

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014674.D
 Acq On : 17 Jul 2023 15:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 18 06:10:59 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)

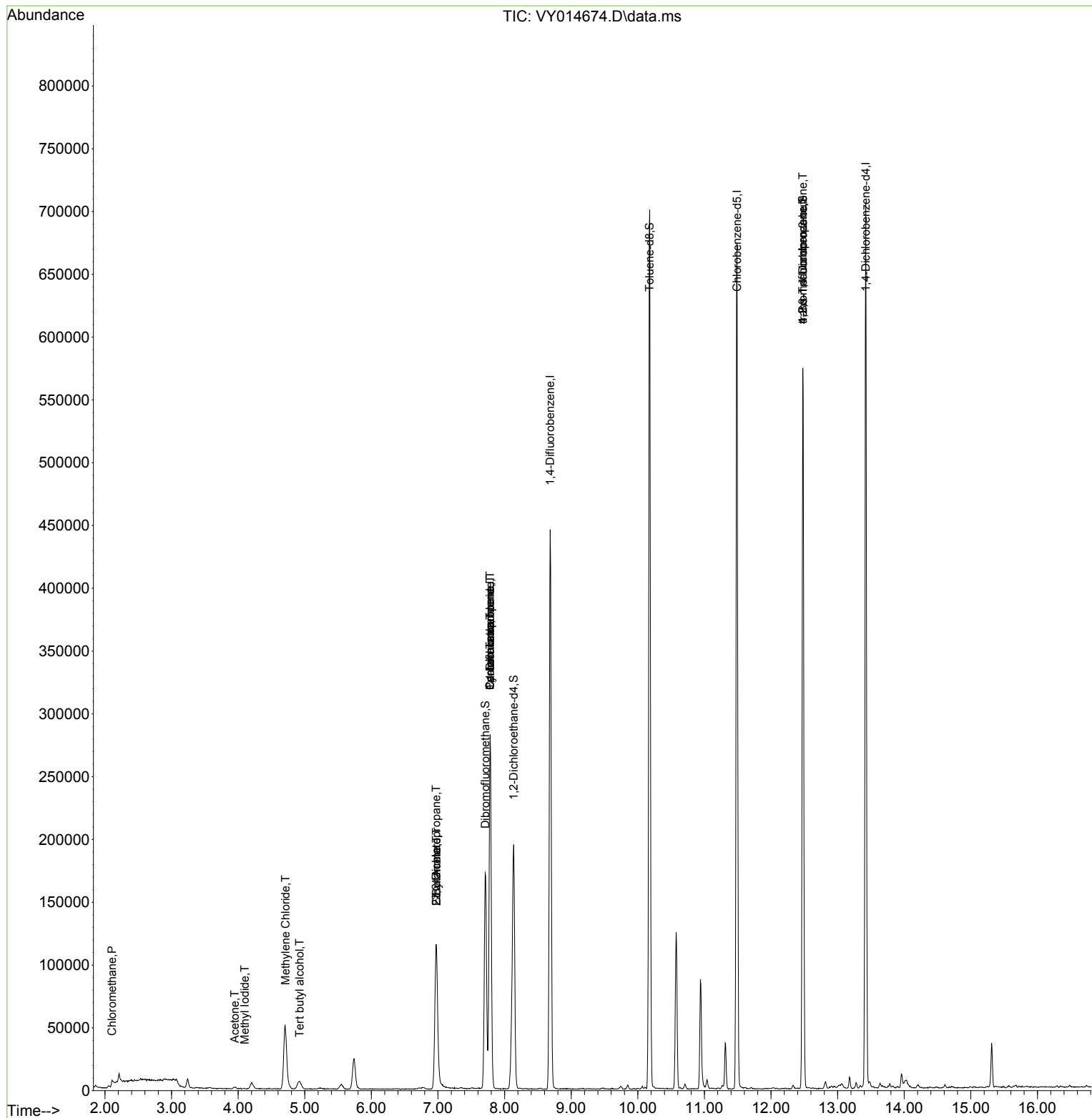
Internal Standards						
1) Pentafluorobenzene	7.783	168	219772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	393089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134614	53.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.500%	
35) Dibromofluoromethane	7.710	113	124022	49.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.120%	
50) Toluene-d8	10.179	98	462726	50.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.477	95	174592	49.356	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	2172	1.079	ug/l	97
10) Methyl Iodide	4.100	142	226	2.457	ug/l #	38
11) Tert butyl alcohol	4.923	59	7039	1.915	ug/l #	91
16) Acetone	3.948	43	2369	2.985	ug/l	99
20) Methylene Chloride	4.710	84	38339	11.630	ug/l	90
25) 2-Butanone	6.978	43	7100	6.115	ug/l #	76
26) 2,2-Dichloropropane	6.972	77	8359	1.962	ug/l #	54
31) Cyclohexane	7.783	56	4819	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16671	4.455	ug/l #	50
37) Ethyl Acetate	6.978	43	7100	2.756	ug/l #	5
38) Carbon Tetrachloride	7.783	117	21807	5.513	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	92092	41.530	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92092	80.410	ug/l #	11

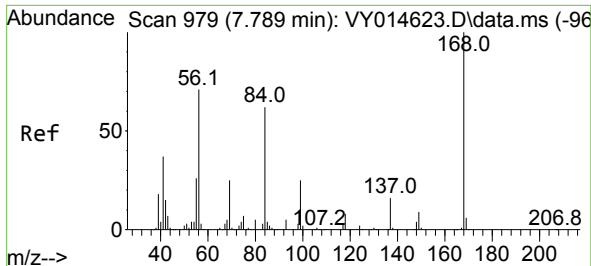
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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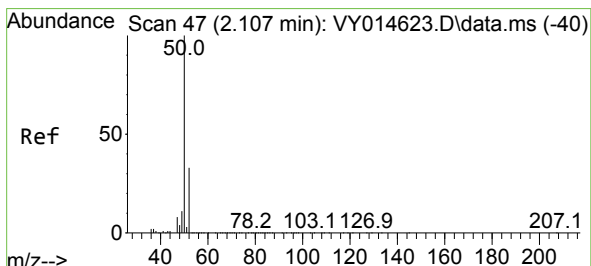
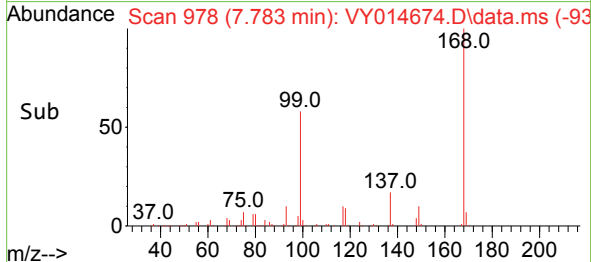
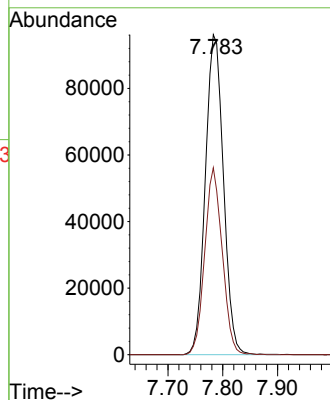
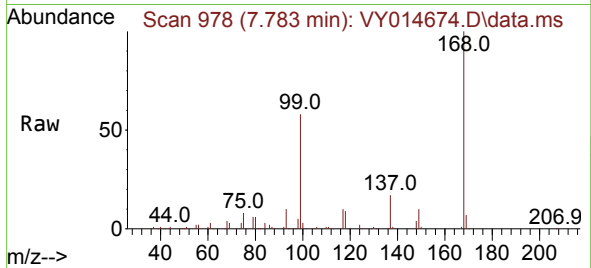




