

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014682.D
 Acq On : 17 Jul 2023 19:05
 Operator : SY/MD
 Sample : 03631-08
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11(3.5-4.5)

Quant Time: Jul 18 06:13:35 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)

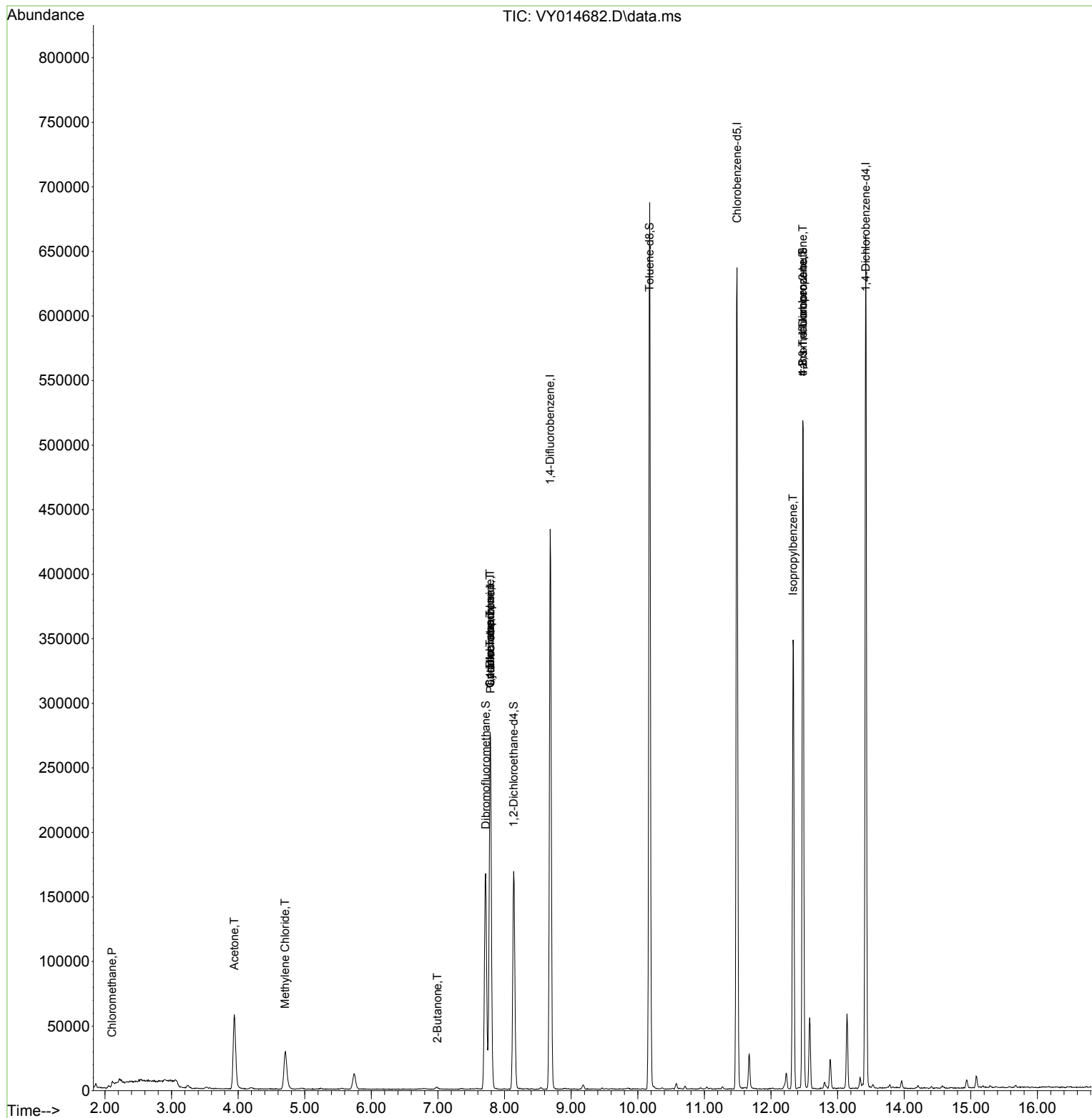
Internal Standards						
1) Pentafluorobenzene	7.789	168	215322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	349352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131862	53.741	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.480%		
35) Dibromofluoromethane	7.716	113	118819	49.710	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 99.420%		
50) Toluene-d8	10.179	98	447151	50.742	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.480%		
62) 4-Bromofluorobenzene	12.477	95	168929	49.994	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 99.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	2229	1.130	ug/l	97
11) Tert butyl alcohol	4.942	59	1542	Below Cal	#	92
16) Acetone	3.942	43	99239	127.632	ug/l	91
20) Methylene Chloride	4.704	84	22217	4.995	ug/l	89
25) 2-Butanone	6.990	43	1528	1.343	ug/l #	49
31) Cyclohexane	7.783	56	4849	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16823	4.706	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22140	5.859	ug/l #	16
73) Isopropylbenzene	12.331	105	15018	1.163	ug/l #	56
76) 1,2,3-Trichloropropane	12.477	75	87307	41.929	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87307	81.183	ug/l #	10

