

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014758.D
 Acq On : 21 Jul 2023 19:40
 Operator : SY/MD
 Sample : 03706-08
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21B

Quant Time: Jul 22 05:41:49 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)

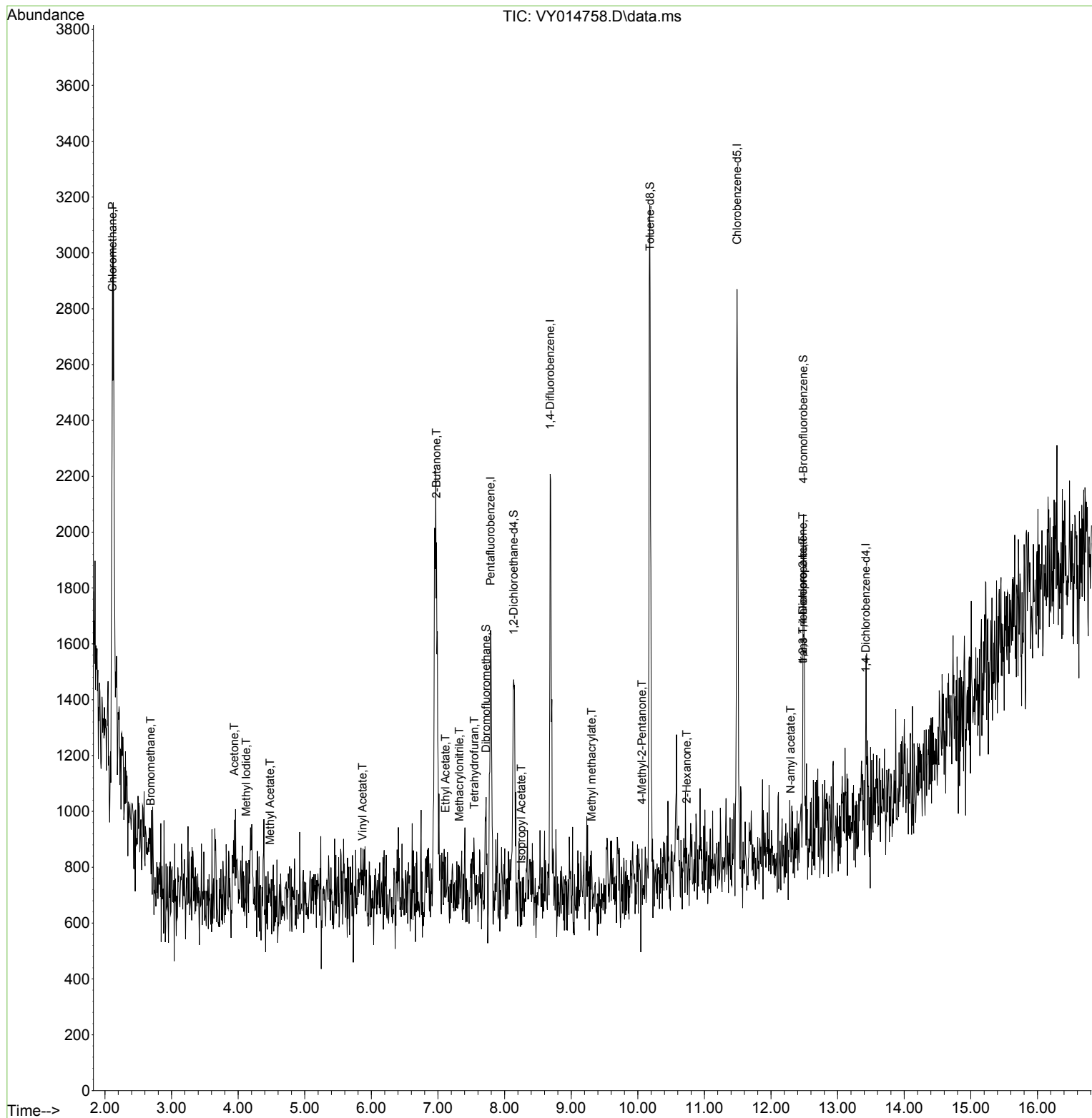
Internal Standards						
1) Pentafluorobenzene	7.789	168	1003	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	1612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	743	65.007	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.020%		
35) Dibromofluoromethane	7.722	113	210	20.465	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 40.920%#		
50) Toluene-d8	10.185	98	1992	52.653	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 105.300%		
62) 4-Bromofluorobenzene	12.483	95	199	13.718	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 27.440%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	27	2.939	ug/l	# 43
5) Bromomethane	2.686	94	20	2.948	ug/l	# 2
10) Methyl Iodide	4.119	142	19	3.985	ug/l	# 38
16) Acetone	3.942	43	534	147.437	ug/l	# 46
18) Methyl Acetate	4.479	43	26	1.871	ug/l	# 54
20) Methylene Chloride	4.710	84	45	Below Cal	#	4
23) Vinyl Acetate	5.869	43	23	1.078	ug/l	# 74
25) 2-Butanone	6.978	43	64	12.078	ug/l	# 49
29) Tetrahydrofuran	7.545	42	20	6.130	ug/l	# 35
37) Ethyl Acetate	7.112	43	41	3.881	ug/l	# 71
41) Methacrylonitrile	7.320	41	29	5.336	ug/l	# 17
43) Isopropyl Acetate	8.252	43	41	2.037	ug/l	# 55
48) Methyl methacrylate	9.307	41	19	2.098	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.063	43	50	4.732	ug/l	# 39
59) 2-Hexanone	10.734	43	71	9.213	ug/l	# 27
74) N-amyl acetate	12.294	43	24	6.933	ug/l	# 46
76) 1,2,3-Trichloropropane	12.477	75	178	106.771	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	178	206.727	ug/l	# 10

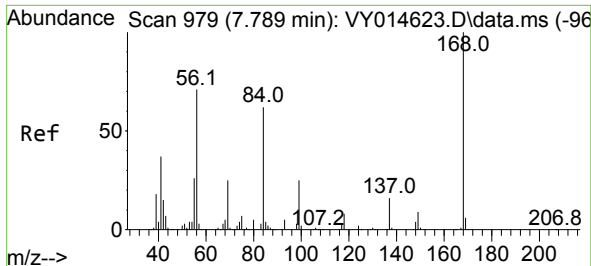
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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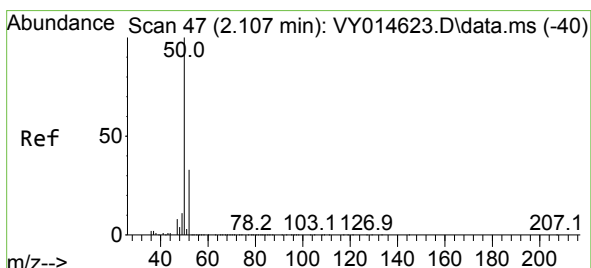
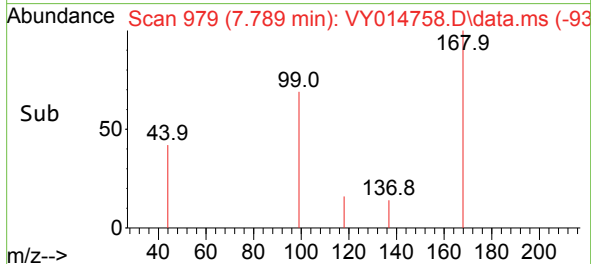
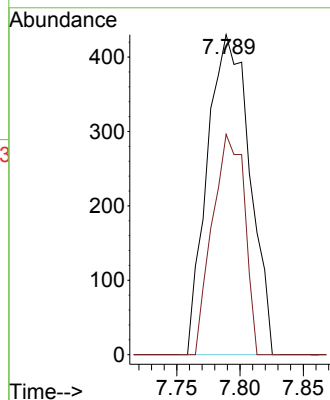
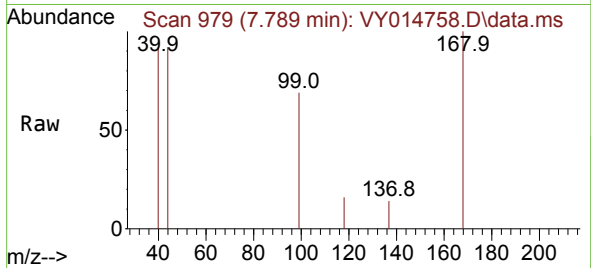




