

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014673.D
 Acq On : 17 Jul 2023 15:31
 Operator : SY/MD
 Sample : 03632-01
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-(2-4)RE

Quant Time: Jul 18 06:10:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	208213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	346874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	61052	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116479	49.092	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.180%
35) Dibromofluoromethane	7.710	113	110452	50.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.040%
50) Toluene-d8	10.179	98	390580	47.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.960%
62) 4-Bromofluorobenzene	12.477	95	84103	26.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.880%

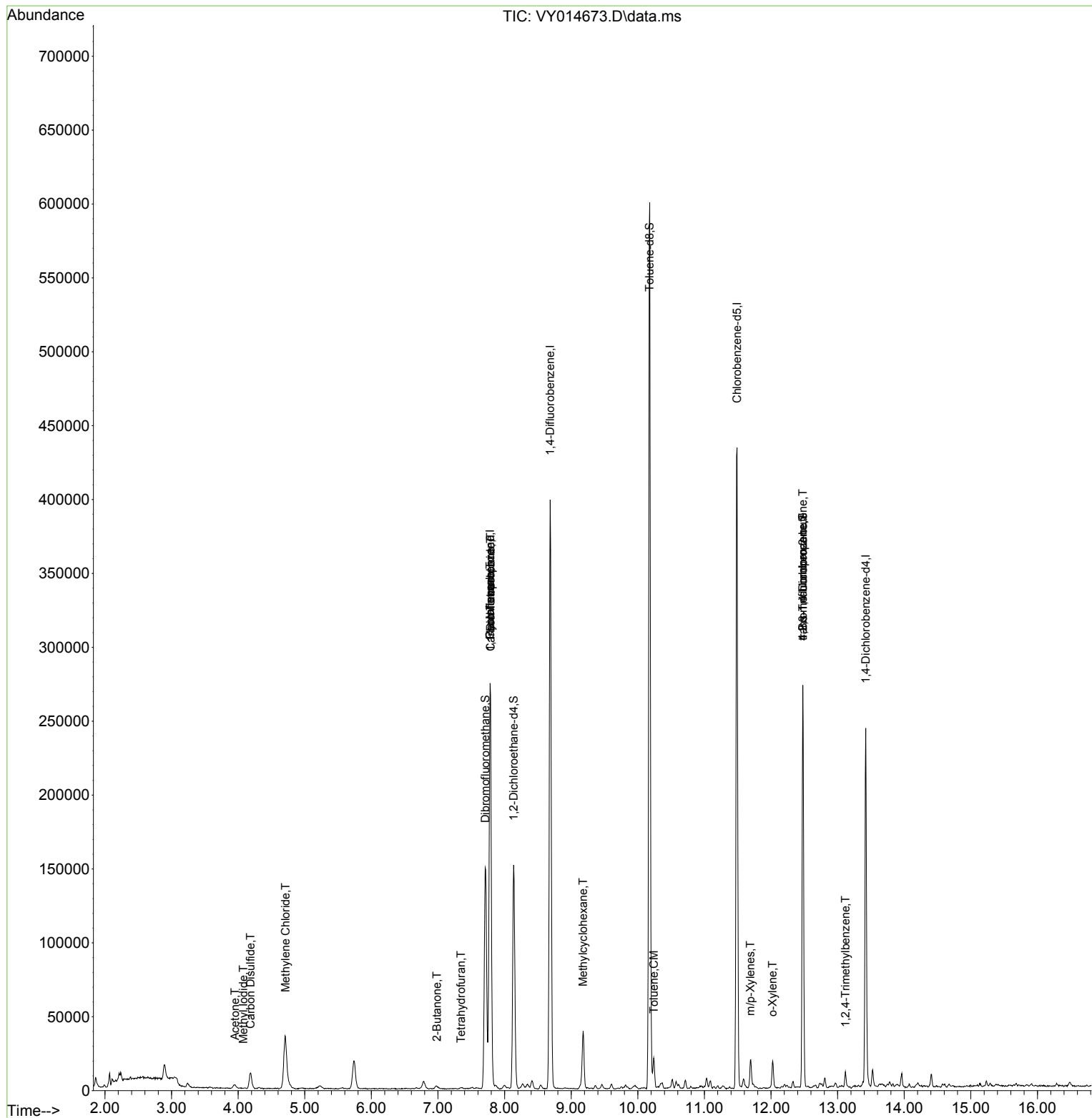
Target Compounds					Qvalue	
10) Methyl Iodide	4.076	142	186	2.446	ug/l #	45
11) Tert butyl alcohol	4.954	59	869	Below Cal	#	96
16) Acetone	3.954	43	4851	6.452	ug/l	91
17) Carbon Disulfide	4.186	76	21938	3.737	ug/l	99
20) Methylene Chloride	4.710	84	26247	7.125	ug/l	88
25) 2-Butanone	6.984	43	2016	1.833	ug/l	97
29) Tetrahydrofuran	7.344	42	858	1.267	ug/l #	48
31) Cyclohexane	7.783	56	10202	2.590	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	16082	4.870	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20678	5.924	ug/l #	16
39) Methylcyclohexane	9.179	83	16484	3.832	ug/l	94
52) Toluene	10.240	92	8044	1.339	ug/l	94
68) m/p-Xylenes	11.691	106	5844	1.644	ug/l	95
69) o-Xylene	12.026	106	4678	1.351	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	43173	55.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43173	108.409	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	5595	1.428	ug/l	98

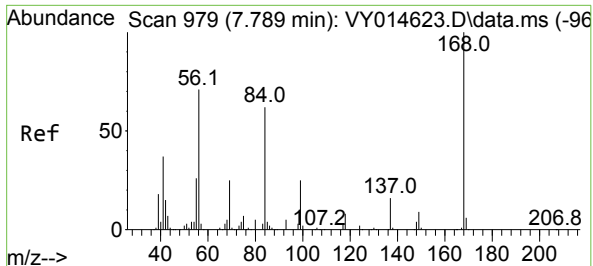
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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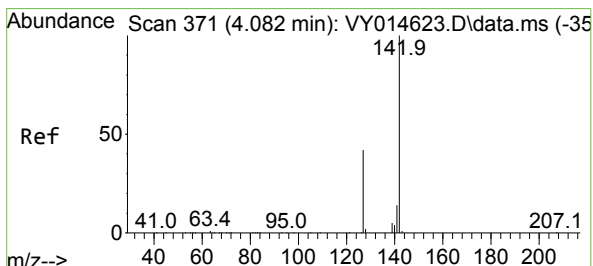
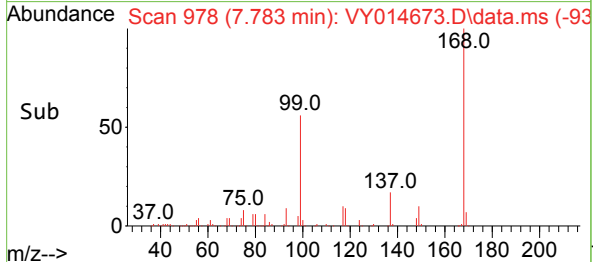
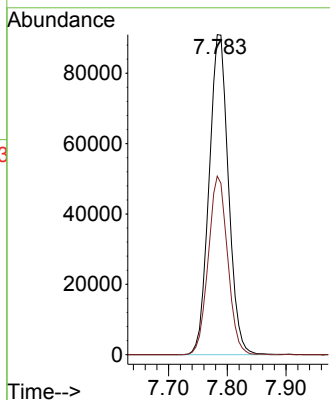
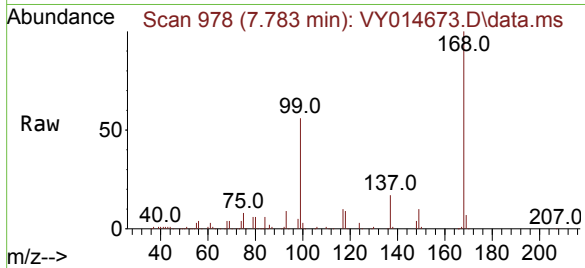