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

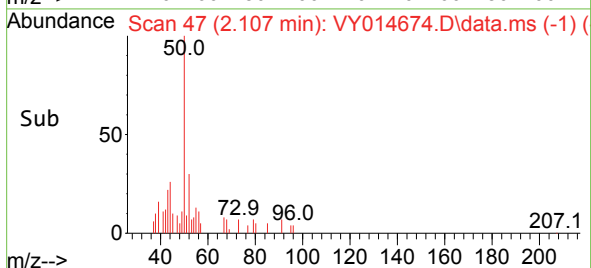
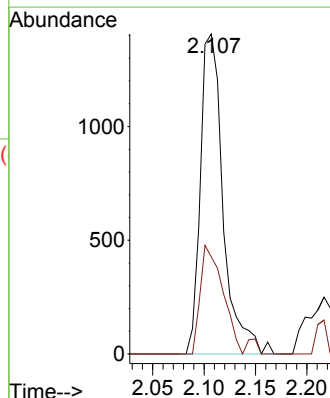
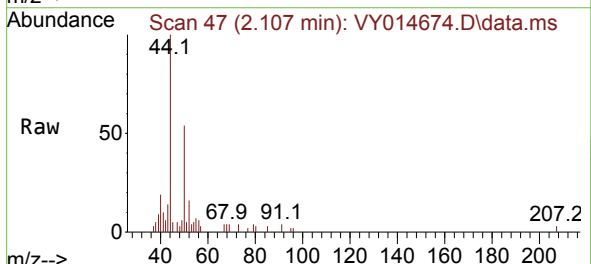
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

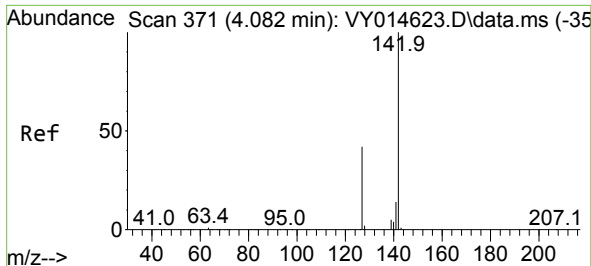
Tgt Ion:168 Resp: 219772
Ion Ratio Lower Upper
168 100
99 58.4 43.4 65.0



#3
Chloromethane
Concen: 1.079 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 50 Resp: 2172
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.2





#10

Methyl Iodide

Concen: 2.457 ug/l

RT: 4.100 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY014674.D

Acq: 17 Jul 2023 15:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

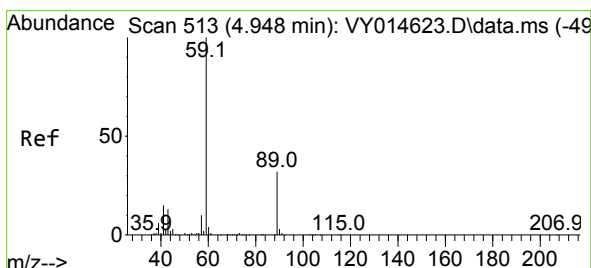
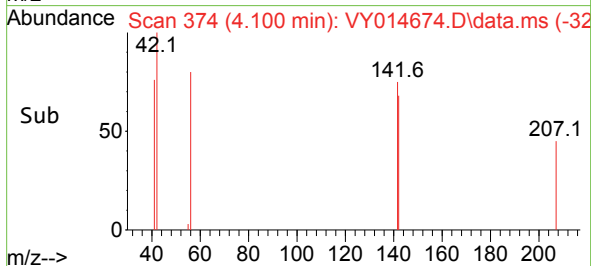
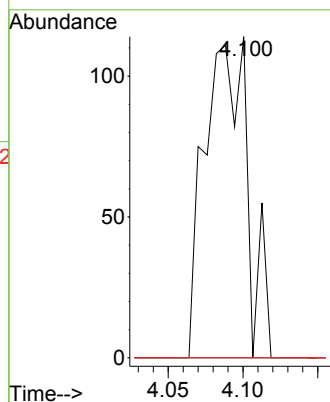
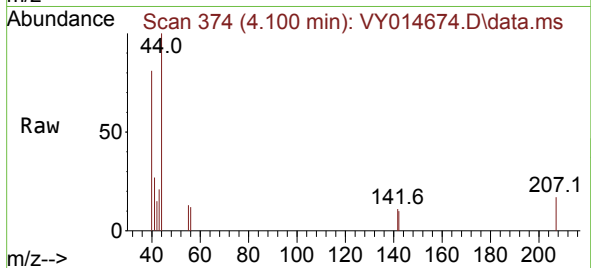
Tgt Ion:142 Resp: 226