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

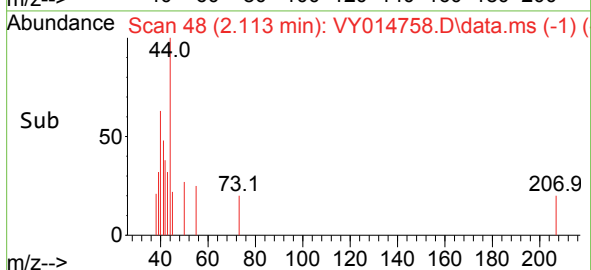
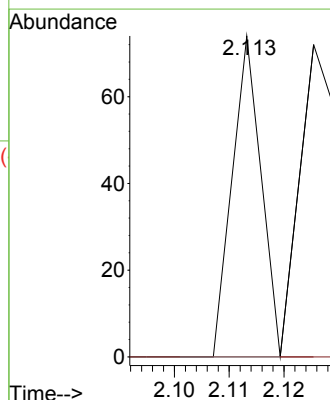
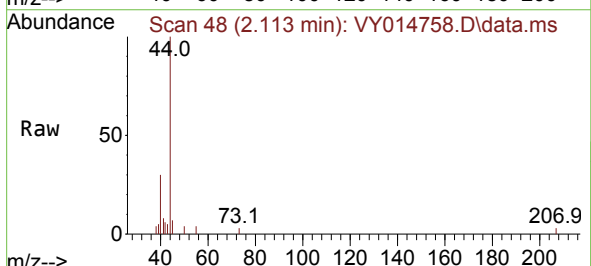
Instrument :
MSVOA_Y
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B-P21B

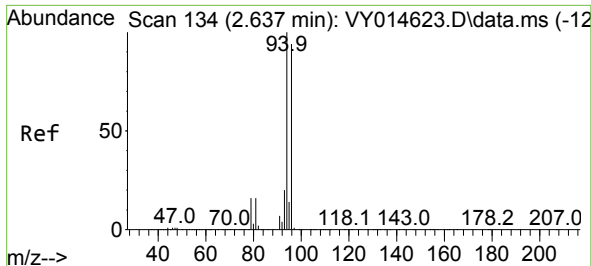
Tgt Ion:168 Resp: 1003
Ion Ratio Lower Upper
168 100
99 68.8 43.4 65.0#



#3
Chloromethane
Concen: 2.939 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion: 50 Resp: 27
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

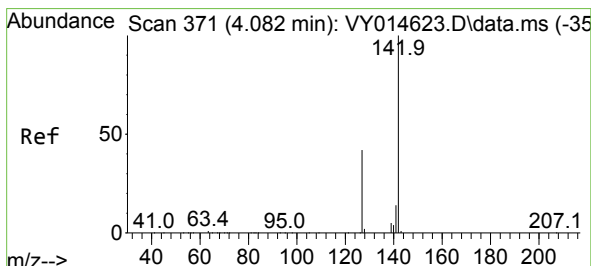
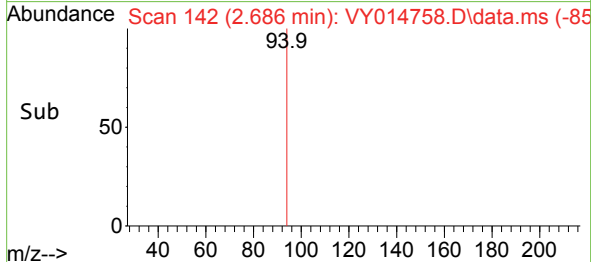
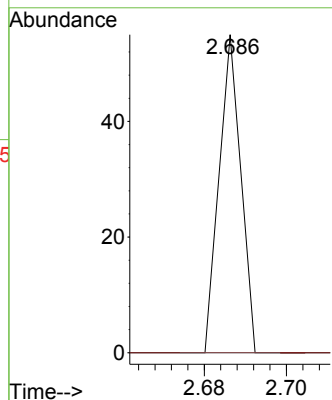
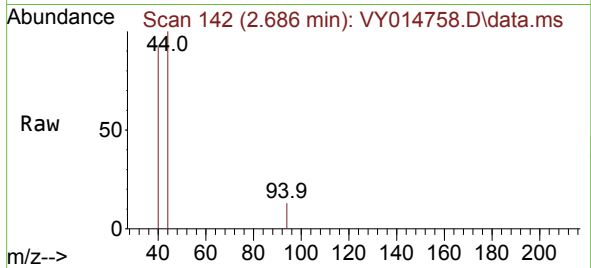




#5
Bromomethane
Concen: 2.948 ug/l
RT: 2.686 min Scan# 14
Delta R.T. 0.049 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

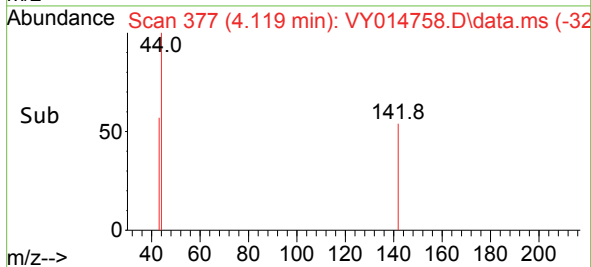
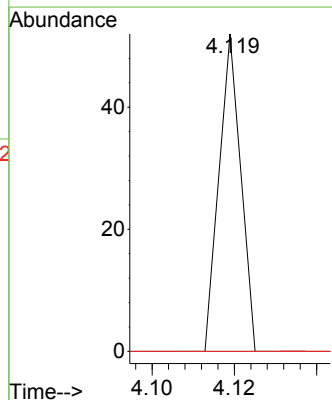
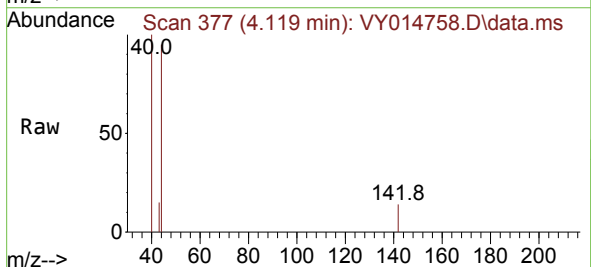
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

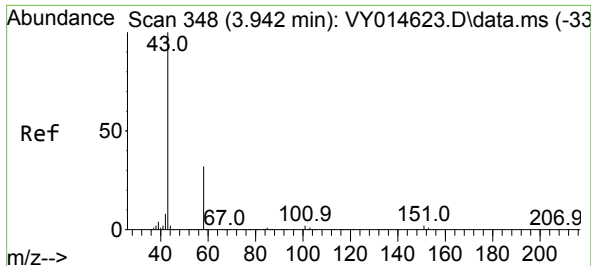
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#10
Methyl Iodide
Concen: 3.985 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.037 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

