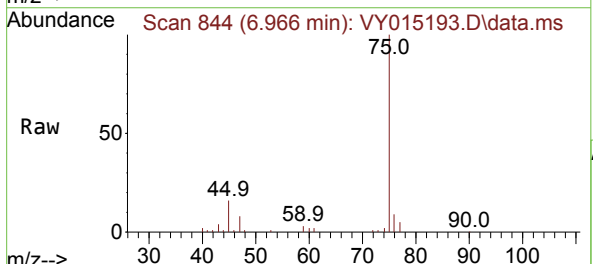
Acq: 18 Aug 2023 14:13

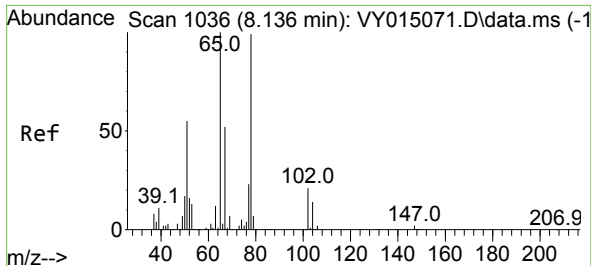
Tgt Ion: 77 Resp: 2089

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 57.906 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

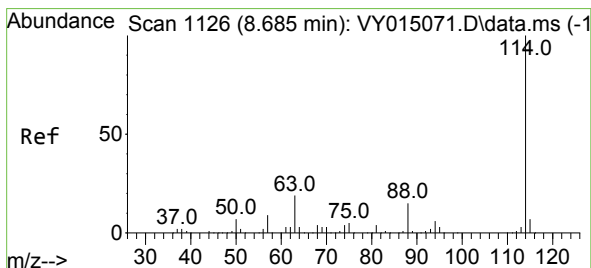
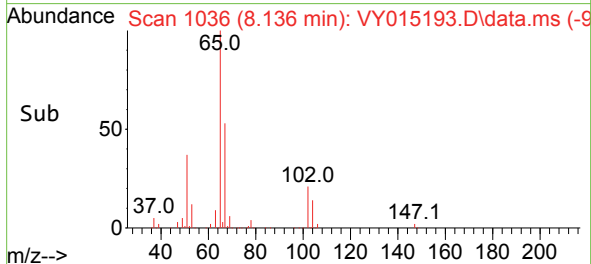
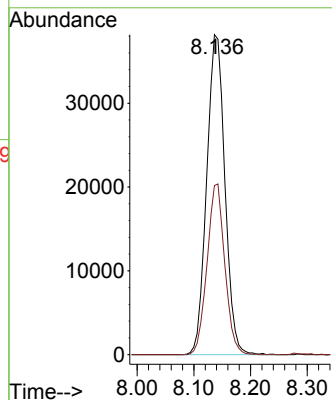
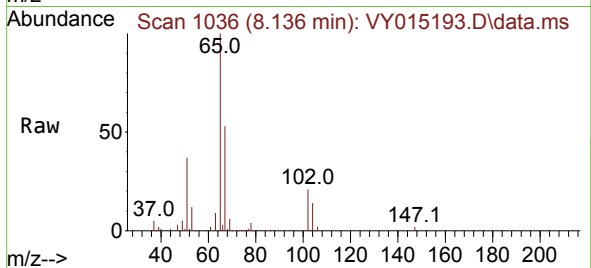
ClientSampleId :

Tgt Ion: 65 Resp: 85191

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

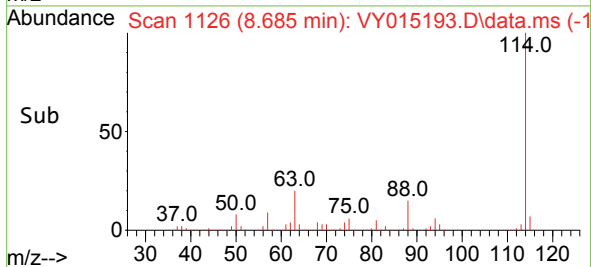
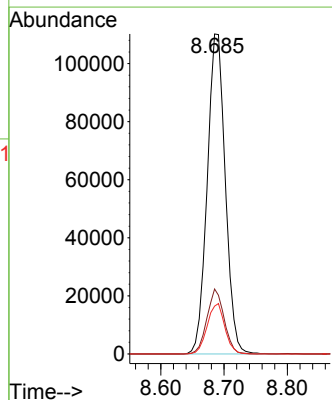
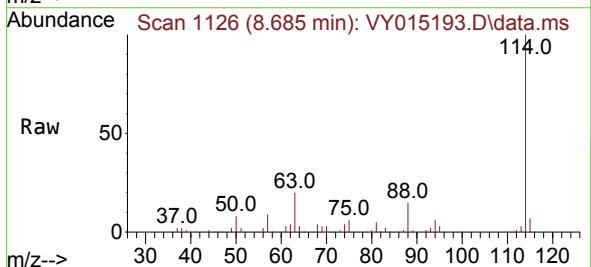
Tgt Ion: 114 Resp: 218982

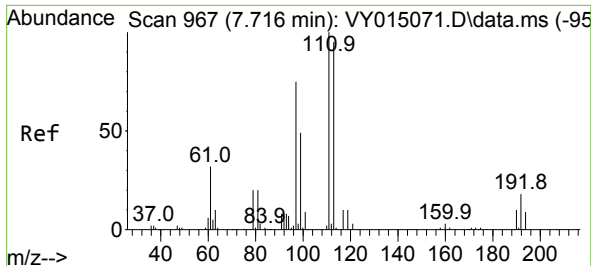
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.0 0.0 30.6