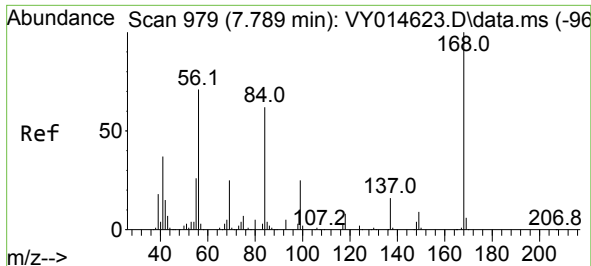
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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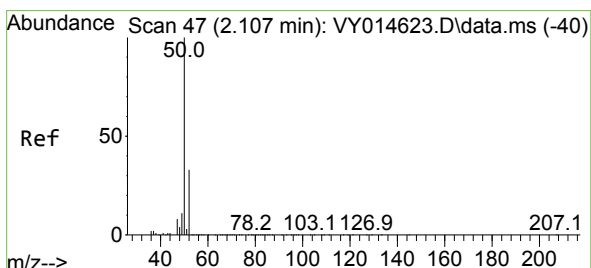
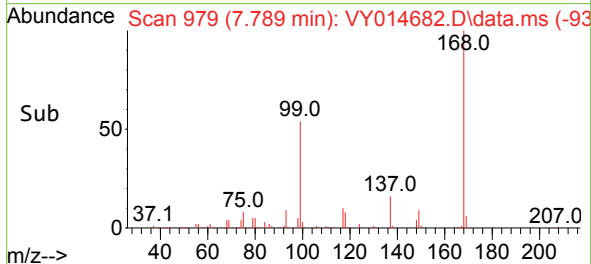
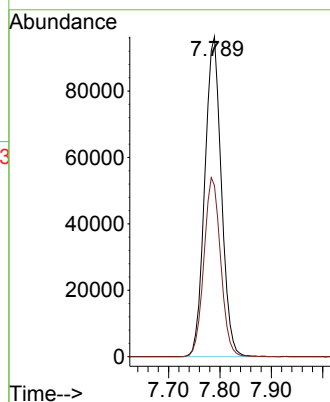
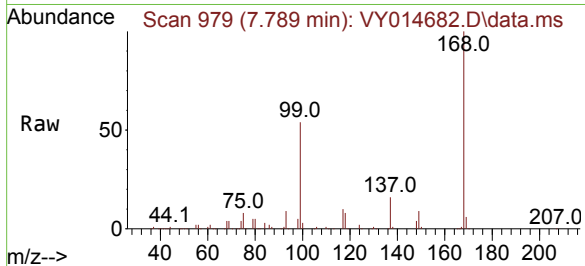




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

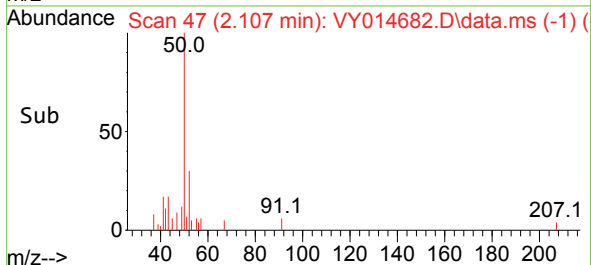
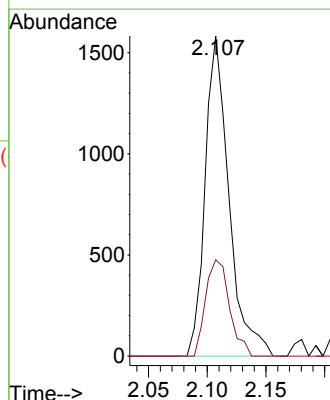
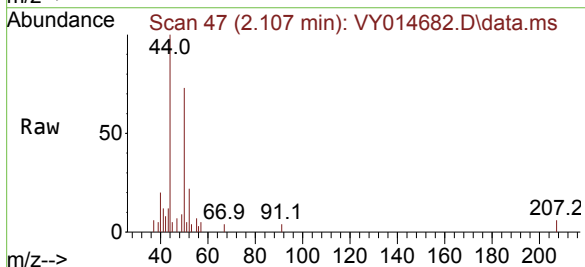
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(3.5-4.5)

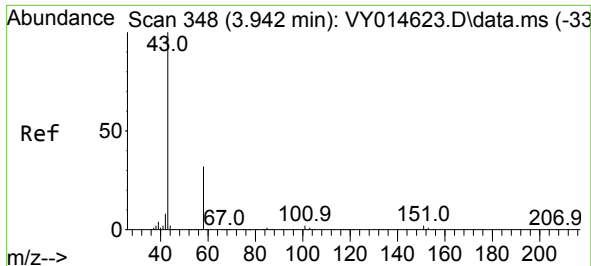
Tgt Ion:168 Resp: 215322
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#3
Chloromethane
Concen: 1.130 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Tgt Ion: 50 Resp: 2229
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.2





#16

Acetone

Concen: 127.632 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY014682.D

Acq: 17 Jul 2023 19:05

Instrument :

MSVOA_Y

ClientSampleId :

