

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014752.D
 Acq On : 21 Jul 2023 17:18
 Operator : SY/MD
 Sample : 03706-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P9B

Quant Time: Jul 22 05:39:36 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)

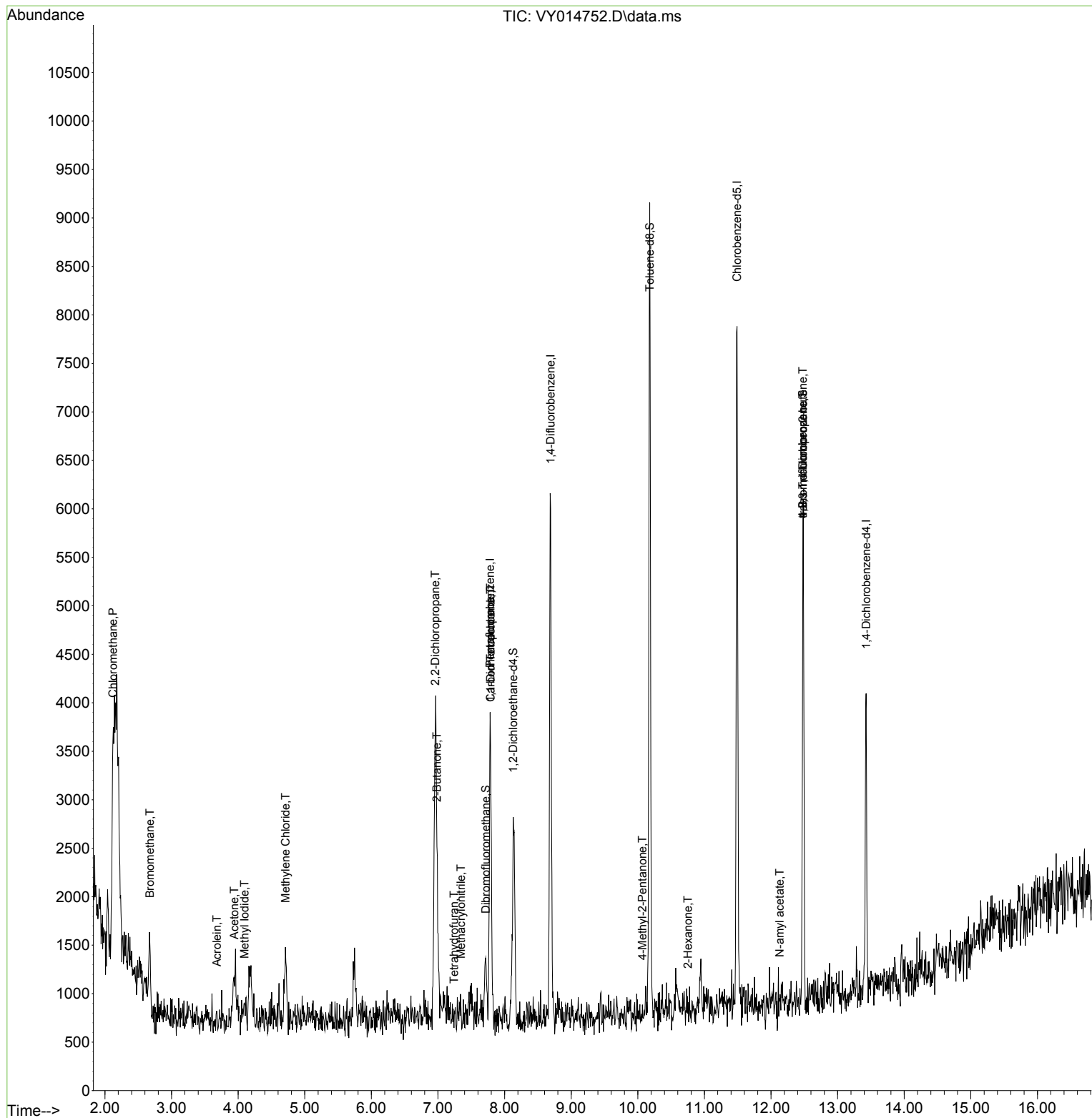
Internal Standards						
1) Pentafluorobenzene	7.783	168	2939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4451	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1627	48.580	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.160%
35) Dibromofluoromethane	7.716	113	684	21.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	43.380%#
50) Toluene-d8	10.179	98	5764	49.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.477	95	1678	37.632	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.260%
Target Compounds						Qvalue
3) Chloromethane	2.119	50	173	6.427	ug/l	95
5) Bromomethane	2.674	94	283	14.236	ug/l	# 64
10) Methyl Iodide	4.094	142	421	14.587	ug/l	# 38
13) Acrolein	3.680	56	21	5.999	ug/l	# 14
16) Acetone	3.942	43	1299	122.398	ug/l	90
20) Methylene Chloride	4.710	84	376	7.300	ug/l	# 56
25) 2-Butanone	6.984	43	138	8.888	ug/l	# 49
26) 2,2-Dichloropropane	6.960	77	191	3.352	ug/l	# 54
29) Tetrahydrofuran	7.240	42	19	1.987	ug/l	# 35
36) 1,1-Dichloropropene	7.789	75	138	2.926	ug/l	# 41
38) Carbon Tetrachloride	7.789	117	211	4.232	ug/l	# 12
41) Methacrylonitrile	7.344	41	22	1.317	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.069	43	50	1.539	ug/l	# 39
59) 2-Hexanone	10.752	43	61	2.575	ug/l	# 27
74) N-amyl acetate	12.130	43	28	1.317	ug/l	# 25
76) 1,2,3-Trichloropropane	12.477	75	759	74.102	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	759	143.474	ug/l	# 10

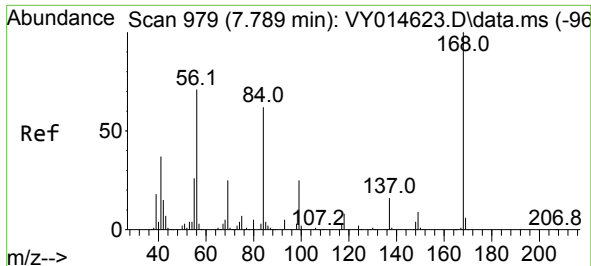
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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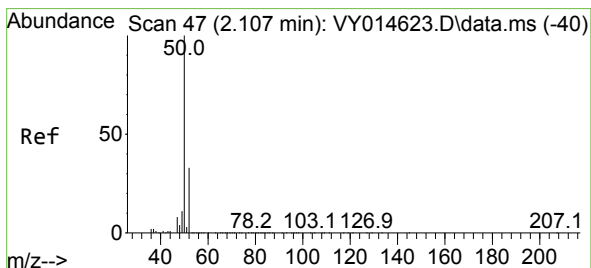
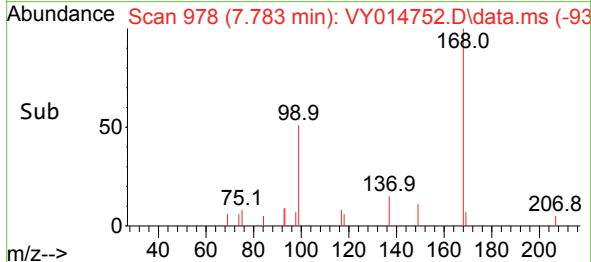
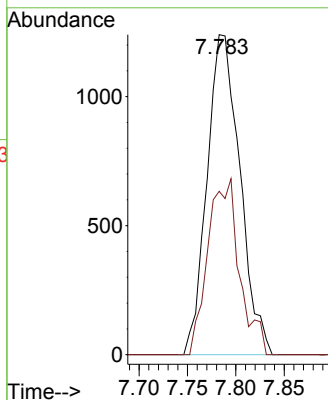
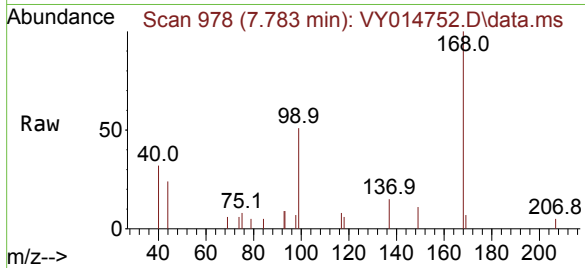