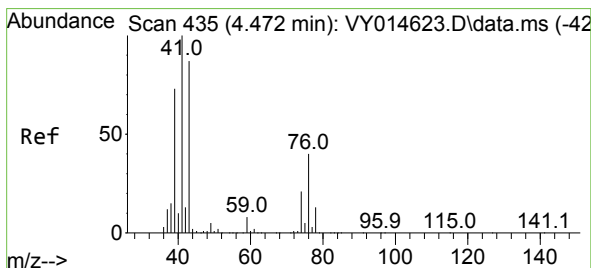
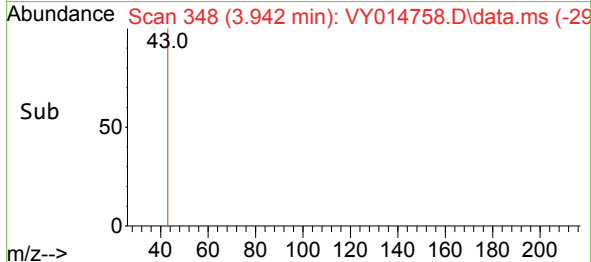
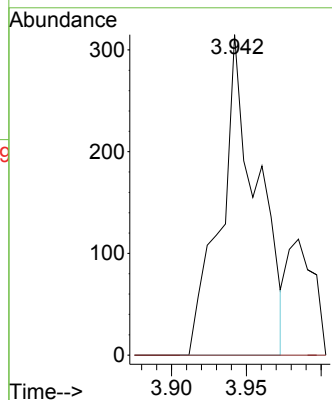
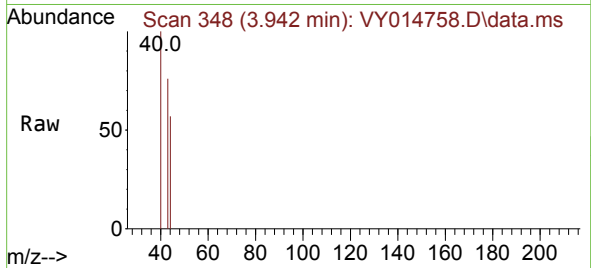




#16
Acetone
Concen: 147.437 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

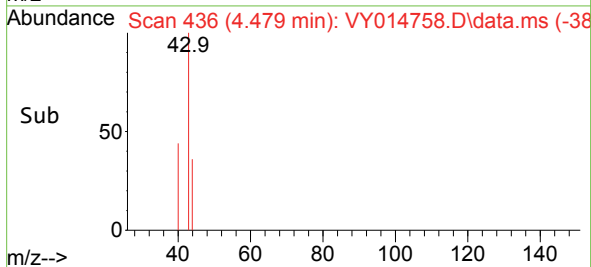
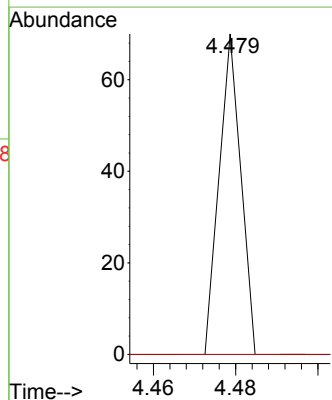
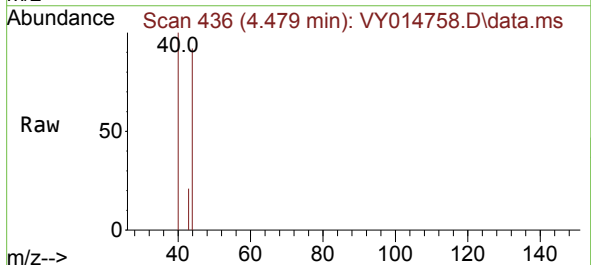
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

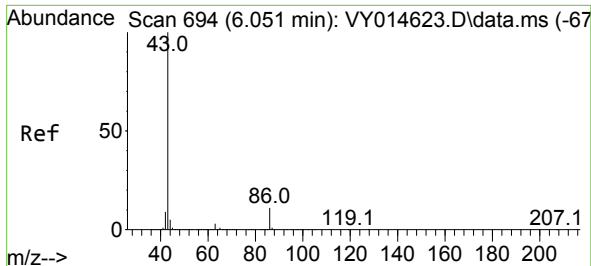
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#18
Methyl Acetate
Concen: 1.871 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.007 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

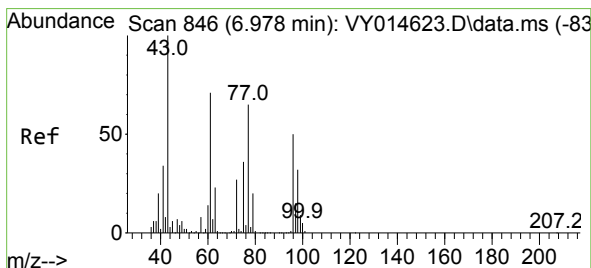
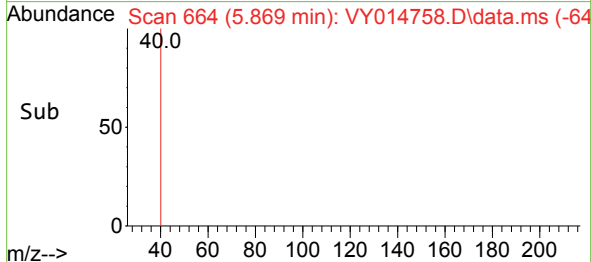
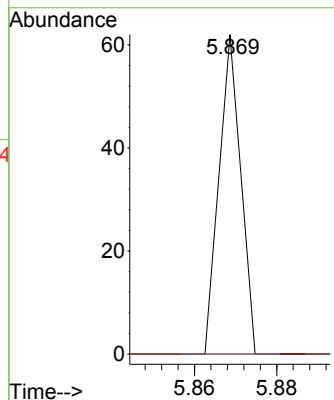
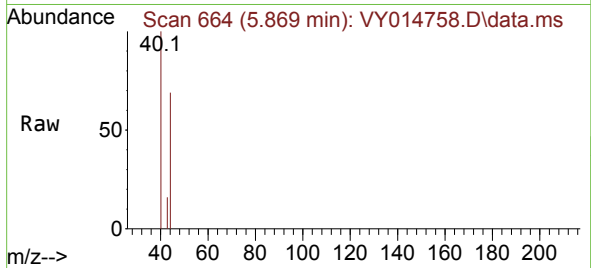




#23
 Vinyl Acetate
 Concen: 1.078 ug/l
 RT: 5.869 min Scan# 64
 Delta R.T. -0.182 min
 Lab File: VY014758.D
 Acq: 21 Jul 2023 19:40

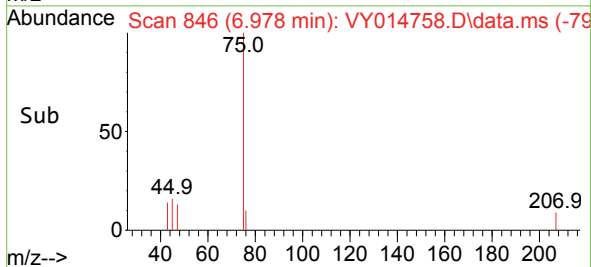
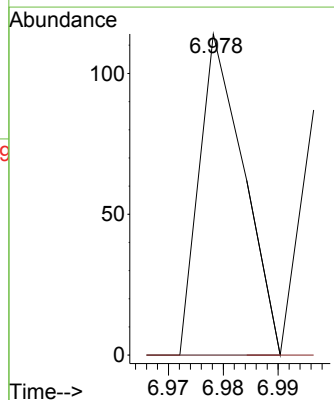
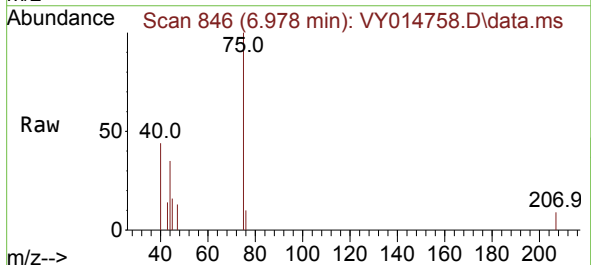
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21B