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

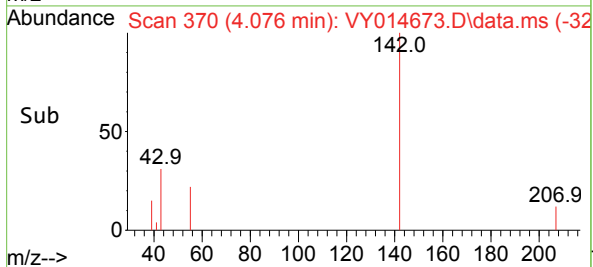
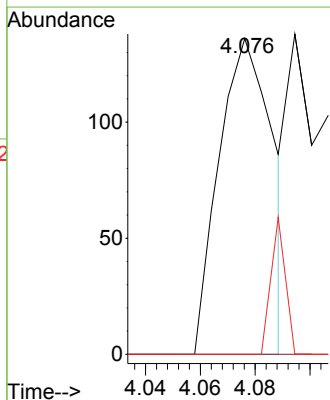
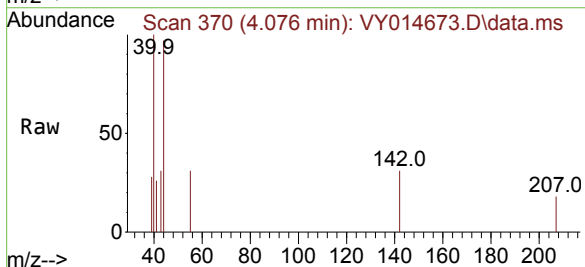
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

Tgt Ion:168 Resp: 208213
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.446 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 11.8 11.8 17.8#

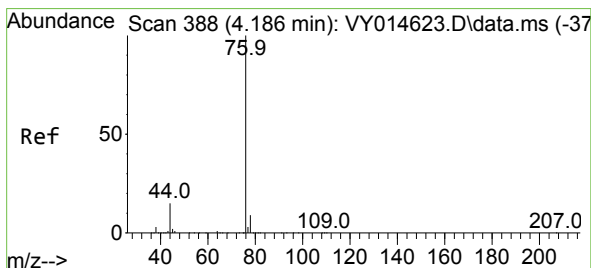
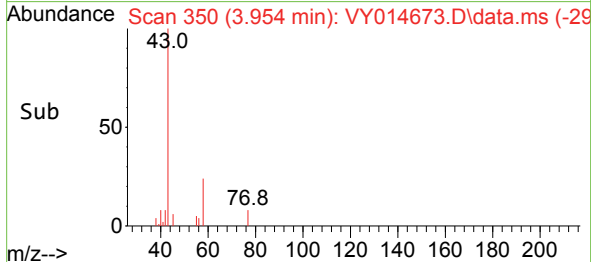
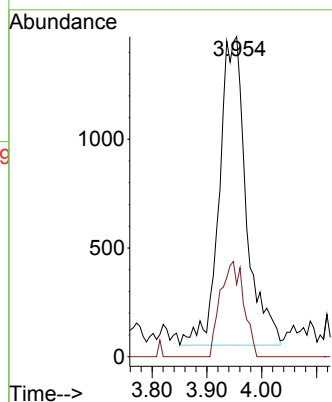
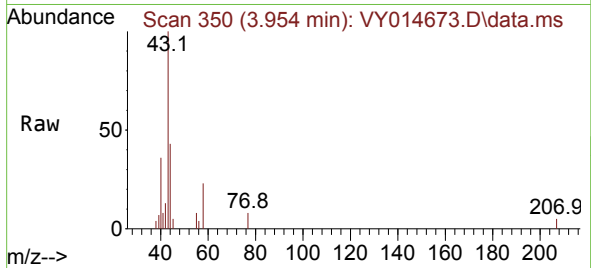




#16
Acetone
Concen: 6.452 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

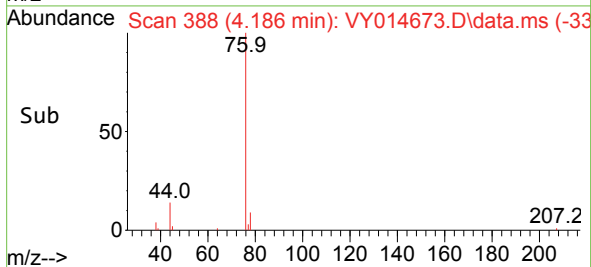
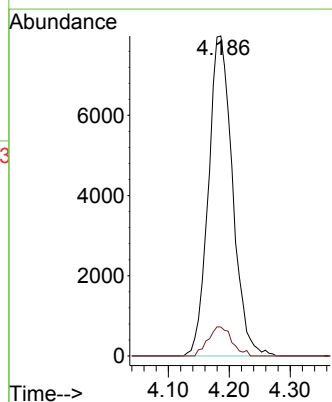
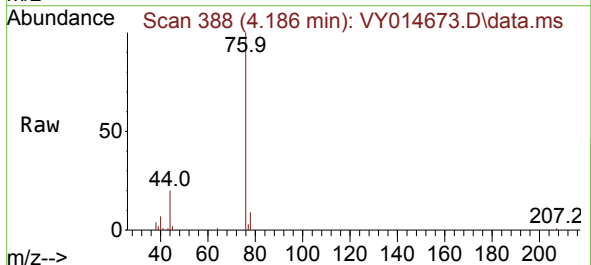
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

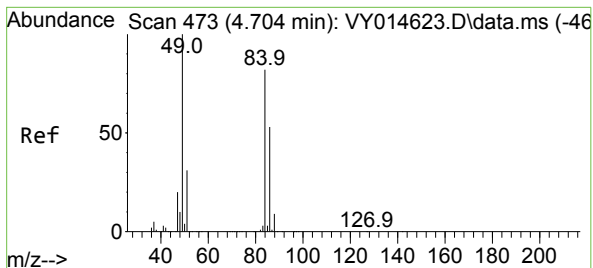
Tgt Ion: 43 Resp: 4851
Ion Ratio Lower Upper
43 100
58 23.5 22.7 34.1



#17
Carbon Disulfide
Concen: 3.737 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 76 Resp: 21938
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4





