

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014675.D
 Acq On : 17 Jul 2023 16:19
 Operator : SY/MD
 Sample : 03613-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-071323RE

Quant Time: Jul 18 06:11:19 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)

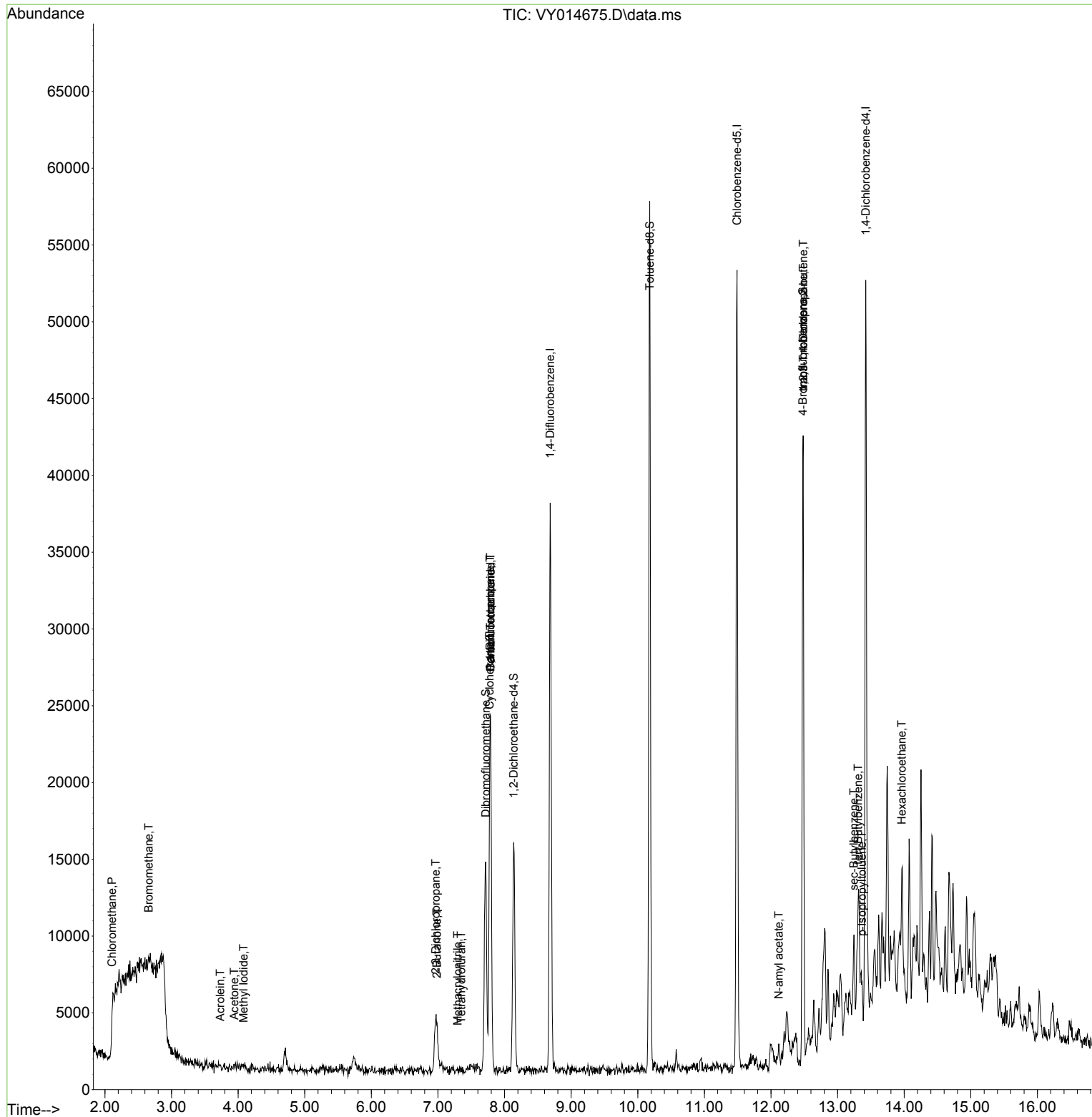
Internal Standards						
1) Pentafluorobenzene	7.789	168	19183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	28677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	11642	53.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.520%			
35) Dibromofluoromethane	7.716	113	9937	48.237	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.480%			
50) Toluene-d8	10.179	98	37605	49.514	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.477	95	13378	45.938	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.880%			
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	597	3.398	ug/l #	79
5) Bromomethane	2.656	94	544	4.193	ug/l #	78
10) Methyl Iodide	4.082	142	231	3.397	ug/l #	48
13) Acrolein	3.729	56	71	3.108	ug/l #	75
16) Acetone	3.942	43	356	5.139	ug/l #	46
25) 2-Butanone	6.984	43	327	3.227	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	387	1.041	ug/l #	54
29) Tetrahydrofuran	7.350	42	65	1.042	ug/l #	35
31) Cyclohexane	7.777	56	454	1.251	ug/l #	11
36) 1,1-Dichloropropene	7.783	75	1617	5.249	ug/l #	44
38) Carbon Tetrachloride	7.789	117	2047	6.286	ug/l #	12
41) Methacrylonitrile	7.295	41	162	1.485	ug/l #	40
74) N-amyl acetate	12.118	43	718	2.222	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	6691	42.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6691	83.246	ug/l #	10
83) tert-Butylbenzene	13.306	119	1041	1.456	ug/l	71
85) sec-Butylbenzene	13.245	105	1655	1.578	ug/l	93
86) p-Isopropyltoluene	13.367	119	1053	1.230	ug/l	87
90) Hexachloroethane	13.965	117	349	1.985	ug/l #	8

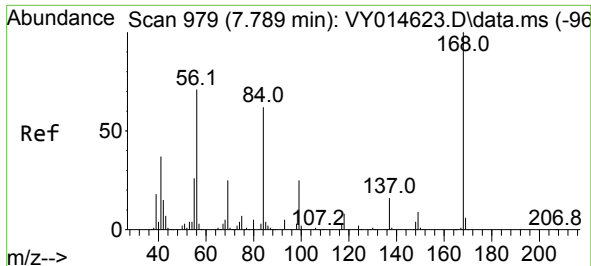
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
Data File : VY014675.D
Acq On : 17 Jul 2023 16:19
Operator : SY/MD
Sample : 03613-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

Quant Time: Jul 18 06:11:19 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

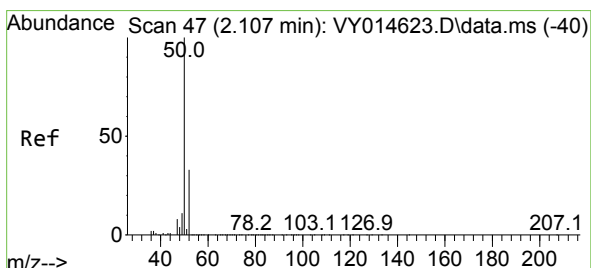
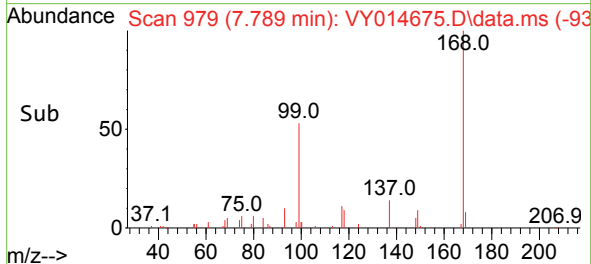
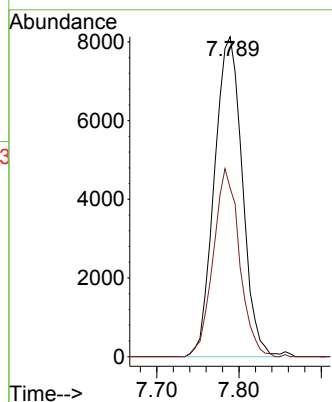
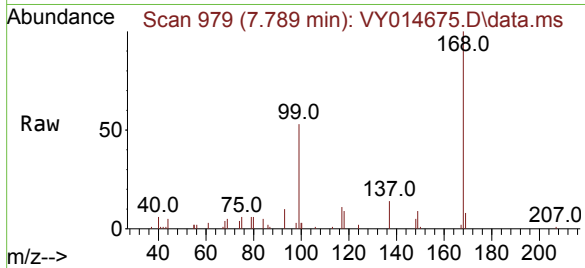