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

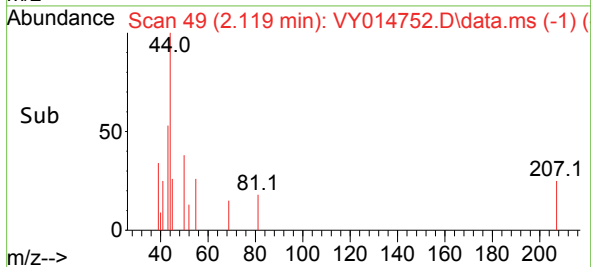
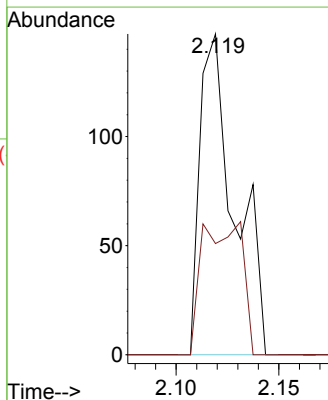
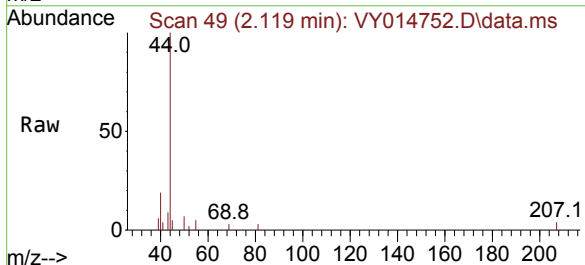
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

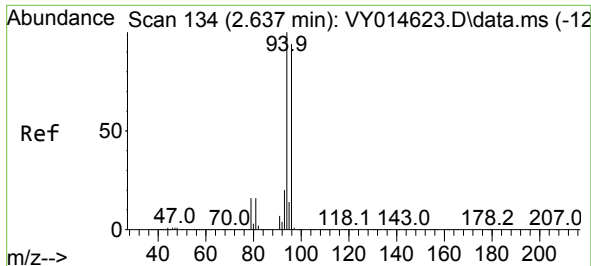
Tgt Ion:168 Resp: 2939
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#3
Chloromethane
Concen: 6.427 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 50 Resp: 173
Ion Ratio Lower Upper
50 100
52 34.7 25.4 38.2

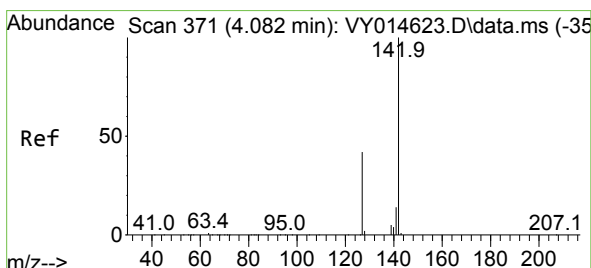
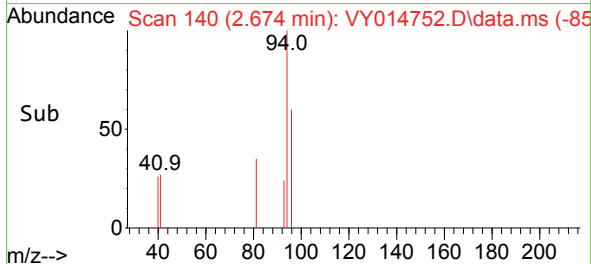
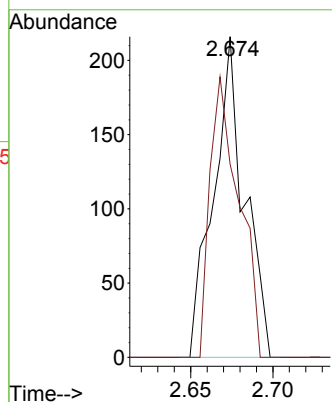
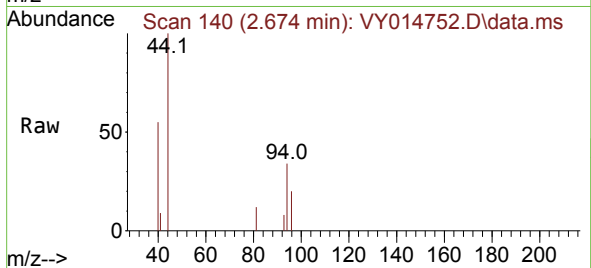




#5
Bromomethane
Concen: 14.236 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.037 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

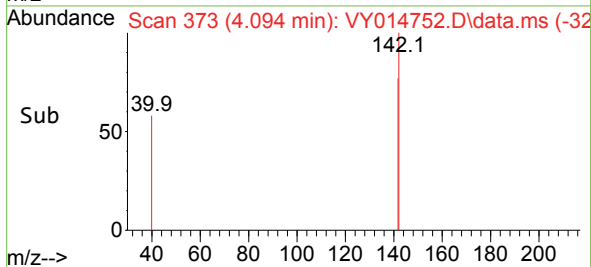
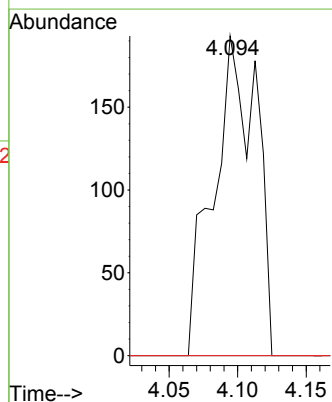
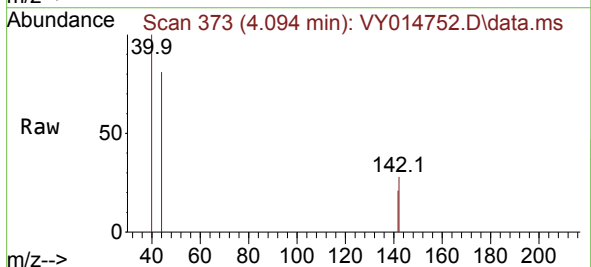
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

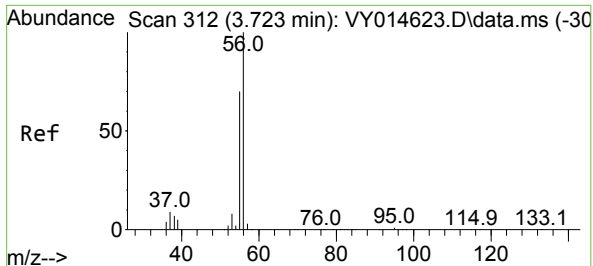
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 60.2 75.8 113.6#