#20

Methylene Chloride

Concen: 7.125 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY014673.D

Acq: 17 Jul 2023 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-01-(2-4)RE

Tgt Ion: 84 Resp: 26247

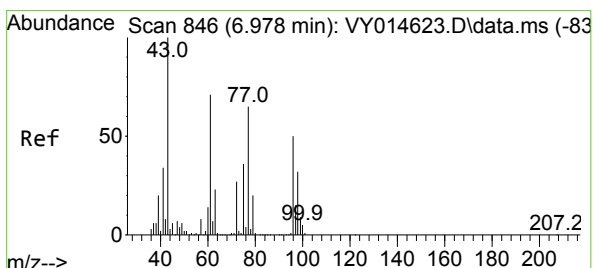
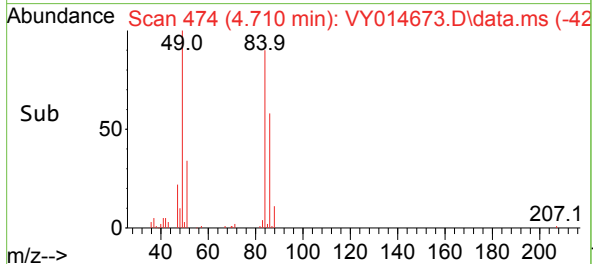
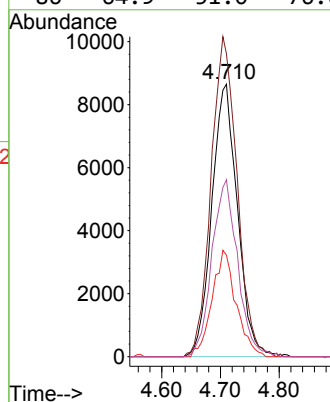
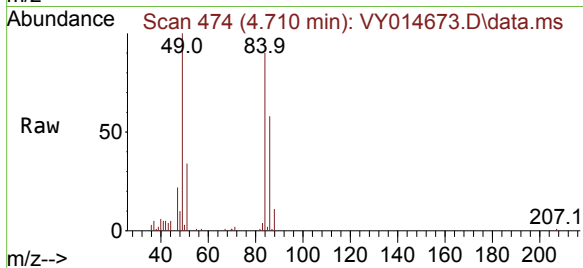
Ion Ratio Lower Upper

84 100

49 111.2 106.9 160.3

51 37.2 33.2 49.8

86 64.9 51.0 76.6



#25

2-Butanone

Concen: 1.833 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY014673.D

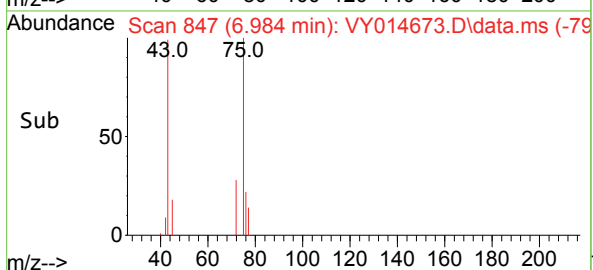
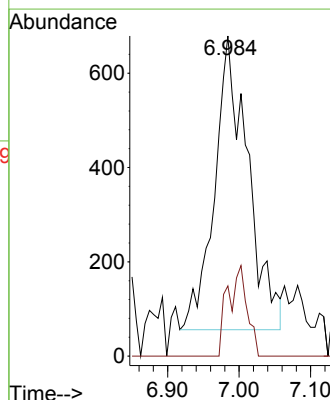
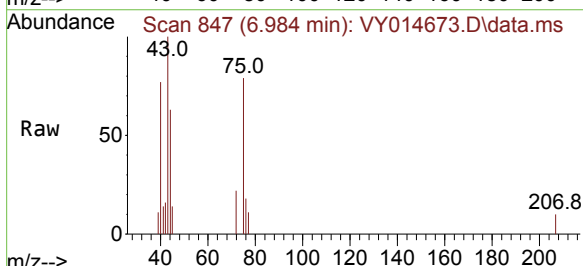
Acq: 17 Jul 2023 15:31

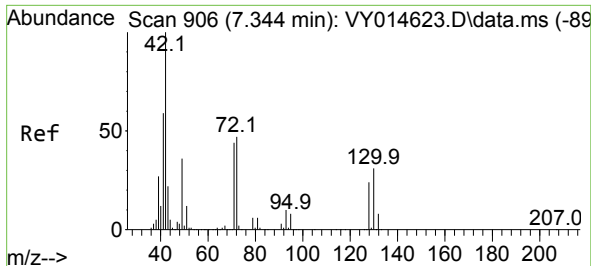
Tgt Ion: 43 Resp: 2016

Ion Ratio Lower Upper

43 100

72 23.9 20.5 30.7

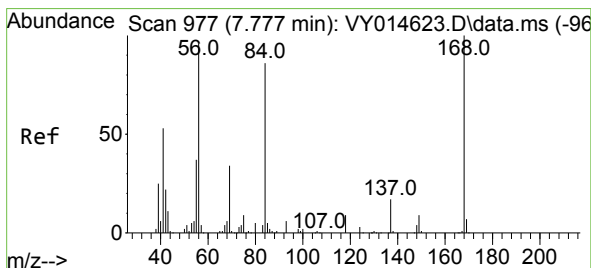
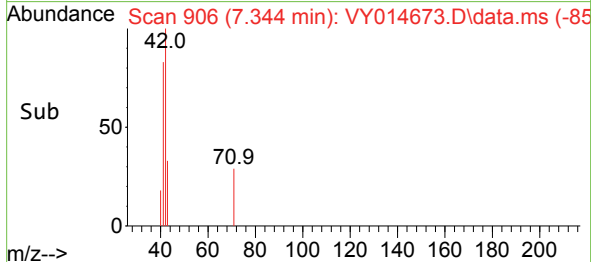
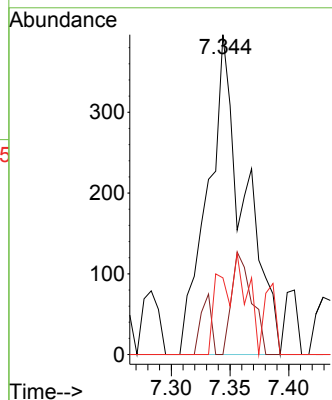
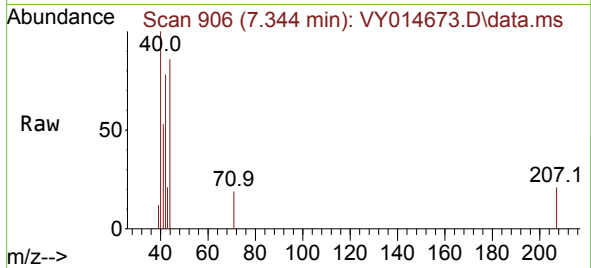




#29
Tetrahydrofuran
Concen: 1.267 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