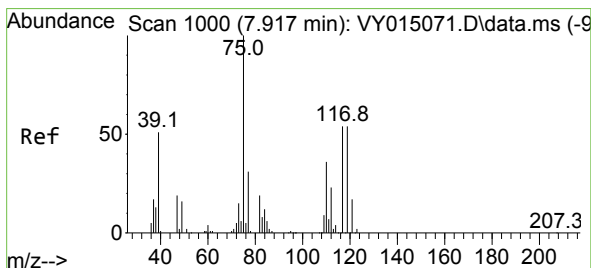
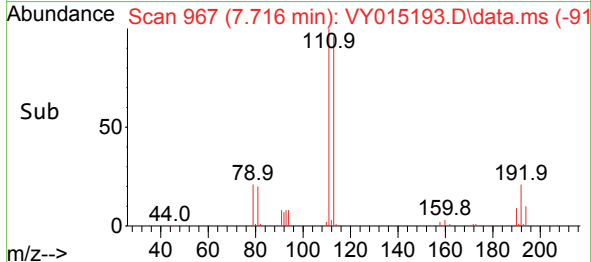
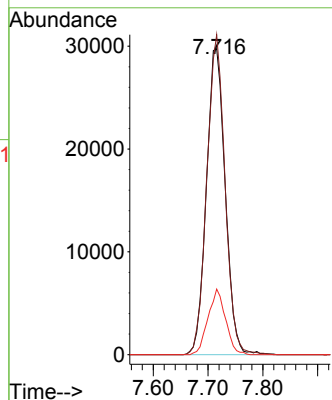
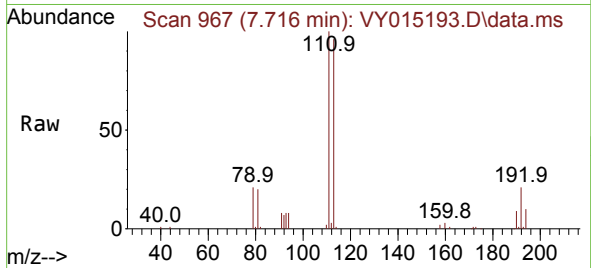




#35
Dibromofluoromethane
Concen: 50.421 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

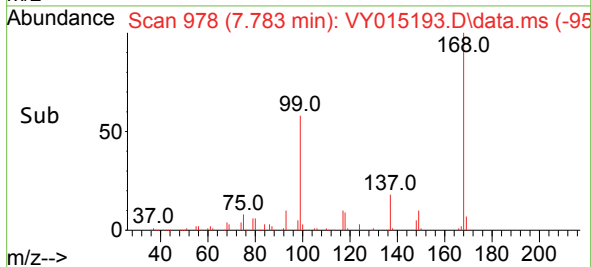
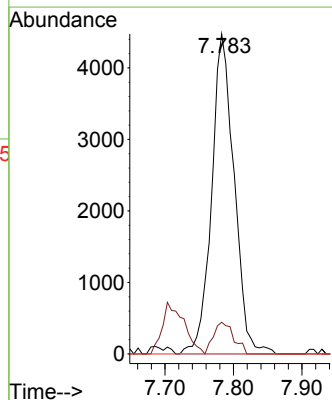
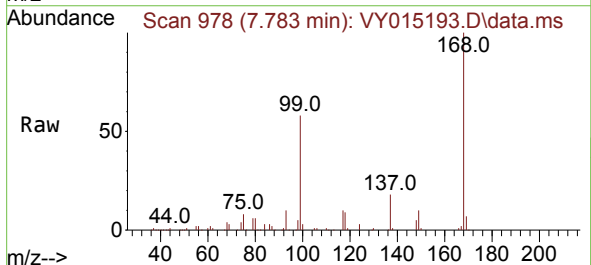
Instrument :
MSVOA_Y
ClientSampleId :

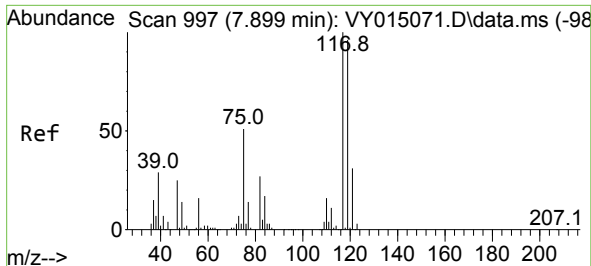
Tgt Ion:113 Resp: 71032
Ion Ratio Lower Upper
113 100
111 100.8 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.550 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

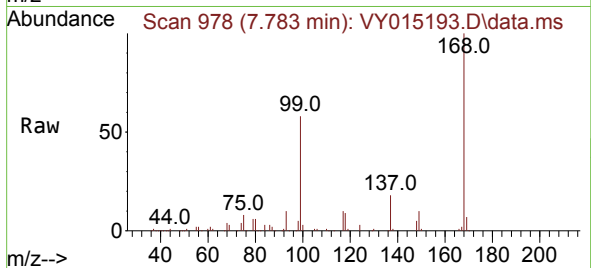
Tgt Ion: 75 Resp: 10209
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