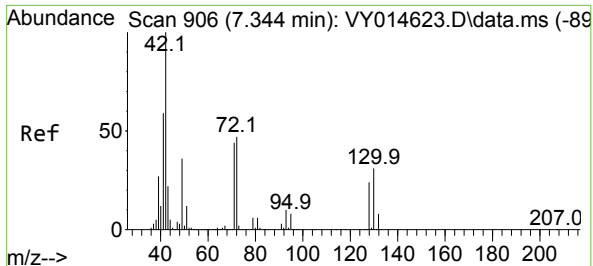
Tgt Ion: 43 Resp: 23
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 12.078 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY014758.D
 Acq: 21 Jul 2023 19:40

Tgt Ion: 43 Resp: 64
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.5 30.7#





#29

Tetrahydrofuran

Concen: 6.130 ug/l

RT: 7.545 min Scan# 91

Delta R.T. 0.201 min

Lab File: VY014758.D

Acq: 21 Jul 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

B-P21B

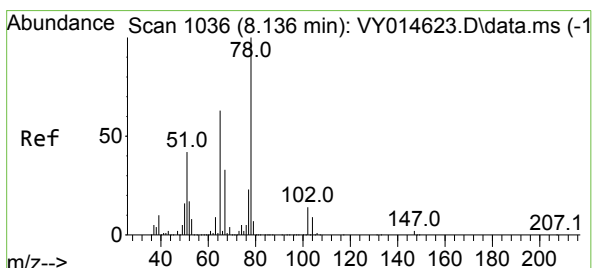
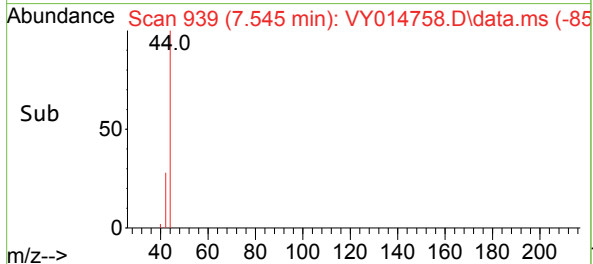
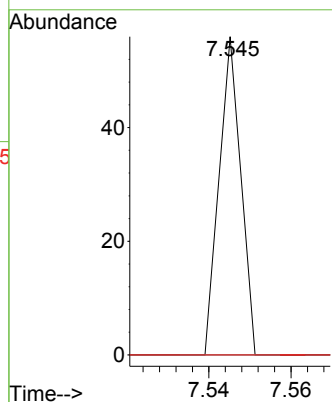
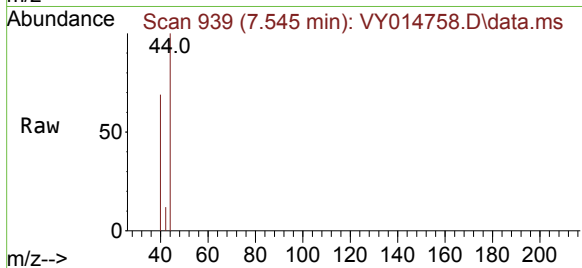
Tgt Ion: 42 Resp: 20

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: 65.007 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY014758.D

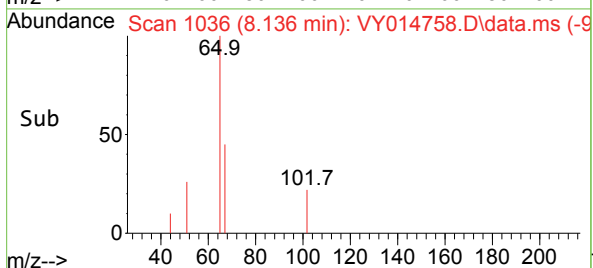
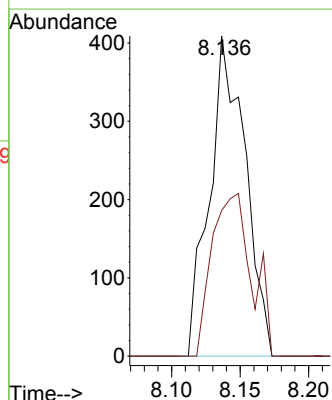
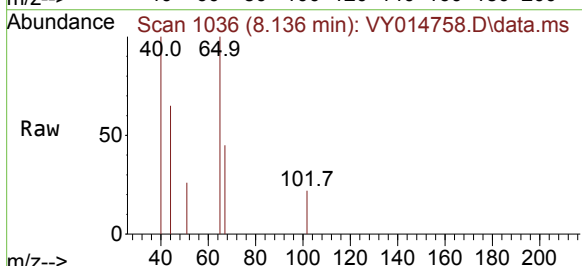
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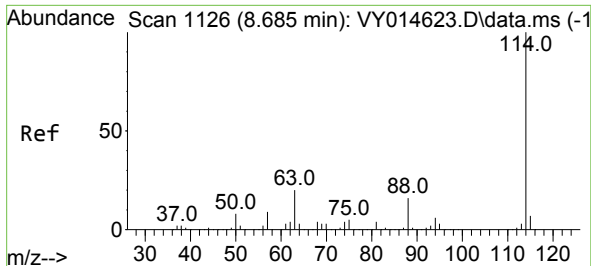
Tgt Ion: 65 Resp: 743

Ion Ratio Lower Upper

65 100

67 56.5 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: VY014758.D

Acq: 21 Jul 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

B-P21B

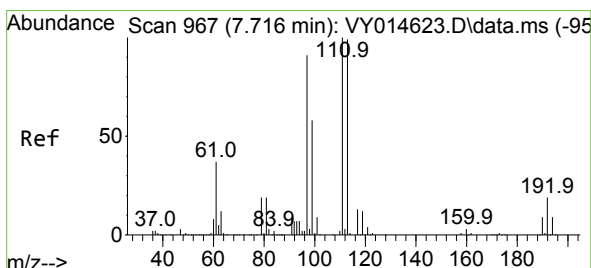
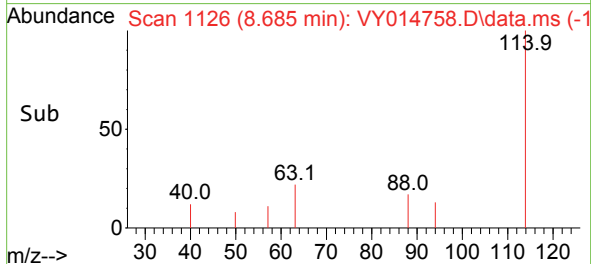
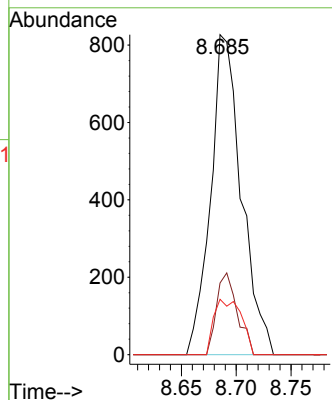
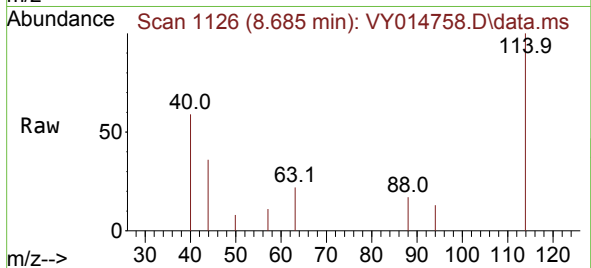
Tgt Ion:114 Resp: 1612