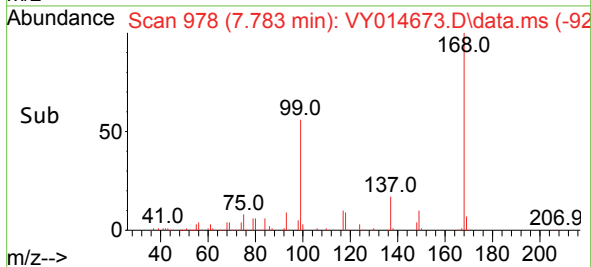
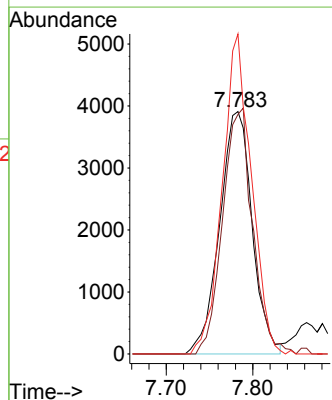
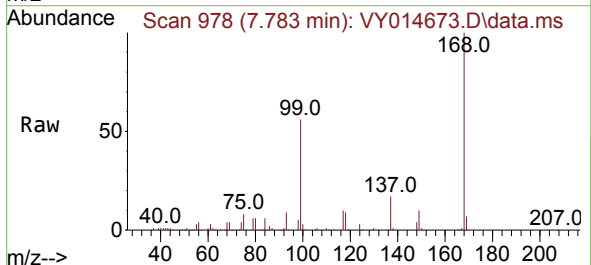
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

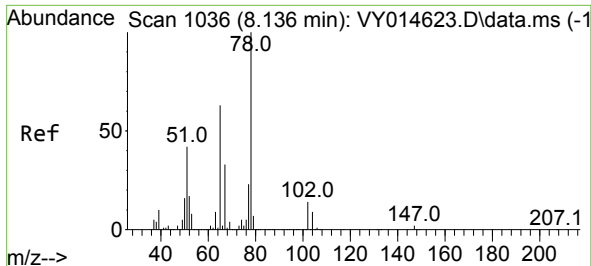
Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 5.4 32.8 49.2#
71 10.8 31.0 46.4#



#31
Cyclohexane
Concen: 2.590 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 56 Resp: 10202
Ion Ratio Lower Upper
56 100
69 98.9 27.8 41.6#
84 132.1 66.4 99.6#

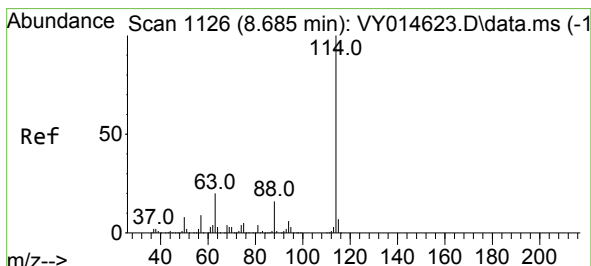
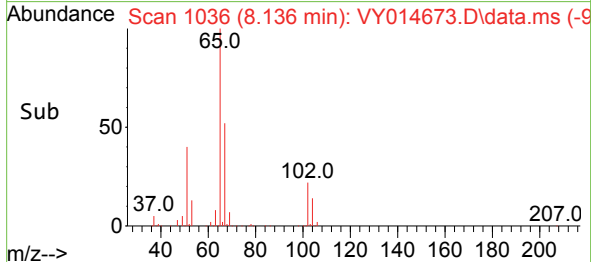
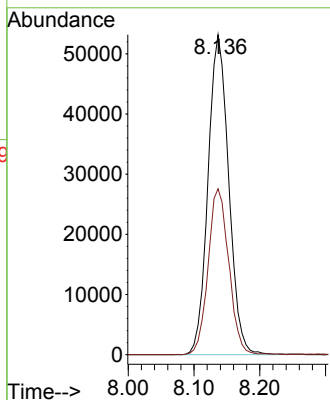
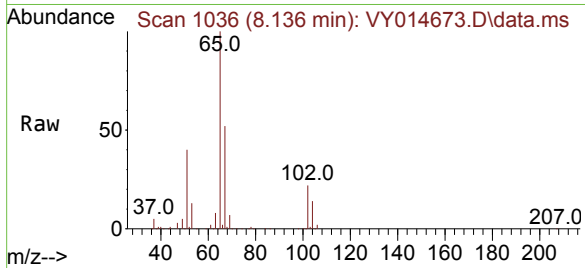




#33
 1,2-Dichloroethane-d4
 Concen: 49.092 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014673.D
 Acq: 17 Jul 2023 15:31

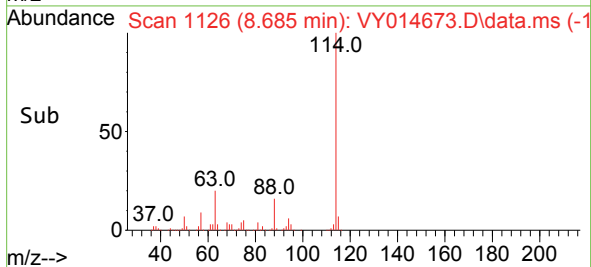
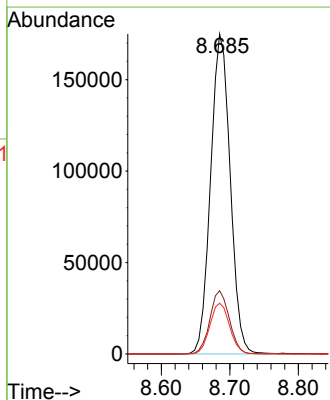
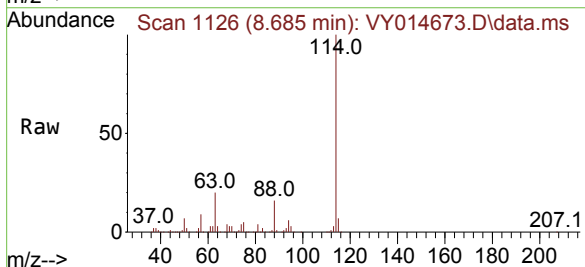
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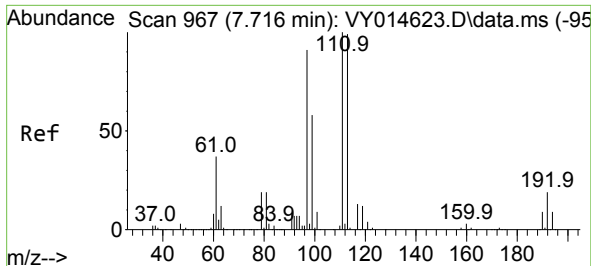
Tgt Ion: 65 Resp: 116479
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014673.D
 Acq: 17 Jul 2023 15:31

Tgt Ion:114 Resp: 346874
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 15.9 0.0 30.6

