

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014754.D
 Acq On : 21 Jul 2023 18:05
 Operator : SY/MD
 Sample : 03706-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P10B

Quant Time: Jul 22 05:40:22 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	249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	455	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	288	101.500	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	203.000%#
35) Dibromofluoromethane	7.722	113	20	4.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.180%#
50) Toluene-d8	10.179	98	680	42.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.600%
62) 4-Bromofluorobenzene	12.489	95	121	19.629	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.260%

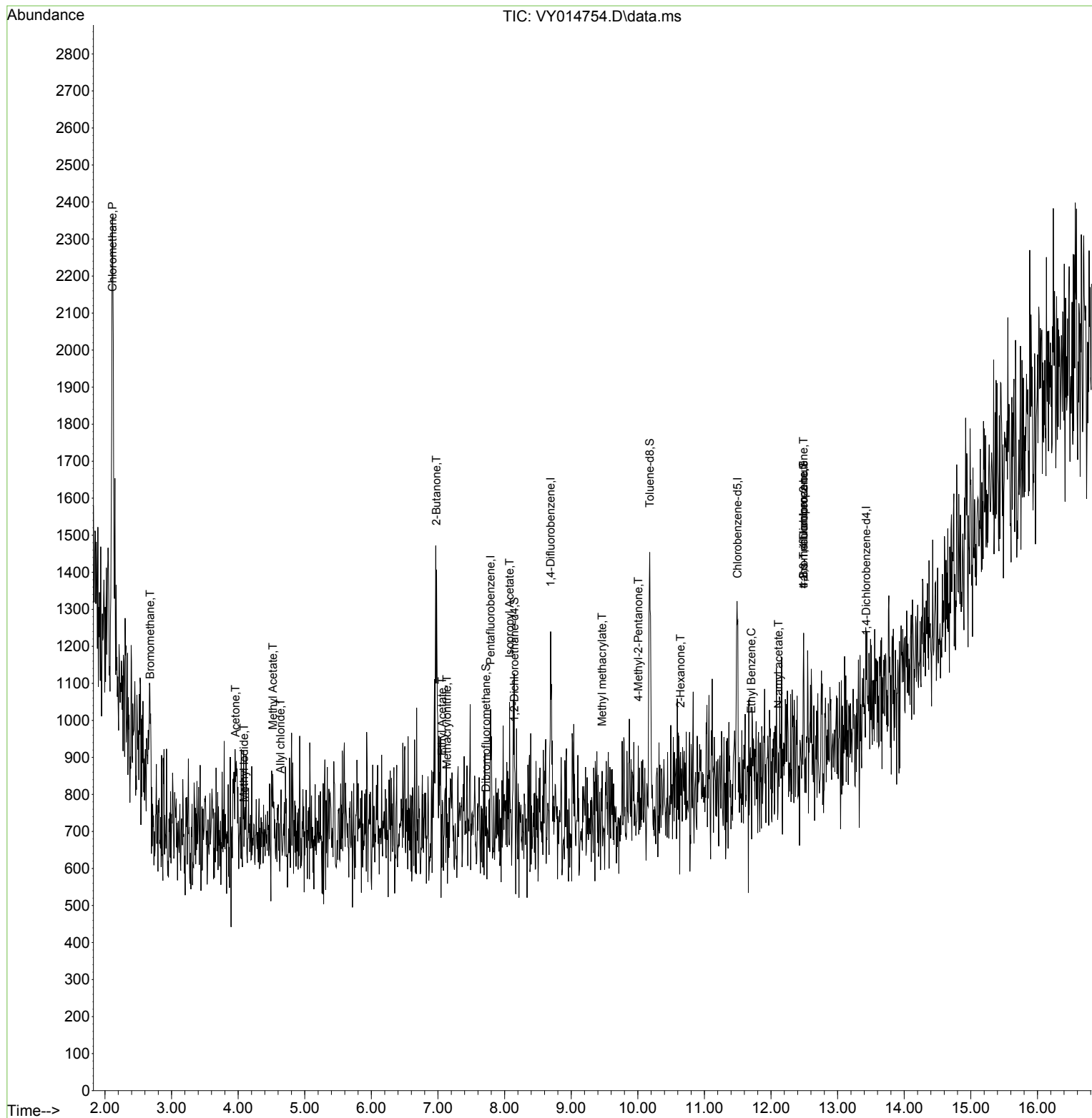
Target Compounds						Qvalue
3) Chloromethane	2.113	50	24	10.525	ug/l #	43
5) Bromomethane	2.680	94	41	24.343	ug/l	95
10) Methyl Iodide	4.088	142	27	11.618	ug/l #	38
14) Allyl chloride	4.637	41	27	6.202	ug/l #	22
16) Acetone	3.960	43	315	350.330	ug/l #	46
18) Methyl Acetate	4.521	43	20	5.796	ug/l #	54
25) 2-Butanone	6.978	43	81	61.576	ug/l #	49
37) Ethyl Acetate	7.063	43	44	9.800	ug/l #	71
41) Methacrylonitrile	7.137	41	25	10.826	ug/l #	17
43) Isopropyl Acetate	8.075	43	44	5.145	ug/l #	55
48) Methyl methacrylate	9.465	41	20	5.197	ug/l #	13
51) 4-Methyl-2-Pentanone	10.008	43	20	4.454	ug/l #	39
59) 2-Hexanone	10.642	43	19	5.802	ug/l #	27
67) Ethyl Benzene	11.703	91	19	1.085	ug/l #	44
74) N-amyl acetate	12.111	43	46	17.197	ug/l #	46
76) 1,2,3-Trichloropropane	12.489	75	26	20.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	26	39.077	ug/l #	10

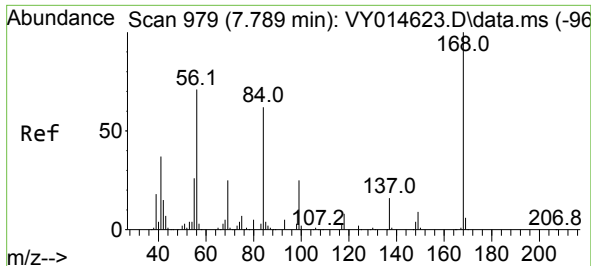
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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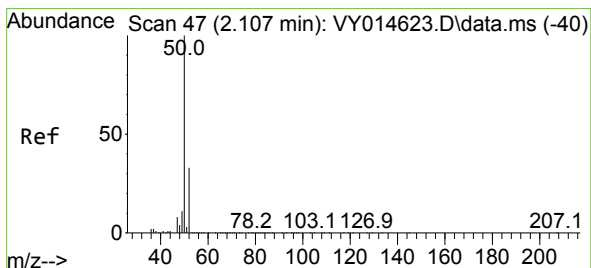
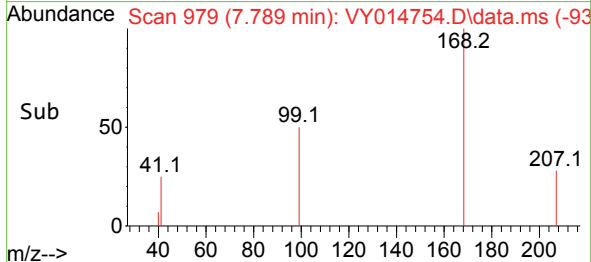
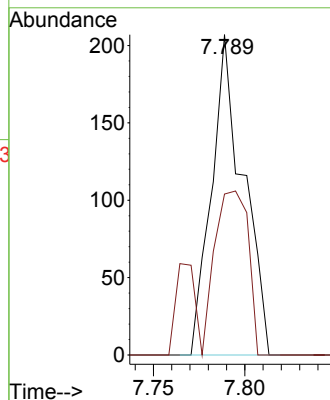
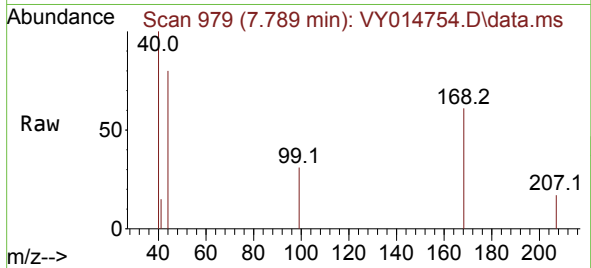