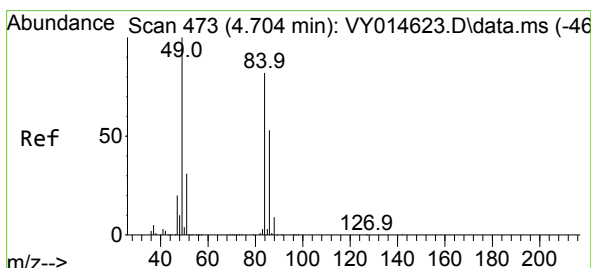
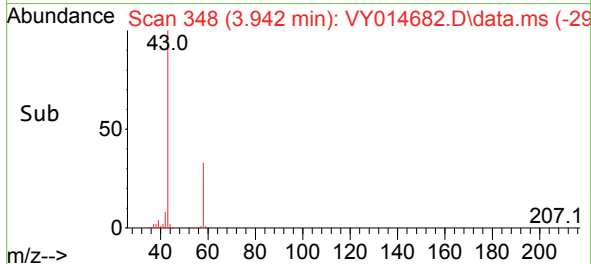
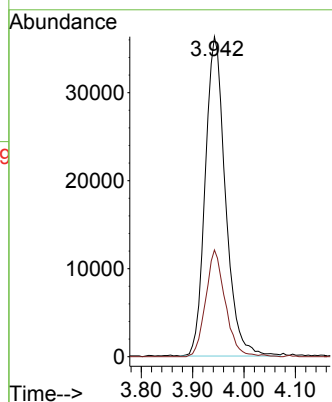
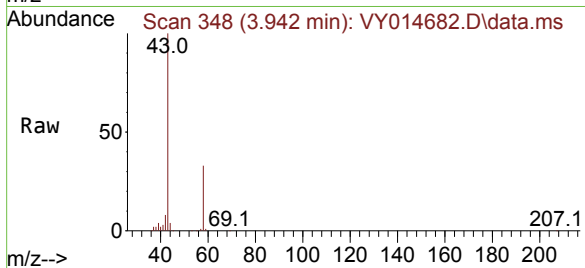
SB-11(3.5-4.5)

Tgt Ion: 43 Resp: 99239

Ion Ratio Lower Upper

43 100

58 33.4 22.7 34.1



#20

Methylene Chloride

Concen: 4.995 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014682.D

Acq: 17 Jul 2023 19:05

Tgt Ion: 84 Resp: 22217

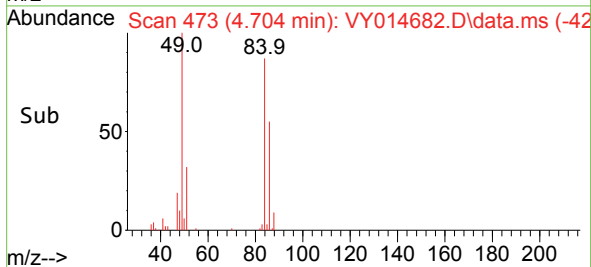
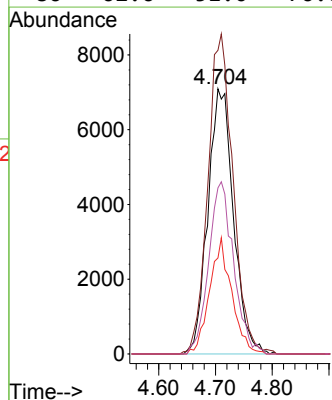
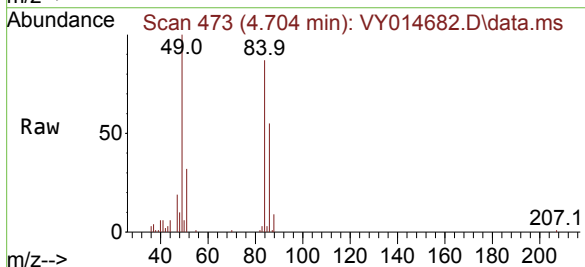
Ion Ratio Lower Upper

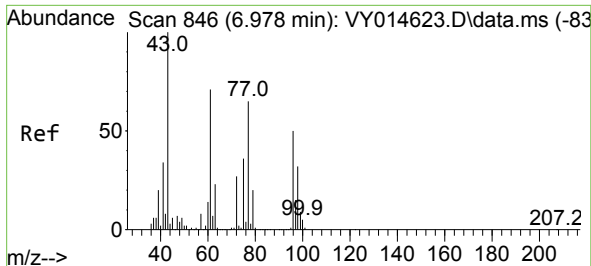
84 100

49 114.5 106.9 160.3

51 36.2 33.2 49.8

86 62.6 51.0 76.6

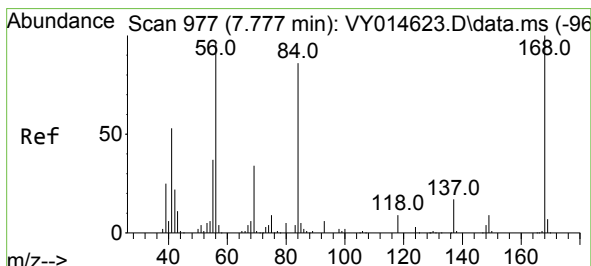
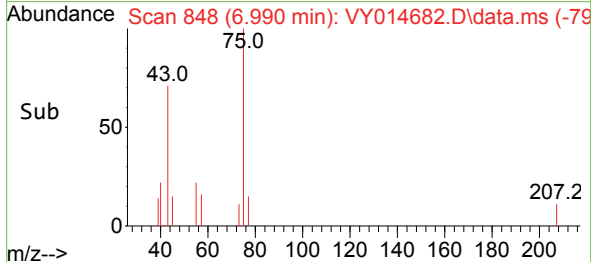
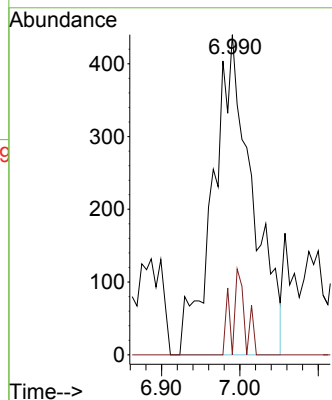
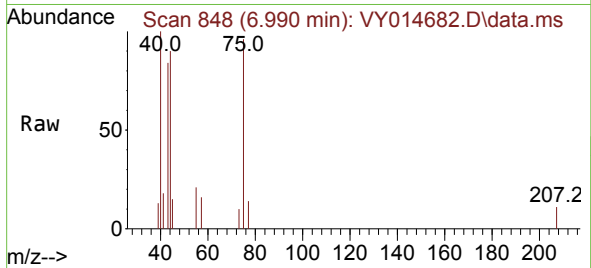