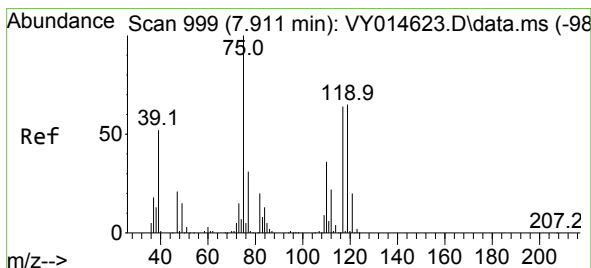
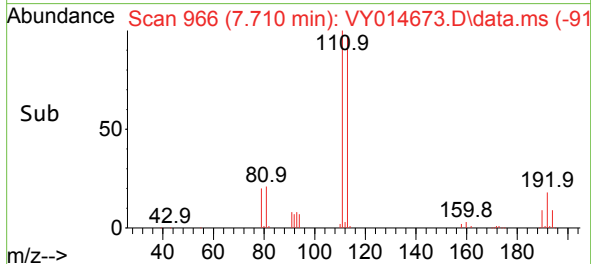
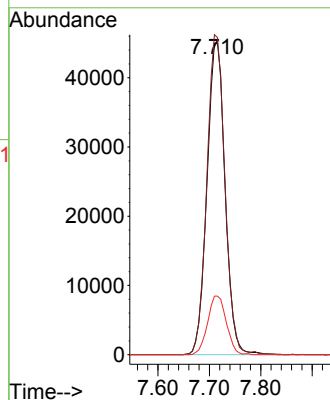
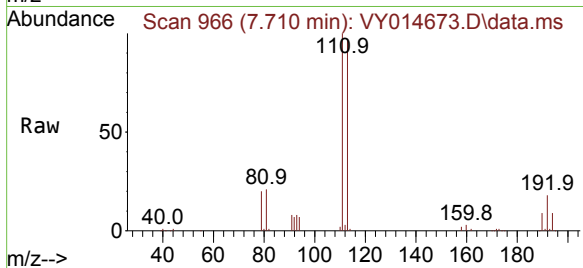




#35
Dibromofluoromethane
Concen: 50.021 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

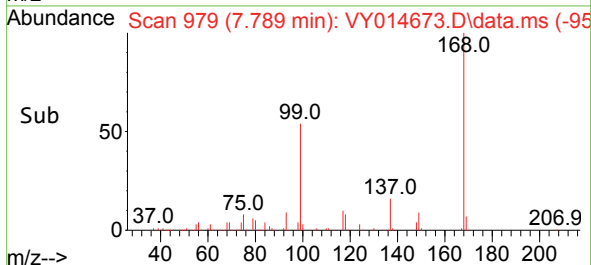
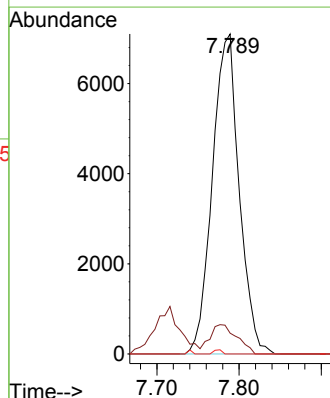
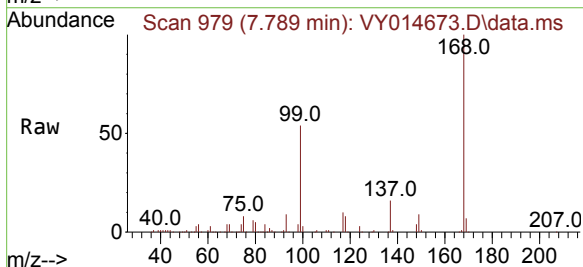
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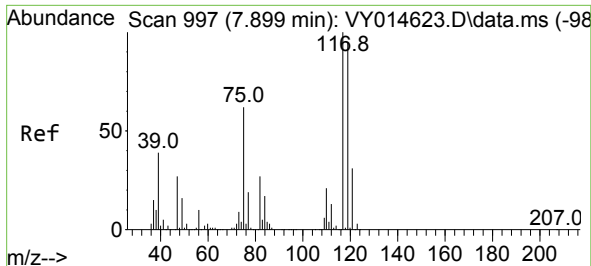
Tgt Ion:113 Resp: 110452
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

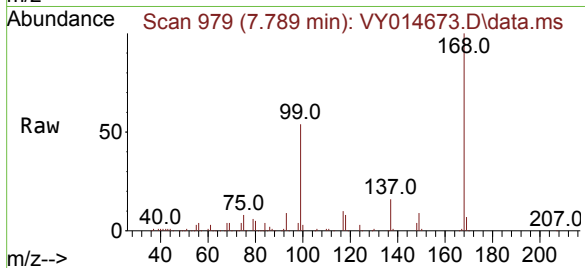
Tgt Ion: 75 Resp: 16082
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.4 24.4 36.6#



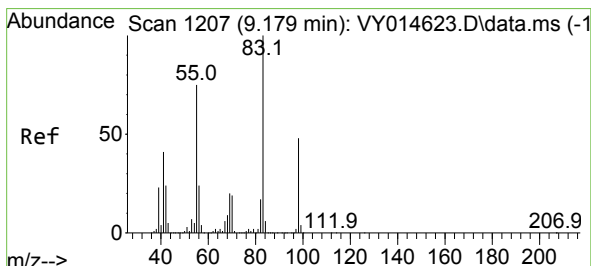
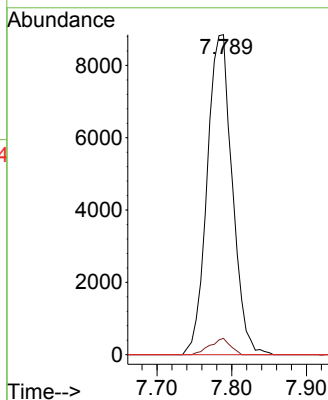
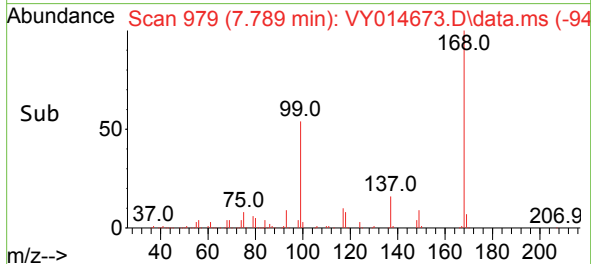


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

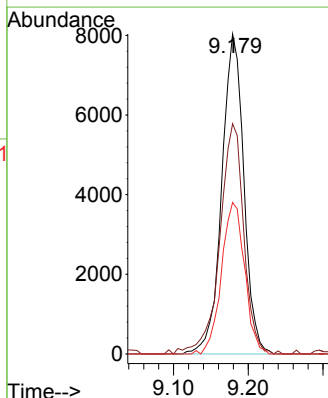
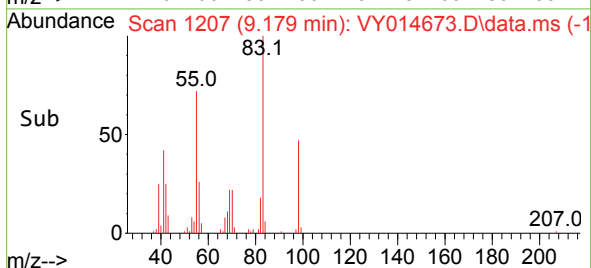
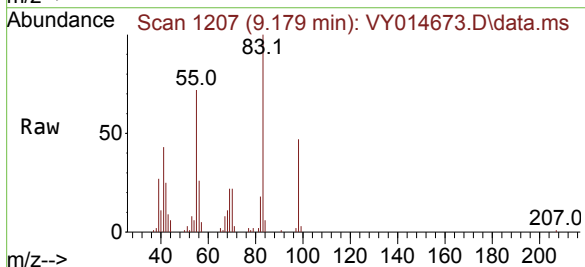