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#11

Tert butyl alcohol

Concen: 1.915 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.025 min

Lab File: VY014674.D

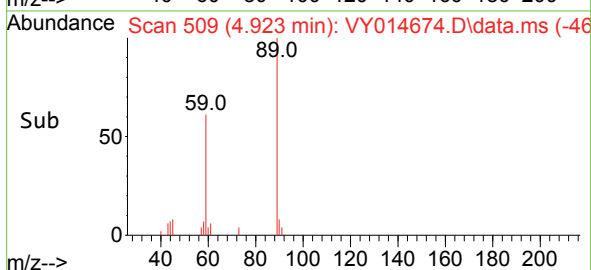
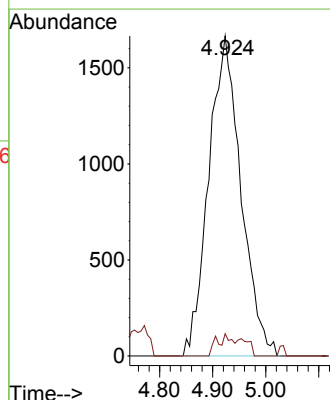
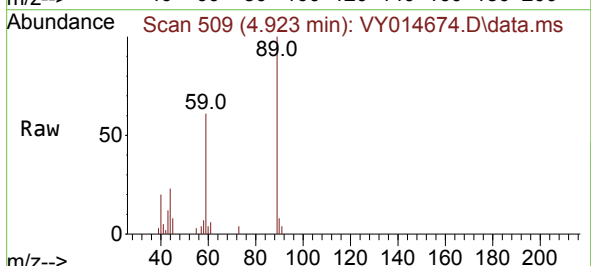
Acq: 17 Jul 2023 15:55

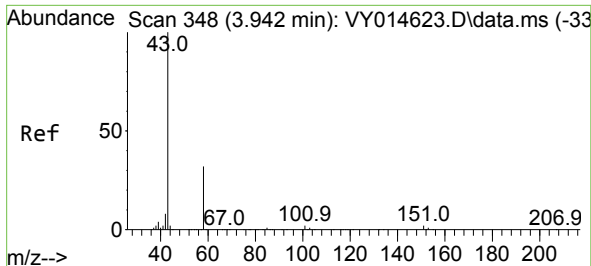
Tgt Ion: 59 Resp: 7039

Ion Ratio Lower Upper

59 100

57 0.9 3.0 4.4#

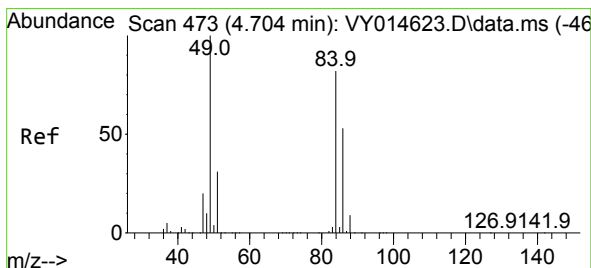
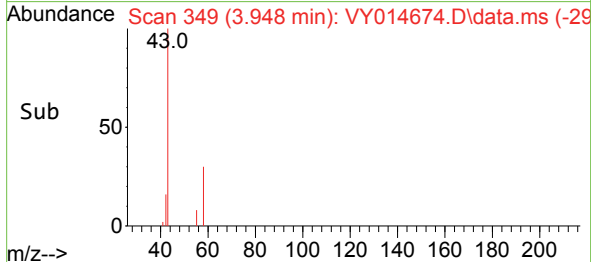
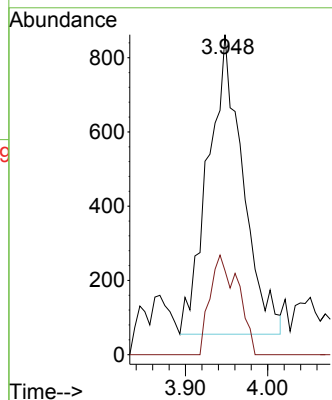
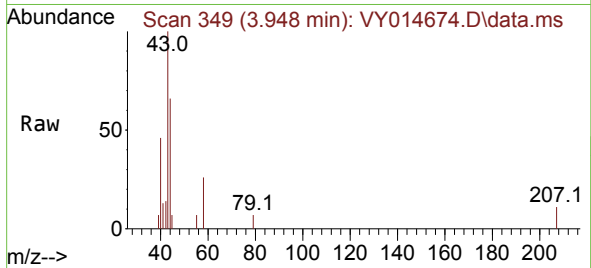




#16
Acetone
Concen: 2.985 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

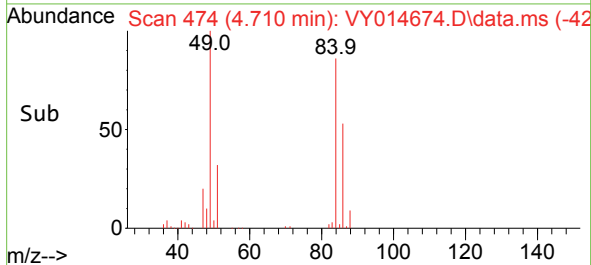
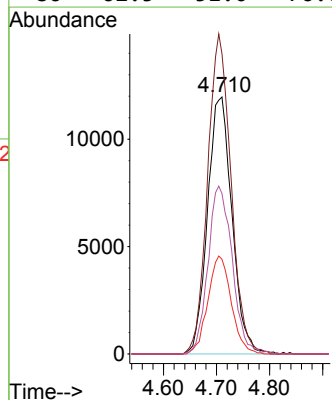
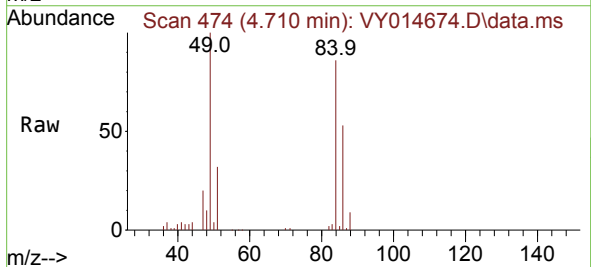
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

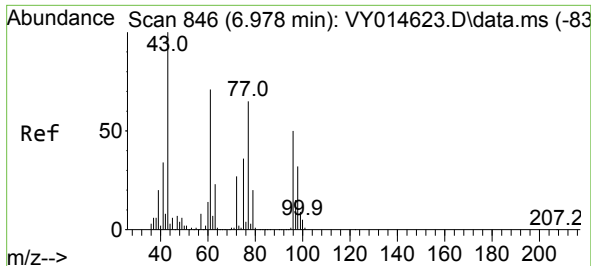
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



#20
Methylene Chloride
Concen: 11.630 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 84 Resp: 38339
Ion Ratio Lower Upper
84 100
49 116.9 106.9 160.3
51 36.8 33.2 49.8
86 62.5 51.0 76.6