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

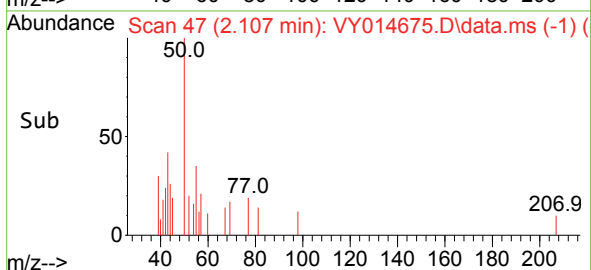
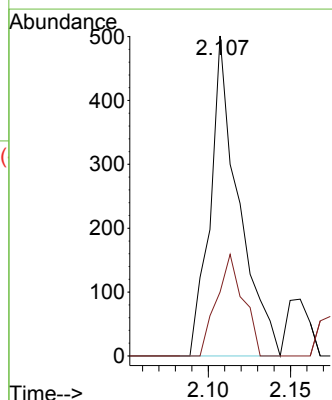
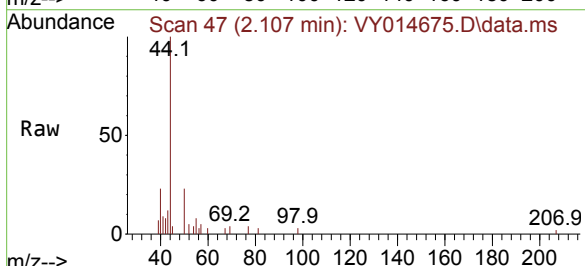
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

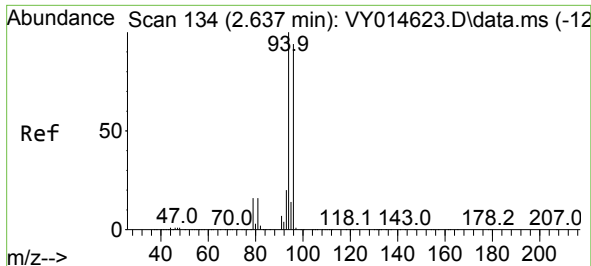
Tgt Ion:168 Resp: 19183
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#3
Chloromethane
Concen: 3.398 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 20.0 25.4 38.2#

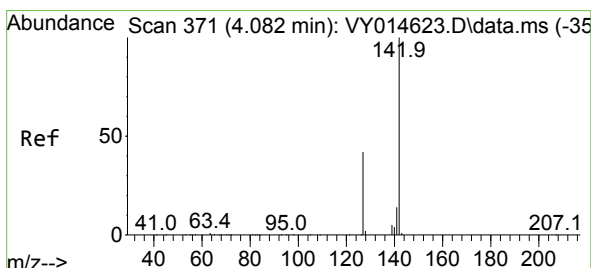
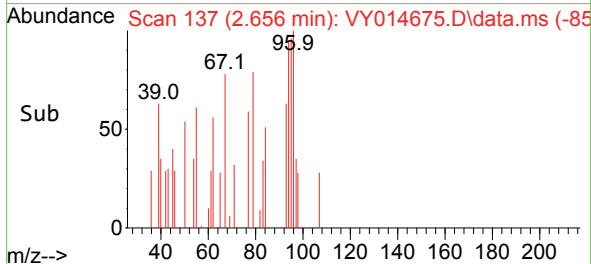
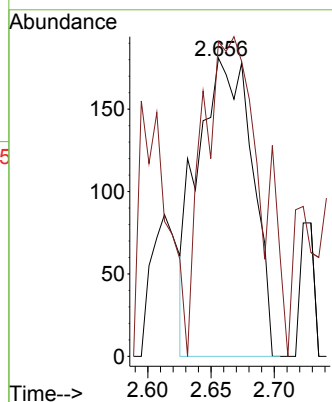
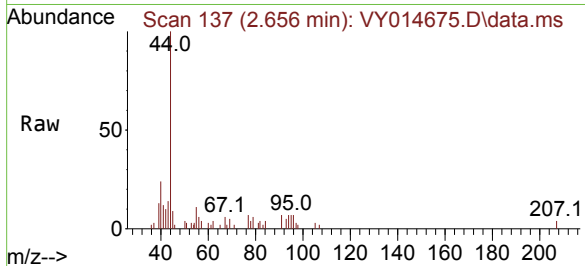




#5
Bromomethane
Concen: 4.193 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

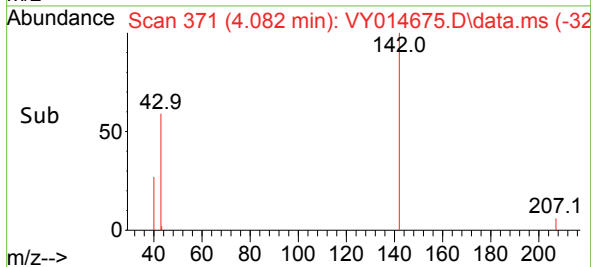
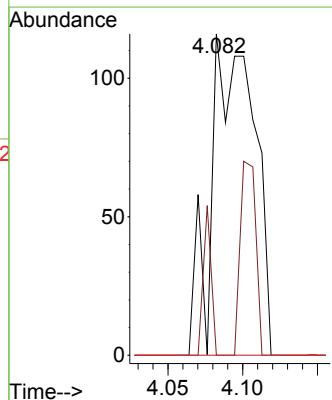
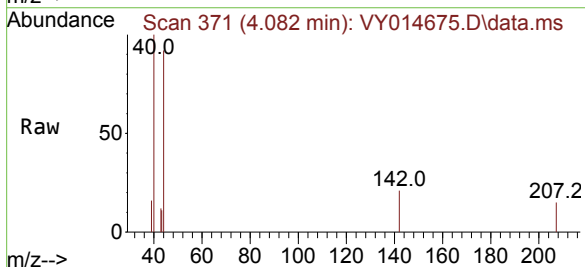
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

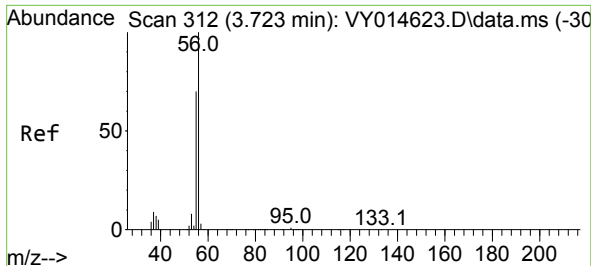
Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 72.9 75.8 113.6#



#10
Methyl Iodide
Concen: 3.397 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion:142 Resp: 231
Ion Ratio Lower Upper
142 100
127 8.7 37.6 56.4#
141 0.0 11.8 17.8#

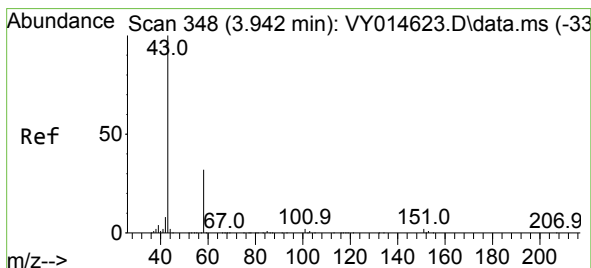
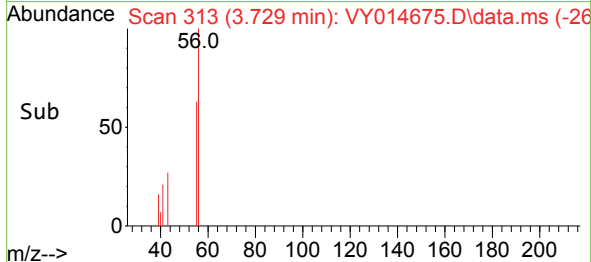
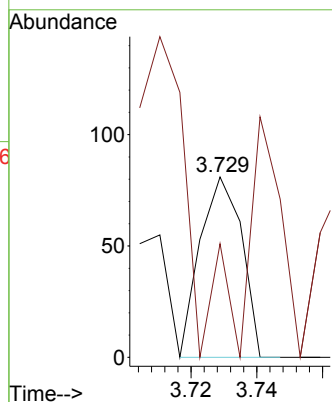
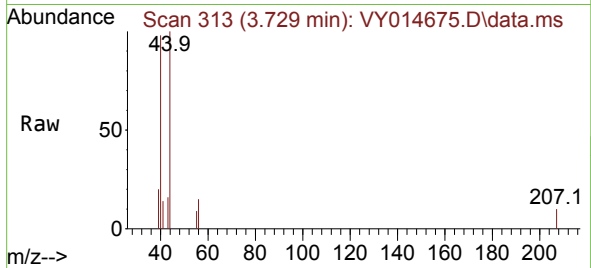