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

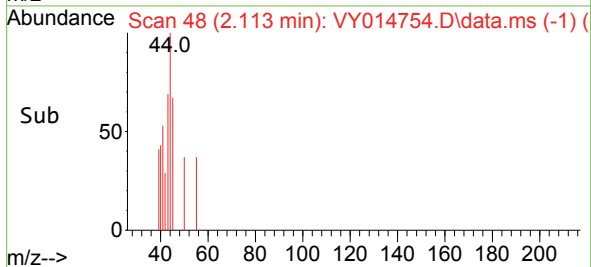
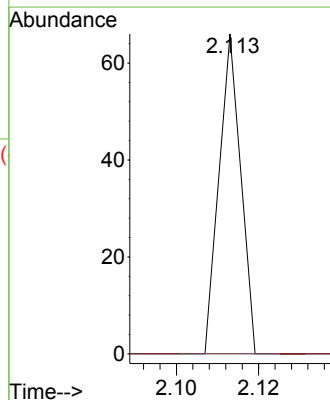
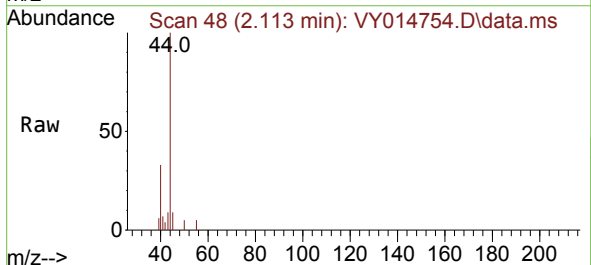
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

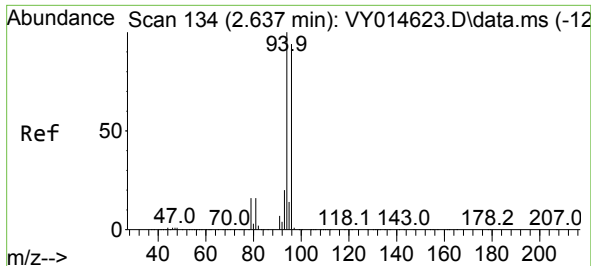
Tgt Ion:168 Resp: 249
Ion Ratio Lower Upper
168 100
99 50.2 43.4 65.0



#3
Chloromethane
Concen: 10.525 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 50 Resp: 24
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

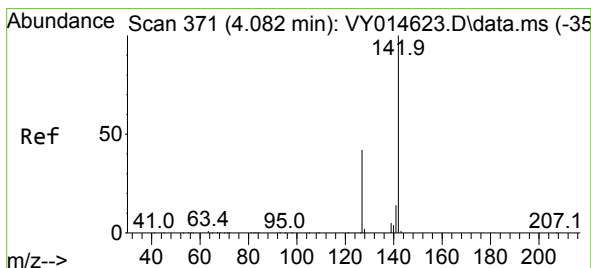
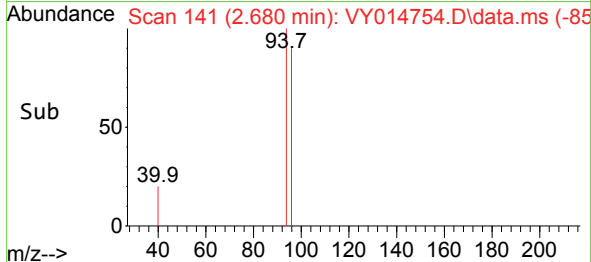
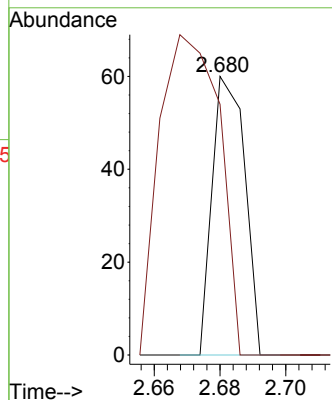
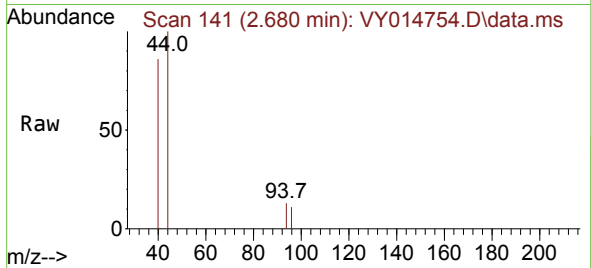




#5
Bromomethane
Concen: 24.343 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.043 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

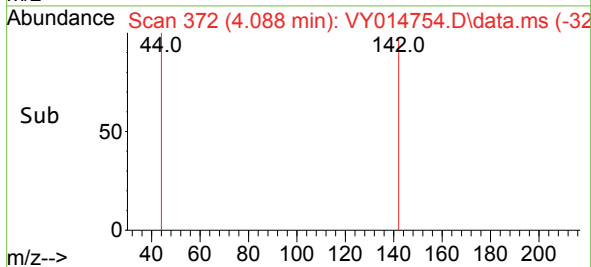
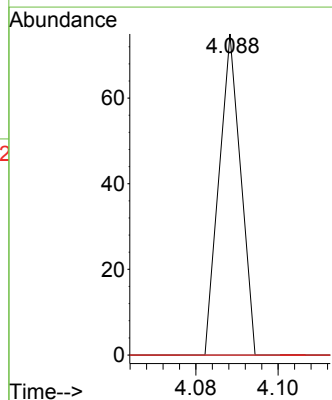
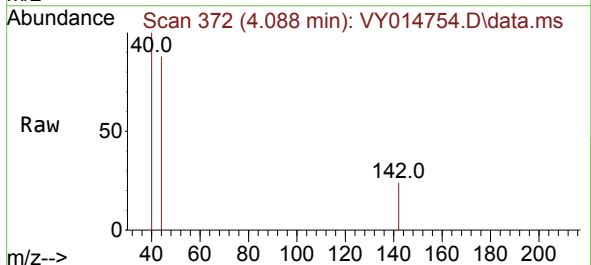
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

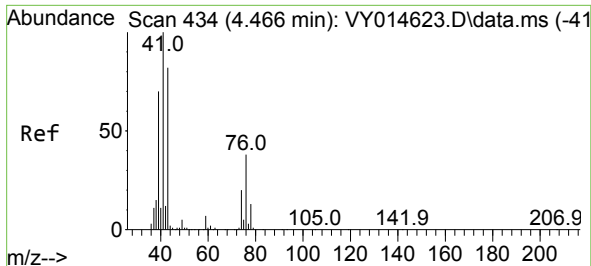
Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 90.0 75.8 113.6



#10
Methyl Iodide
Concen: 11.618 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

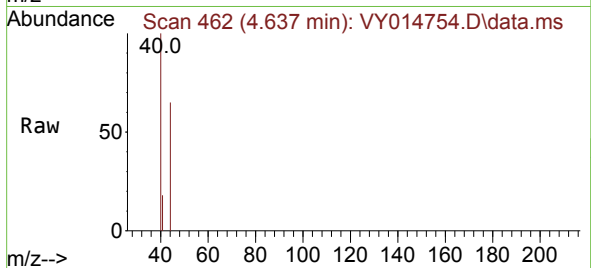
Tgt Ion:142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