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

88 17.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 20.465 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014758.D

Acq: 21 Jul 2023 19:40

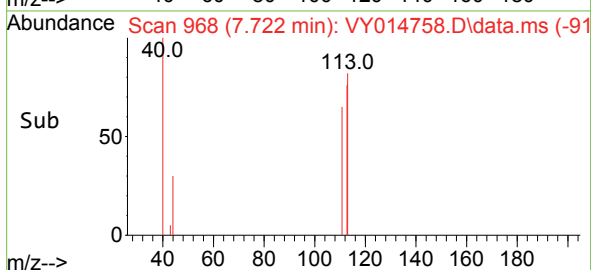
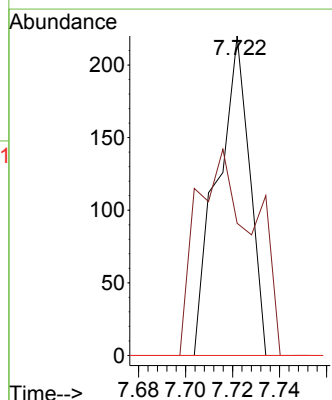
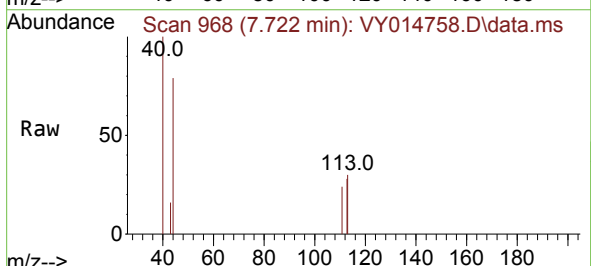
Tgt Ion:113 Resp: 210

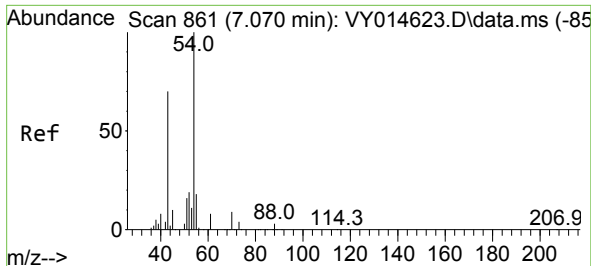
Ion Ratio Lower Upper

113 100

111 112.9 81.3 121.9

192 0.0 16.9 25.3#





#37

Ethyl Acetate

Concen: 3.881 ug/l

RT: 7.112 min Scan# 80

Delta R.T. 0.042 min

Lab File: VY014758.D

Acq: 21 Jul 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

B-P21B

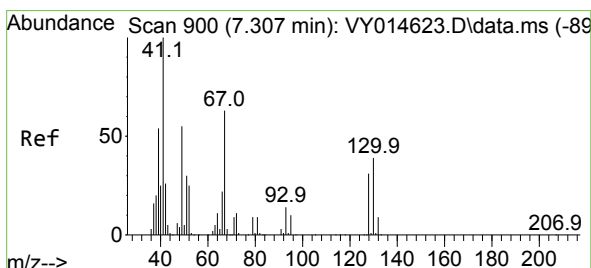
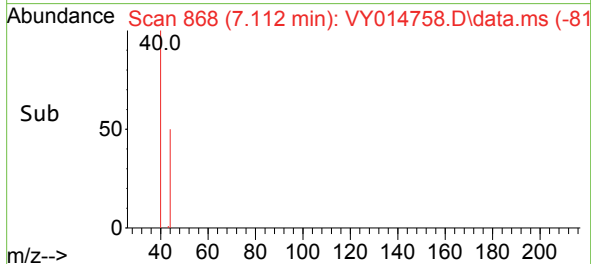
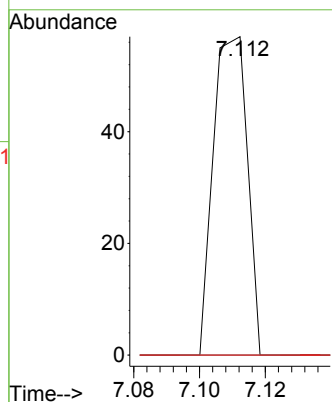
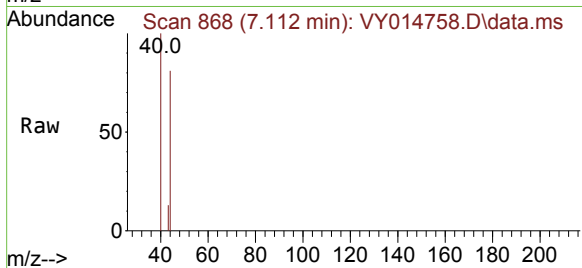
Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#41

Methacrylonitrile

Concen: 5.336 ug/l

RT: 7.320 min Scan# 902

Delta R.T. 0.013 min

Lab File: VY014758.D

Acq: 21 Jul 2023 19:40

Tgt Ion: 41 Resp: 29

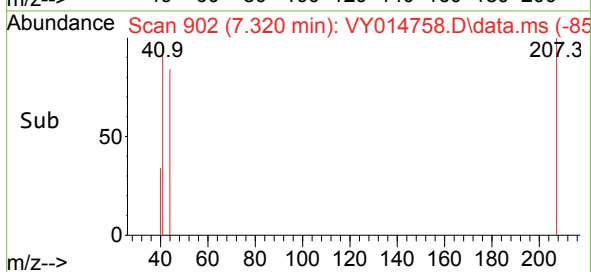
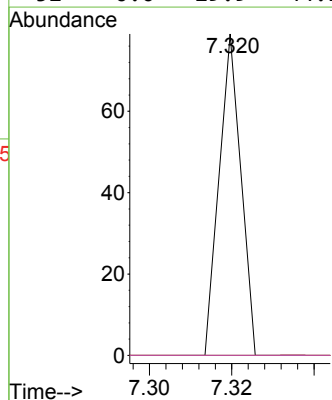
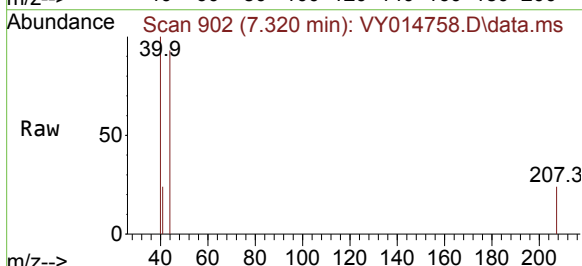
Ion Ratio Lower Upper