#25
2-Butanone
Concen: 1.343 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

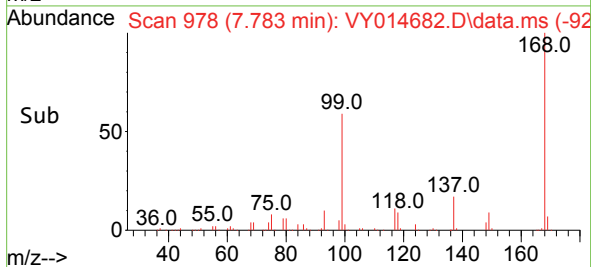
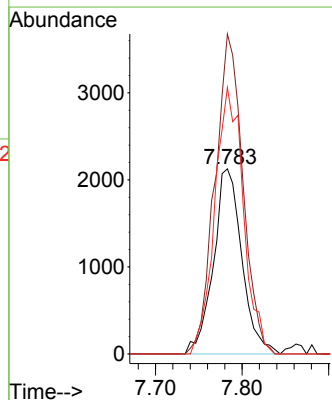
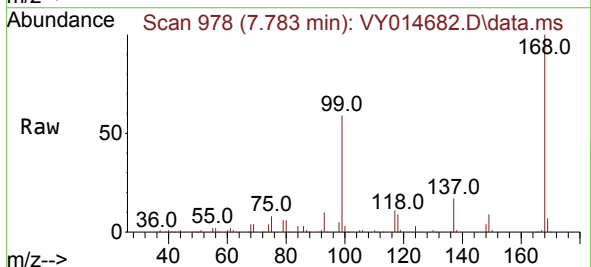
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(3.5-4.5)

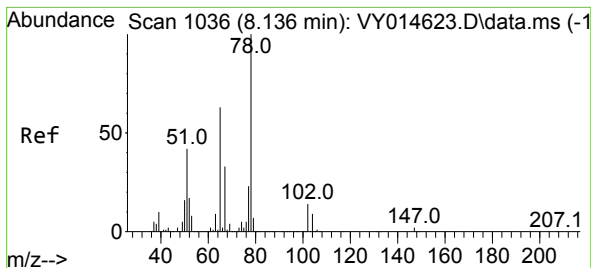
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Tgt Ion: 56 Resp: 4849
Ion Ratio Lower Upper
56 100
69 172.8 27.8 41.6#
84 143.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.741 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014682.D

Acq: 17 Jul 2023 19:05

Instrument :

MSVOA_Y

ClientSampleId :

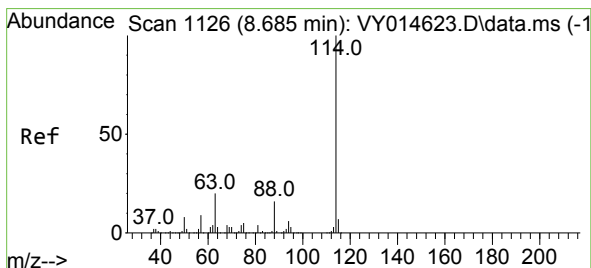
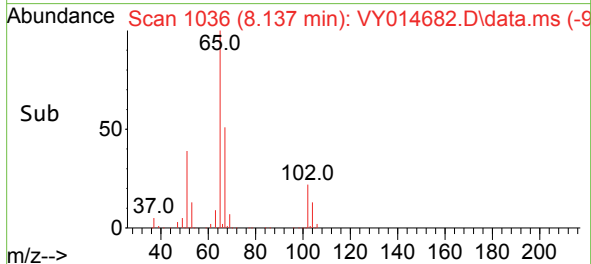
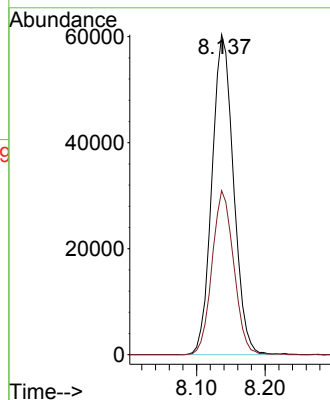
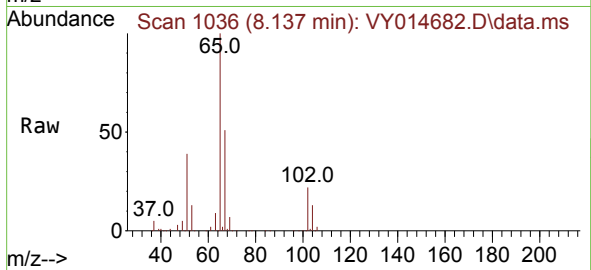
SB-11(3.5-4.5)