#10
Methyl Iodide
Concen: 14.587 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

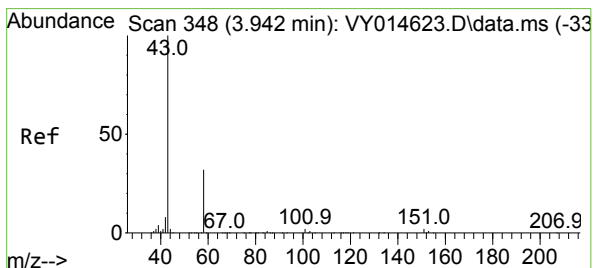
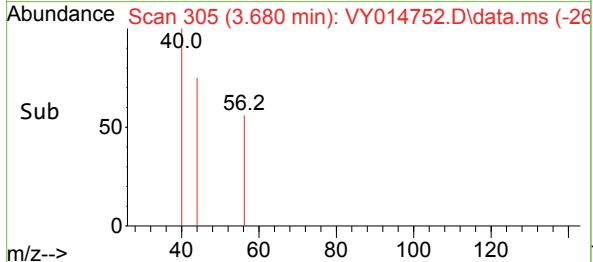
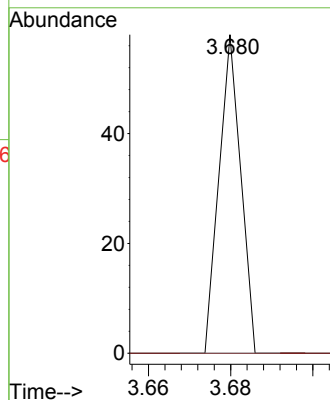
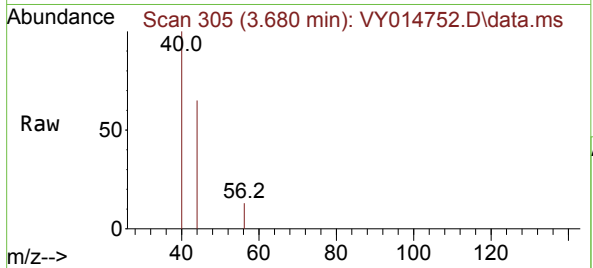




#13
Acrolein
Concen: 5.999 ug/l
RT: 3.680 min Scan# 305
Delta R.T. -0.043 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

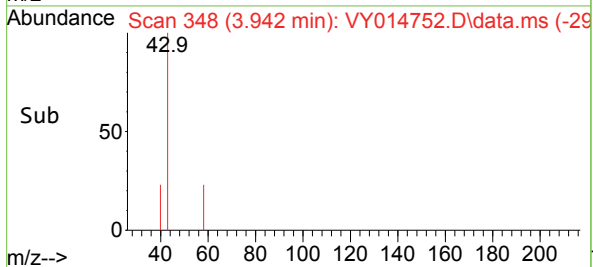
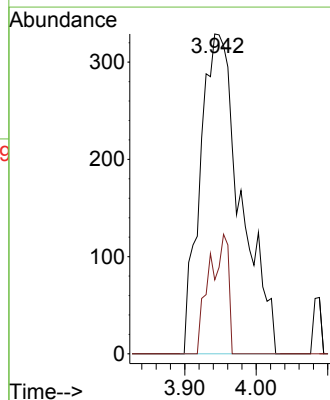
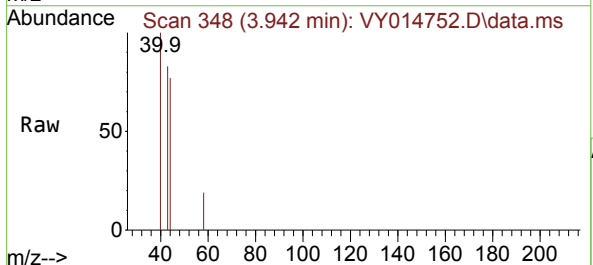
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

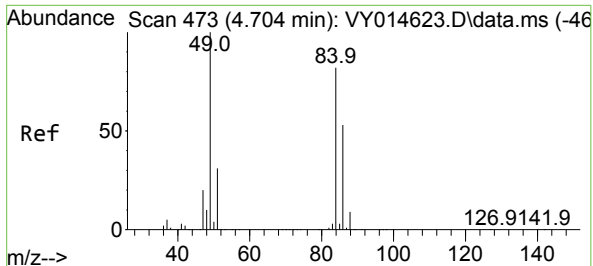
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 122.398 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 23.1 22.7 34.1

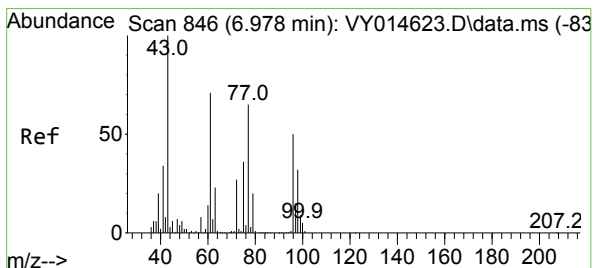
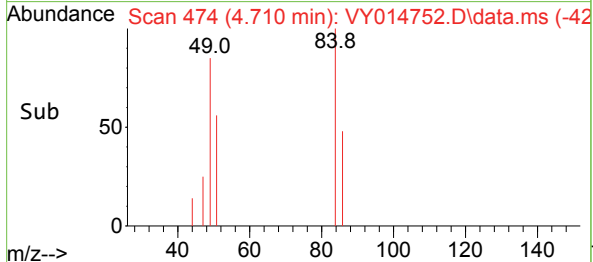
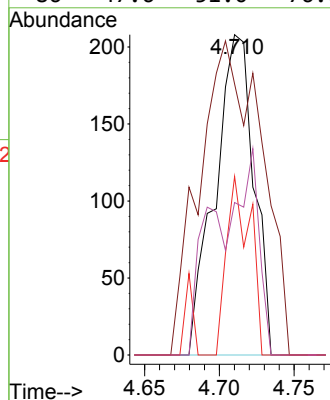
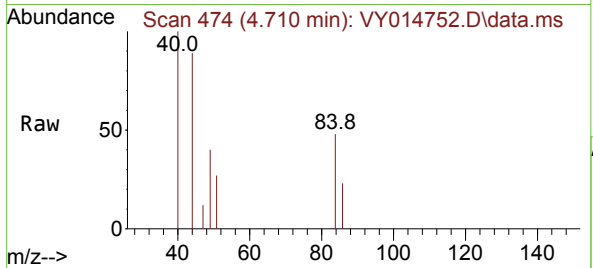




#20
Methylene Chloride
Concen: 7.300 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

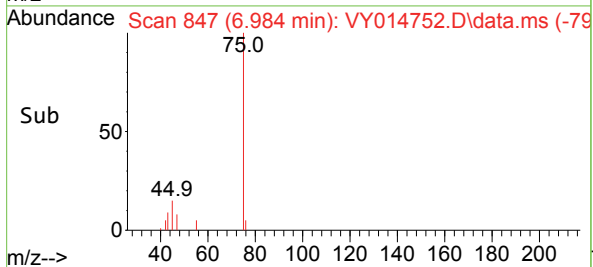
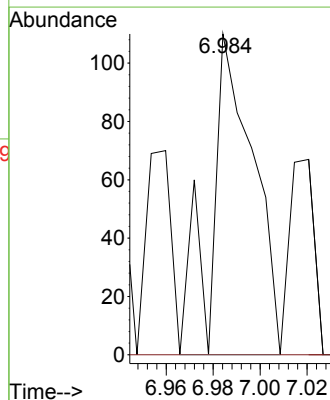
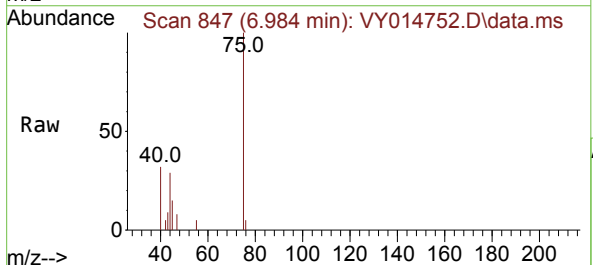
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