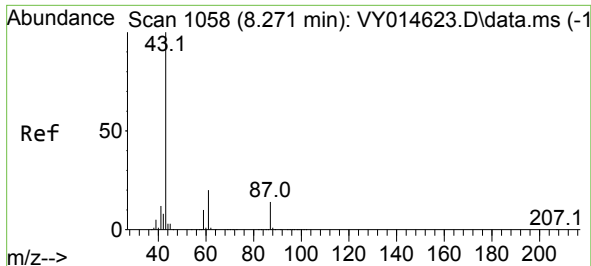
41 100

39 0.0 52.1 78.1#

67 0.0 66.2 99.2#

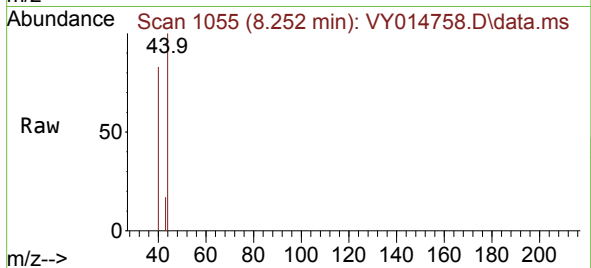
52 0.0 29.9 44.9#



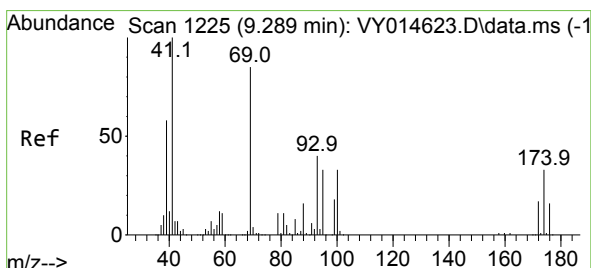
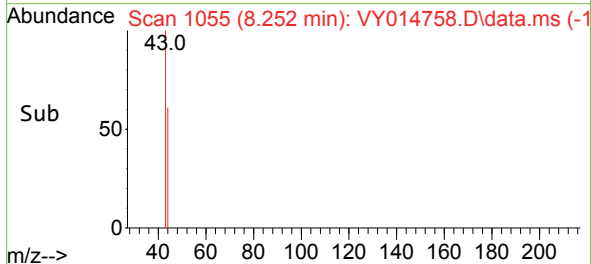
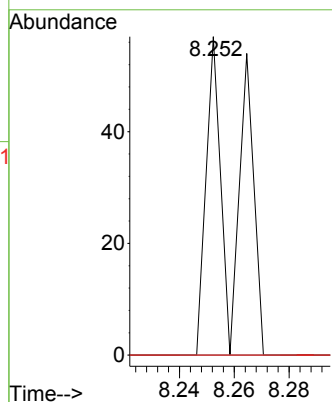


#43
Isopropyl Acetate
Concen: 2.037 ug/l
RT: 8.252 min Scan# 1055
Delta R.T. -0.019 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

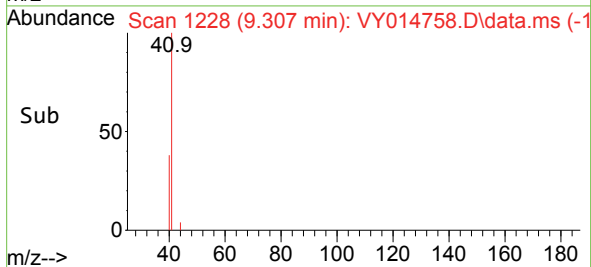
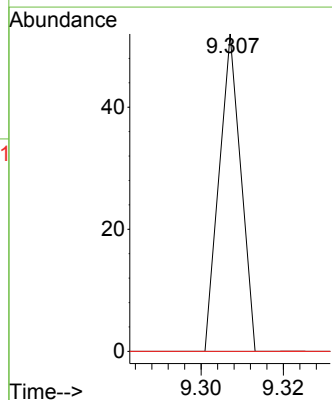
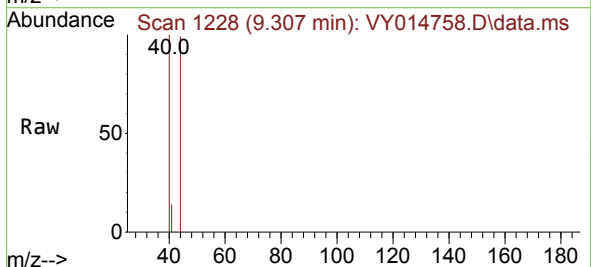


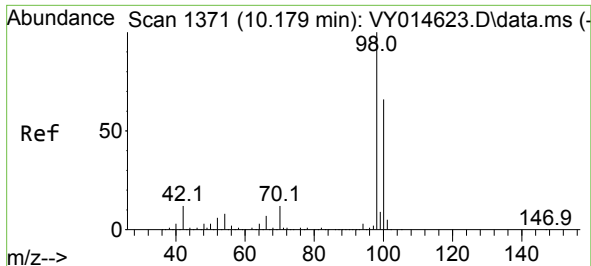
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#



#48
Methyl methacrylate
Concen: 2.098 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.018 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#

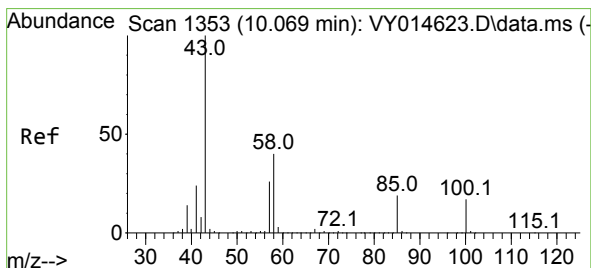
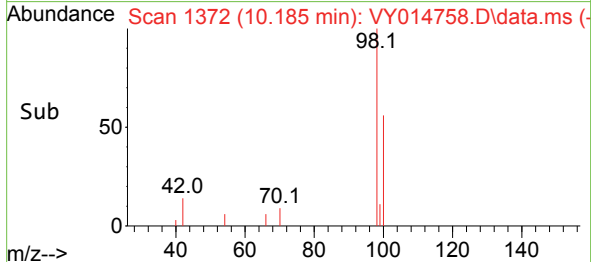
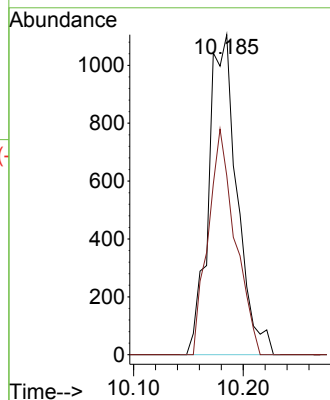
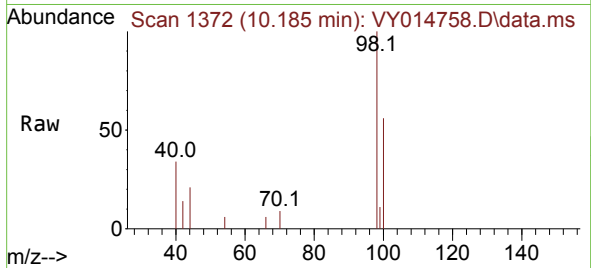




#50
Toluene-d8
Concen: 52.653 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

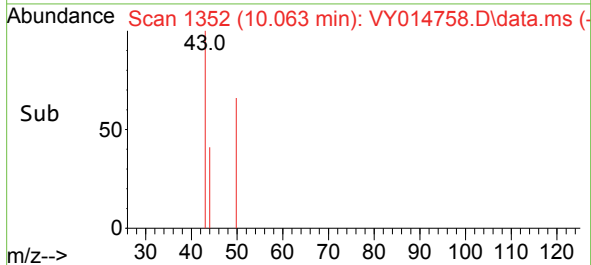
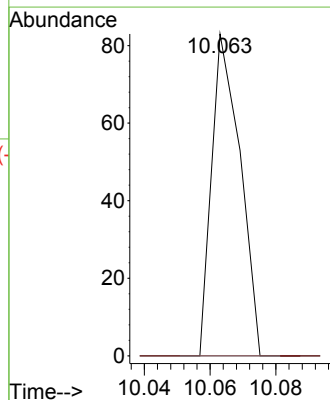
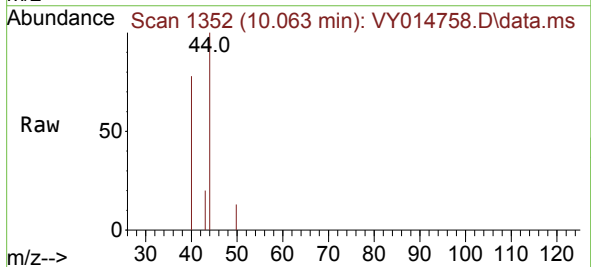
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