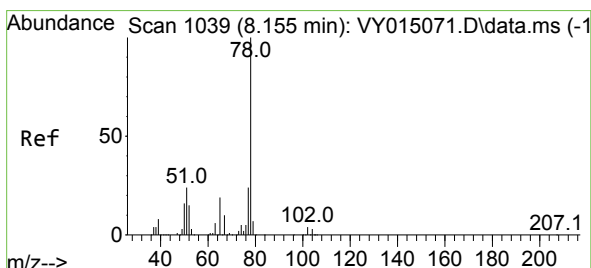
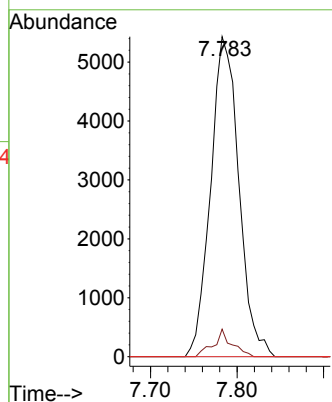
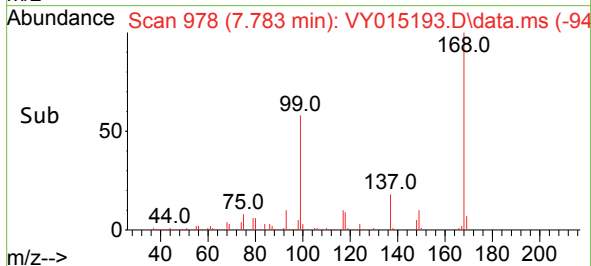


#38
Carbon Tetrachloride
Concen: 6.669 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Instrument :
MSVOA_Y
ClientSampleId :

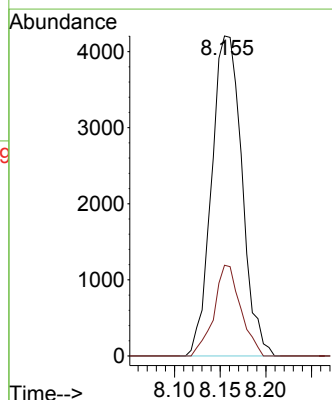
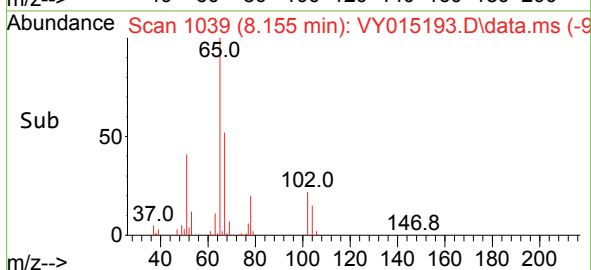
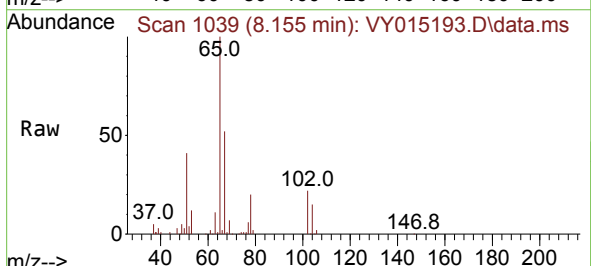


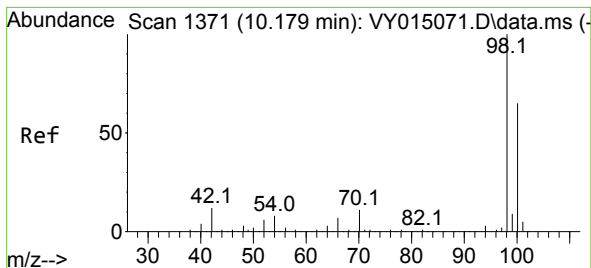
Tgt Ion:117 Resp: 12301
Ion Ratio Lower Upper
117 100
119 8.6 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 2.058 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion: 78 Resp: 9696
Ion Ratio Lower Upper
78 100
77 28.4 19.0 28.6





#50

Toluene-d8

Concen: 50.787 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

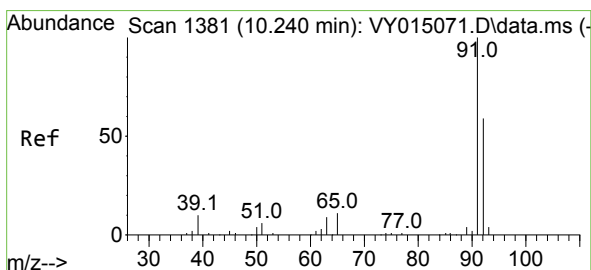
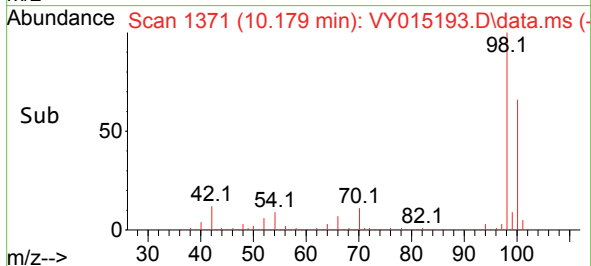
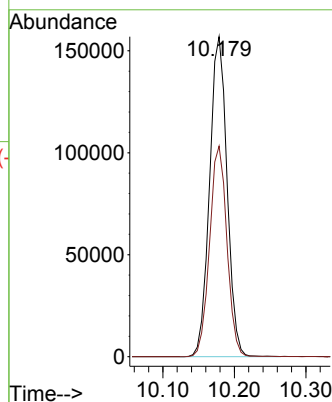
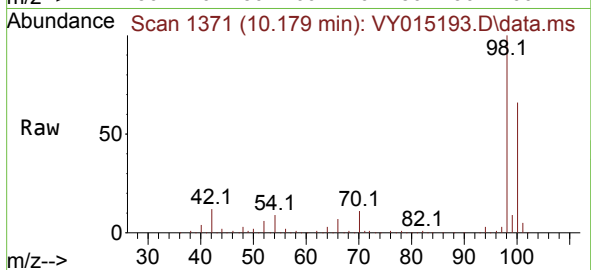
ClientSampleId :