#25

2-Butanone

Concen: 6.115 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014674.D

Acq: 17 Jul 2023 15:55

Instrument :

MSVOA_Y

ClientSampleId :

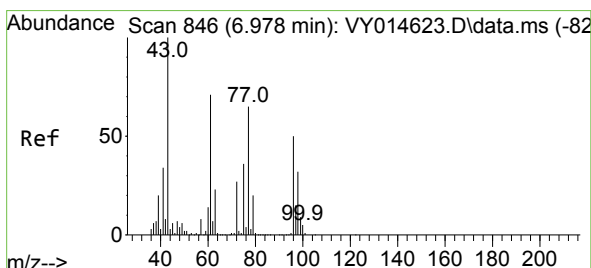
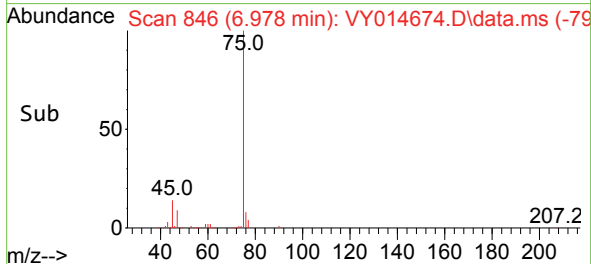
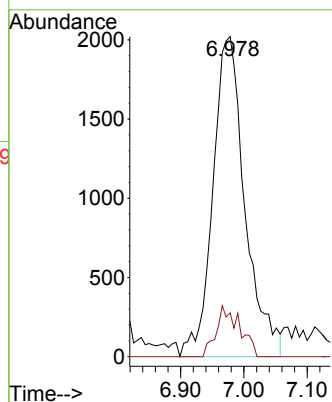
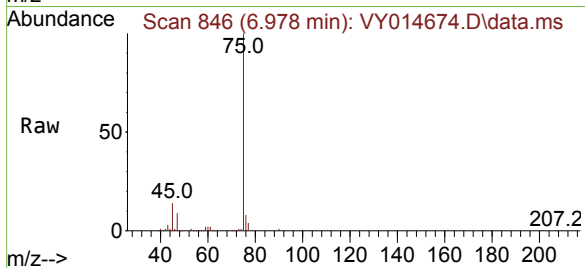
VIBLK

Tgt Ion: 43 Resp: 7100

Ion Ratio Lower Upper

43 100

72 13.7 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.962 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014674.D

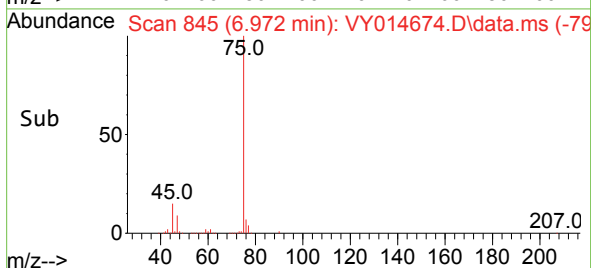
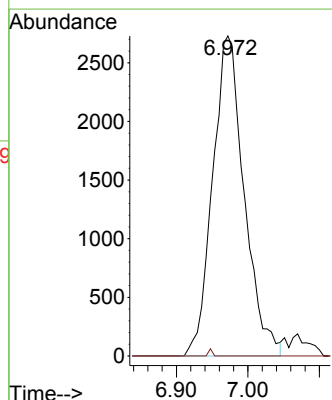
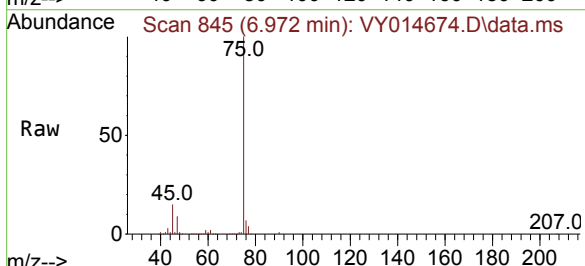
Acq: 17 Jul 2023 15:55

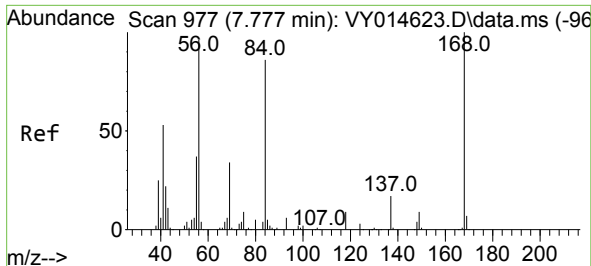
Tgt Ion: 77 Resp: 8359

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

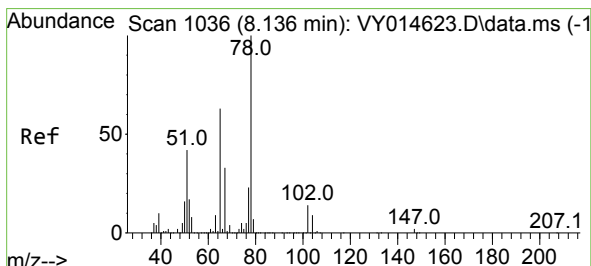
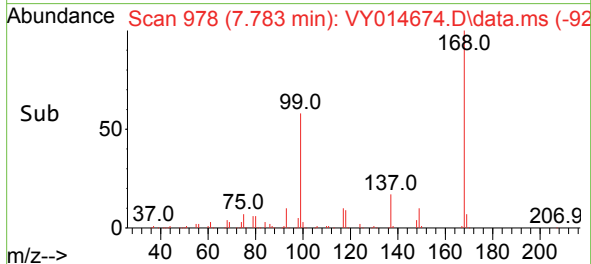
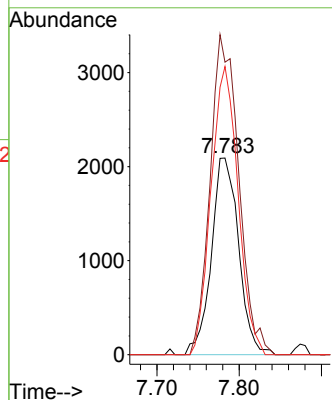
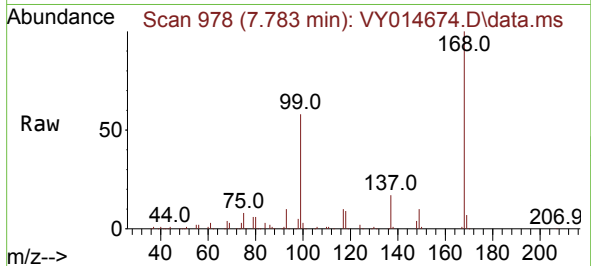