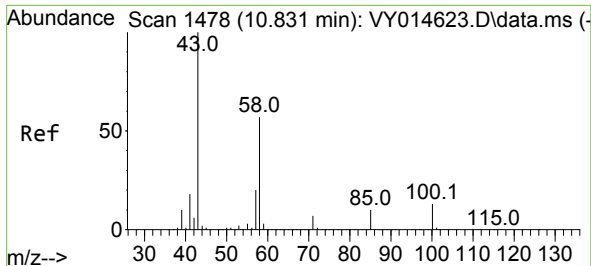
Tgt Ion: 98 Resp: 1992
Ion Ratio Lower Upper
98 100
100 66.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 4.732 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

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

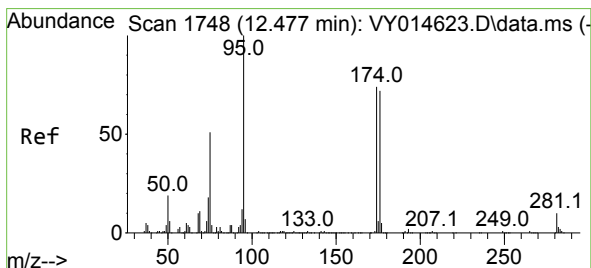
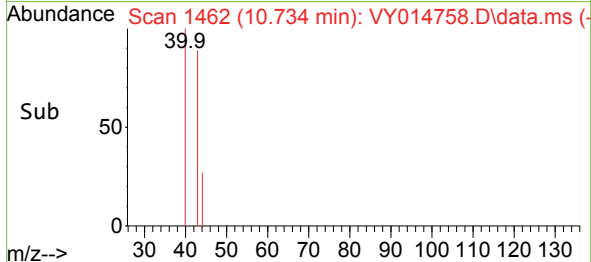
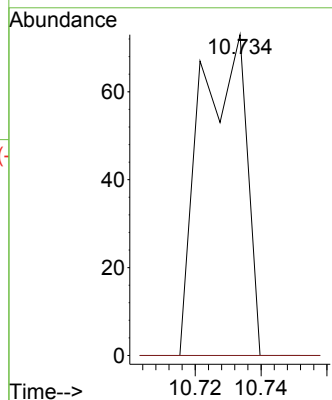
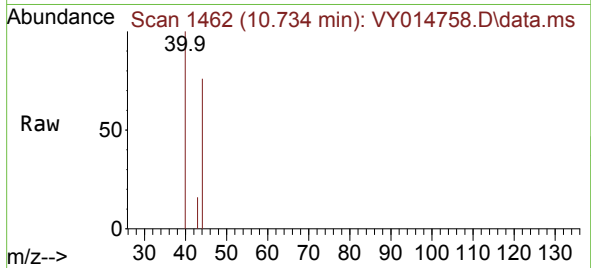




#59
2-Hexanone
Concen: 9.213 ug/l
RT: 10.734 min Scan# 1478
Delta R.T. -0.097 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

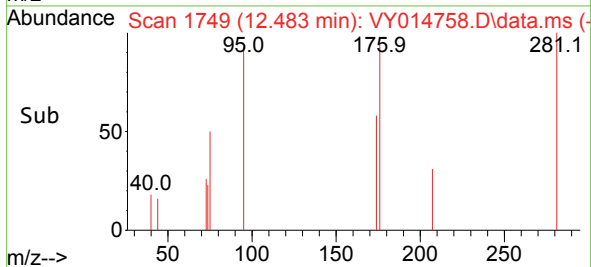
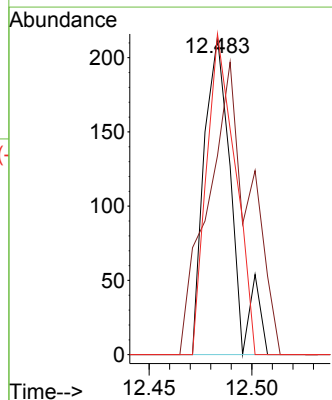
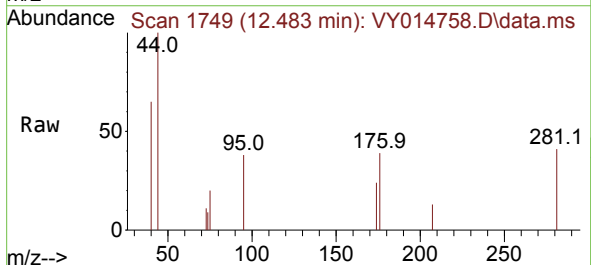
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

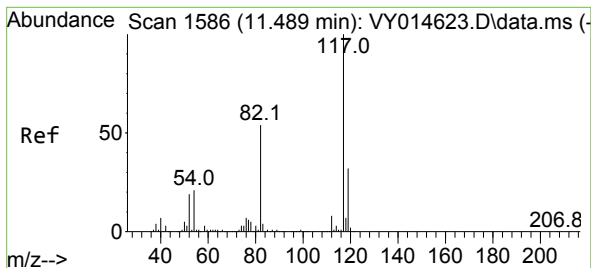
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 13.718 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion: 95 Resp: 199
Ion Ratio Lower Upper
95 100
174 139.2 0.0 178.2
176 105.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014758.D

Acq: 21 Jul 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

B-P21B

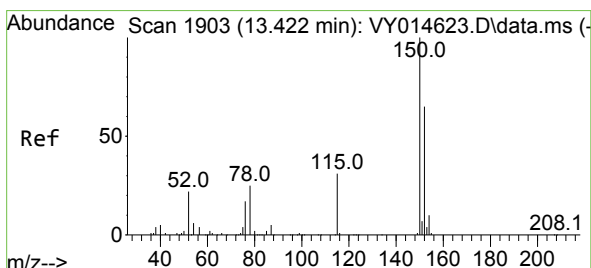
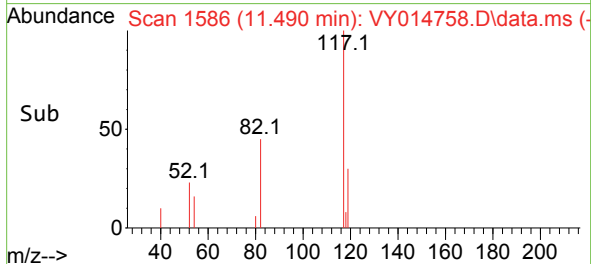
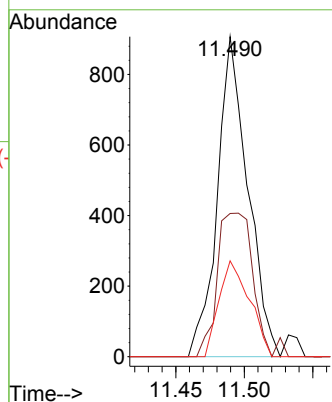
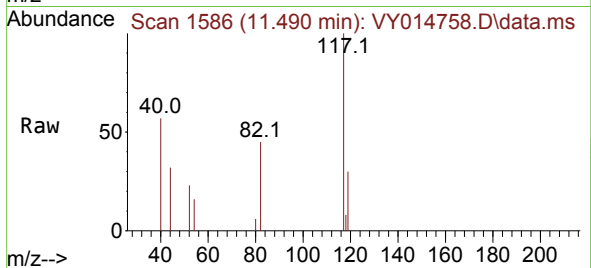
Tgt Ion:117 Resp: 1402