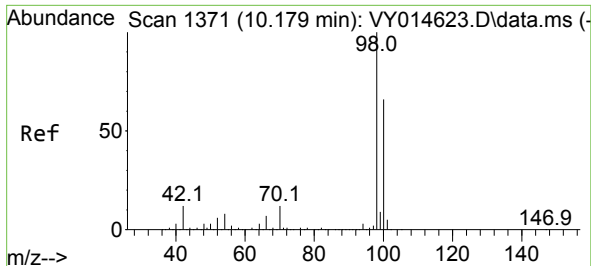
Tgt Ion:117 Resp: 20678
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 3.832 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 83 Resp: 16484
Ion Ratio Lower Upper
83 100
55 71.0 63.0 94.4
98 47.3 37.4 56.2

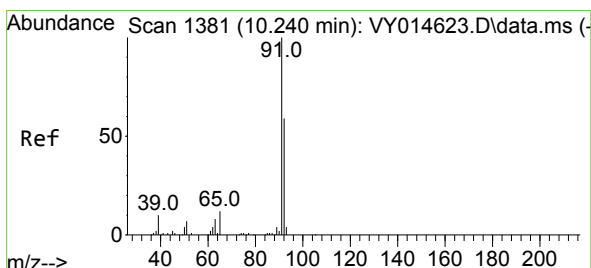
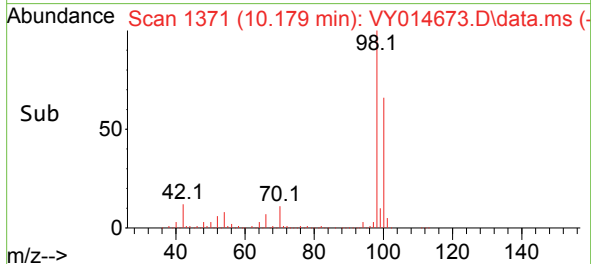
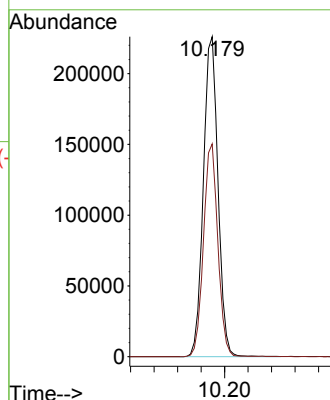
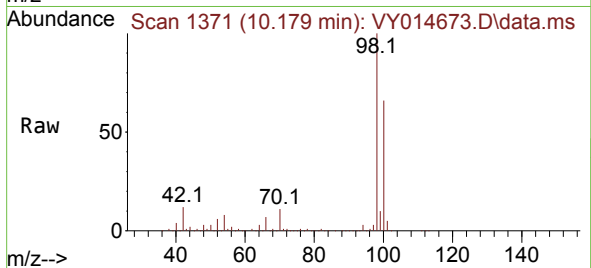




#50
Toluene-d8
Concen: 47.978 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

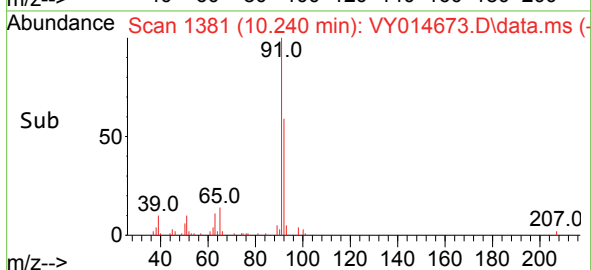
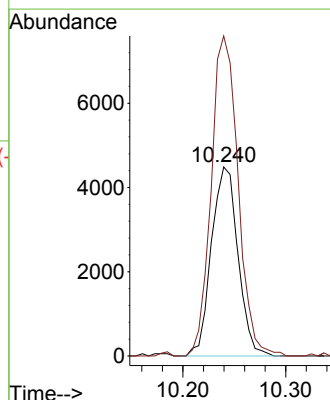
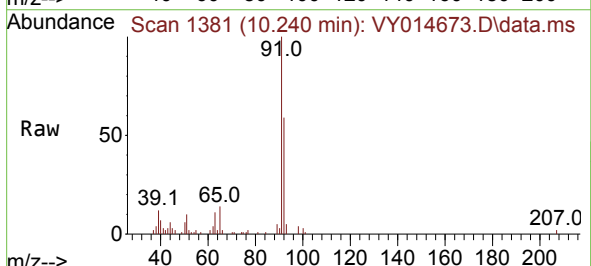
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

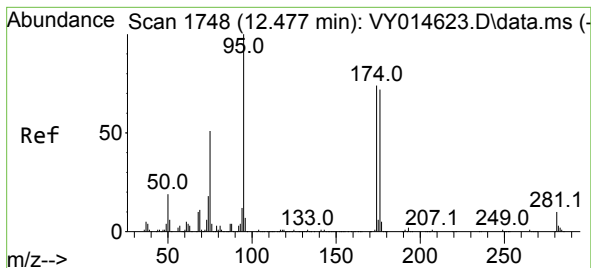
Tgt Ion: 98 Resp: 390580
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#52
Toluene
Concen: 1.339 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 92 Resp: 8044
Ion Ratio Lower Upper
92 100
91 171.5 143.8 215.6

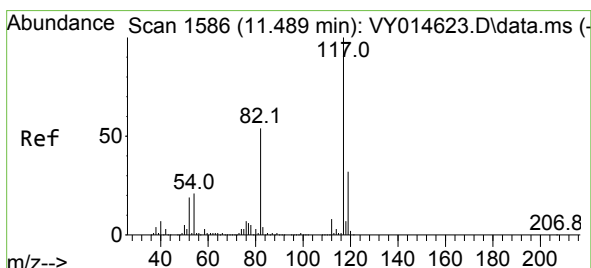
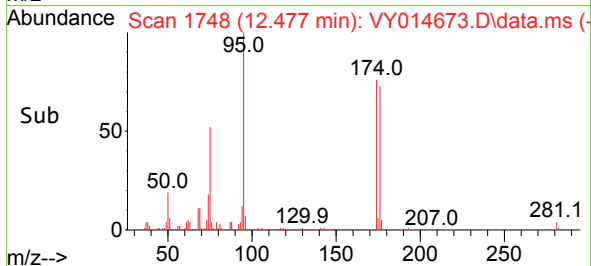
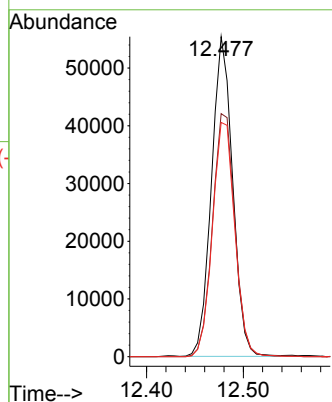
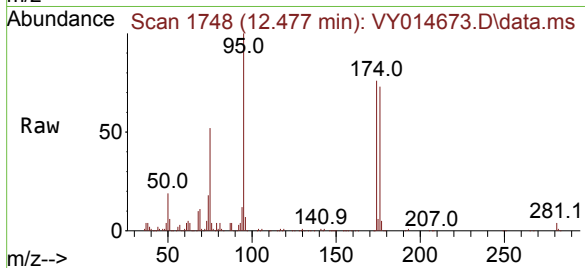