Tgt Ion: 98 Resp: 266344

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#52

Toluene

Concen: 171.845 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY015193.D

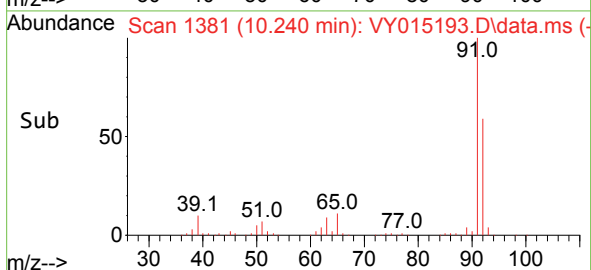
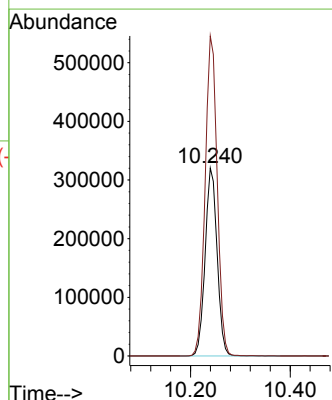
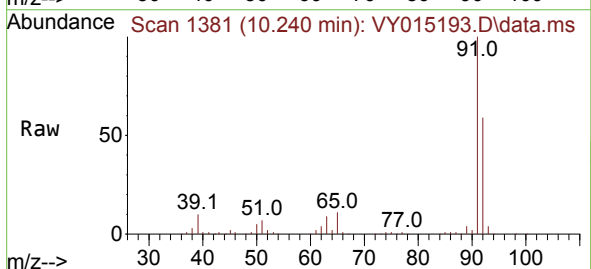
Acq: 18 Aug 2023 14:13

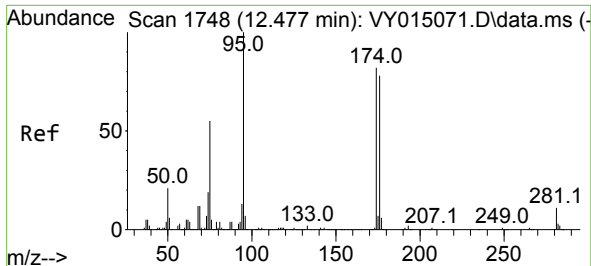
Tgt Ion: 92 Resp: 533717

Ion Ratio Lower Upper

92 100

91 171.5 143.8 215.6

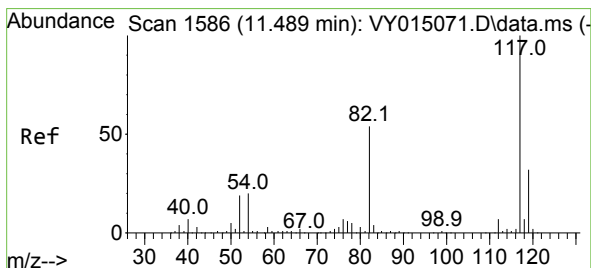
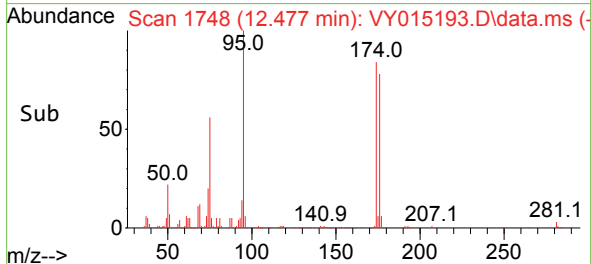
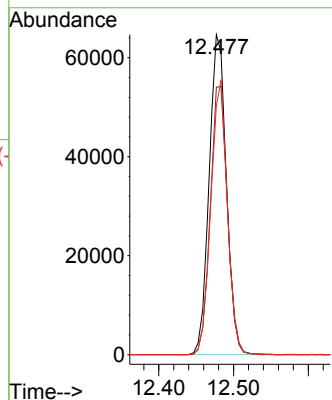
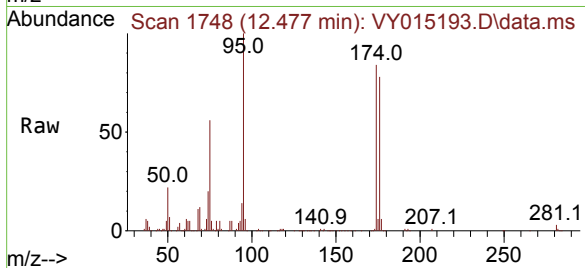




#62
4-Bromofluorobenzene
Concen: 54.037 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