Tgt Ion: 65 Resp: 131862

Ion Ratio Lower Upper

65 100

67 51.5 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: VY014682.D

Acq: 17 Jul 2023 19:05

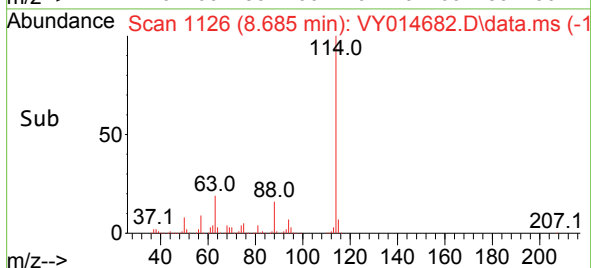
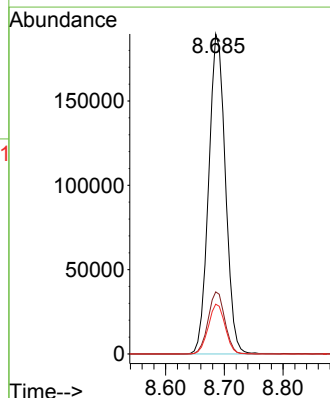
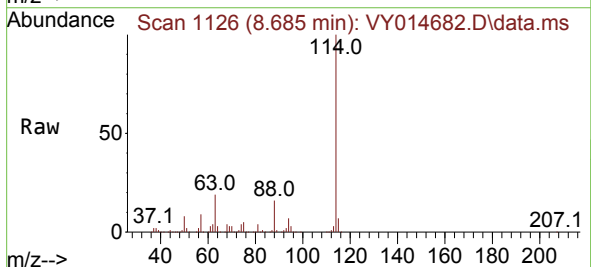
Tgt Ion: 114 Resp: 375483

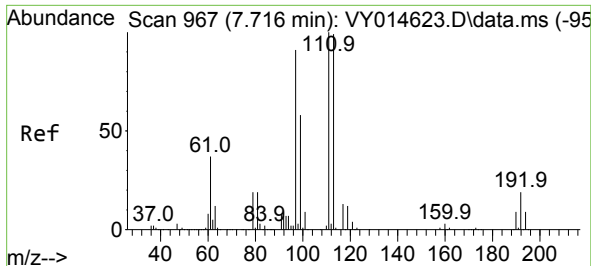
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.6 0.0 30.6

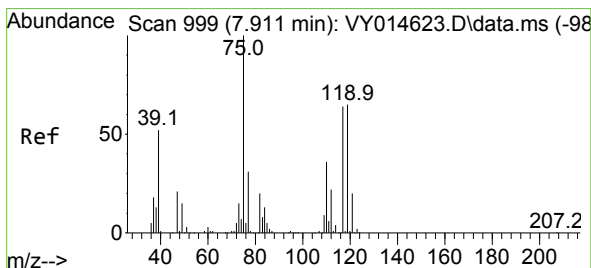
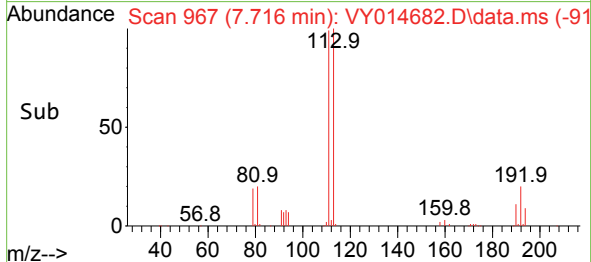
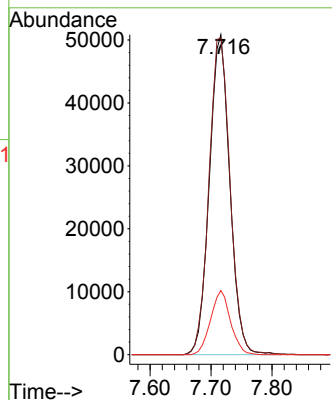
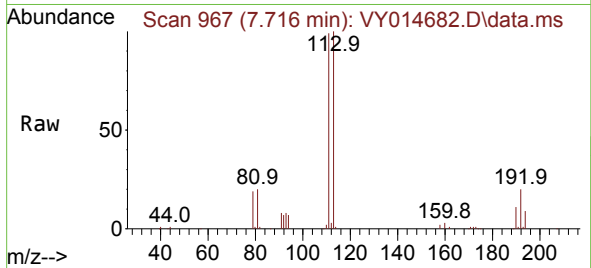




#35
 Dibromofluoromethane
 Concen: 49.710 ug/l
 RT: 7.716 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VY014682.D
 Acq: 17 Jul 2023 19:05

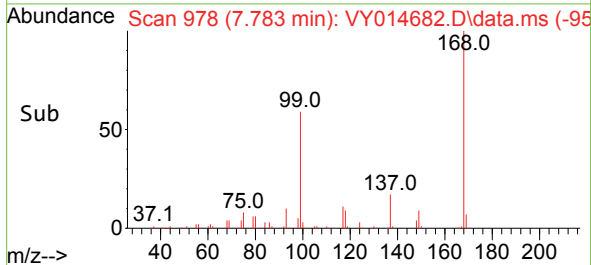
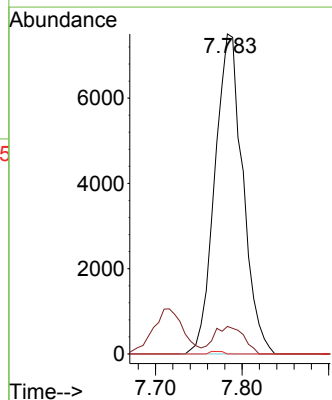
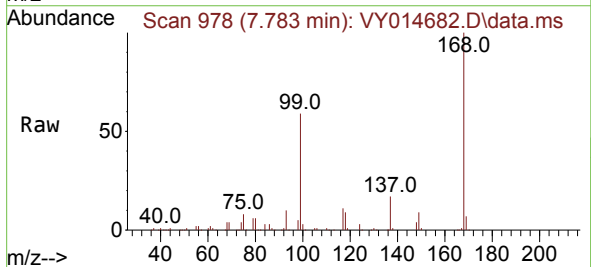
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11(3.5-4.5)