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

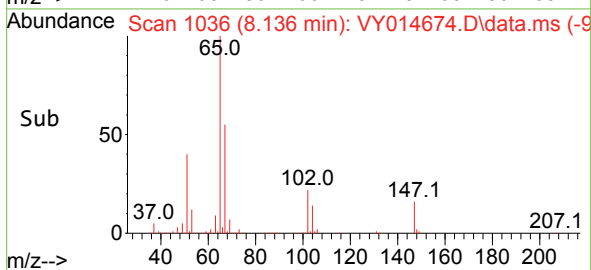
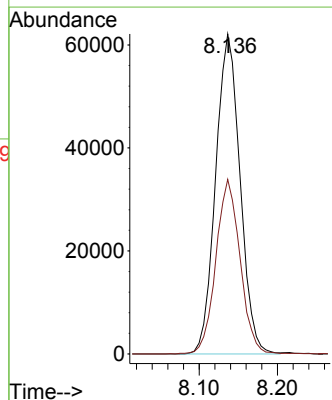
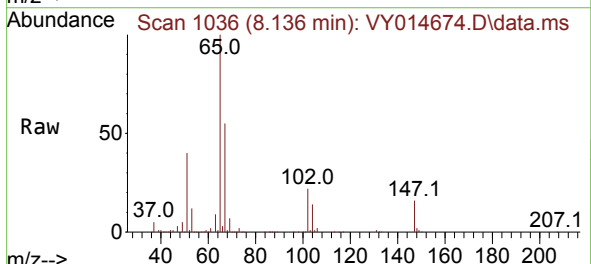
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

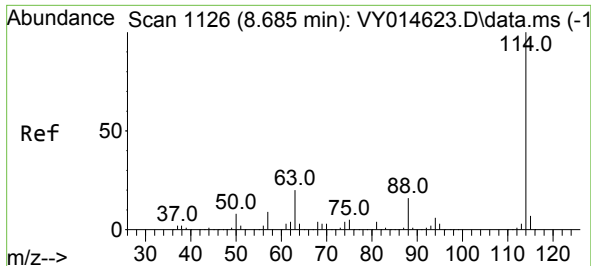
Tgt Ion: 56 Resp: 4819
Ion Ratio Lower Upper
56 100
69 148.7 27.8 41.6#
84 146.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.751 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 65 Resp: 134614
Ion Ratio Lower Upper
65 100
67 54.2 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: VY014674.D

Acq: 17 Jul 2023 15:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

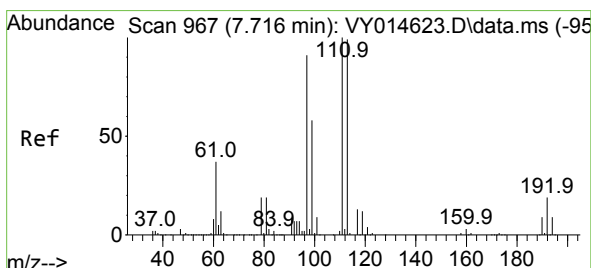
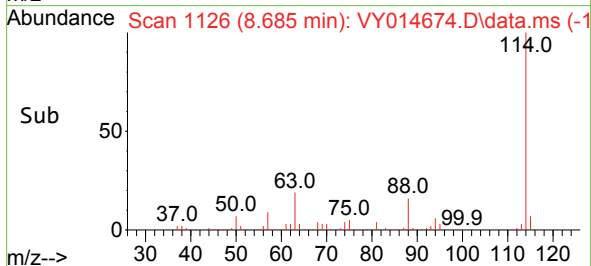
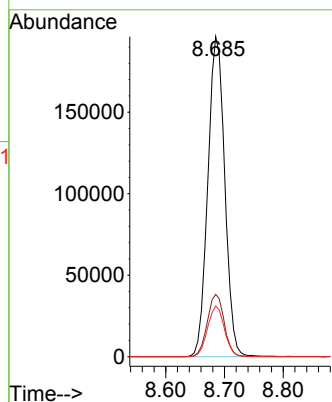
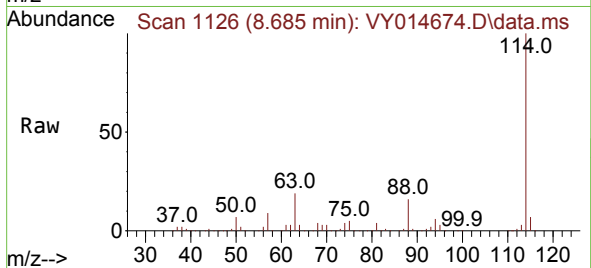
Tgt Ion:114 Resp: 393089

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.563 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014674.D

Acq: 17 Jul 2023 15:55

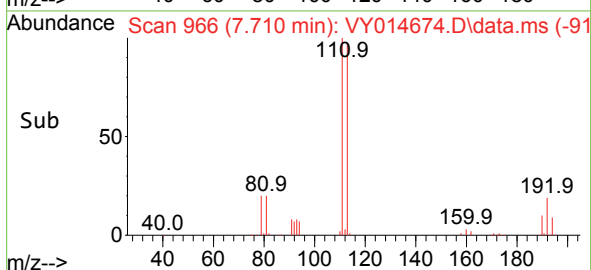
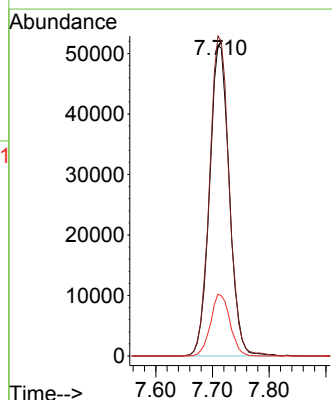
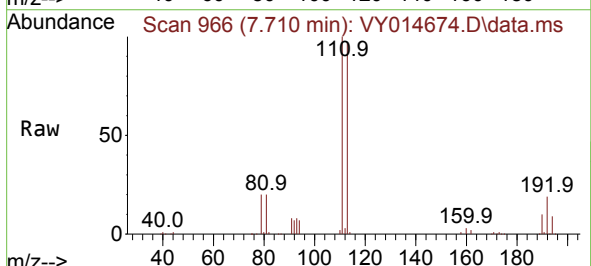
Tgt Ion:113 Resp: 124022