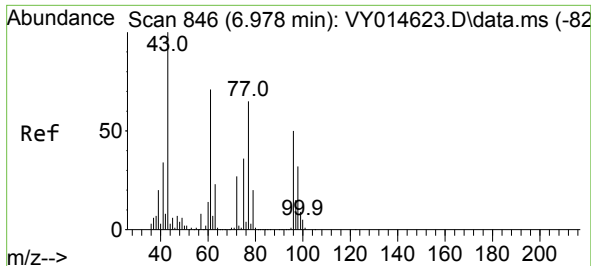
Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
49 60.1 106.9 160.3#
51 55.8 33.2 49.8#
86 47.6 51.0 76.6#



#25
2-Butanone
Concen: 8.888 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

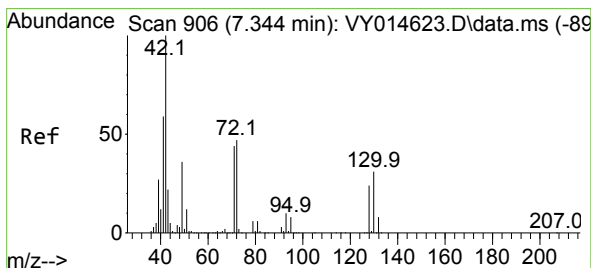
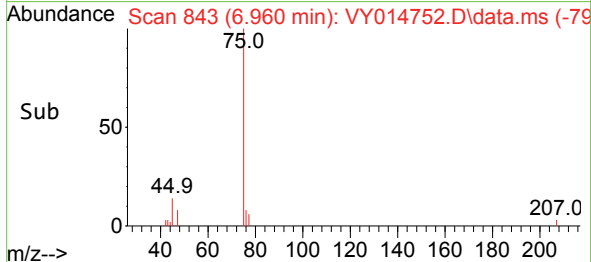
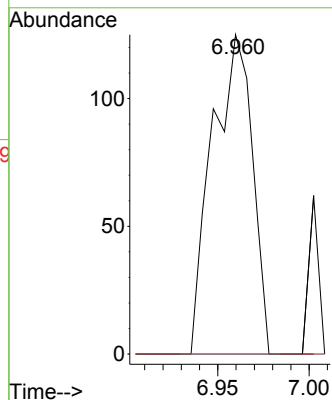
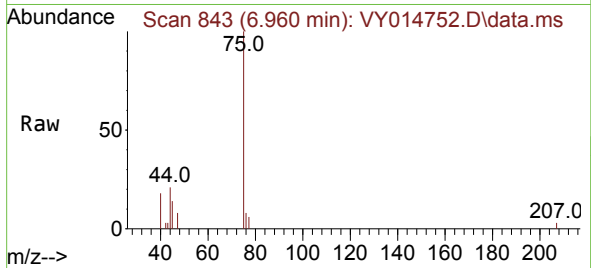




#26
2,2-Dichloropropane
Concen: 3.352 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

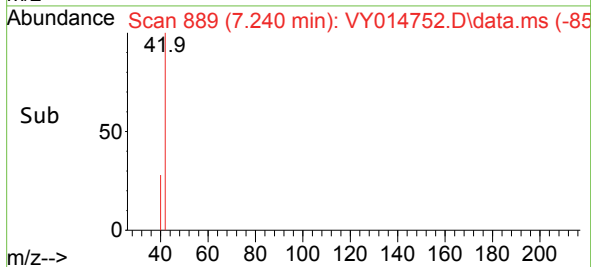
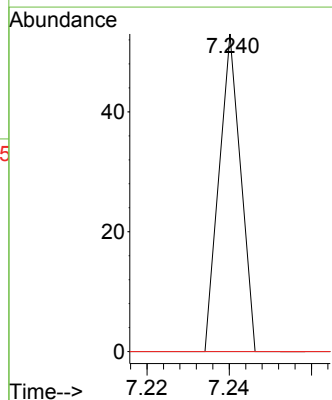
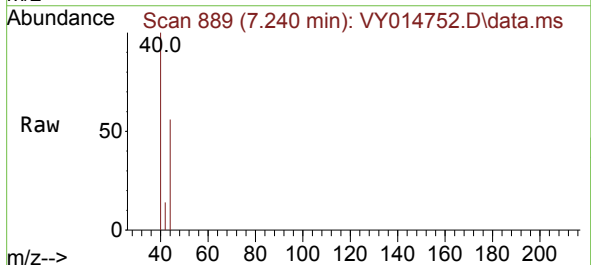
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

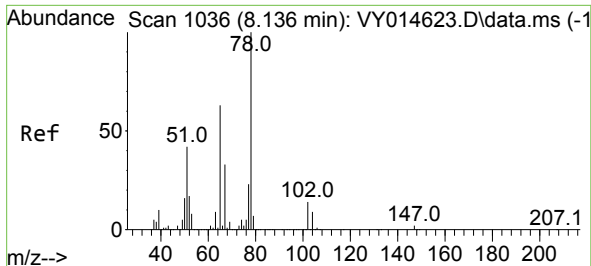
Tgt Ion: 77 Resp: 191
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.987 ug/l
RT: 7.240 min Scan# 889
Delta R.T. -0.104 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 48.580 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014752.D

Acq: 21 Jul 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

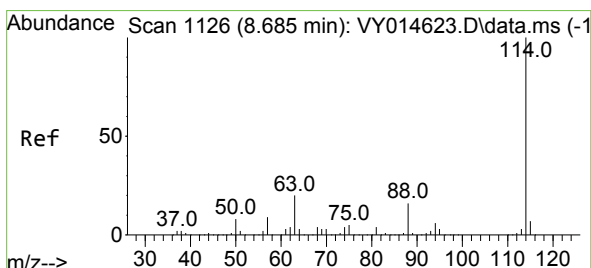
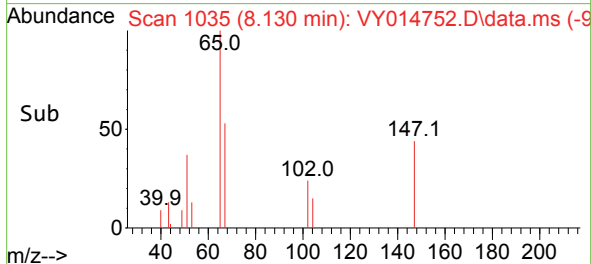
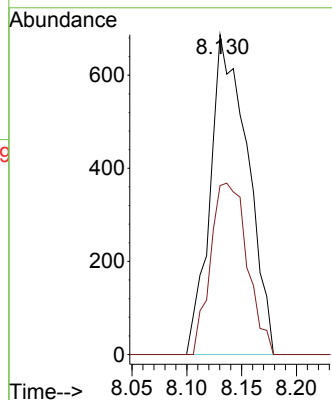
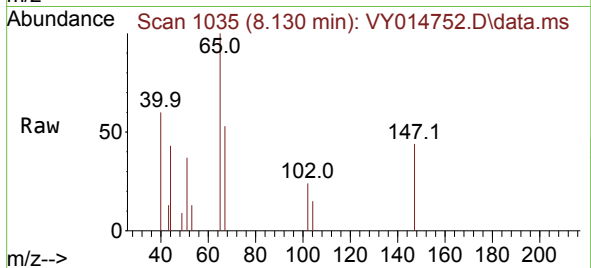
B-P9B