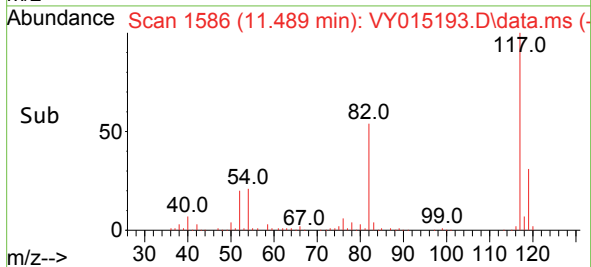
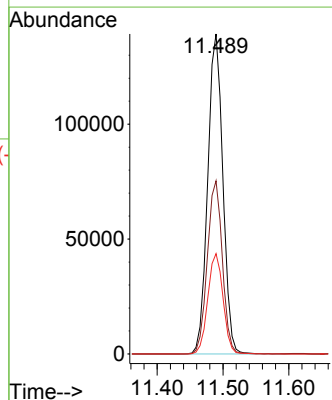
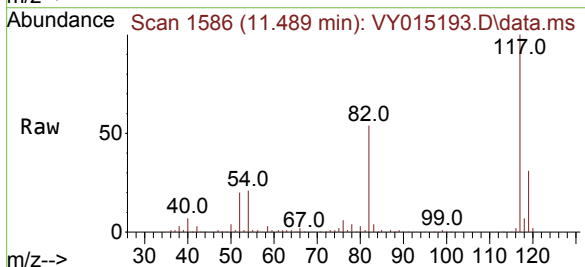
Instrument :
MSVOA_Y
ClientSampleId :

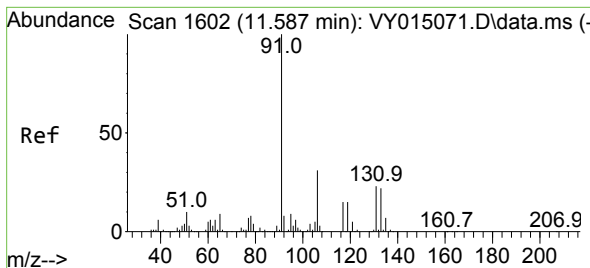
Tgt Ion: 95 Resp: 103507
Ion Ratio Lower Upper
95 100
174 84.0 0.0 178.2
176 81.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion: 117 Resp: 223118
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.4 26.3 39.5





#67

Ethyl Benzene

Concen: 10.897 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

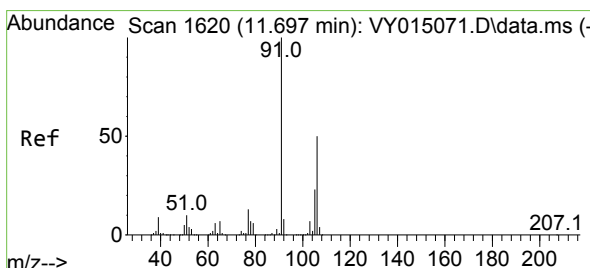
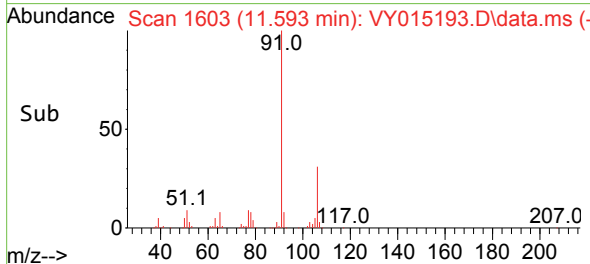
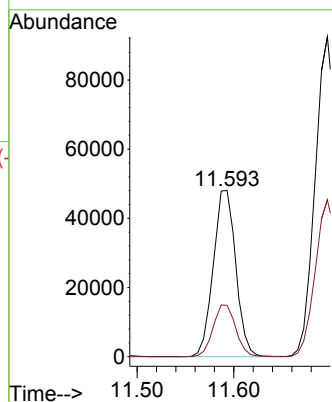
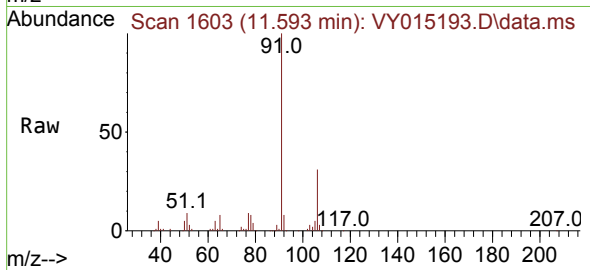
ClientSampleId :

Tgt Ion: 91 Resp: 77618

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 29.316 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY015193.D

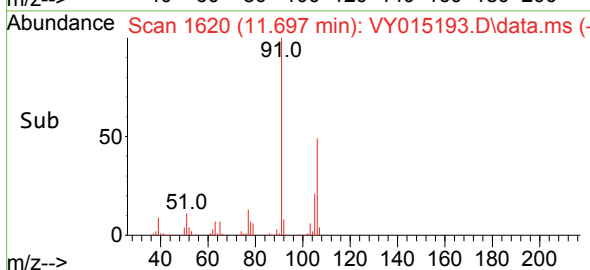
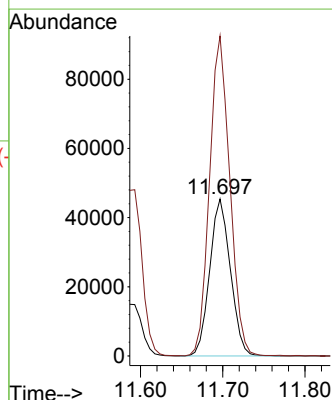
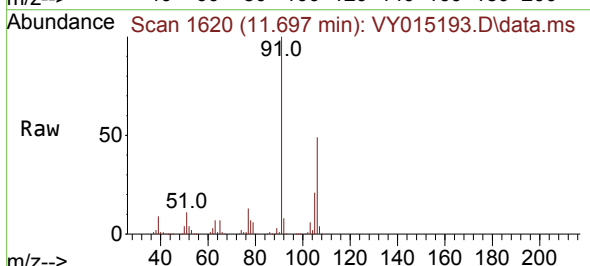
Acq: 18 Aug 2023 14:13