#62
4-Bromofluorobenzene
Concen: 26.943 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

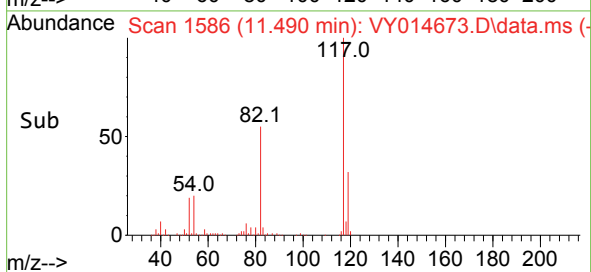
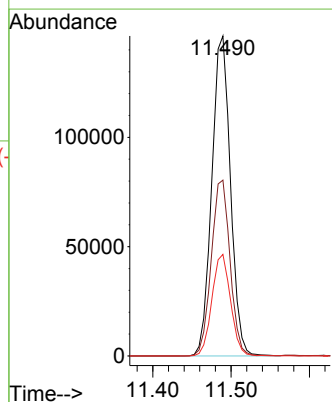
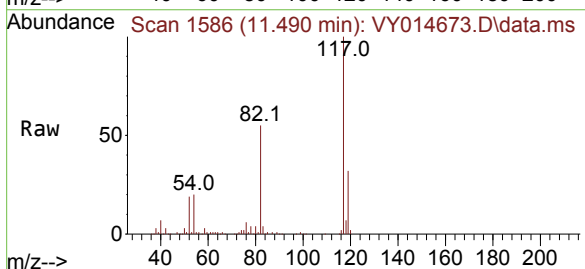
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

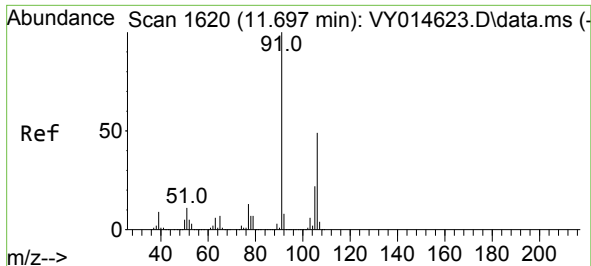
Tgt Ion: 95 Resp: 84103
Ion Ratio Lower Upper
95 100
174 80.7 0.0 178.2
176 77.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 117 Resp: 242002
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 31.8 26.3 39.5

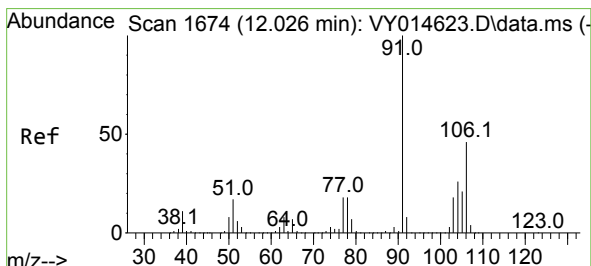
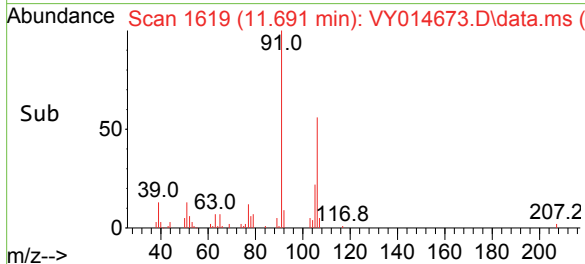
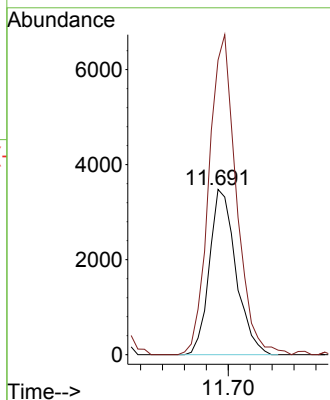
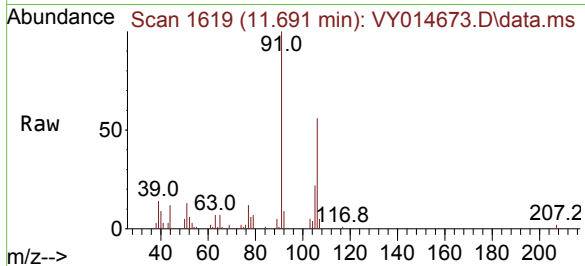




#68
m/p-Xylenes
Concen: 1.644 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

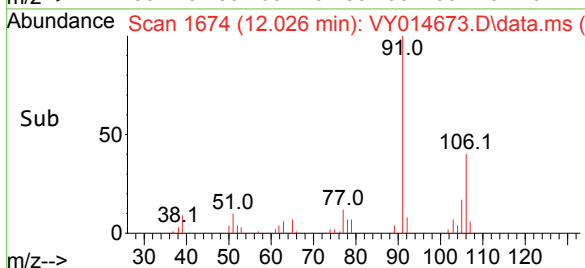
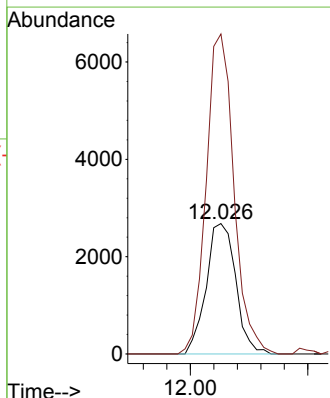
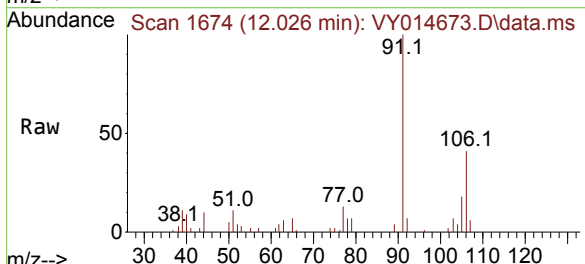
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

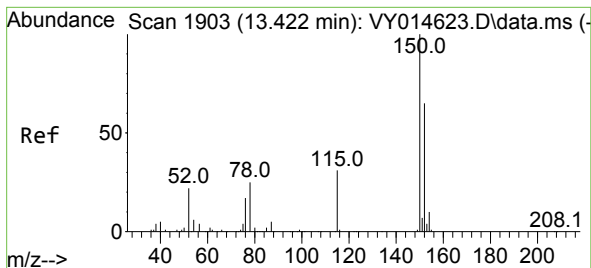
Tgt Ion:106 Resp: 5844
Ion Ratio Lower Upper
106 100
91 200.0 166.1 249.1