#13
Acrolein
Concen: 3.108 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

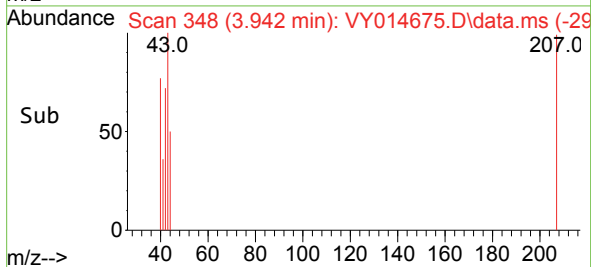
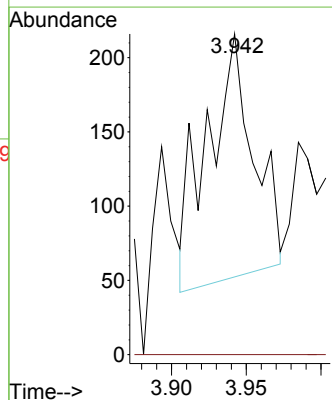
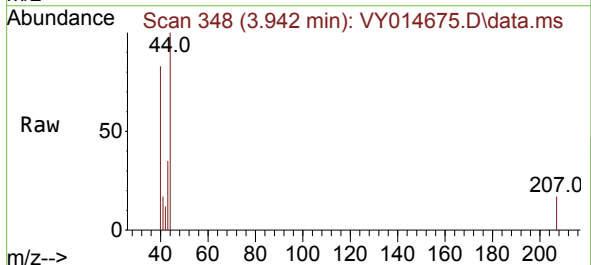
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

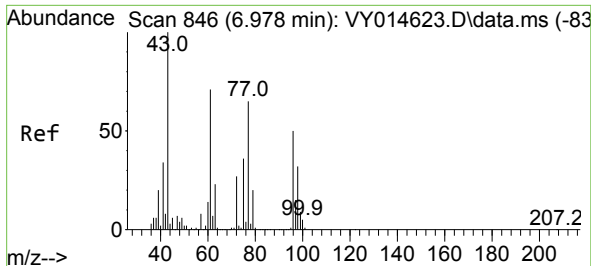
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 91.5 57.0 85.4#



#16
Acetone
Concen: 5.139 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

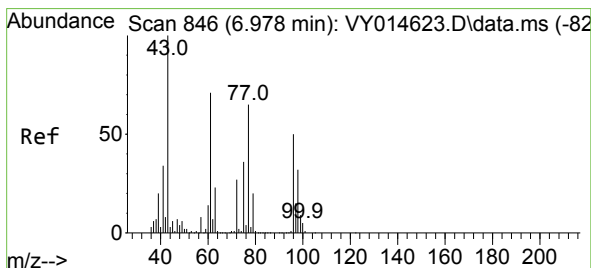
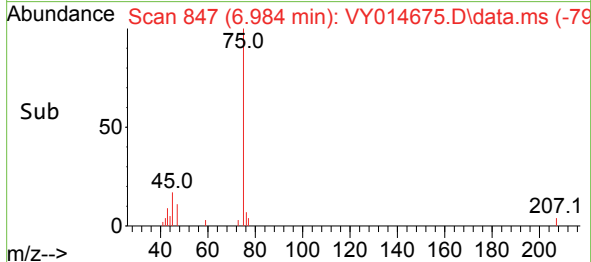
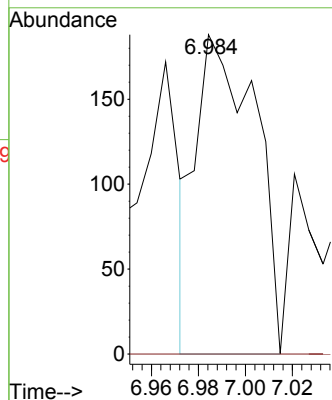
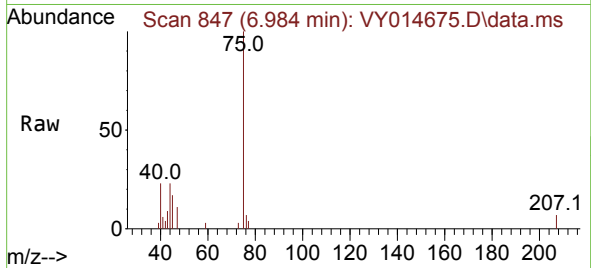




#25
2-Butanone
Concen: 3.227 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

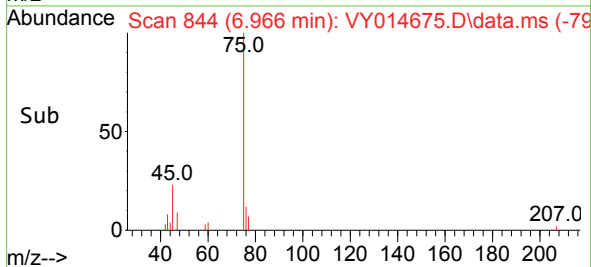
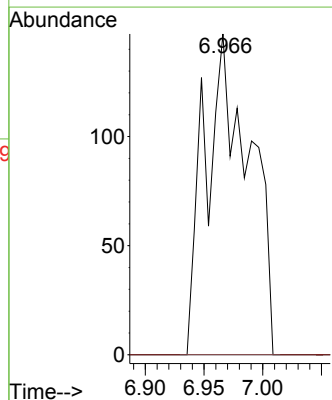
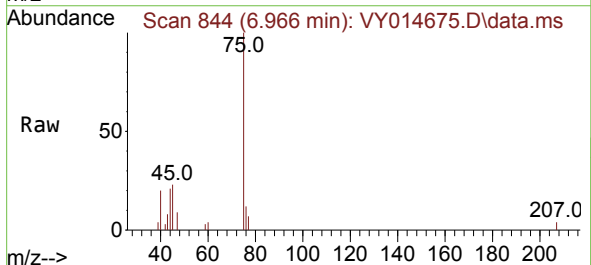
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

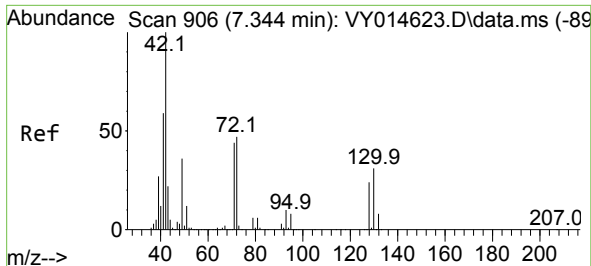
Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.041 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 77 Resp: 387
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.042 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014675.D

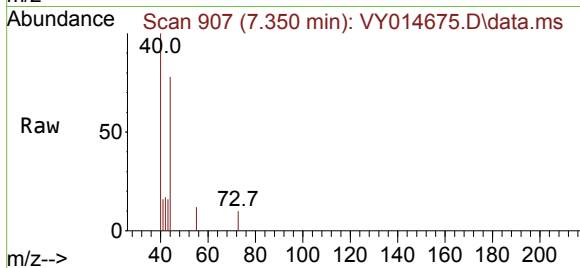
Acq: 17 Jul 2023 16:19

Instrument :