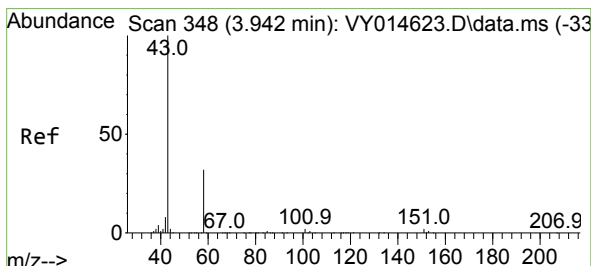
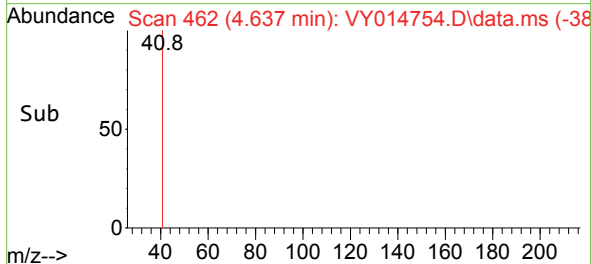
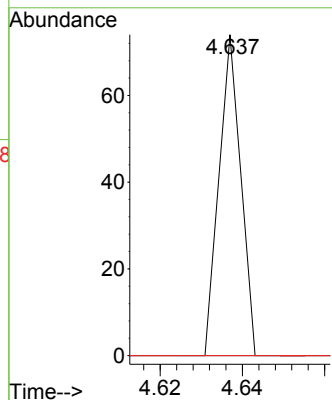


#14
 Allyl chloride
 Concen: 6.202 ug/l
 RT: 4.637 min Scan# 41
 Delta R.T. 0.171 min
 Lab File: VY014754.D
 Acq: 21 Jul 2023 18:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P10B

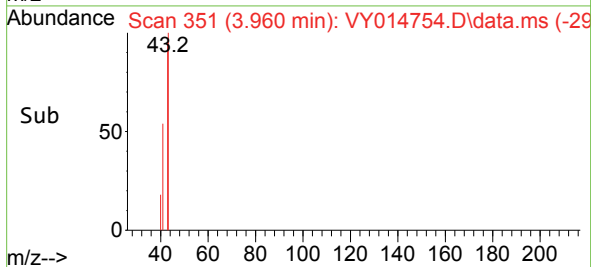
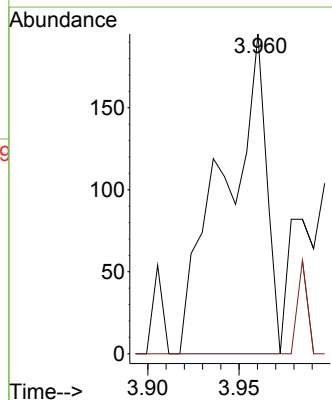
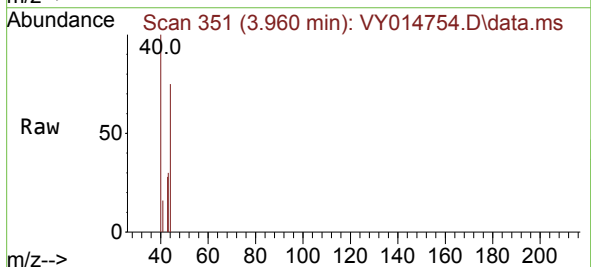


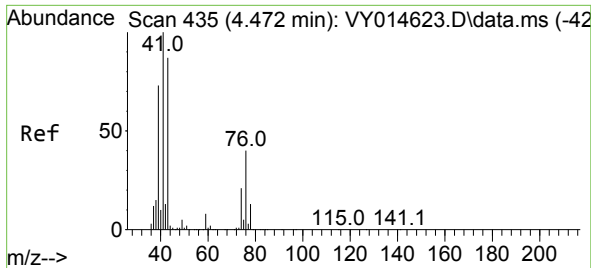
Tgt Ion: 41 Resp: 27
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 27.4 41.2#



#16
 Acetone
 Concen: 350.330 ug/l
 RT: 3.960 min Scan# 351
 Delta R.T. 0.018 min
 Lab File: VY014754.D
 Acq: 21 Jul 2023 18:05

Tgt Ion: 43 Resp: 315
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.7 34.1#





#18

Methyl Acetate

Concen: 5.796 ug/l

RT: 4.521 min Scan# 443

Delta R.T. 0.049 min

Lab File: VY014754.D

Acq: 21 Jul 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

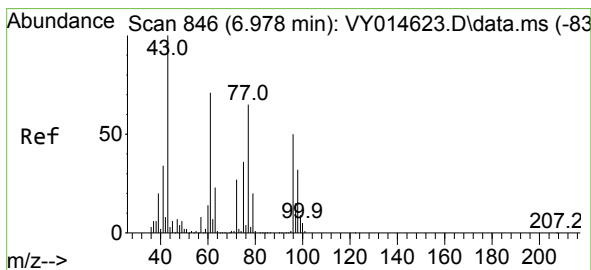
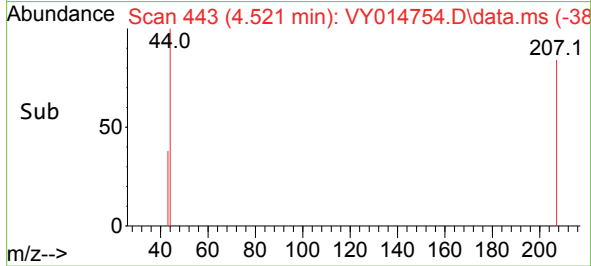
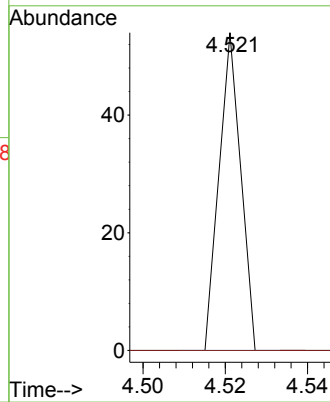
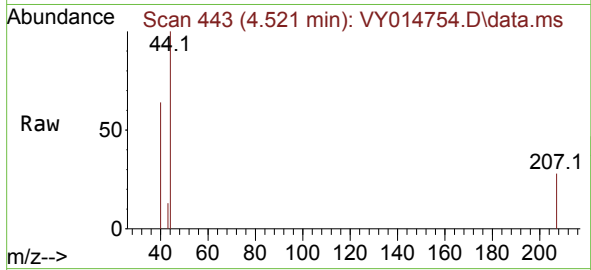
B-P10B

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



#25

2-Butanone

Concen: 61.576 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014754.D

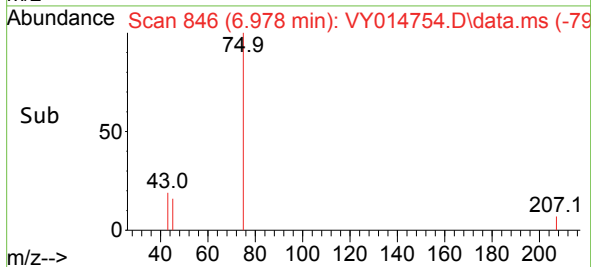
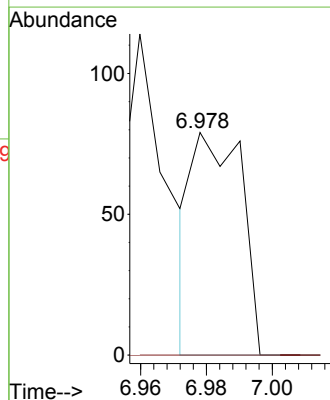
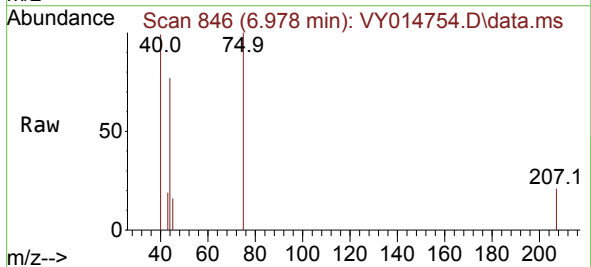
Acq: 21 Jul 2023 18:05