#69
o-Xylene
Concen: 1.351 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion:106 Resp: 4678
Ion Ratio Lower Upper
106 100
91 230.6 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014673.D

Acq: 17 Jul 2023 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-01-(2-4)RE

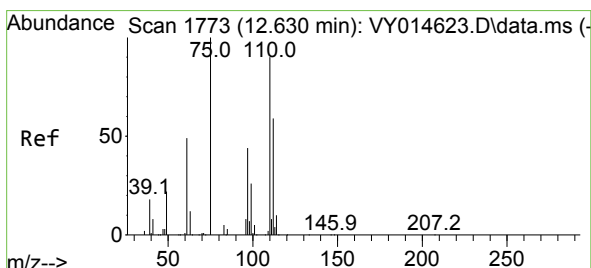
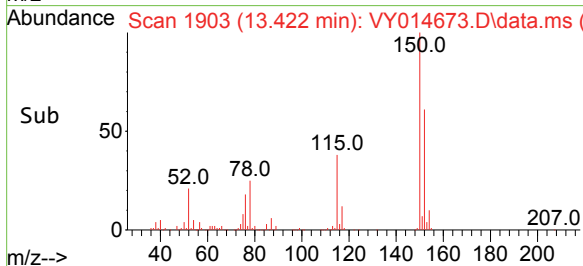
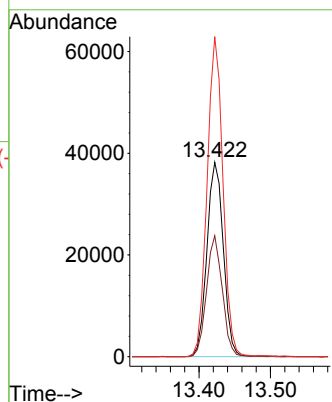
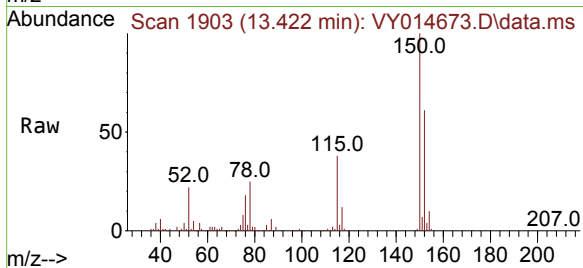
Tgt Ion:152 Resp: 61052

Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 158.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 55.991 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014673.D

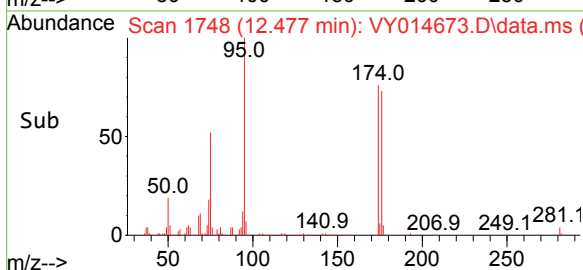
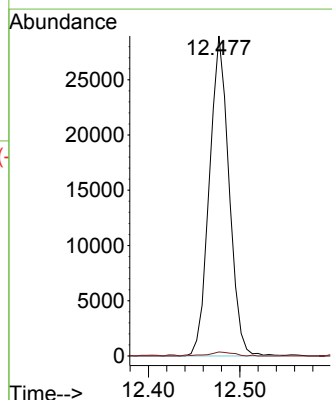
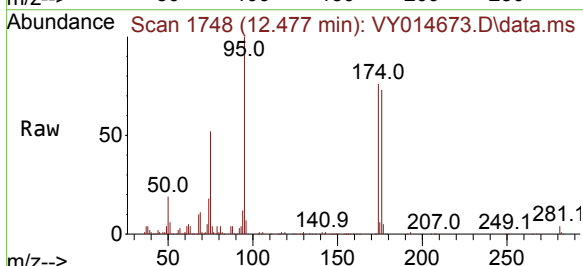
Acq: 17 Jul 2023 15:31

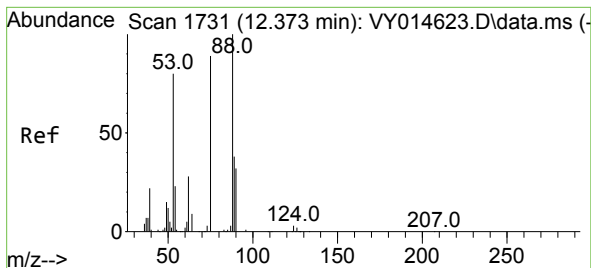
Tgt Ion: 75 Resp: 43173

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

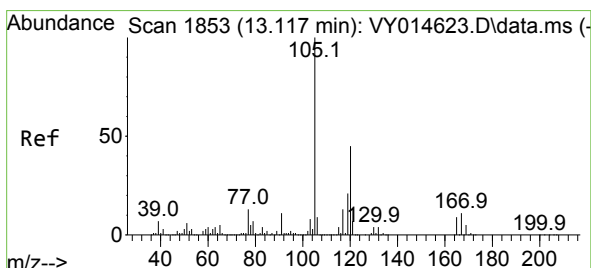
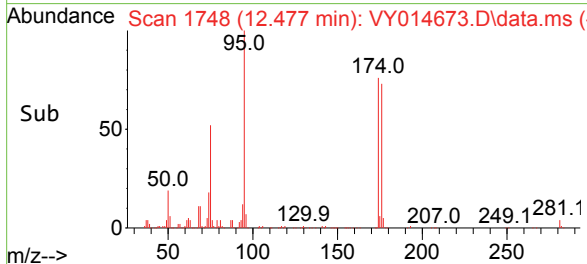
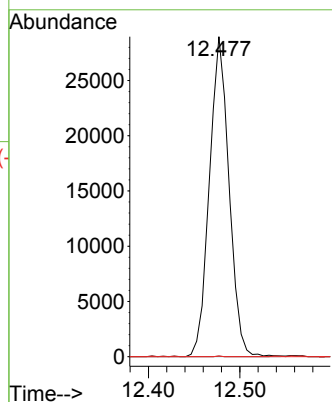
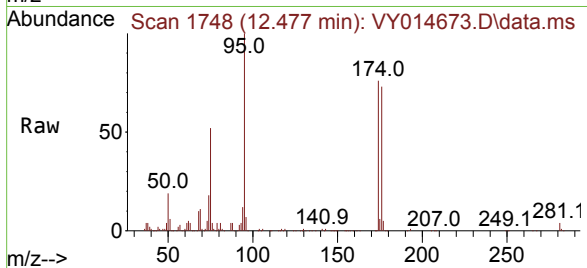




#81
trans-1,4-Dichloro-2-butene
Concen: 108.409 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-01-(2-4)RE

Tgt Ion: 75 Resp: 43173
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: 1.428 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014673.D
Acq: 17 Jul 2023 15:31

Tgt Ion: 105 Resp: 5595
Ion Ratio Lower Upper
105 100
120 43.4 22.2 66.6