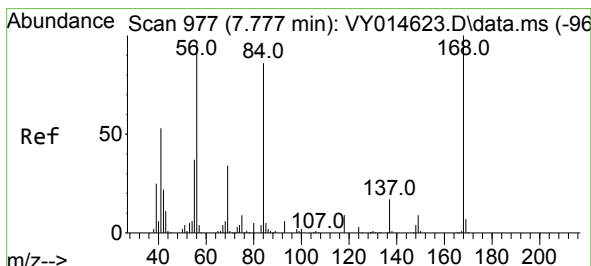
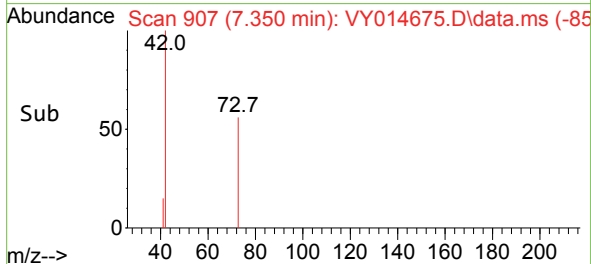
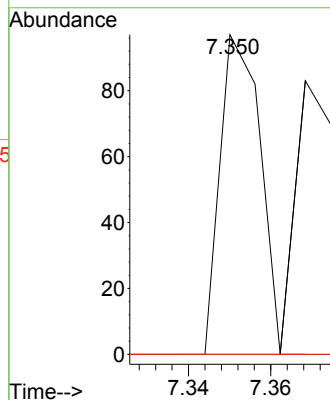
MSVOA_Y

ClientSampleId :

TR-4-071323RE



Tgt Ion:	42	Resp:	65
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 1.251 ug/l

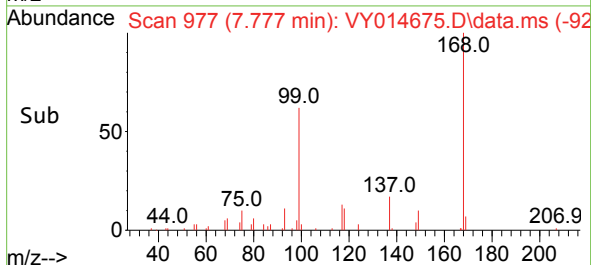
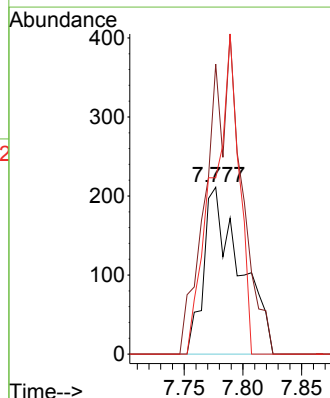
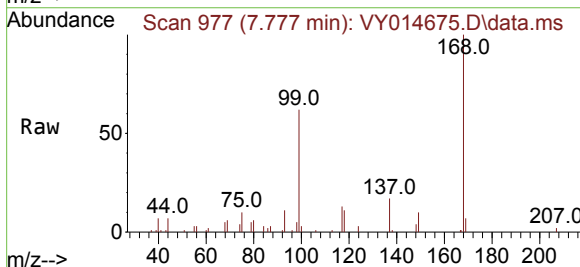
RT: 7.777 min Scan# 977

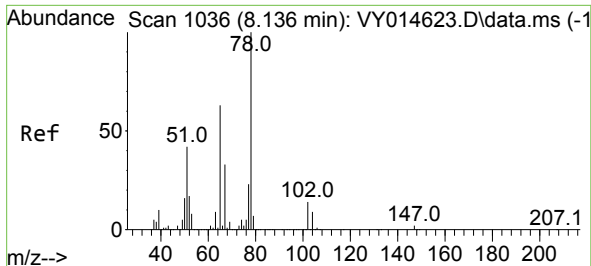
Delta R.T. -0.000 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Tgt Ion:	56	Resp:	454
Ion Ratio	Lower	Upper	
56	100		
69	173.9	27.8	41.6#
84	105.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.258 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

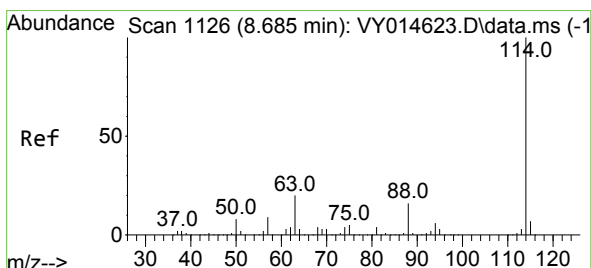
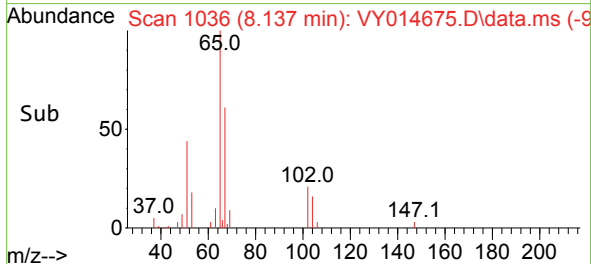
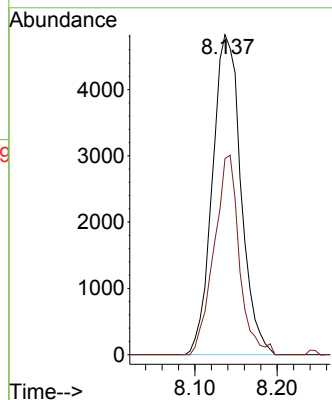
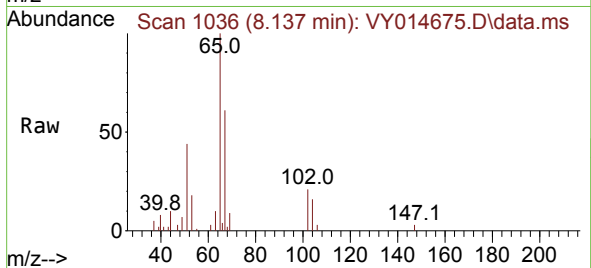
TR-4-071323RE

Tgt Ion: 65 Resp: 11642

Ion Ratio Lower Upper

65 100

67 55.3 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: VY014675.D

Acq: 17 Jul 2023 16:19

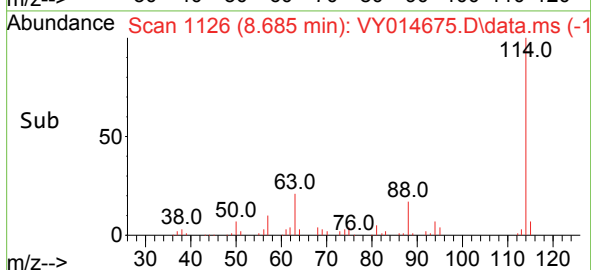
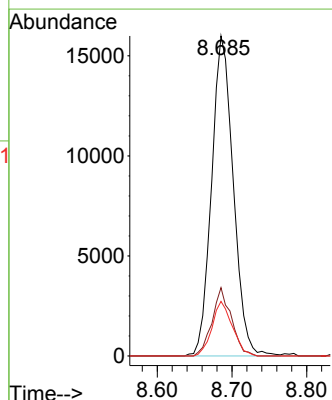
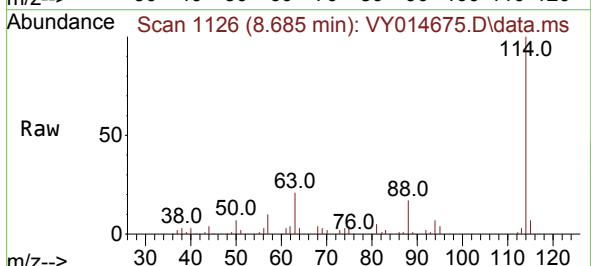
Tgt Ion: 114 Resp: 32361