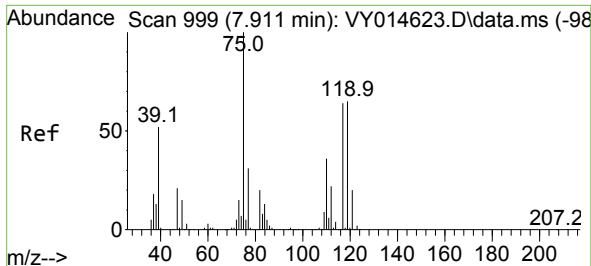
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.5 16.9 25.3

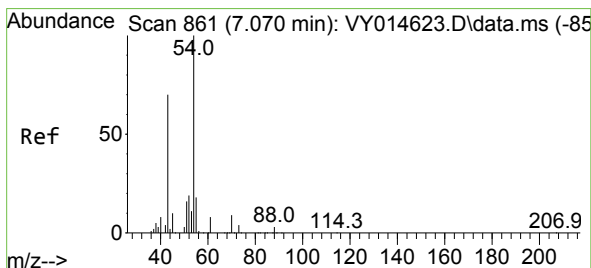
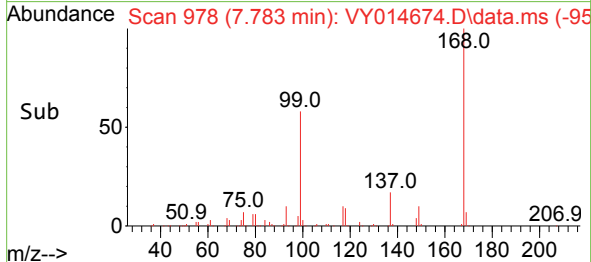
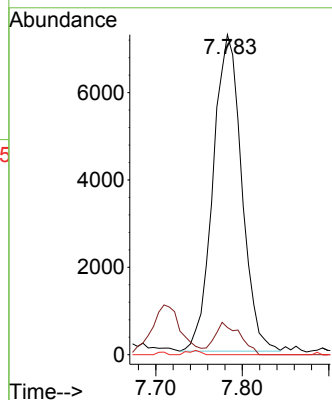
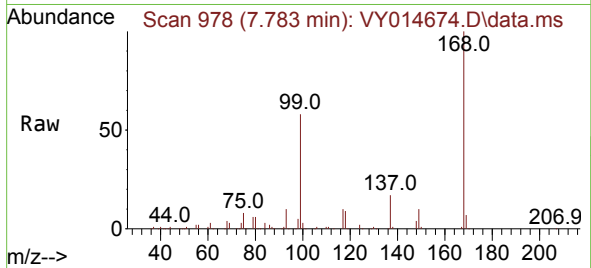




#36
1,1-Dichloropropene
Concen: 4.455 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

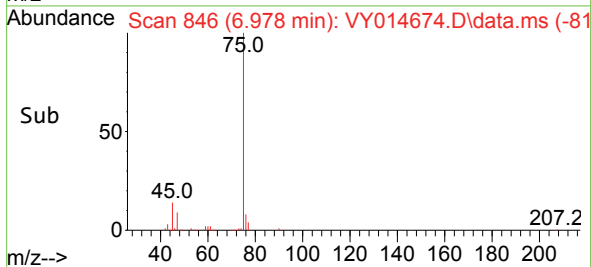
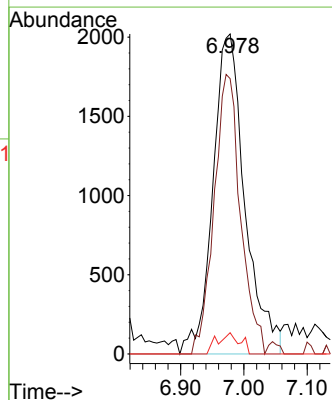
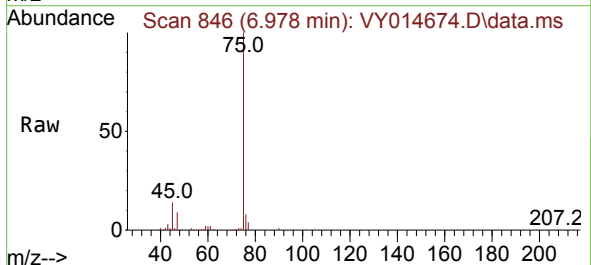
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

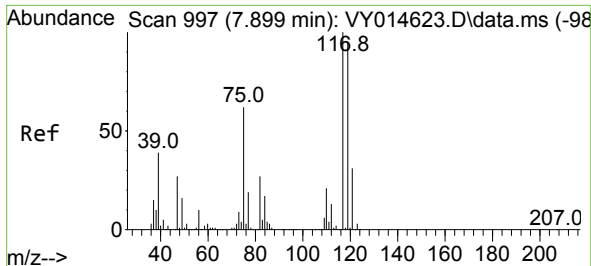
Tgt Ion: 75 Resp: 16671
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.756 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 43 Resp: 7100
Ion Ratio Lower Upper
43 100
61 72.3 10.1 15.1#
70 3.4 7.1 10.7#

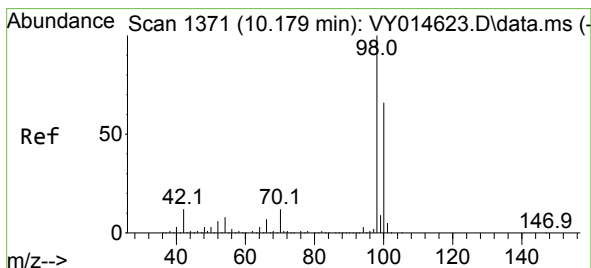
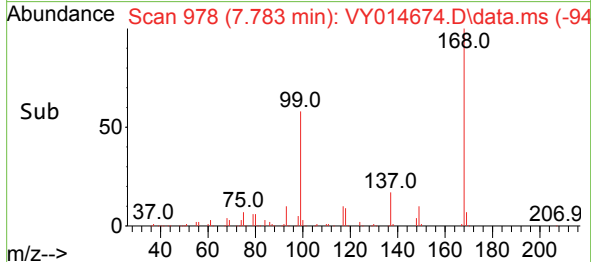
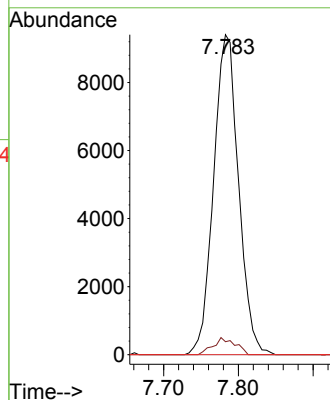
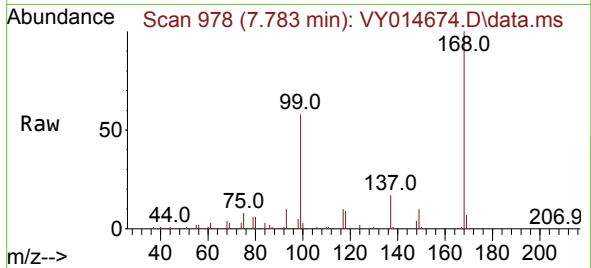