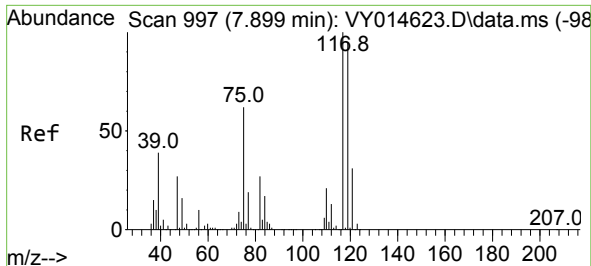
Tgt Ion:	113	Resp:	118819
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	19.4	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY014682.D
 Acq: 17 Jul 2023 19:05

Tgt Ion:	75	Resp:	16823
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.5#
77	0.4	24.4	36.6#

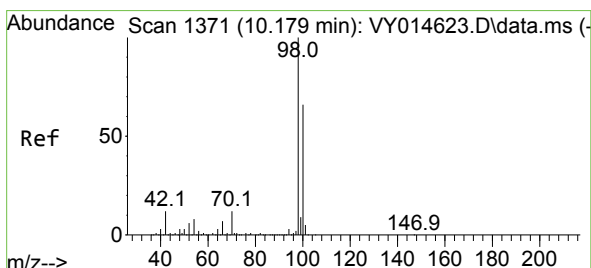
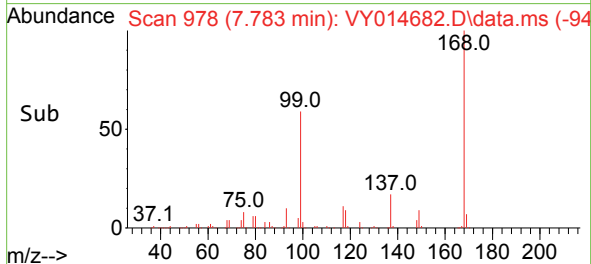
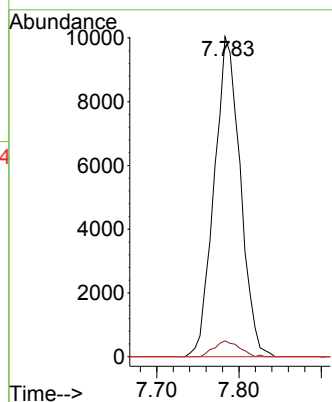
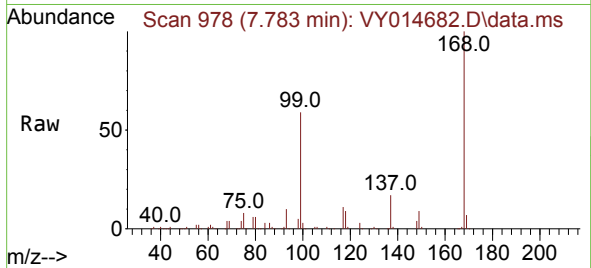




#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

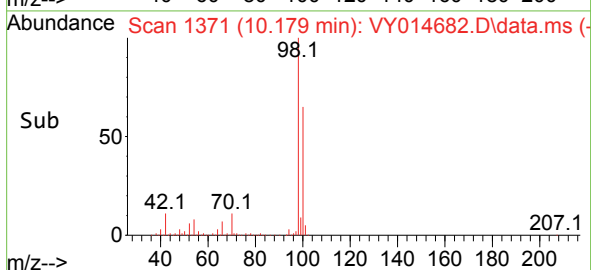
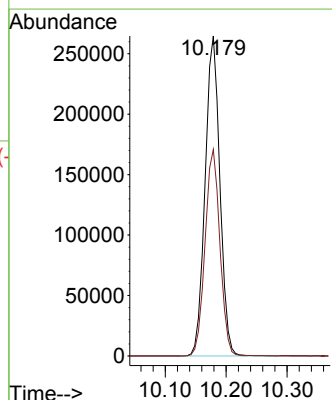
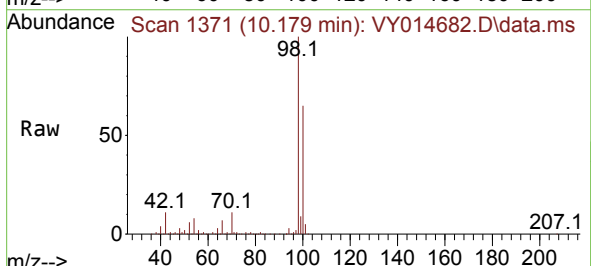
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ClientSampleId :
SB-11(3.5-4.5)

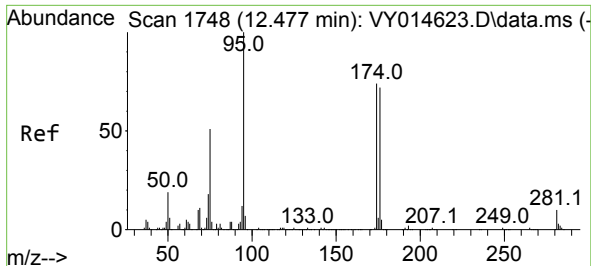
Tgt Ion:117 Resp: 22140
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.742 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Tgt Ion: 98 Resp: 447151
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