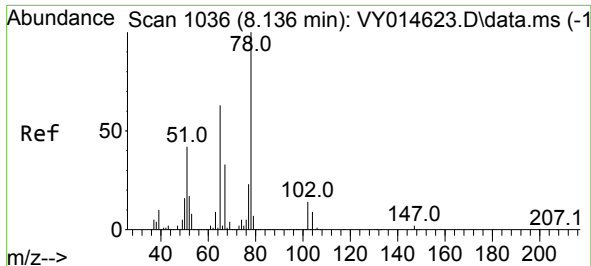
Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

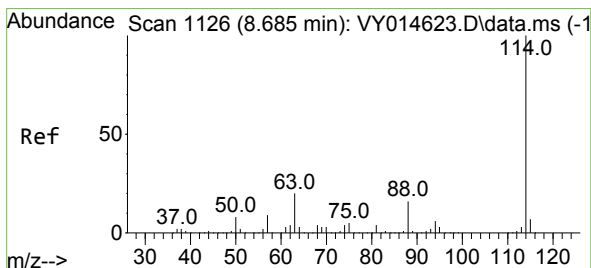
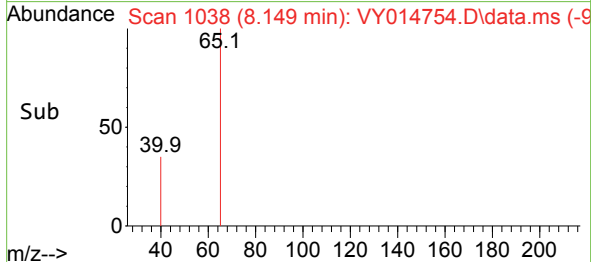
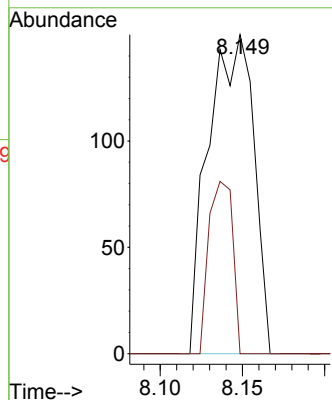
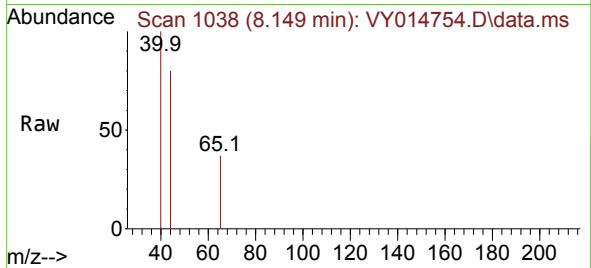




#33
1,2-Dichloroethane-d4
Concen: 101.500 ug/l
RT: 8.149 min Scan# 110
Delta R.T. 0.013 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

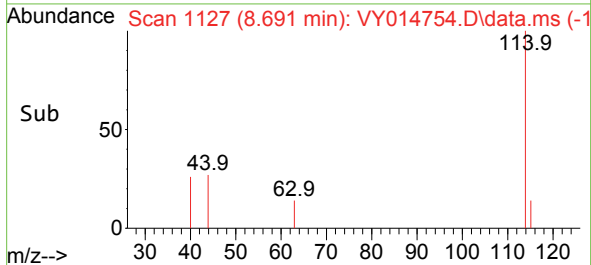
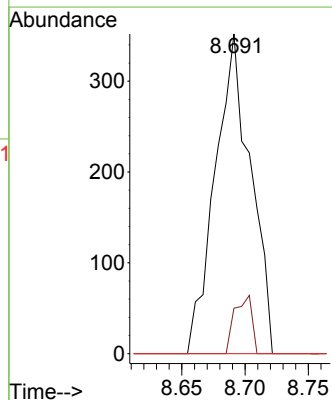
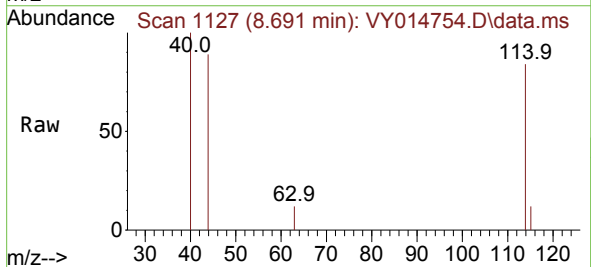
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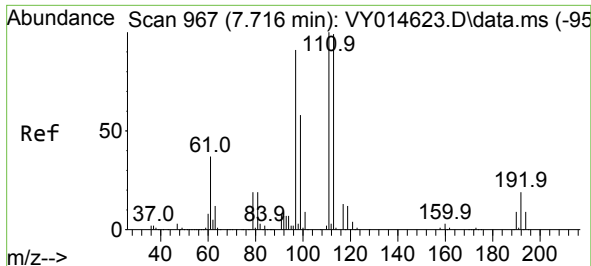
Tgt Ion: 65 Resp: 288
Ion Ratio Lower Upper
65 100
67 28.5 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion:114 Resp: 685
Ion Ratio Lower Upper
114 100
63 14.2 0.0 42.4
88 0.0 0.0 30.6

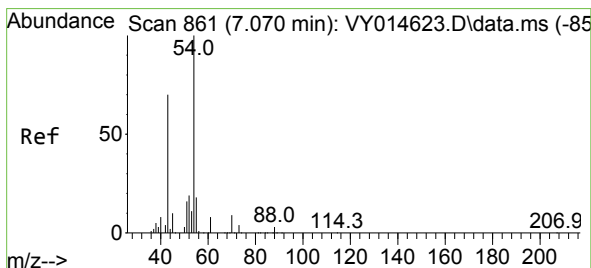
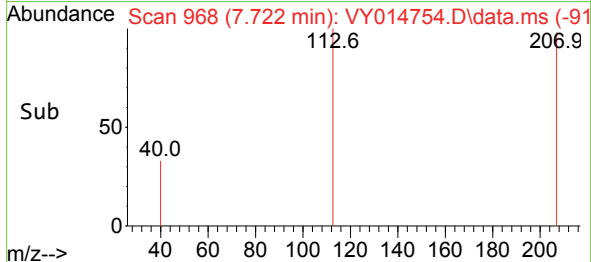
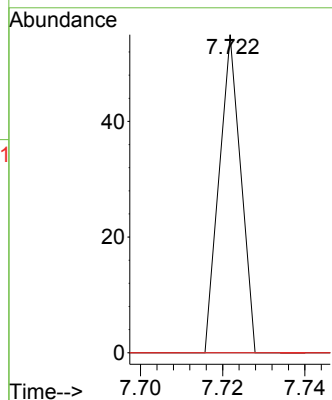
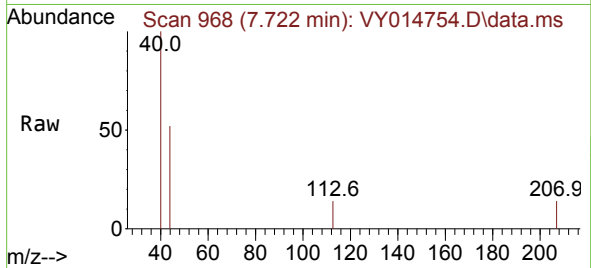