Tgt Ion: 65 Resp: 1627

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014752.D

Acq: 21 Jul 2023 17:18

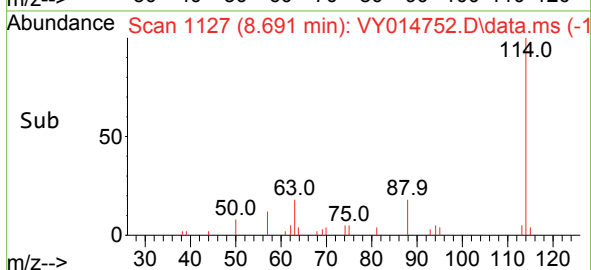
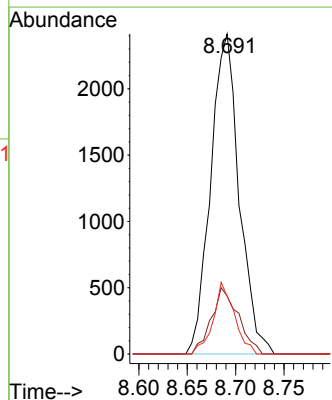
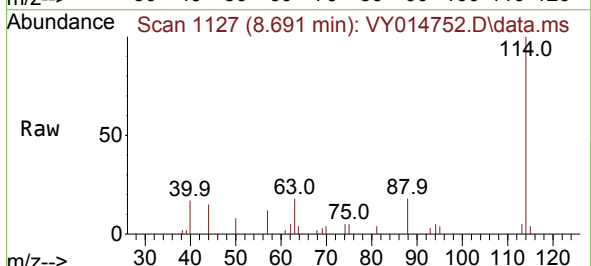
Tgt Ion: 114 Resp: 4955

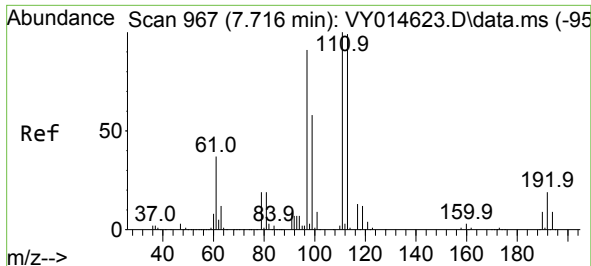
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 18.1 0.0 30.6

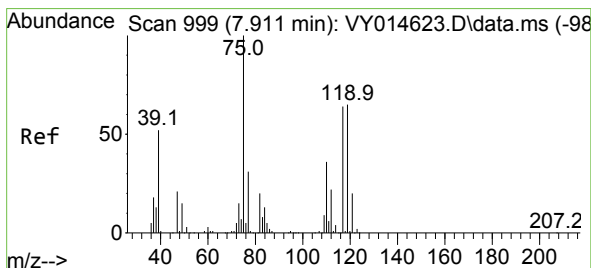
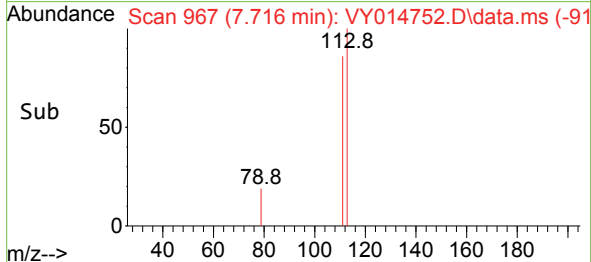
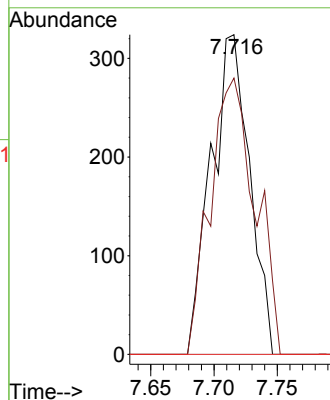
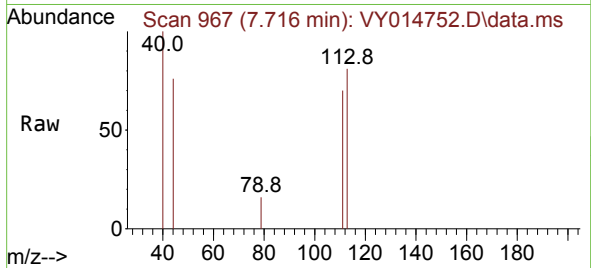




#35
Dibromofluoromethane
Concen: 21.685 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

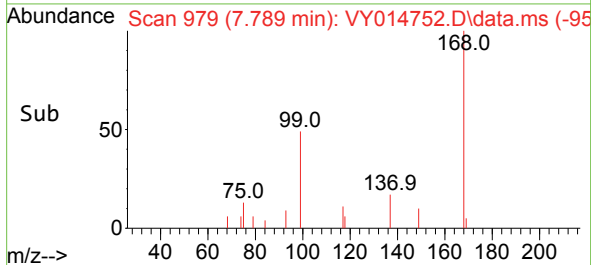
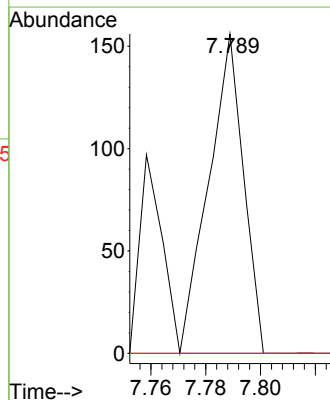
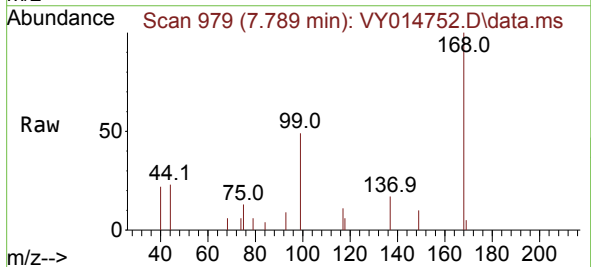
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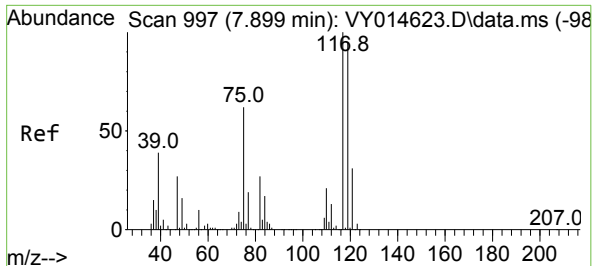
Tgt Ion:113 Resp: 684
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 0.0 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 2.926 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