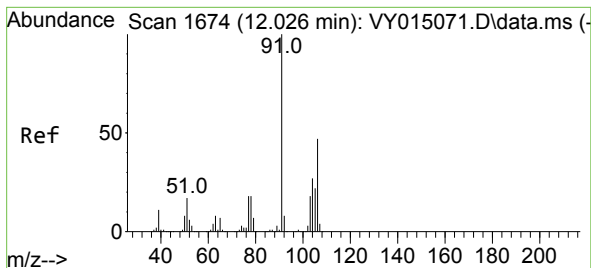
Tgt Ion:106 Resp: 79306

Ion Ratio Lower Upper

106 100

91 199.6 166.1 249.1





#69

o-Xylene

Concen: 12.324 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

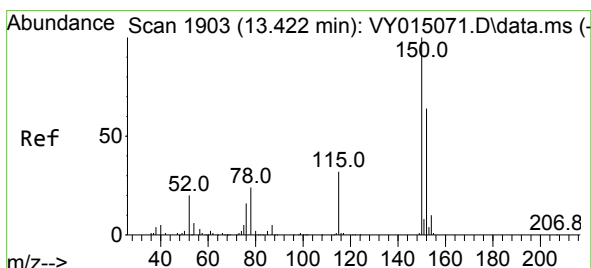
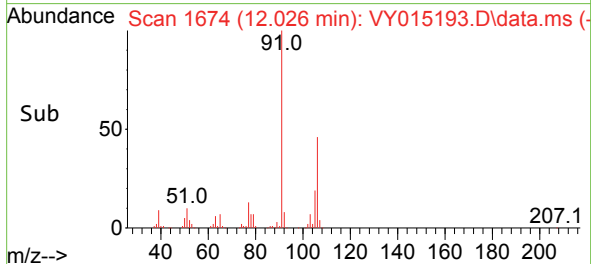
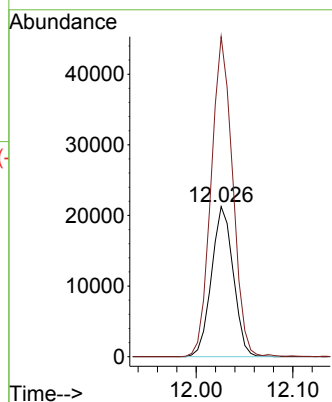
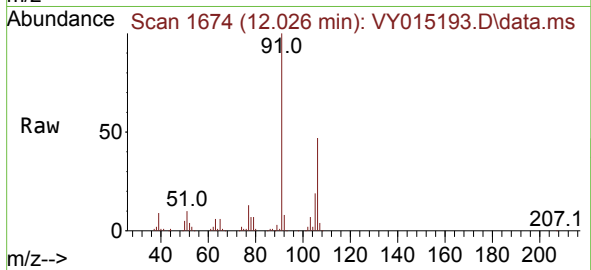
ClientSampleId :

Tgt Ion:106 Resp: 33211

Ion Ratio Lower Upper

106 100

91 211.7 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

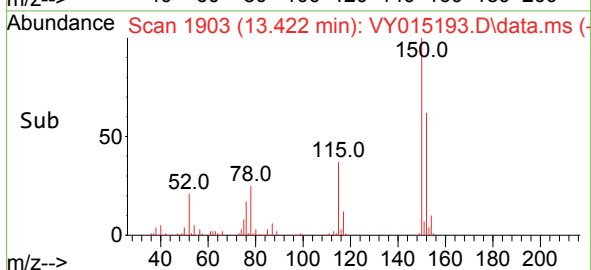
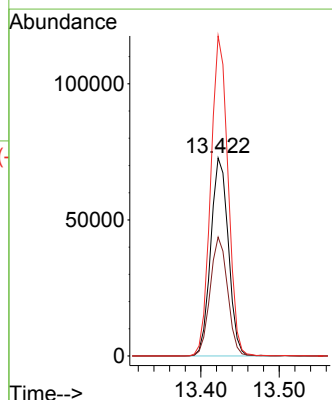
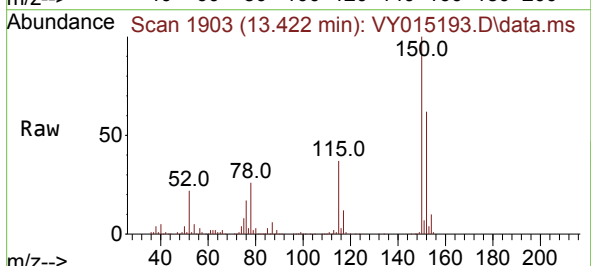
Tgt Ion:152 Resp: 113436

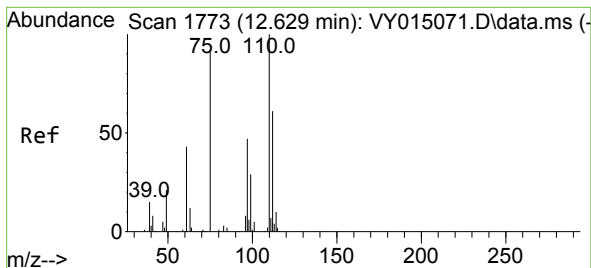
Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 158.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.715 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015193.D

Acq: 18 Aug 2023 14:13

Instrument :