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

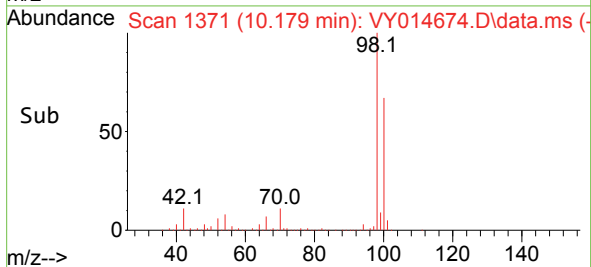
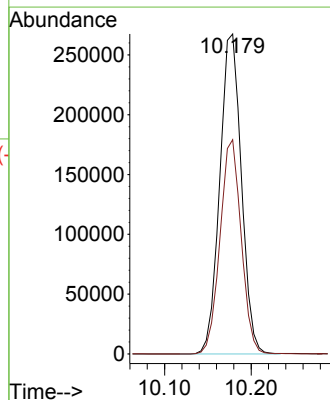
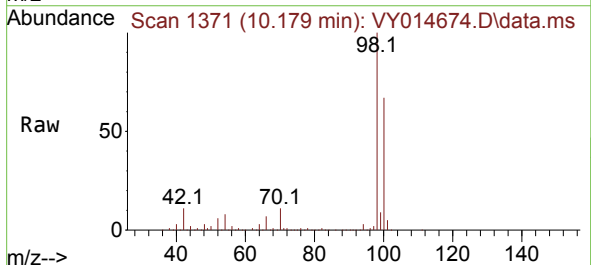
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

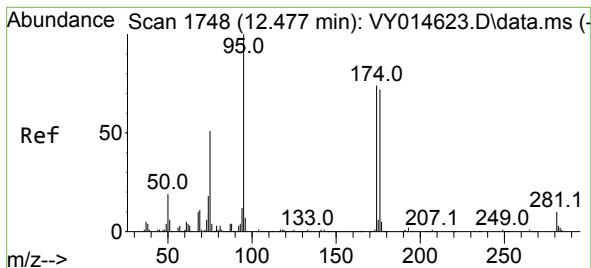
Tgt Ion:117 Resp: 21807
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.157 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 98 Resp: 462726
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1

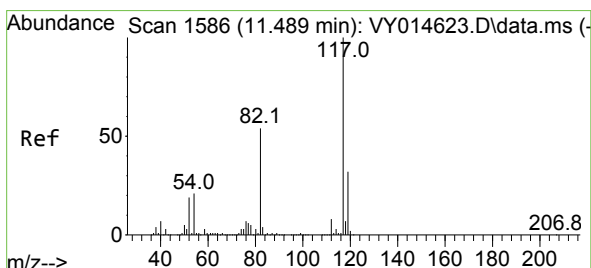
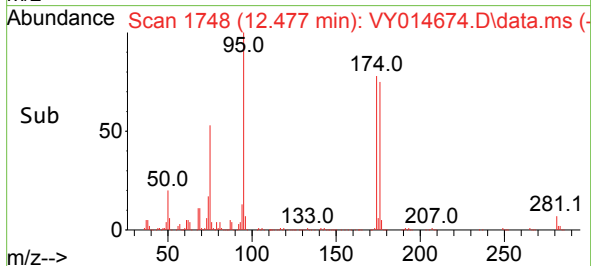
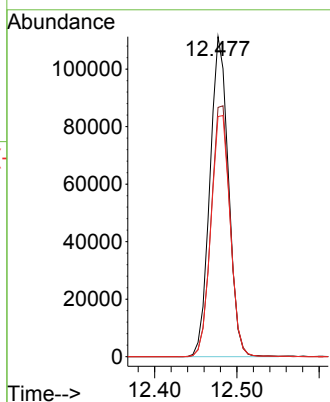
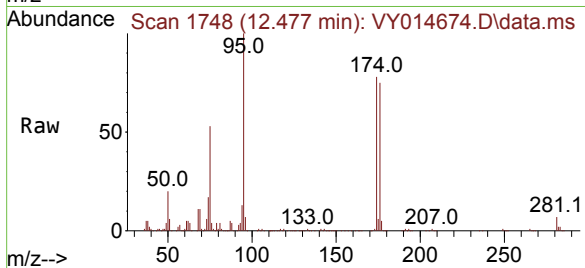




#62
4-Bromofluorobenzene
Concen: 49.356 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

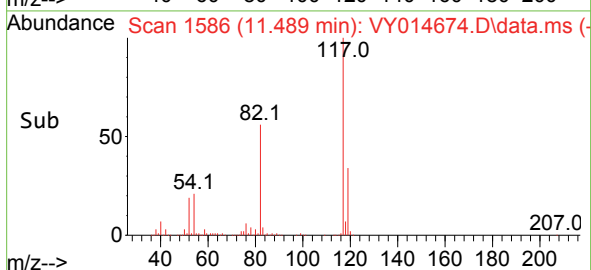
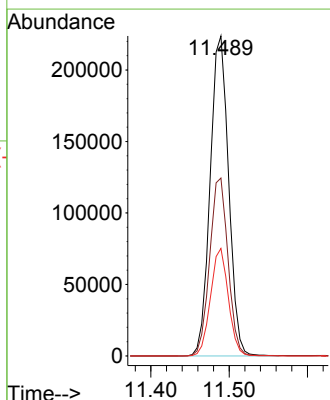
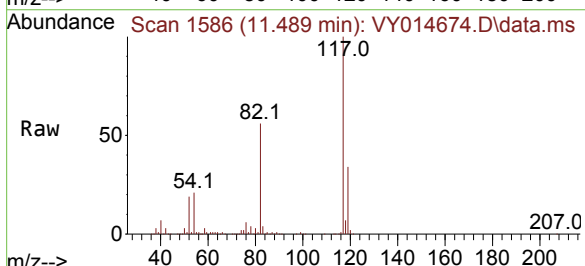
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