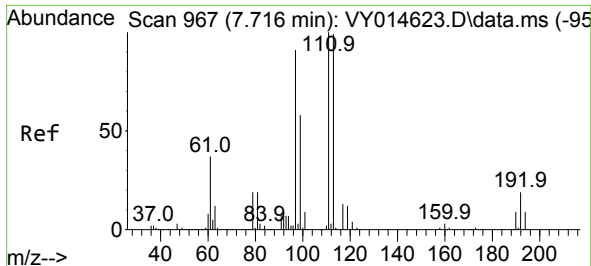
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 17.0 0.0 30.6

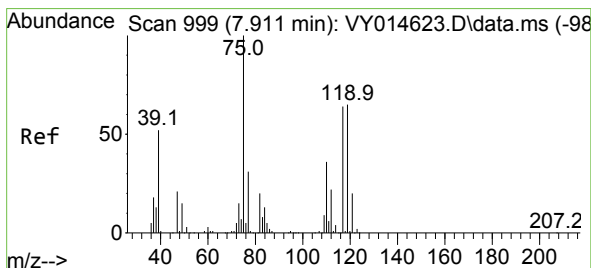
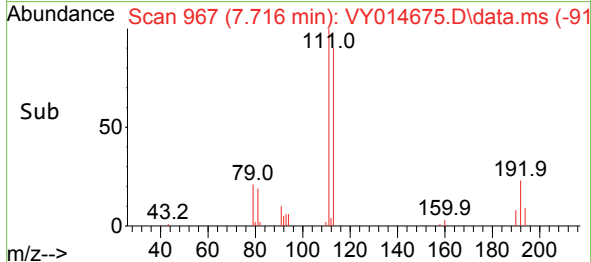
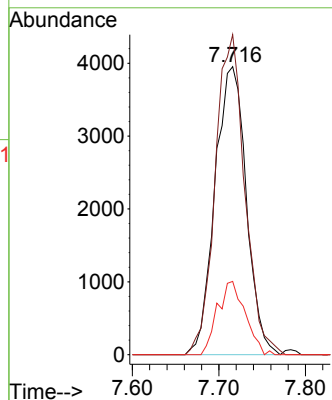
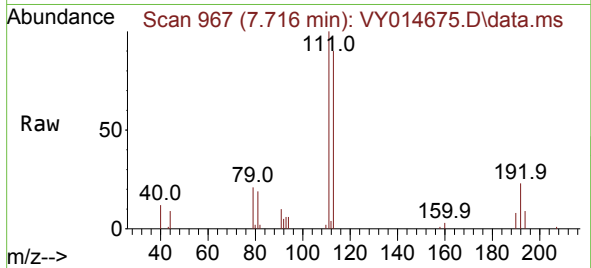




#35
Dibromofluoromethane
Concen: 48.237 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

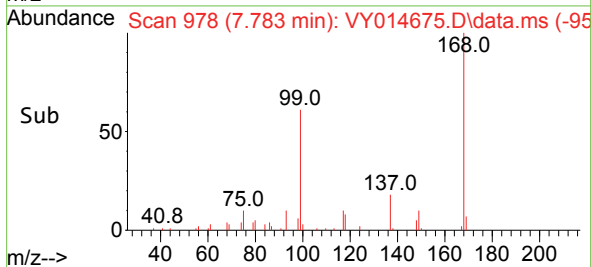
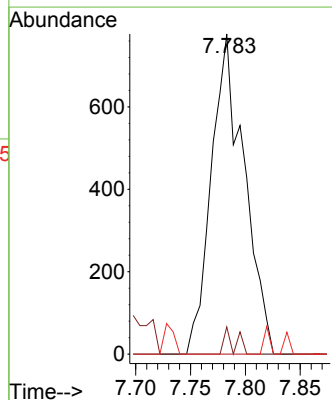
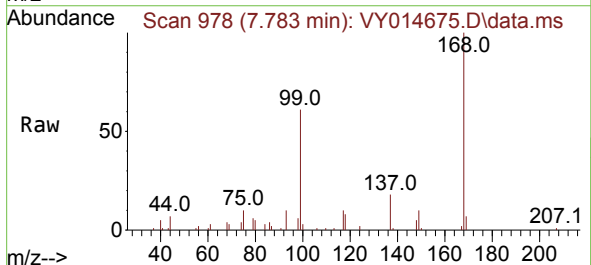
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

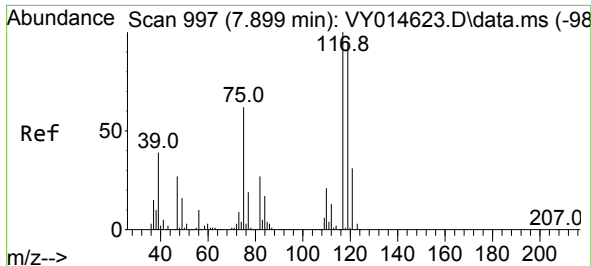
Tgt Ion:113 Resp: 9937
Ion Ratio Lower Upper
113 100
111 104.7 81.3 121.9
192 22.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

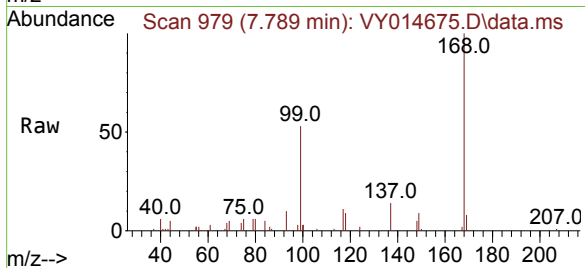
Tgt Ion: 75 Resp: 1617
Ion Ratio Lower Upper
75 100
110 2.7 17.8 53.5#
77 0.0 24.4 36.6#



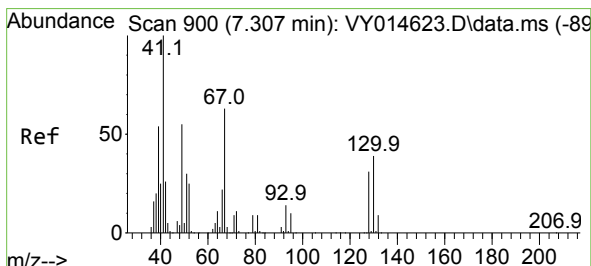
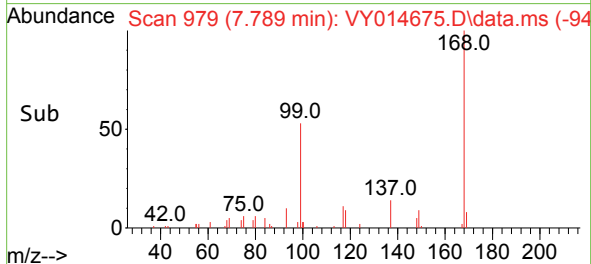
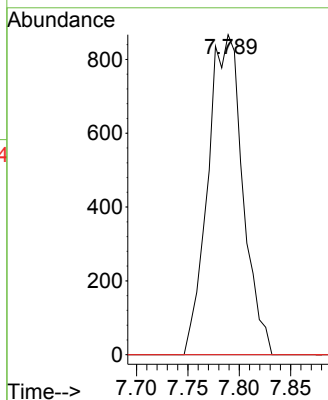


#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

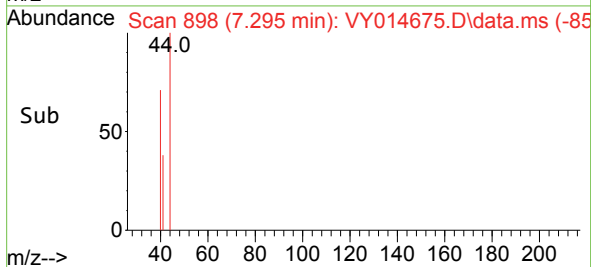
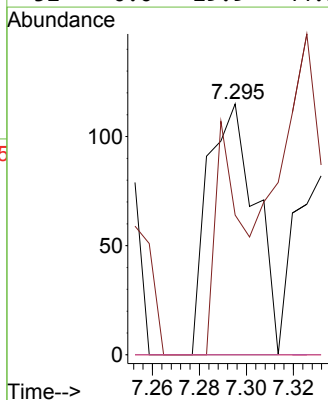
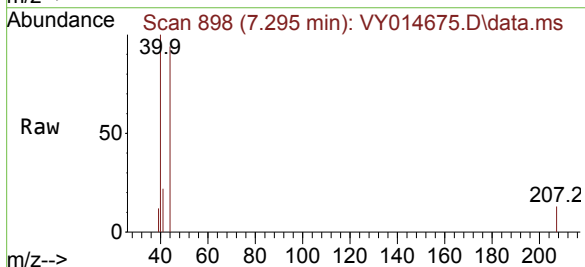