Ion Ratio Lower Upper

117 100

82 44.8 43.4 65.0

119 30.0 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: VY014758.D

Acq: 21 Jul 2023 19:40

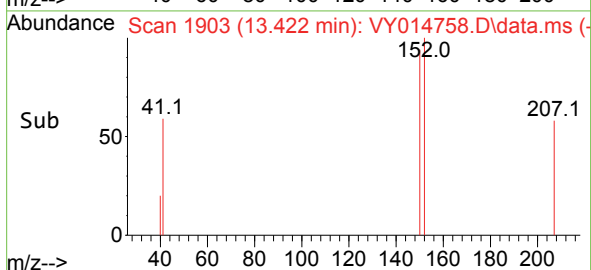
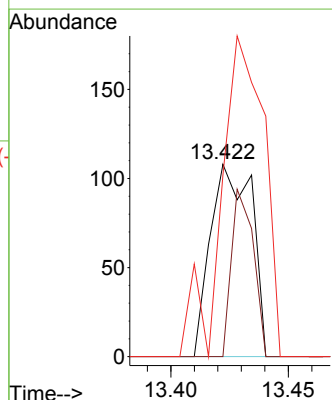
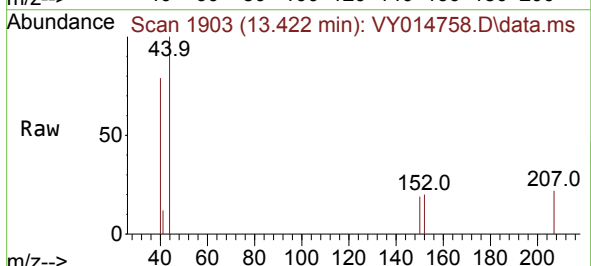
Tgt Ion:152 Resp: 132

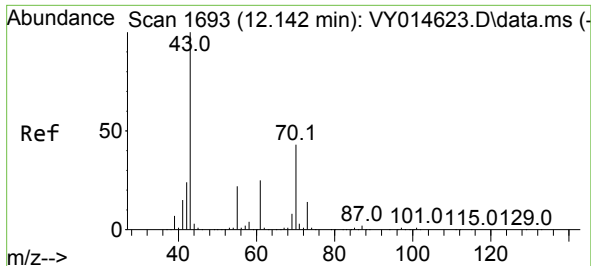
Ion Ratio Lower Upper

152 100

115 46.2 28.8 86.5

150 172.7 0.0 348.8

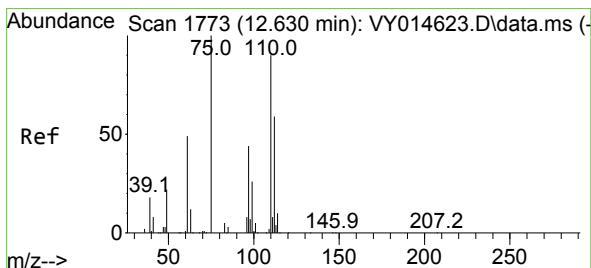
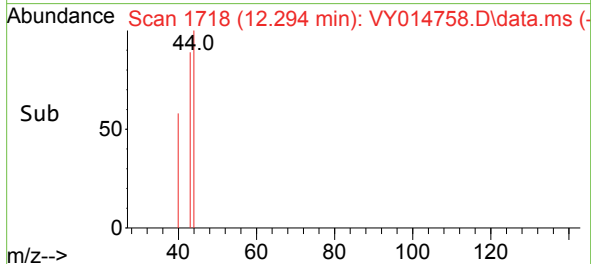
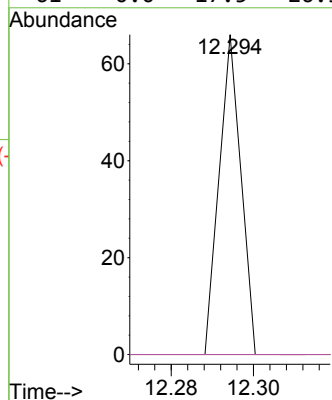
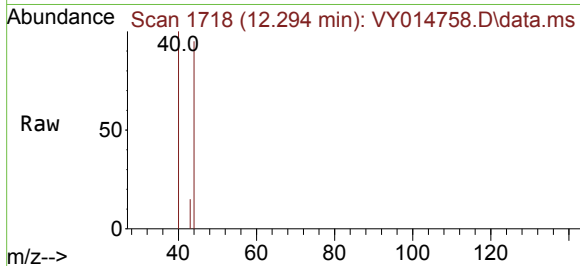




#74
N-amy1 acetate
Concen: 6.933 ug/l
RT: 12.294 min Scan# 1718
Delta R.T. 0.152 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

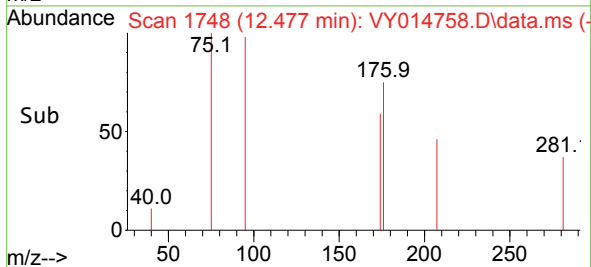
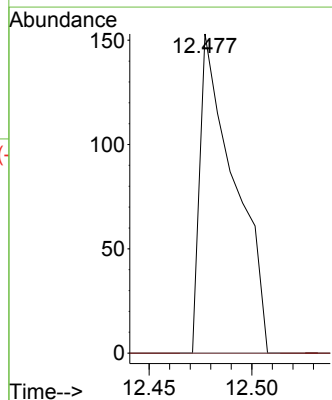
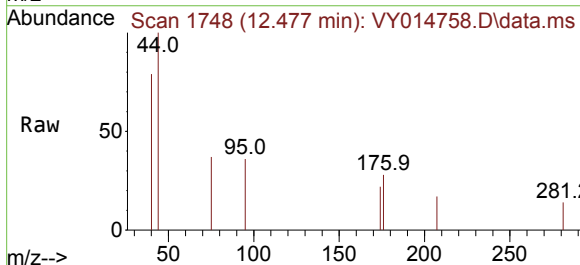
Instrument :
MSVOA_Y
ClientSampleId :
B-P21B

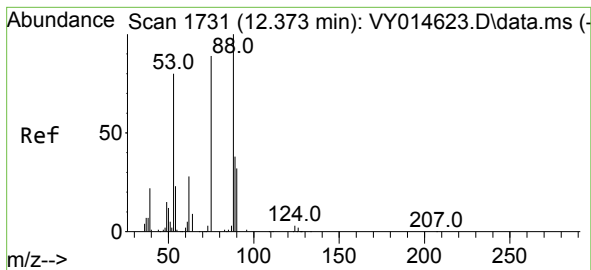
Tgt Ion: 43	Resp: 24
Ion Ratio	Lower Upper
43 100	
70 0.0	29.7 44.5#
55 0.0	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 106.771 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014758.D
Acq: 21 Jul 2023 19:40

Tgt Ion: 75	Resp: 178
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 206.727 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014758.D
 Acq: 21 Jul 2023 19:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P21B

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