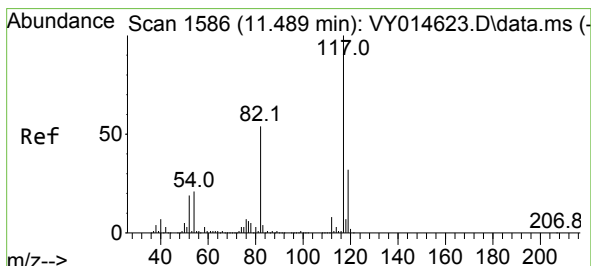
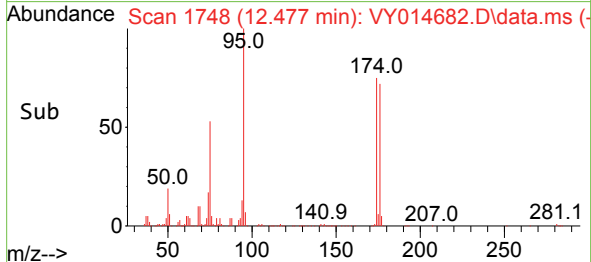
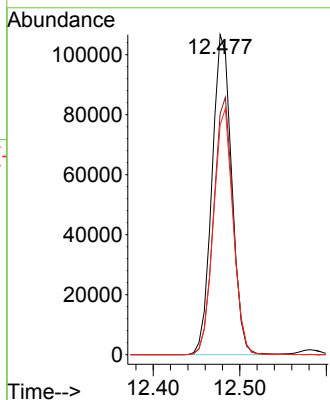
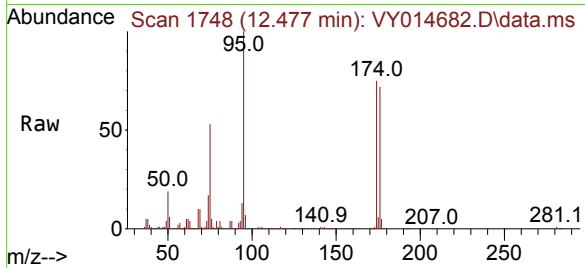




#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

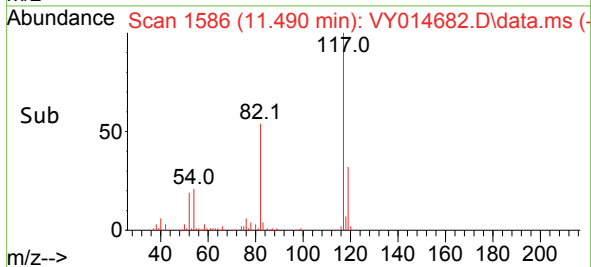
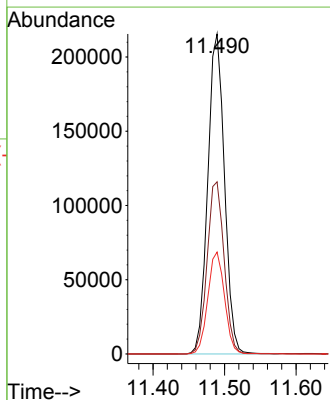
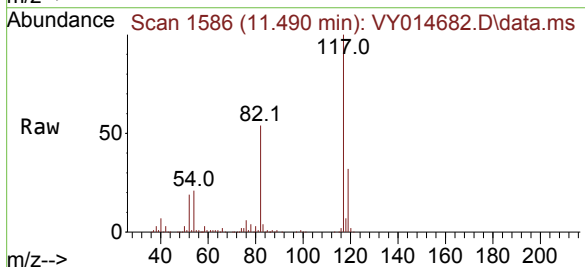
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(3.5-4.5)

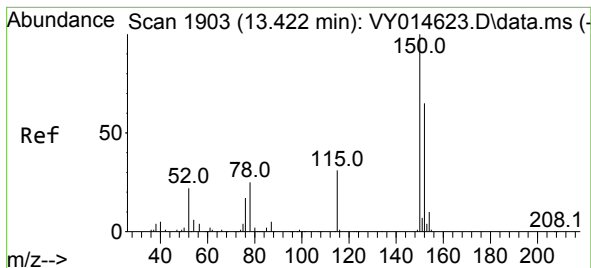
Tgt Ion: 95 Resp: 168929
Ion Ratio Lower Upper
95 100
174 79.5 0.0 178.2
176 76.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Tgt Ion: 117 Resp: 349352
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.9 26.3 39.5

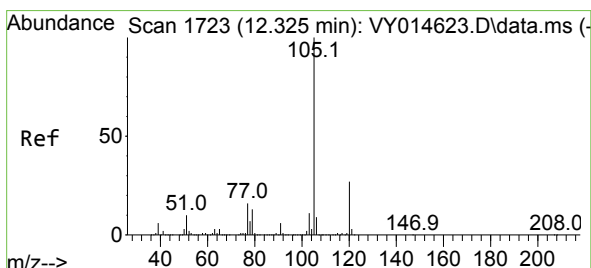
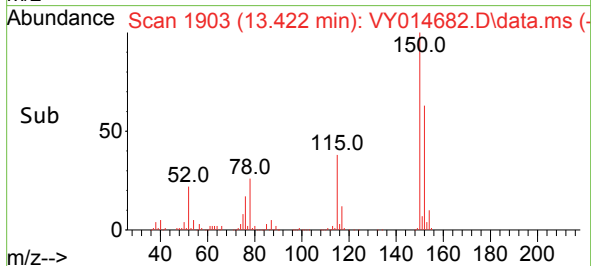
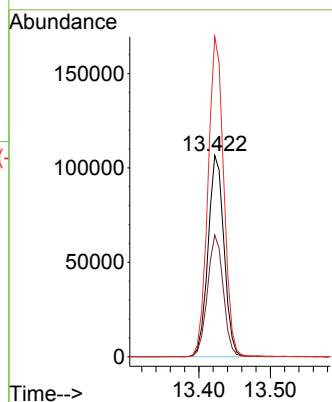
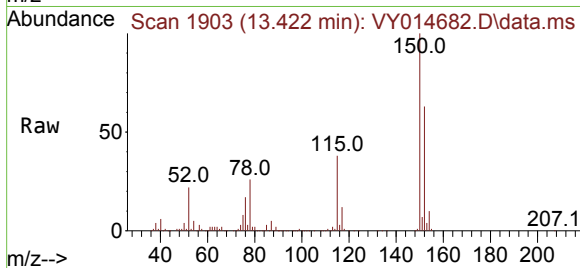