#35
Dibromofluoromethane
Concen: 4.587 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

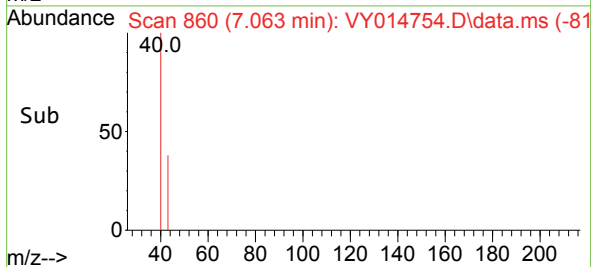
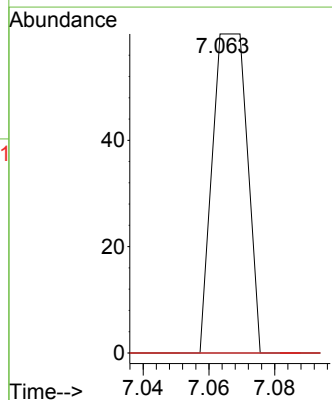
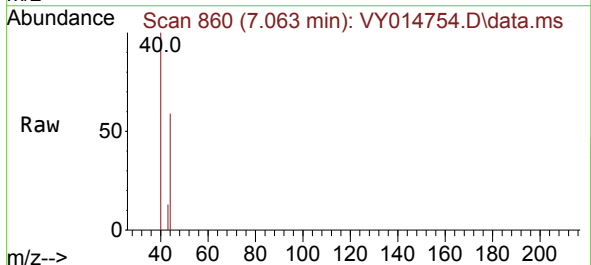
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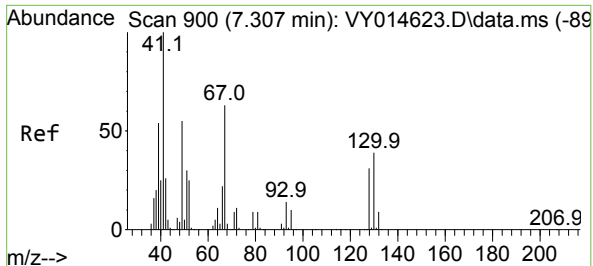
Tgt Ion:113 Resp: 20
Ion Ratio Lower Upper
113 100
111 0.0 81.3 121.9#
192 0.0 16.9 25.3#



#37
Ethyl Acetate
Concen: 9.800 ug/l
RT: 7.063 min Scan# 860
Delta R.T. -0.007 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

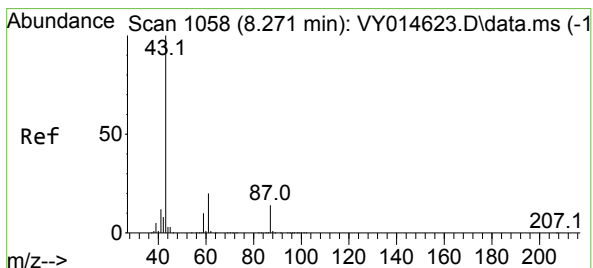
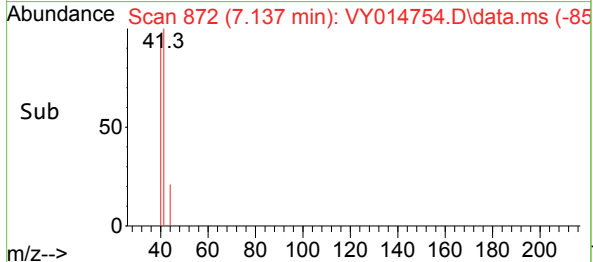
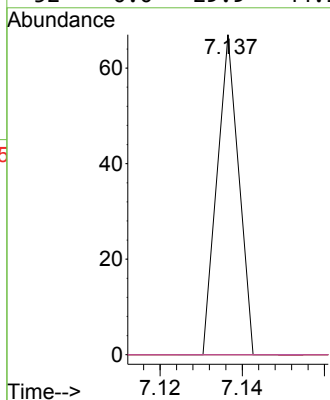
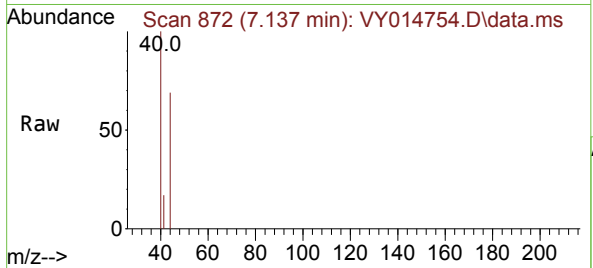




#41
Methacrylonitrile
Concen: 10.826 ug/l
RT: 7.137 min Scan# 81
Delta R.T. -0.170 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

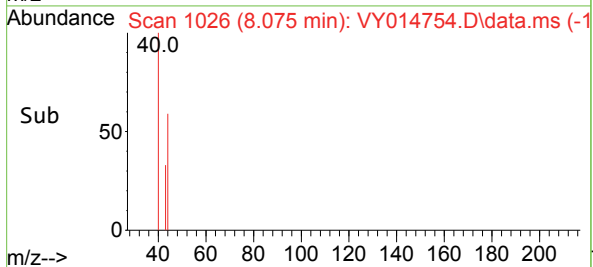
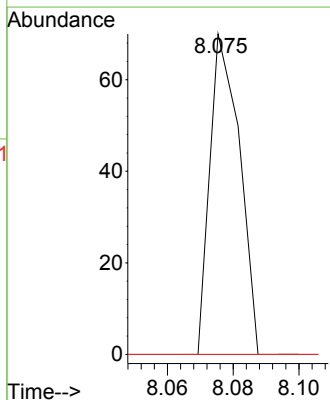
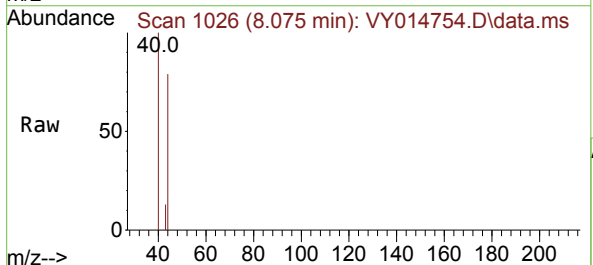
Instrument :
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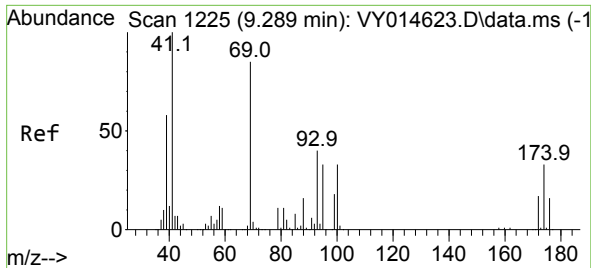
Tgt Ion: 41	Resp: 25
Ion Ratio	Lower Upper
41 100	
39 0.0	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#43
Isopropyl Acetate
Concen: 5.145 ug/l
RT: 8.075 min Scan# 1026
Delta R.T. -0.196 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 43	Resp: 44		
Ion Ratio	Lower	Upper	
43 100			
61 0.0	21.1	31.7#	
87 0.0	9.8	14.8#	