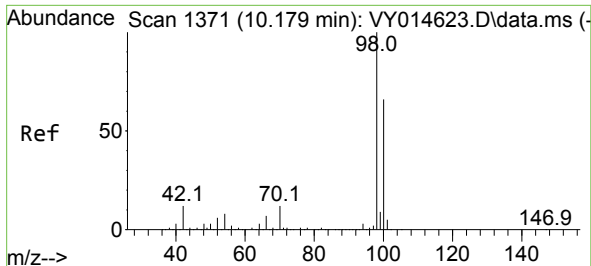
Tgt Ion:117 Resp: 2047
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.485 ug/l
RT: 7.295 min Scan# 898
Delta R.T. -0.012 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 41 Resp: 162
Ion Ratio Lower Upper
41 100
39 50.6 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

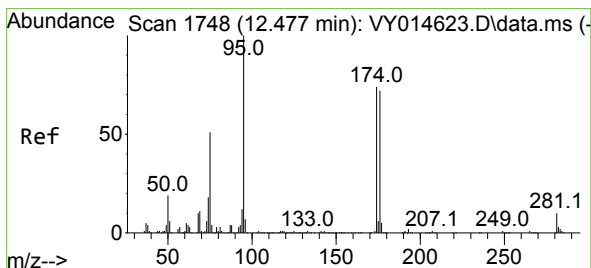
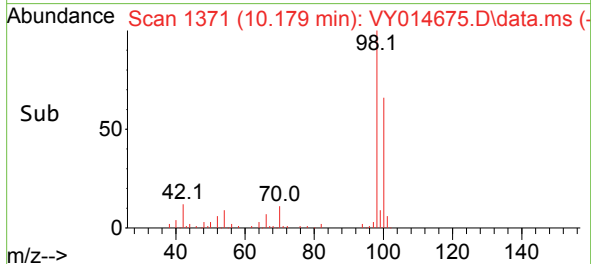
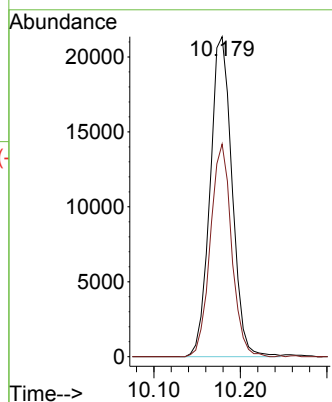
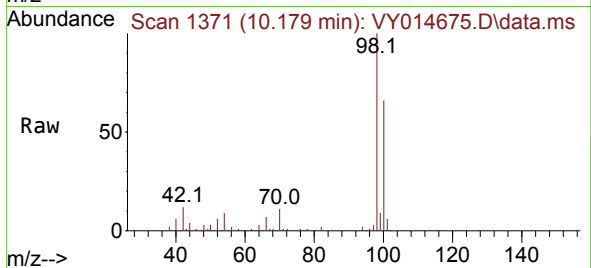




#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

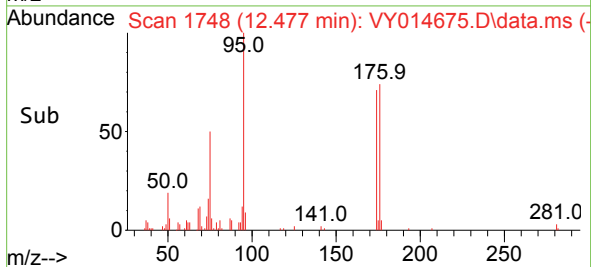
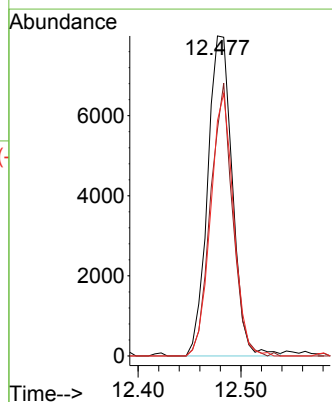
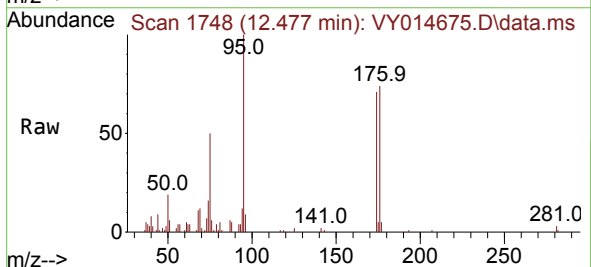
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

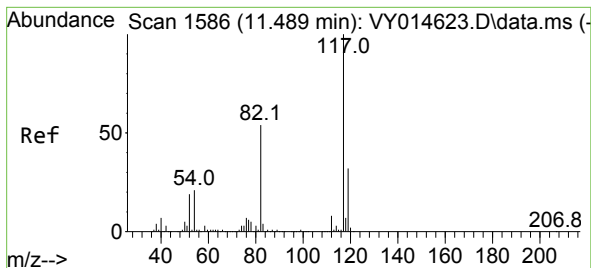
Tgt Ion: 98 Resp: 37605
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.938 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 95 Resp: 13378
Ion Ratio Lower Upper
95 100
174 75.8 0.0 178.2
176 76.2 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: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-071323RE

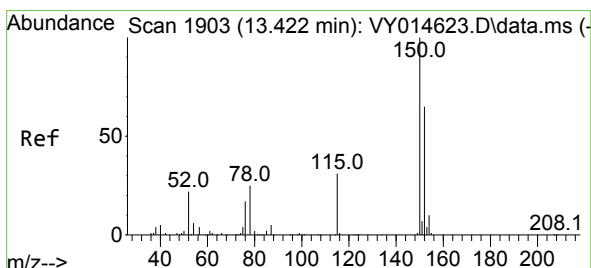
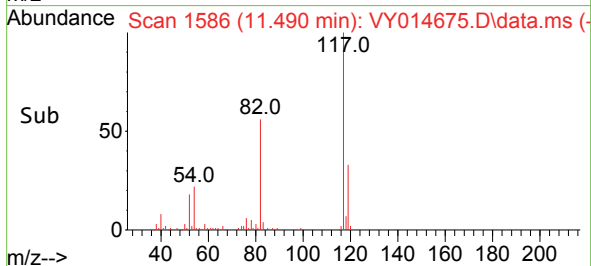
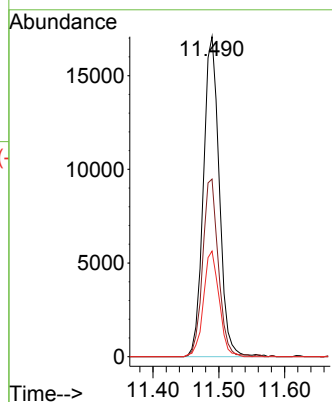
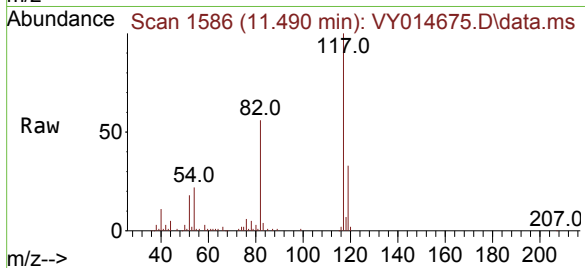
Tgt Ion:117 Resp: 28677

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 33.0 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: VY014675.D