MSVOA_Y

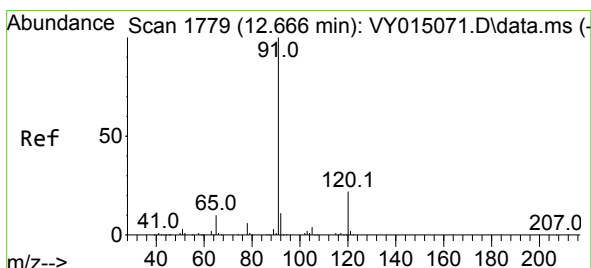
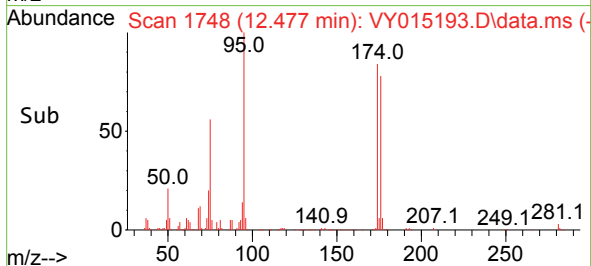
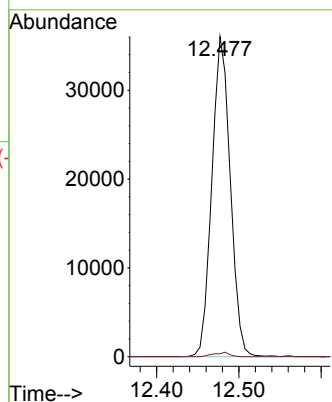
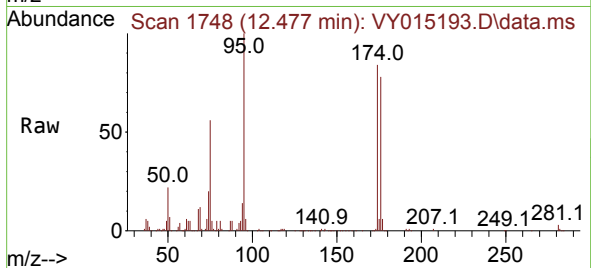
ClientSampleId :

Tgt Ion: 75 Resp: 56112

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 1.416 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VY015193.D

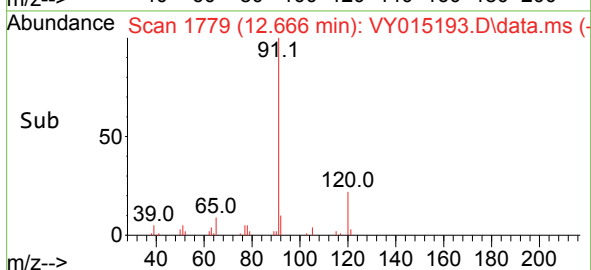
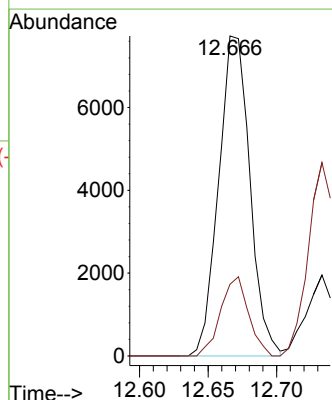
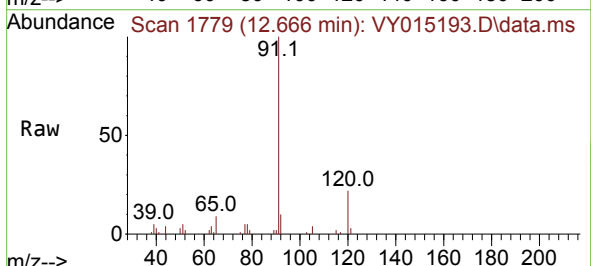
Acq: 18 Aug 2023 14:13

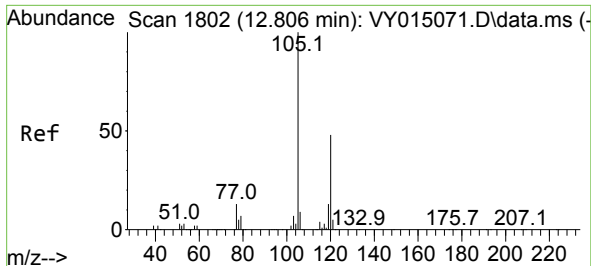
Tgt Ion: 91 Resp: 12261

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.4

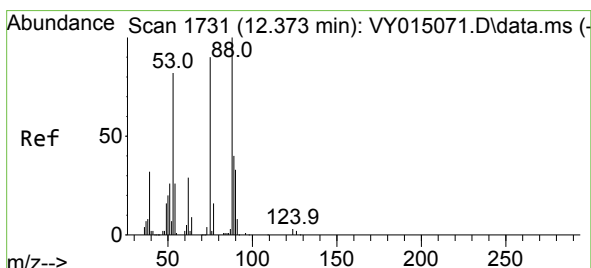
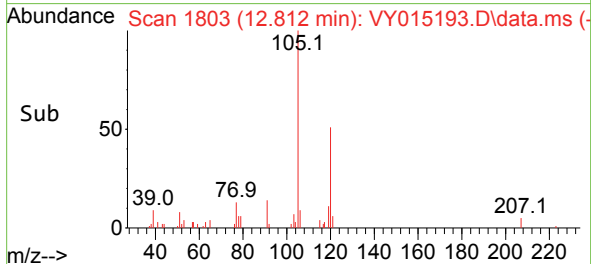
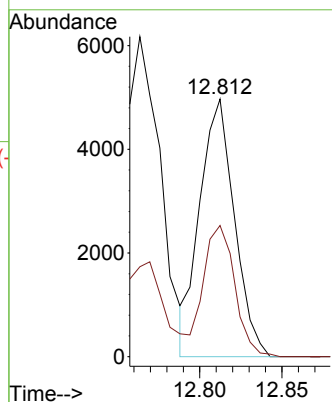
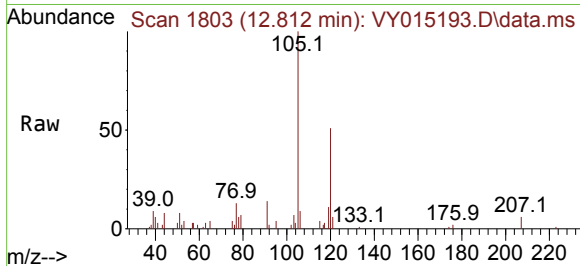