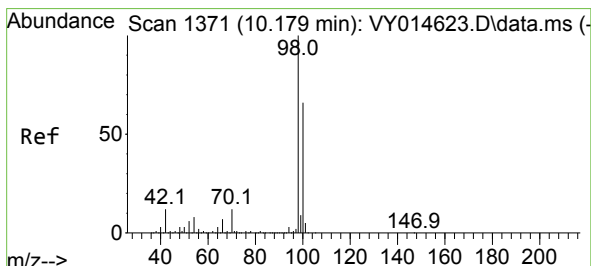
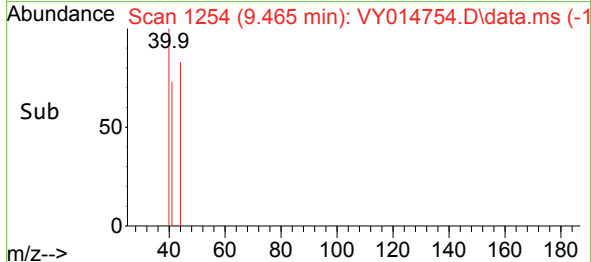
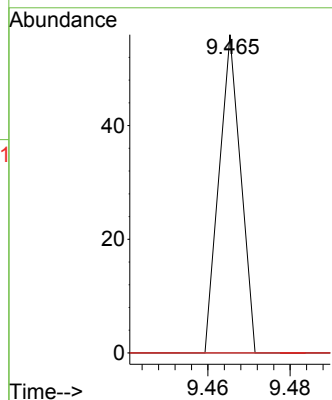
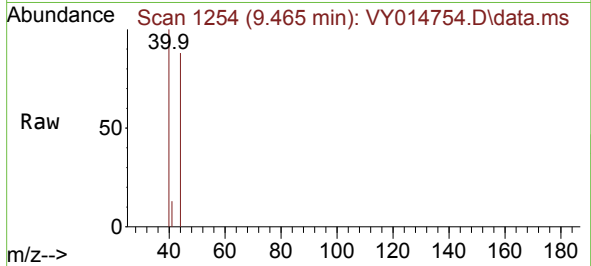




#48
Methyl methacrylate
Concen: 5.197 ug/l
RT: 9.465 min Scan# 1254
Delta R.T. 0.176 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

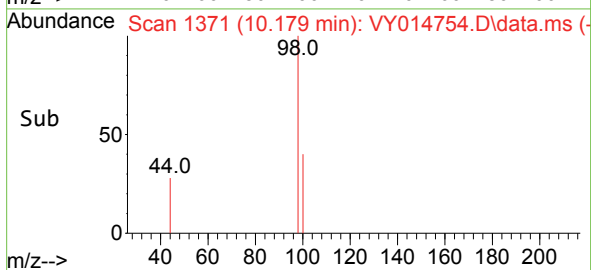
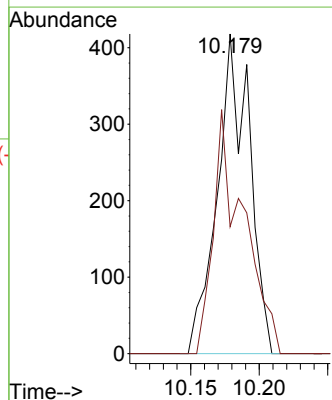
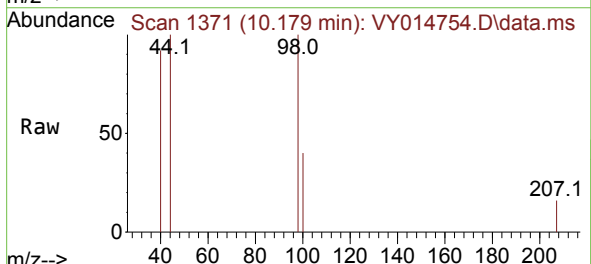
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

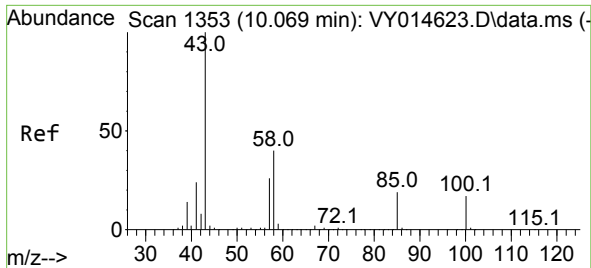
Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 42.298 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 98 Resp: 680
Ion Ratio Lower Upper
98 100
100 71.6 50.1 75.1

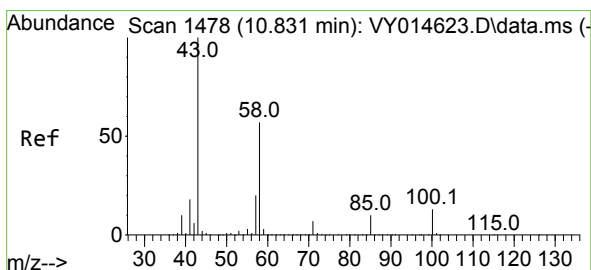
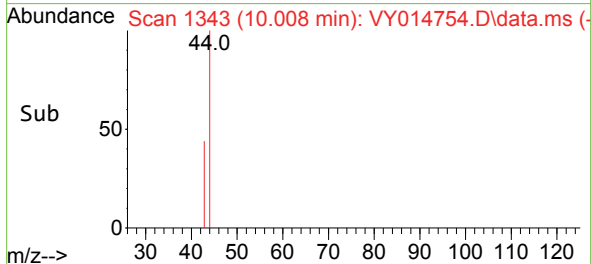
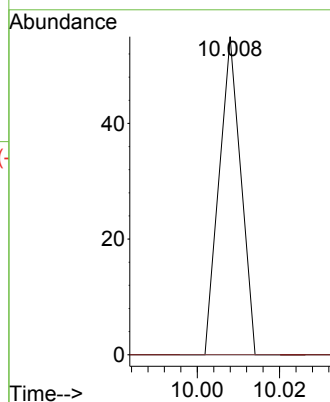
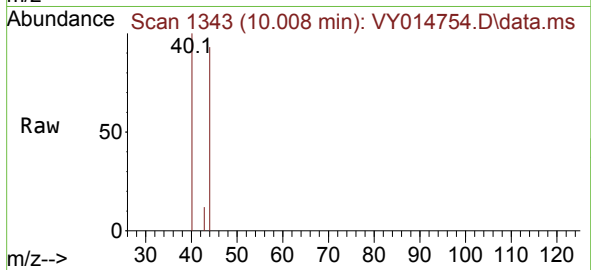




#51
4-Methyl-2-Pentanone
Concen: 4.454 ug/l
RT: 10.008 min Scan# 11
Delta R.T. -0.061 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

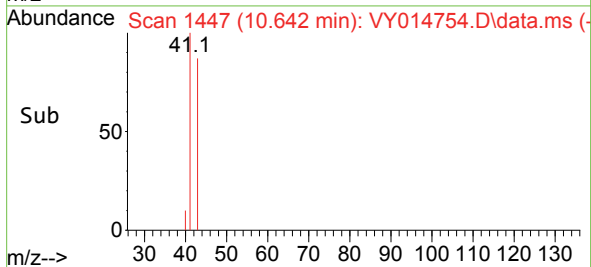
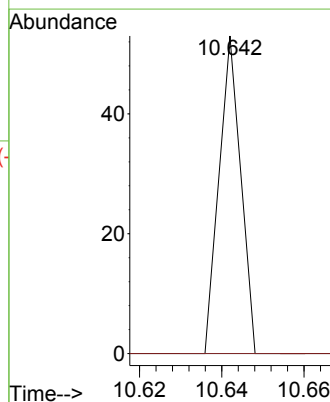
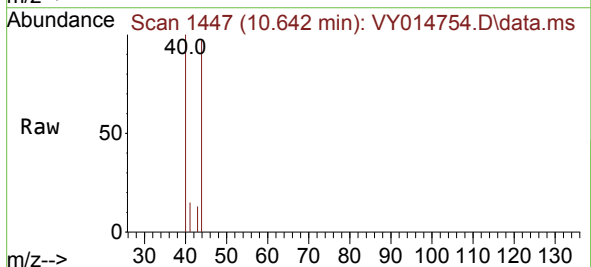
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