Acq: 17 Jul 2023 16:19

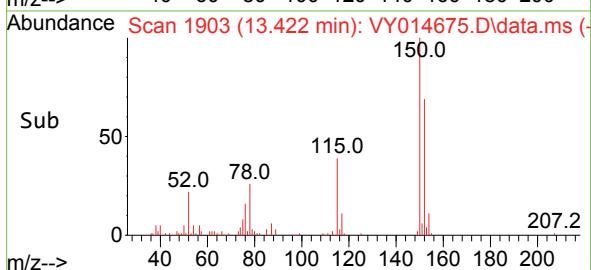
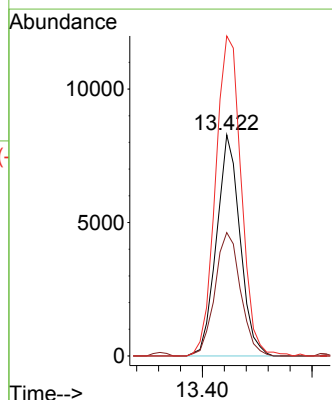
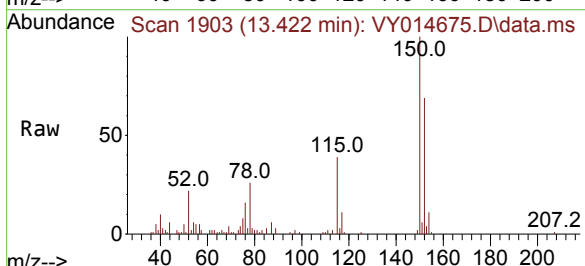
Tgt Ion:152 Resp: 12322

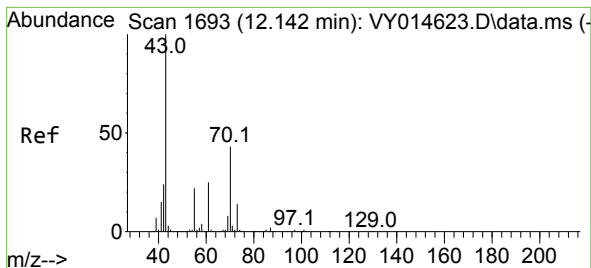
Ion Ratio Lower Upper

152 100

115 60.8 28.8 86.5

150 158.3 0.0 348.8





#74

N-amy1 acetate

Concen: 2.222 ug/l

RT: 12.118 min Scan# 1

Delta R.T. -0.024 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-071323RE

Tgt Ion: 43 Resp: 718

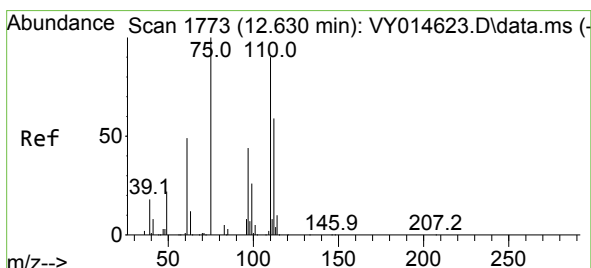
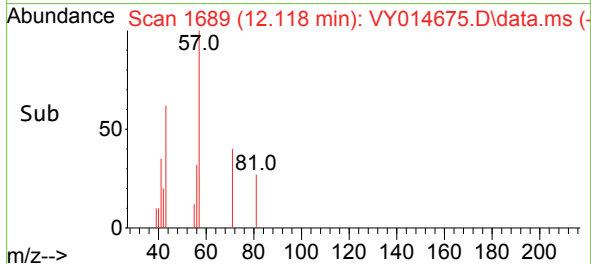
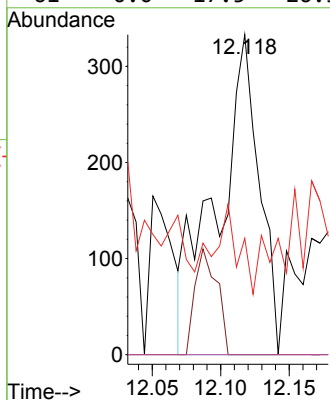
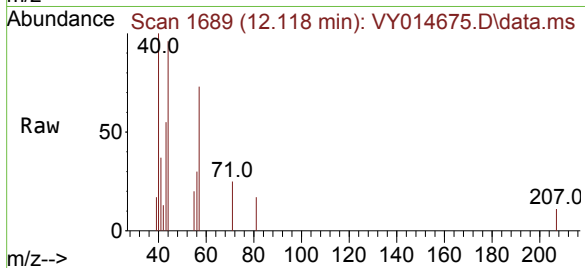
Ion Ratio Lower Upper

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: 42.995 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014675.D

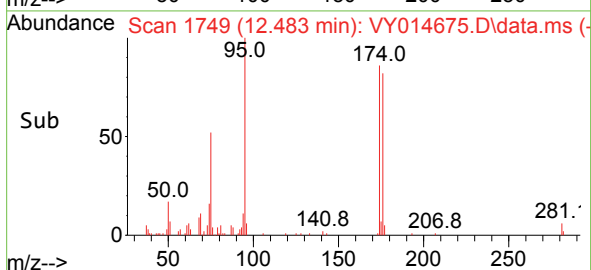
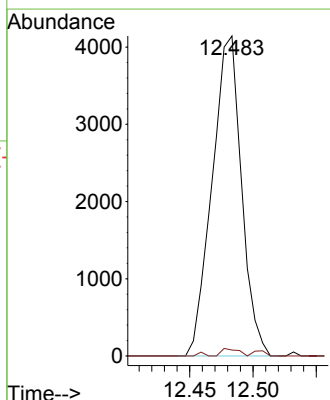
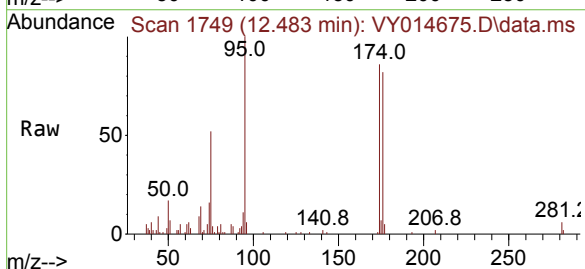
Acq: 17 Jul 2023 16:19

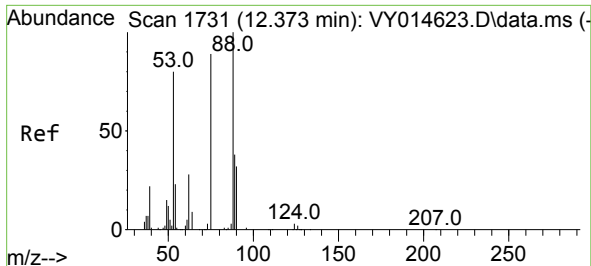
Tgt Ion: 75 Resp: 6691

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

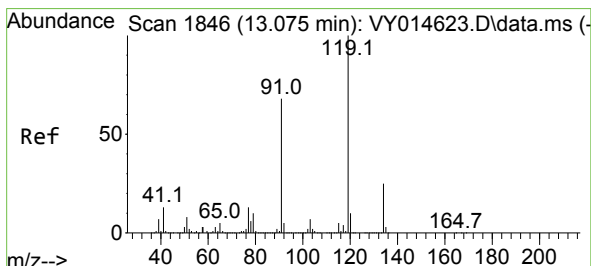
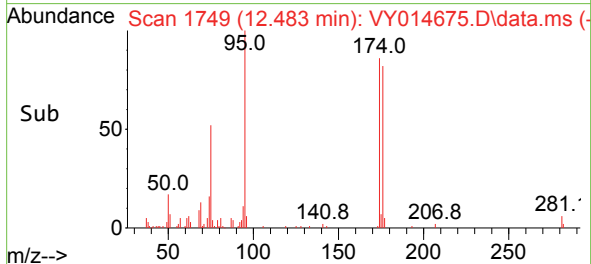
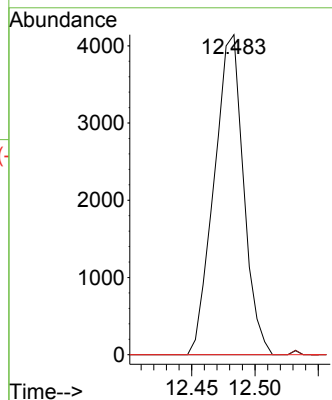
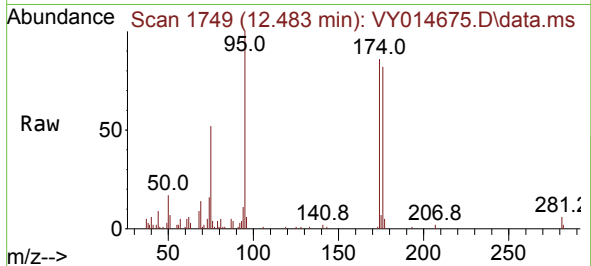