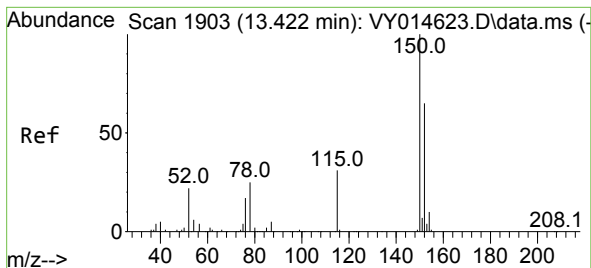
Tgt Ion: 95 Resp: 174592
Ion Ratio Lower Upper
95 100
174 80.0 0.0 178.2
176 78.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Tgt Ion: 117 Resp: 366355
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 33.6 26.3 39.5

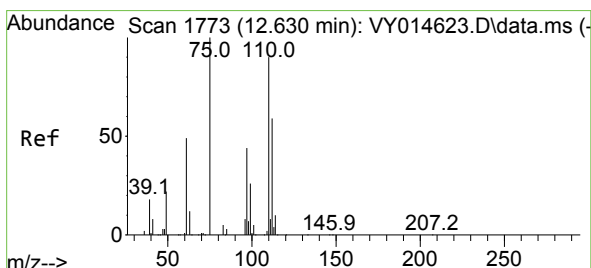
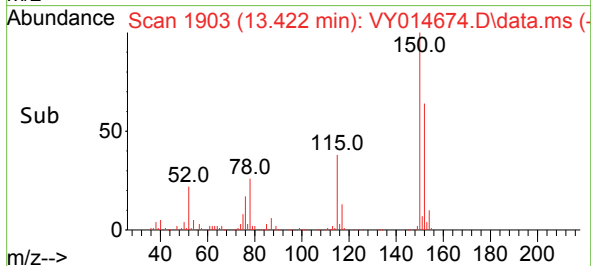
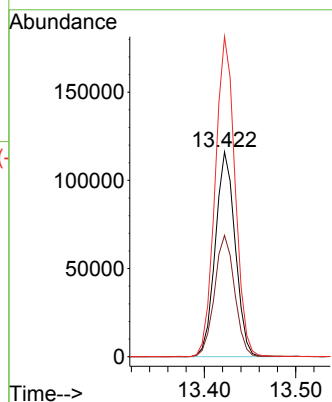
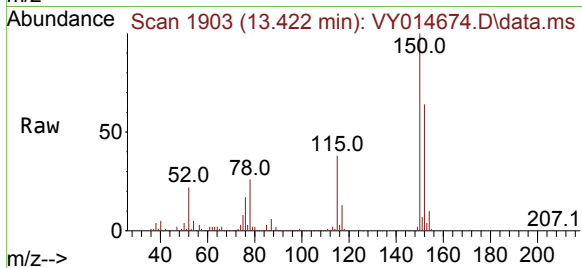




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY014674.D
 Acq: 17 Jul 2023 15:55

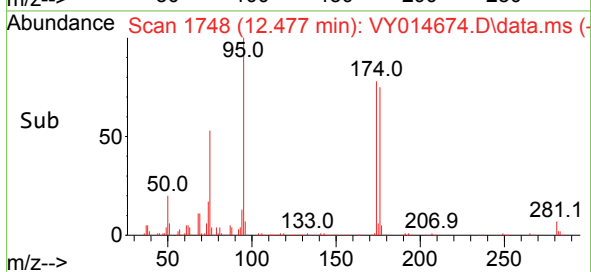
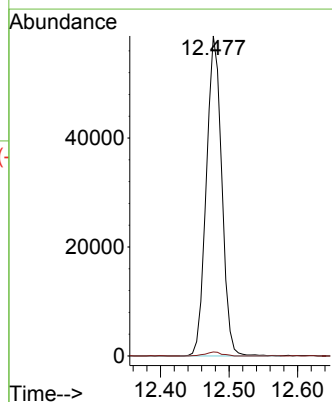
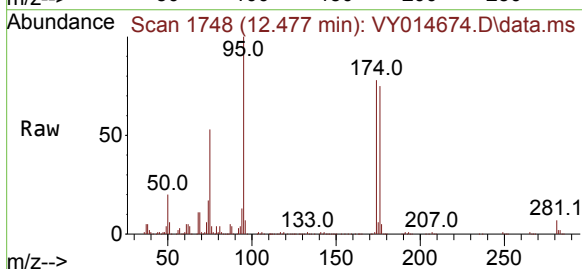
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

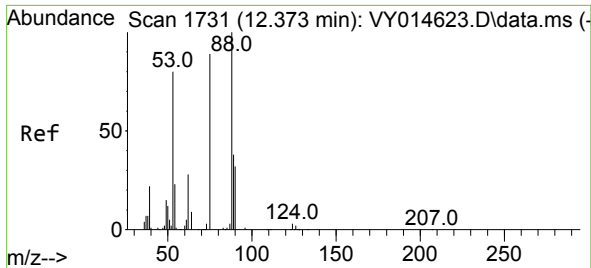
Tgt Ion:152 Resp: 175576
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.8 86.5
 150 156.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.530 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014674.D
 Acq: 17 Jul 2023 15:55

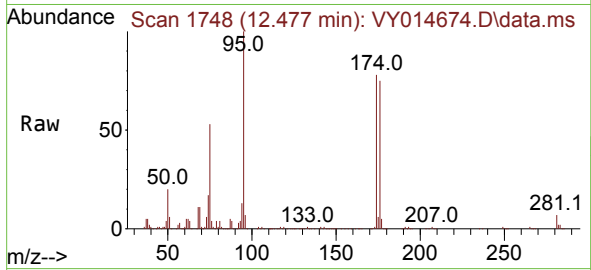
Tgt Ion: 75 Resp: 92092
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 80.410 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014674.D
Acq: 17 Jul 2023 15:55

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



Tgt Ion:	75	Resp:	92092
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