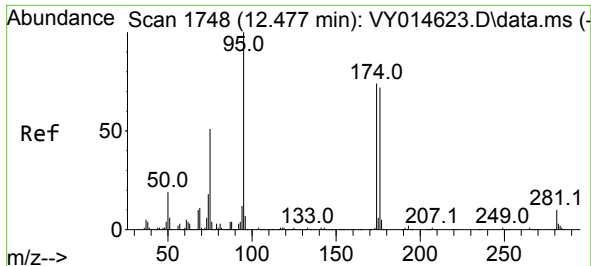
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#59
2-Hexanone
Concen: 5.802 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.189 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

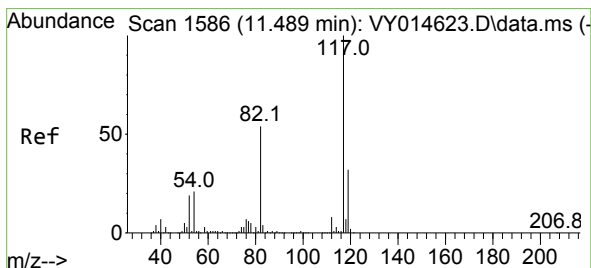
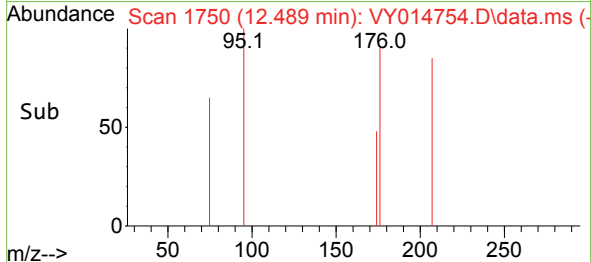
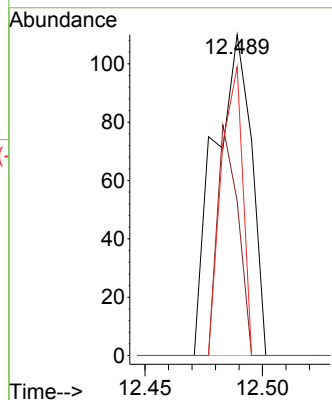
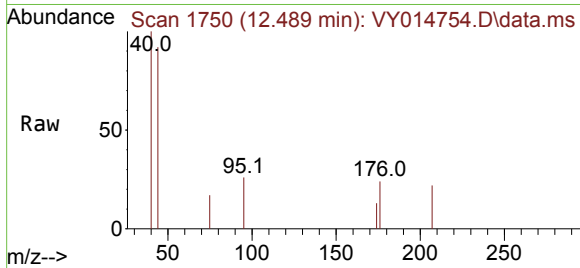




#62
4-Bromofluorobenzene
Concen: 19.629 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

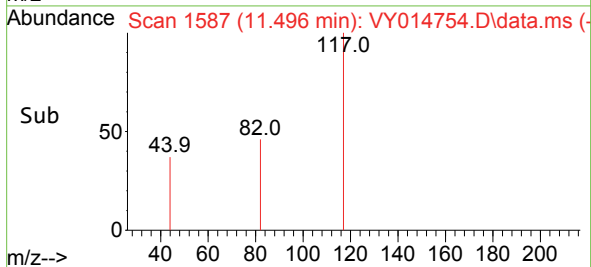
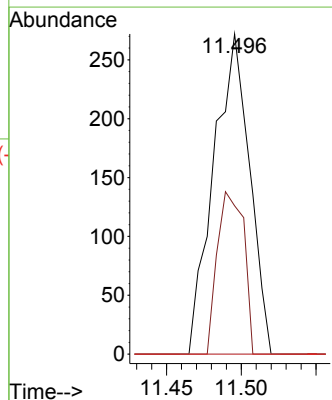
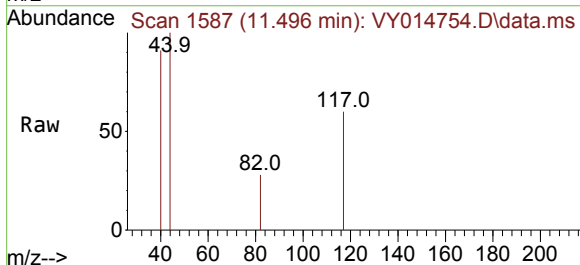
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

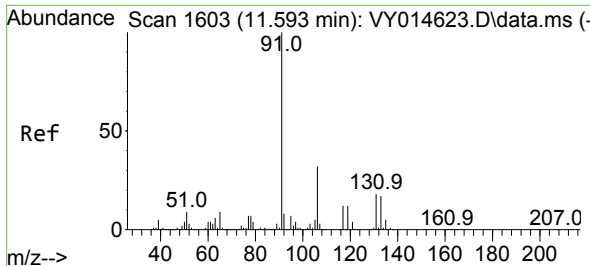
Tgt Ion: 95 Resp: 121
Ion Ratio Lower Upper
95 100
174 39.7 0.0 178.2
176 52.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 117 Resp: 455
Ion Ratio Lower Upper
117 100
82 46.3 43.4 65.0
119 0.0 26.3 39.5#

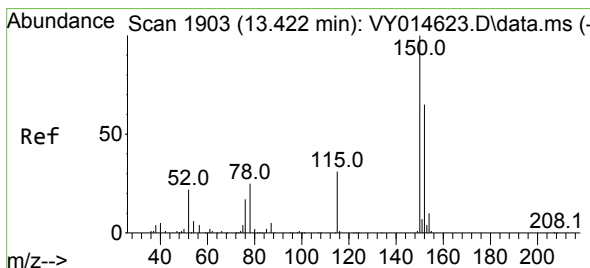
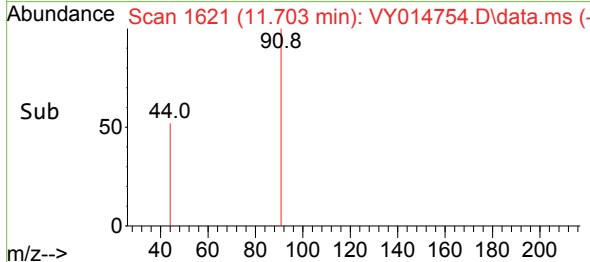
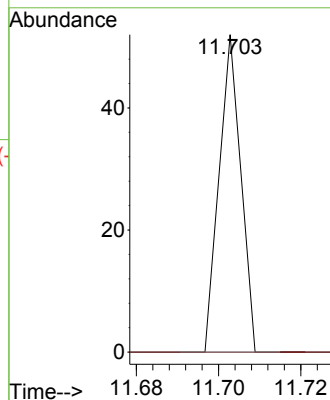
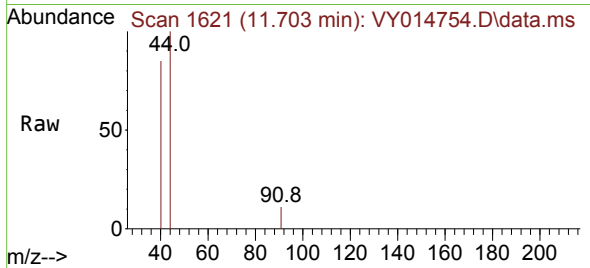