#80
1,3,5-Trimethylbenzene
Concen: 1.196 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

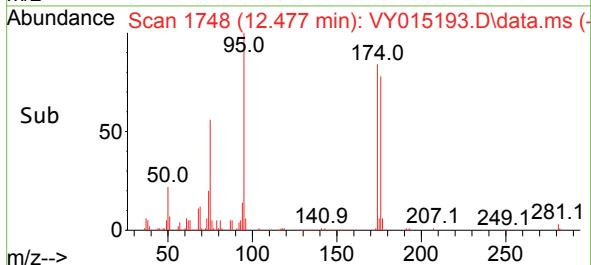
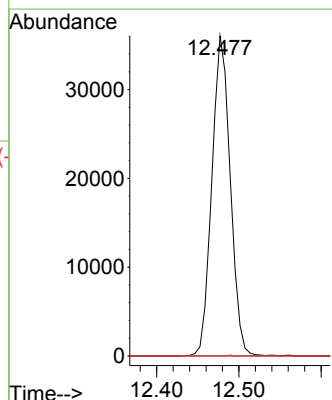
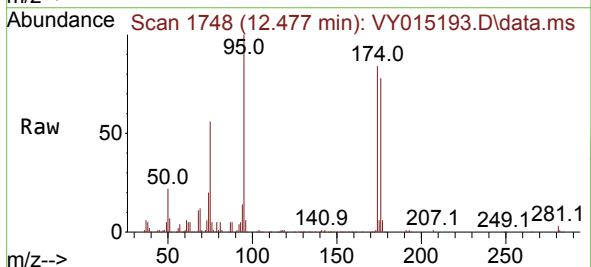
Instrument :
MSVOA_Y
ClientSampleId :

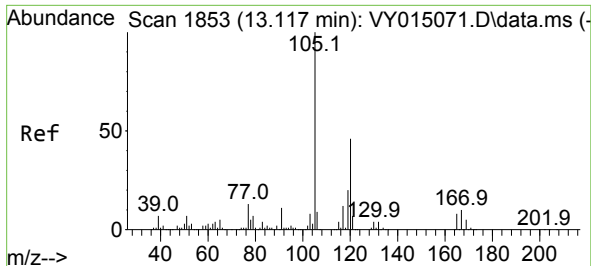
Tgt Ion:105 Resp: 7273
Ion Ratio Lower Upper
105 100
120 45.4 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 89.430 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion: 75 Resp: 56112
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

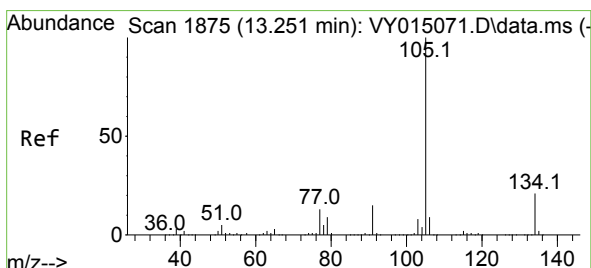
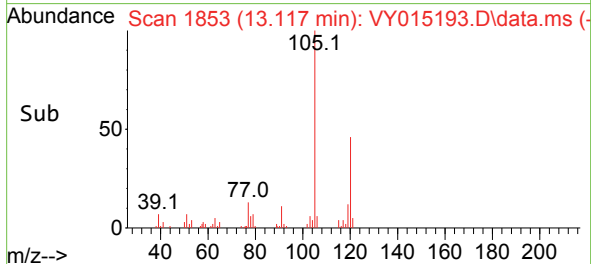
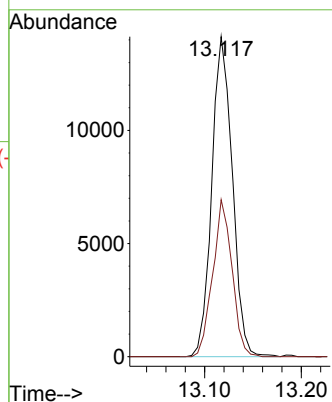
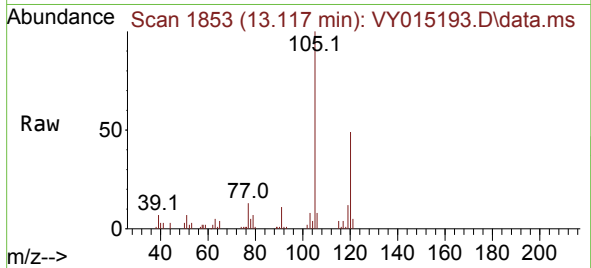




#84
1,2,4-Trimethylbenzene
Concen: 3.431 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 20846
Ion Ratio Lower Upper
105 100
120 46.1 22.2 66.6



#85
sec-Butylbenzene
Concen: 2.558 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY015193.D
Acq: 18 Aug 2023 14:13

Tgt Ion:105 Resp: 20846
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#