#81
trans-1,4-Dichloro-2-butene
Concen: 83.246 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

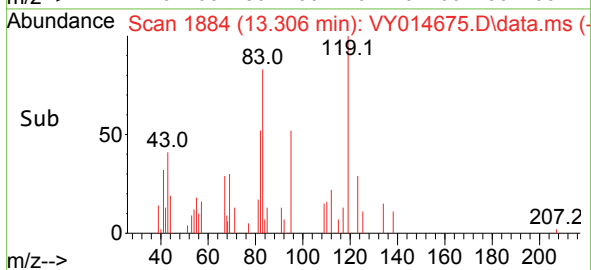
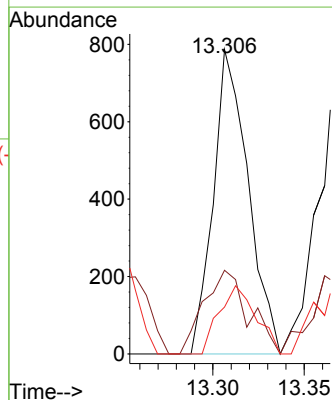
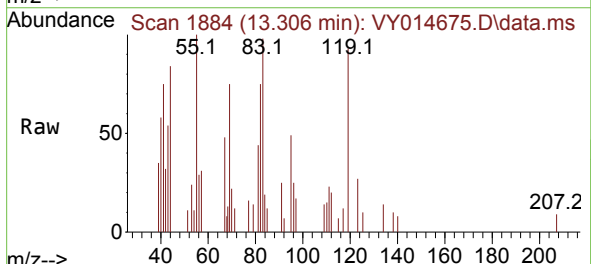
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

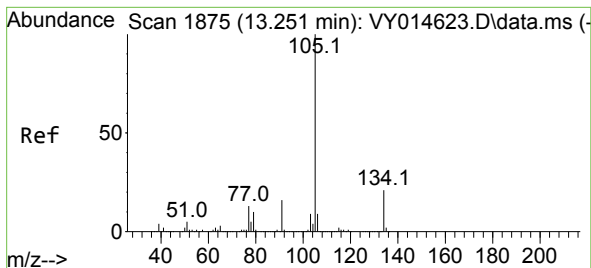
Tgt Ion: 75 Resp: 6691
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 1.456 ug/l
RT: 13.306 min Scan# 1884
Delta R.T. 0.231 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 119 Resp: 1041
Ion Ratio Lower Upper
119 100
91 35.2 32.9 98.6
134 23.8 13.0 38.9





#85

sec-Butylbenzene

Concen: 1.578 ug/l

RT: 13.245 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

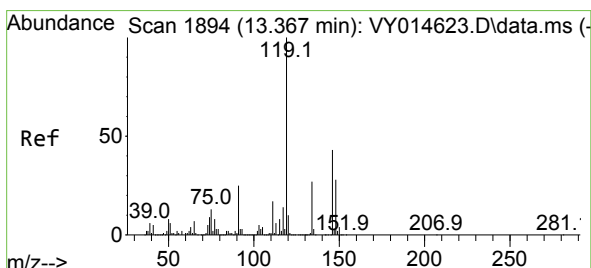
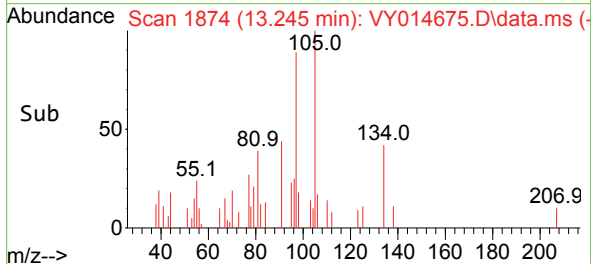
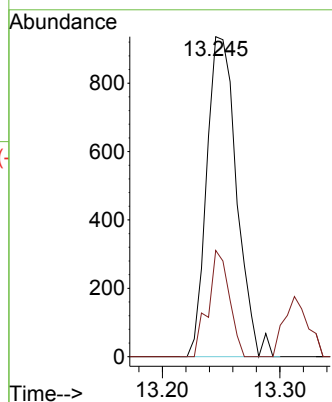
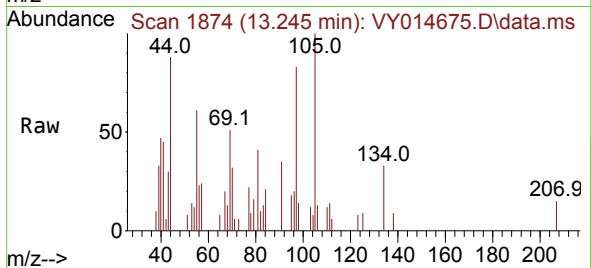
TR-4-071323RE

Tgt Ion:105 Resp: 1655

Ion Ratio Lower Upper

105 100

134 23.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 1.230 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

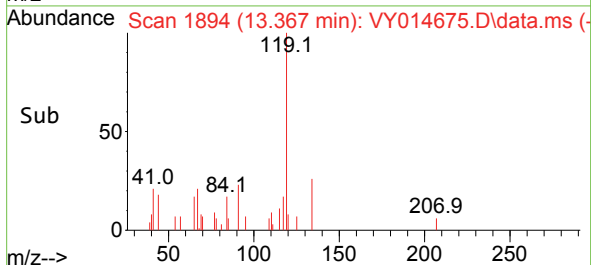
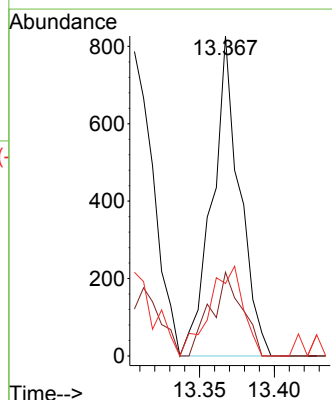
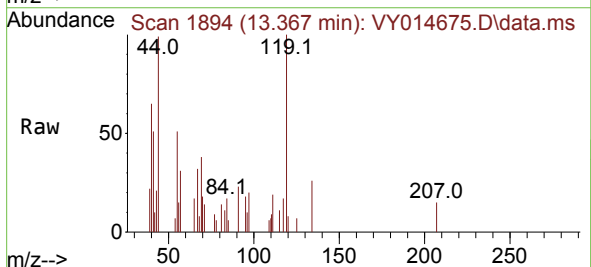
Tgt Ion:119 Resp: 1053

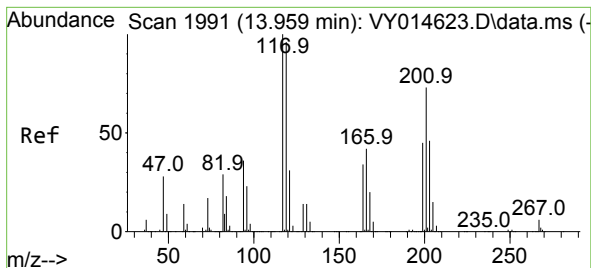
Ion Ratio Lower Upper

119 100

134 30.0 13.3 39.8

91 34.8 12.4 37.4





#90

Hexachloroethane

Concen: 1.985 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY014675.D

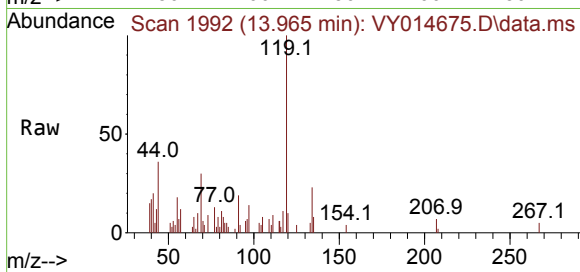
Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-071323RE



Tgt Ion:117 Resp: 349

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