#67
Ethyl Benzene
Concen: 1.085 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

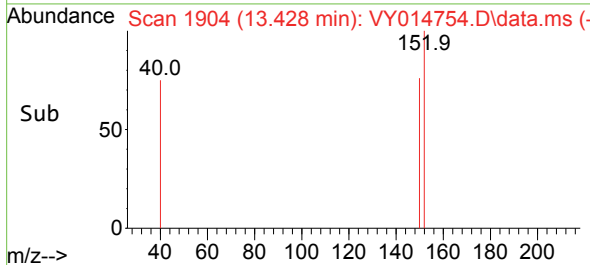
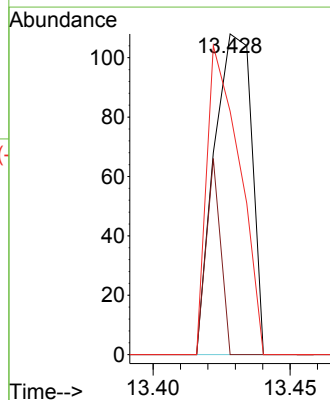
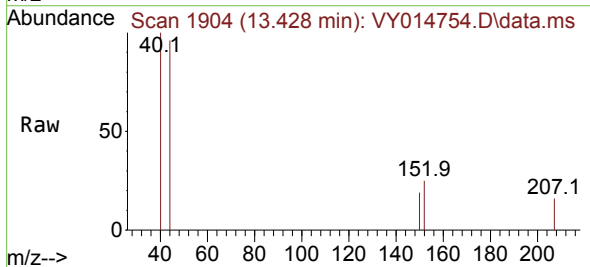
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

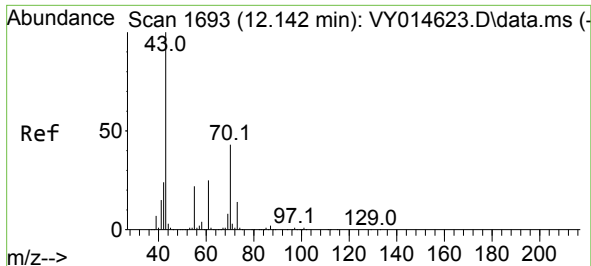
Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
106 0.0 24.6 36.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

Tgt Ion: 152 Resp: 102
Ion Ratio Lower Upper
152 100
115 23.5 28.8 86.5#
150 85.3 0.0 348.8

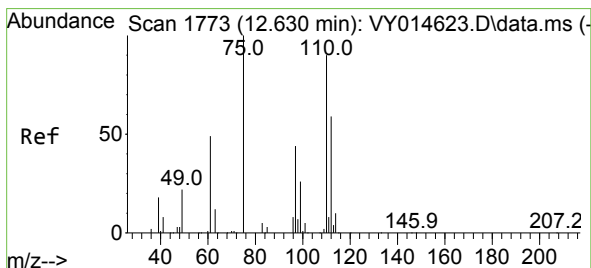
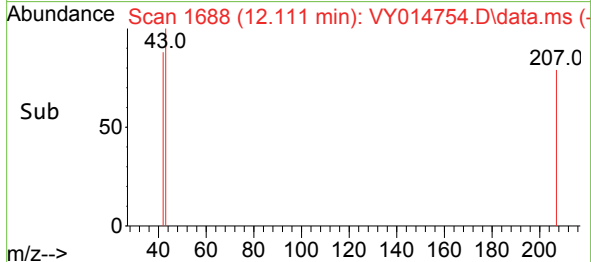
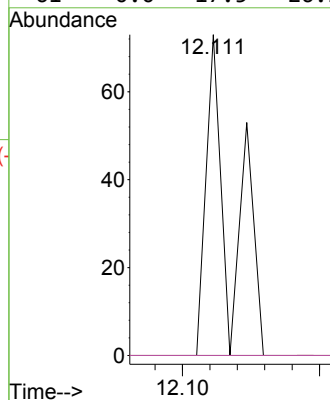
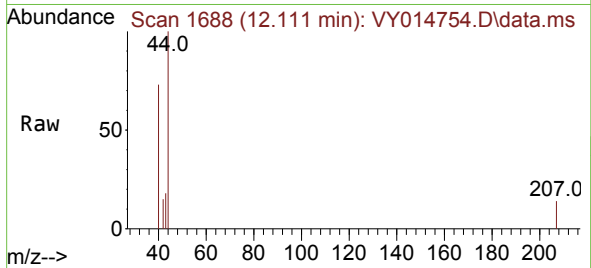




#74
N-amy1 acetate
Concen: 17.197 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

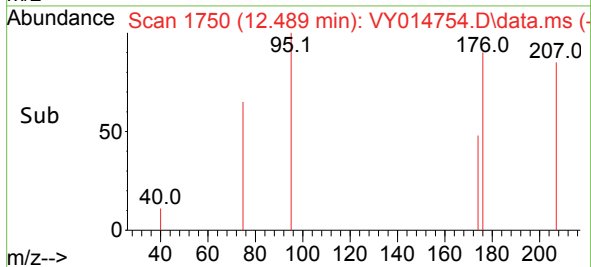
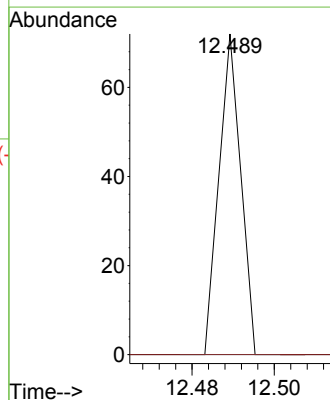
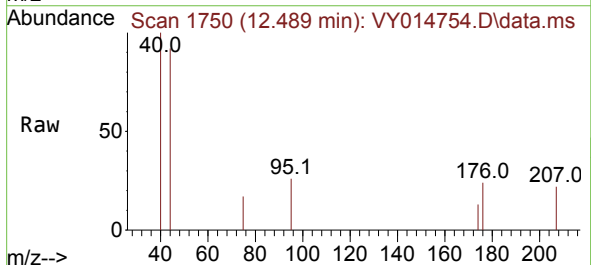
Instrument :
MSVOA_Y
ClientSampleId :
B-P10B

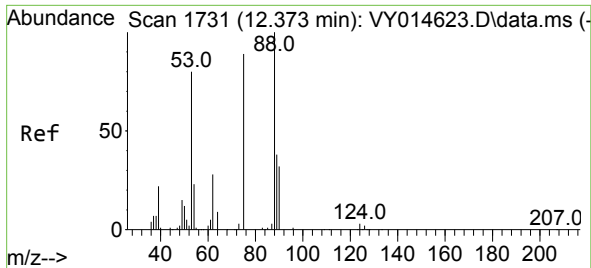
Tgt Ion: 43	Resp:	46
Ion Ratio	Lower	Upper
43	100	
70	0.0	29.7 44.5#
55	0.0	18.3 27.5#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 20.183 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.141 min
Lab File: VY014754.D
Acq: 21 Jul 2023 18:05

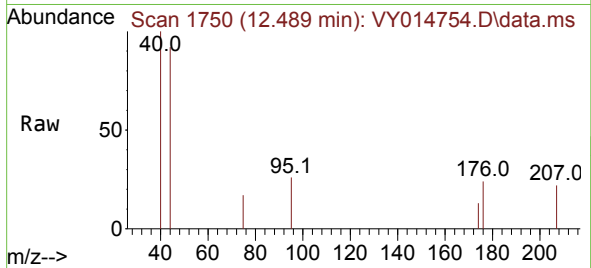
Tgt Ion: 75	Resp:	26
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.077 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.116 min
 Lab File: VY014754.D
 Acq: 21 Jul 2023 18:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P10B



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