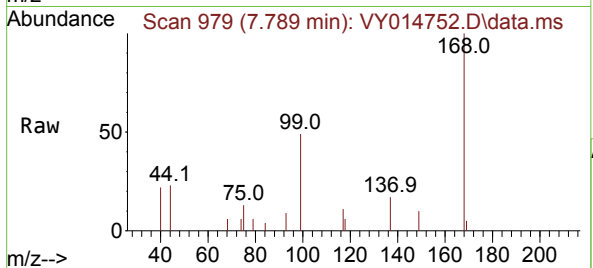
Tgt Ion: 75 Resp: 138
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



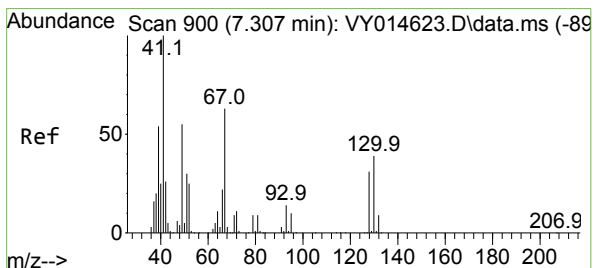
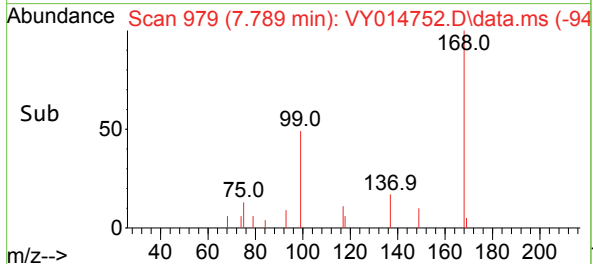
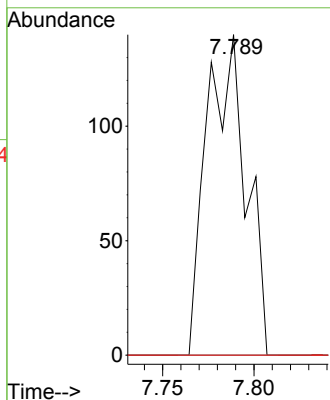


#38
Carbon Tetrachloride
Concen: 4.232 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

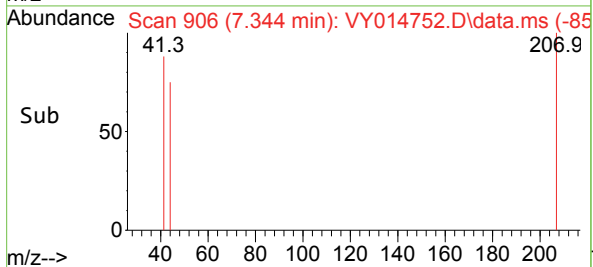
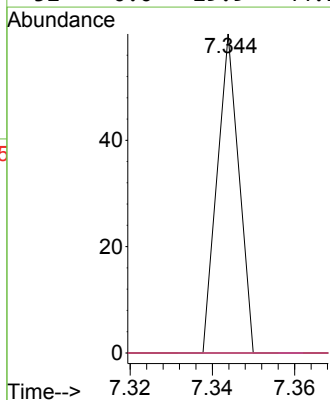
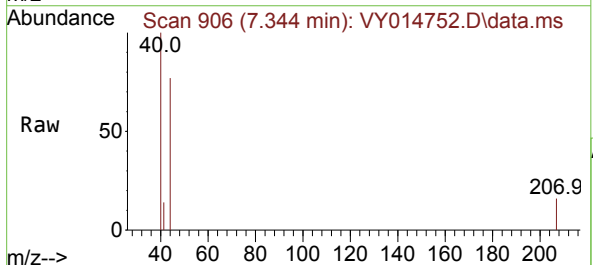


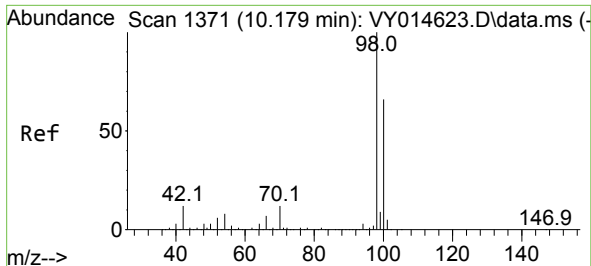
Tgt Ion:117 Resp: 211
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.317 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 41 Resp: 22
Ion Ratio Lower Upper
41 100
39 0.0 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

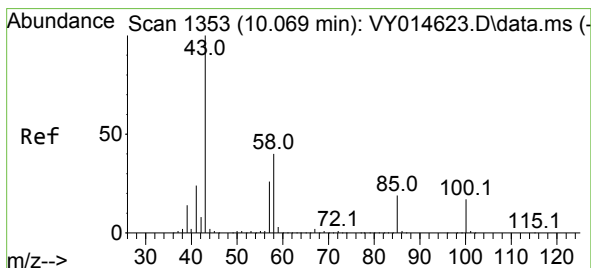
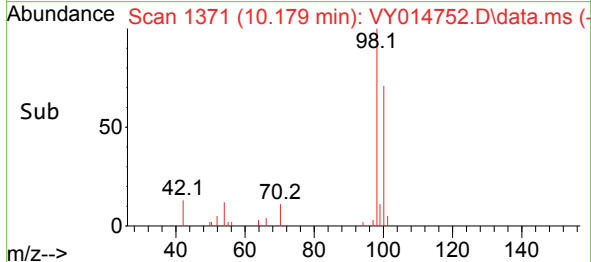
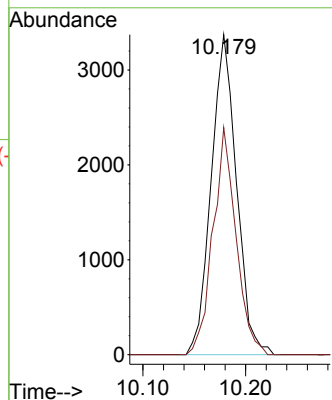
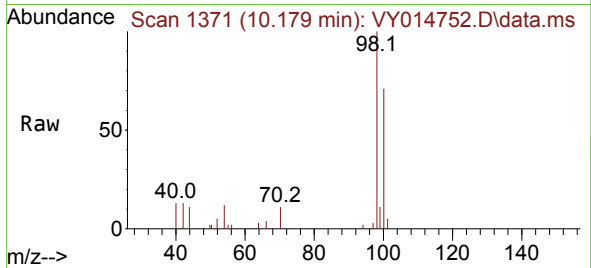




#50
Toluene-d8
Concen: 49.566 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

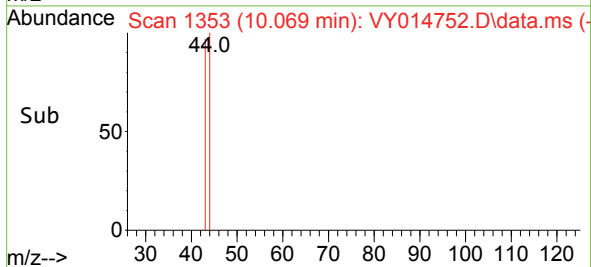
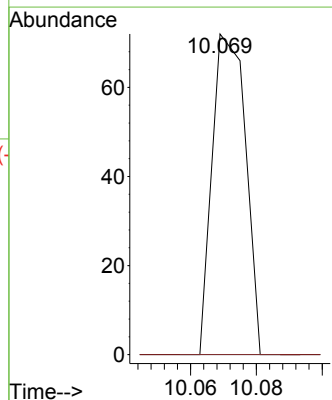
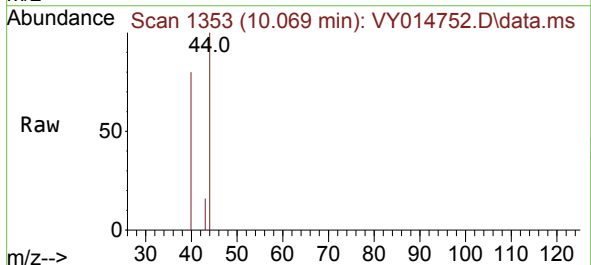
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