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014682.D
 Acq: 17 Jul 2023 19:05

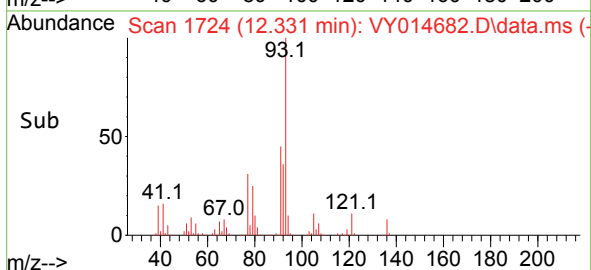
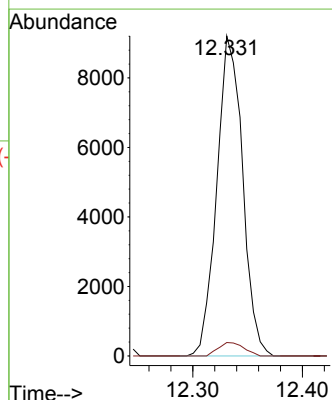
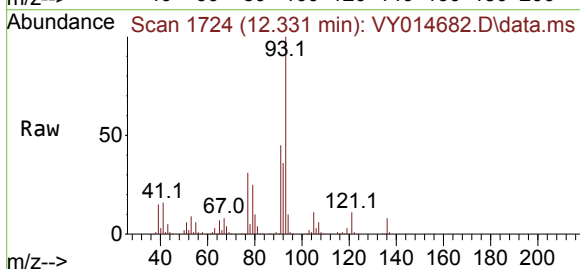
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11(3.5-4.5)

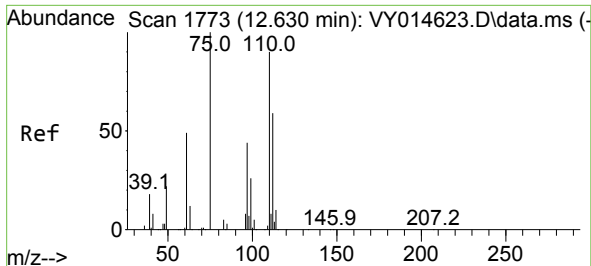
Tgt Ion:152 Resp: 164868
 Ion Ratio Lower Upper
 152 100
 115 60.1 28.8 86.5
 150 157.5 0.0 348.8



#73
 Isopropylbenzene
 Concen: 1.163 ug/l
 RT: 12.331 min Scan# 1724
 Delta R.T. 0.006 min
 Lab File: VY014682.D
 Acq: 17 Jul 2023 19:05

Tgt Ion:105 Resp: 15018
 Ion Ratio Lower Upper
 105 100
 120 4.2 13.3 39.9#

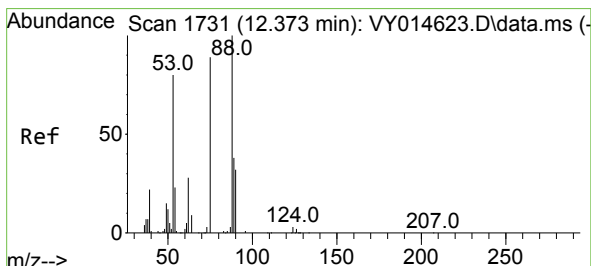
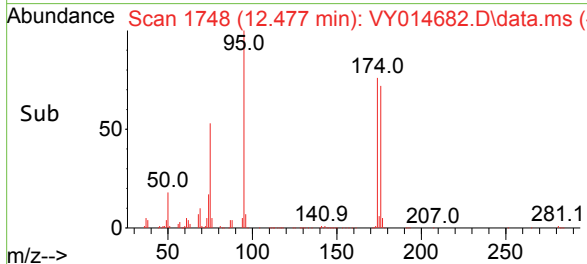
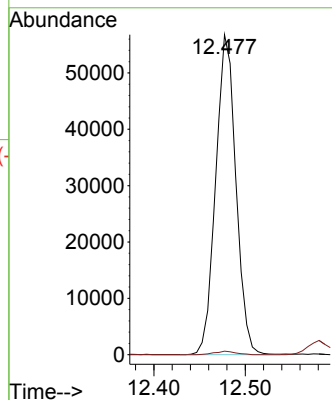
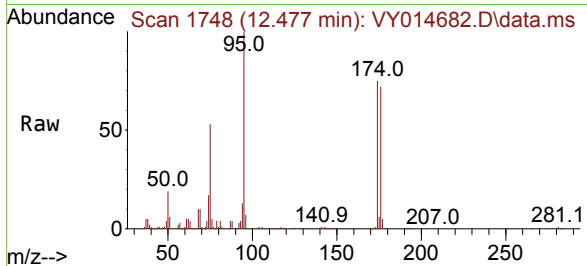




#76
1,2,3-Trichloropropane
Concen: 41.929 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Instrument :
MSVOA_Y
ClientSampleId :
SB-11(3.5-4.5)

Tgt Ion: 75 Resp: 87307
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.183 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014682.D
Acq: 17 Jul 2023 19:05

Tgt Ion: 75 Resp: 87307
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