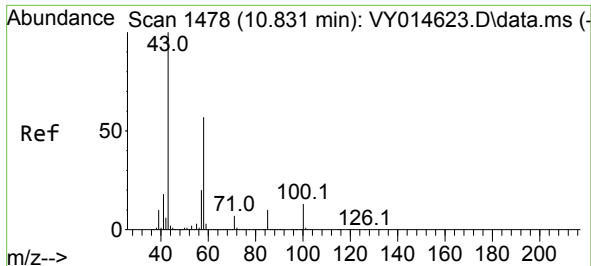
Tgt Ion: 98 Resp: 5764
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.539 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#





#59

2-Hexanone

Concen: 2.575 ug/l

RT: 10.752 min Scan# 1478

Delta R.T. -0.079 min

Lab File: VY014752.D

Acq: 21 Jul 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

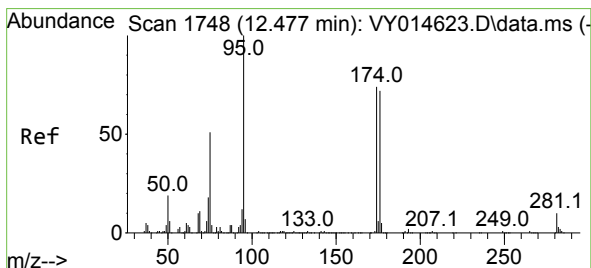
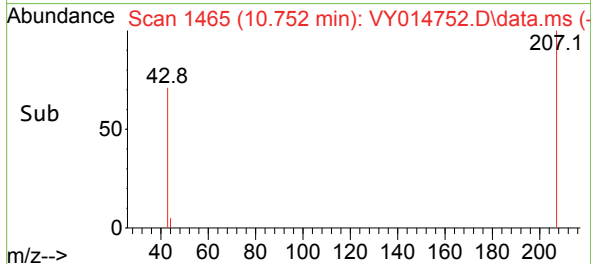
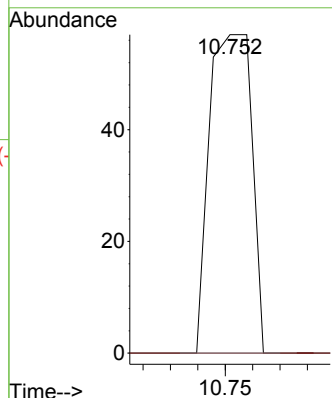
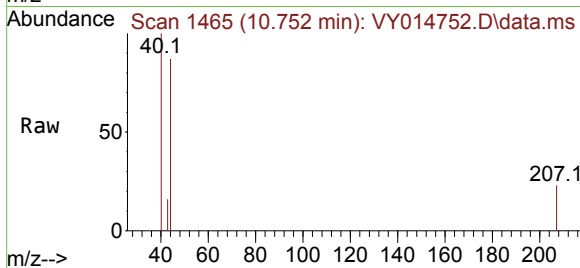
B-P9B

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.3#



#62

4-Bromofluorobenzene

Concen: 37.632 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014752.D

Acq: 21 Jul 2023 17:18

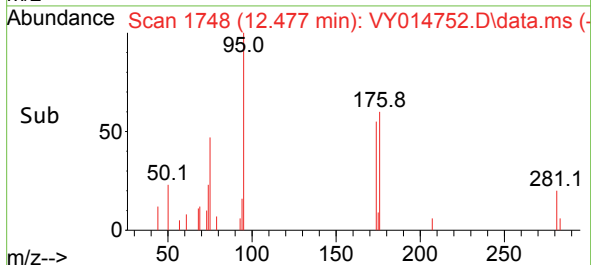
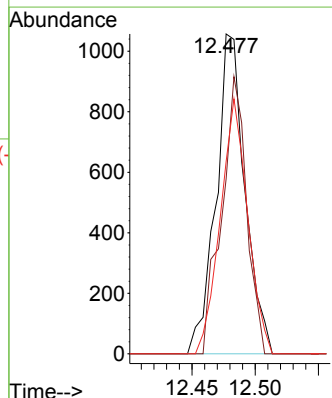
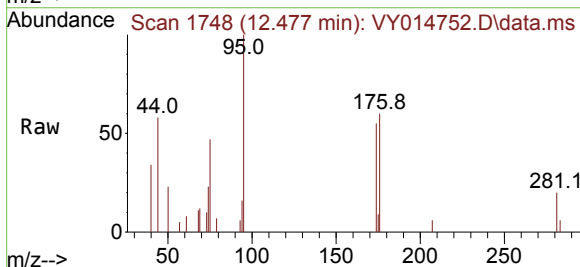
Tgt Ion: 95 Resp: 1678

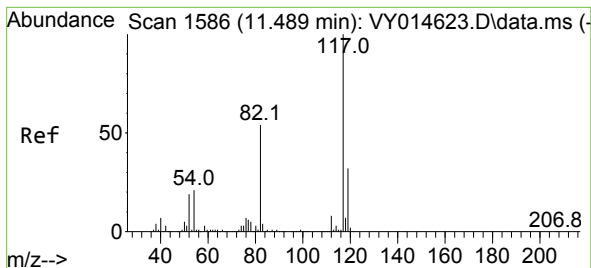
Ion Ratio Lower Upper

95 100

174 74.9 0.0 178.2

176 75.6 0.0 173.8

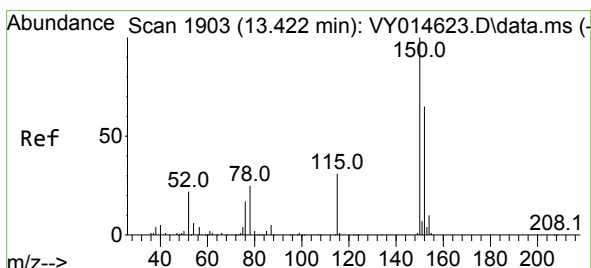
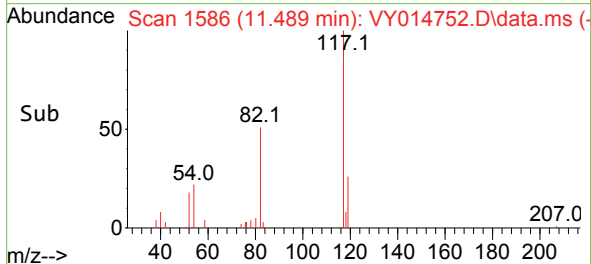
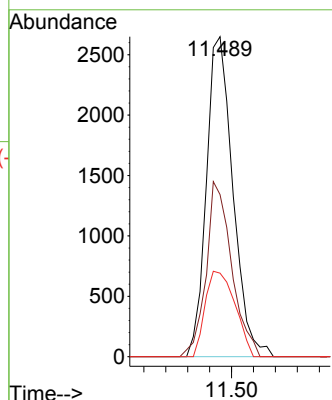
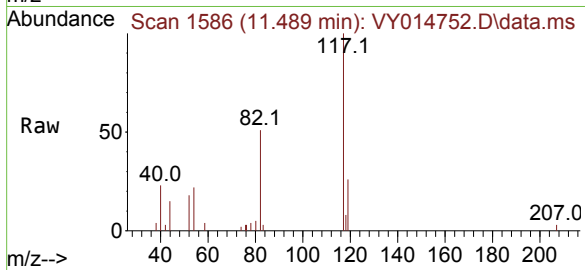




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

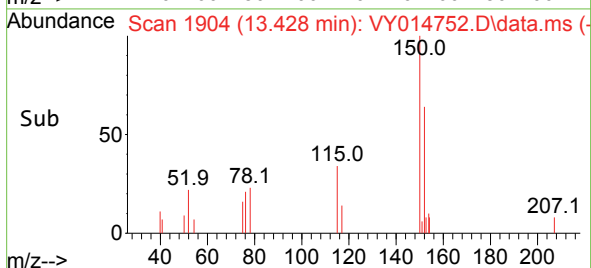
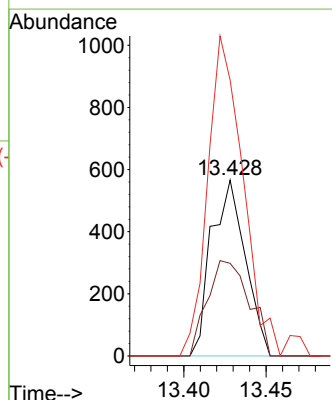
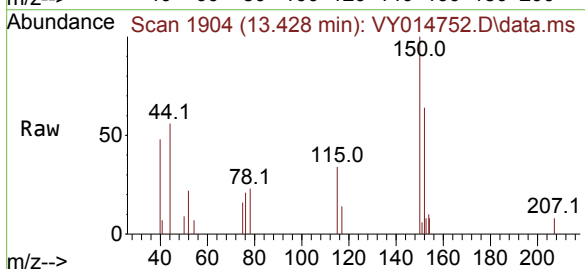
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

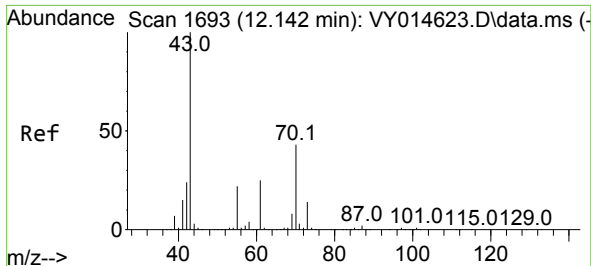
Tgt Ion:117 Resp: 4451
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 26.1 26.3 39.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion:152 Resp: 811
Ion Ratio Lower Upper
152 100
115 67.4 28.8 86.5
150 194.2 0.0 348.8

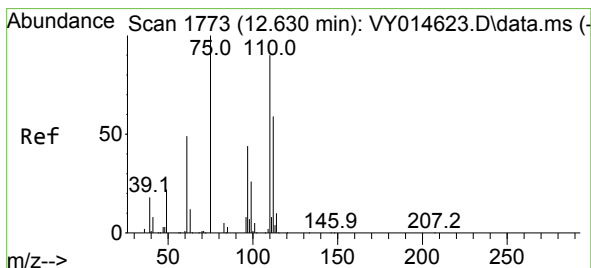
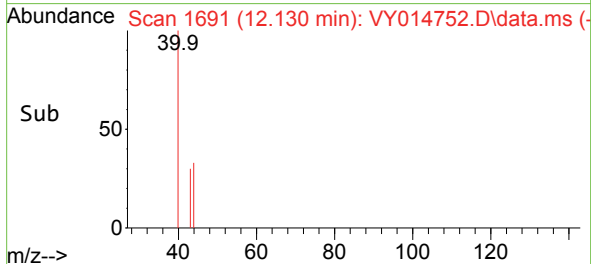
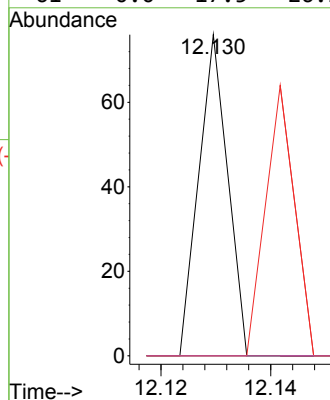
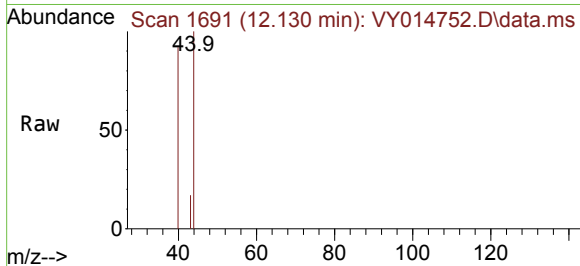




#74
N-amy1 acetate
Concen: 1.317 ug/l
RT: 12.130 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

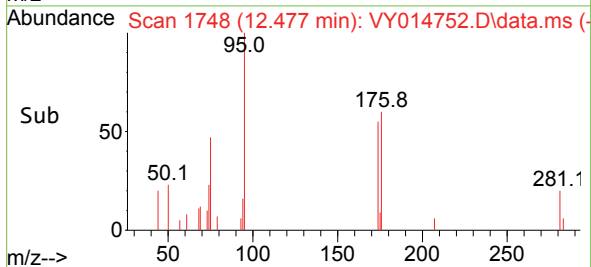
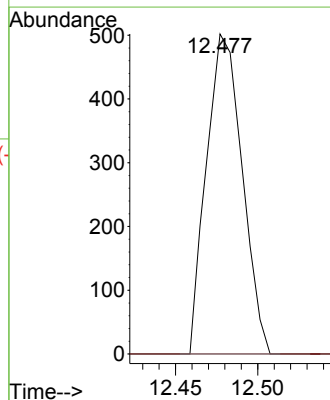
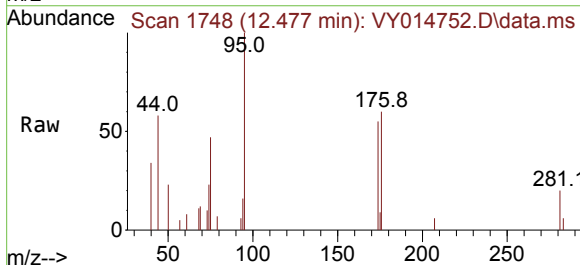
Instrument :
MSVOA_Y
ClientSampleId :
B-P9B

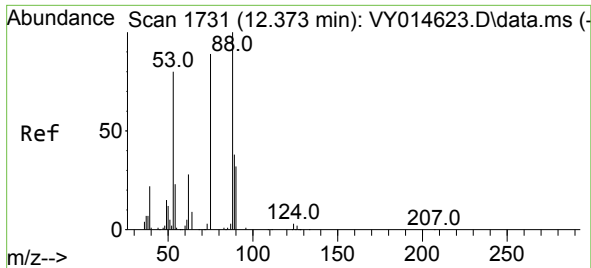
Tgt Ion: 43	Resp: 28
Ion Ratio	Lower Upper
43 100	
70 0.0	29.7 44.5#
55 82.1	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 74.102 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014752.D
Acq: 21 Jul 2023 17:18

Tgt Ion: 75	Resp:	759	
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.474 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014752.D
 Acq: 21 Jul 2023 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P9B

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

