

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014434.D
 Acq On : 26 Jun 2023 15:17
 Operator : KP/MD
 Sample : 03402-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3-0623

Quant Time: Jun 27 01:48:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

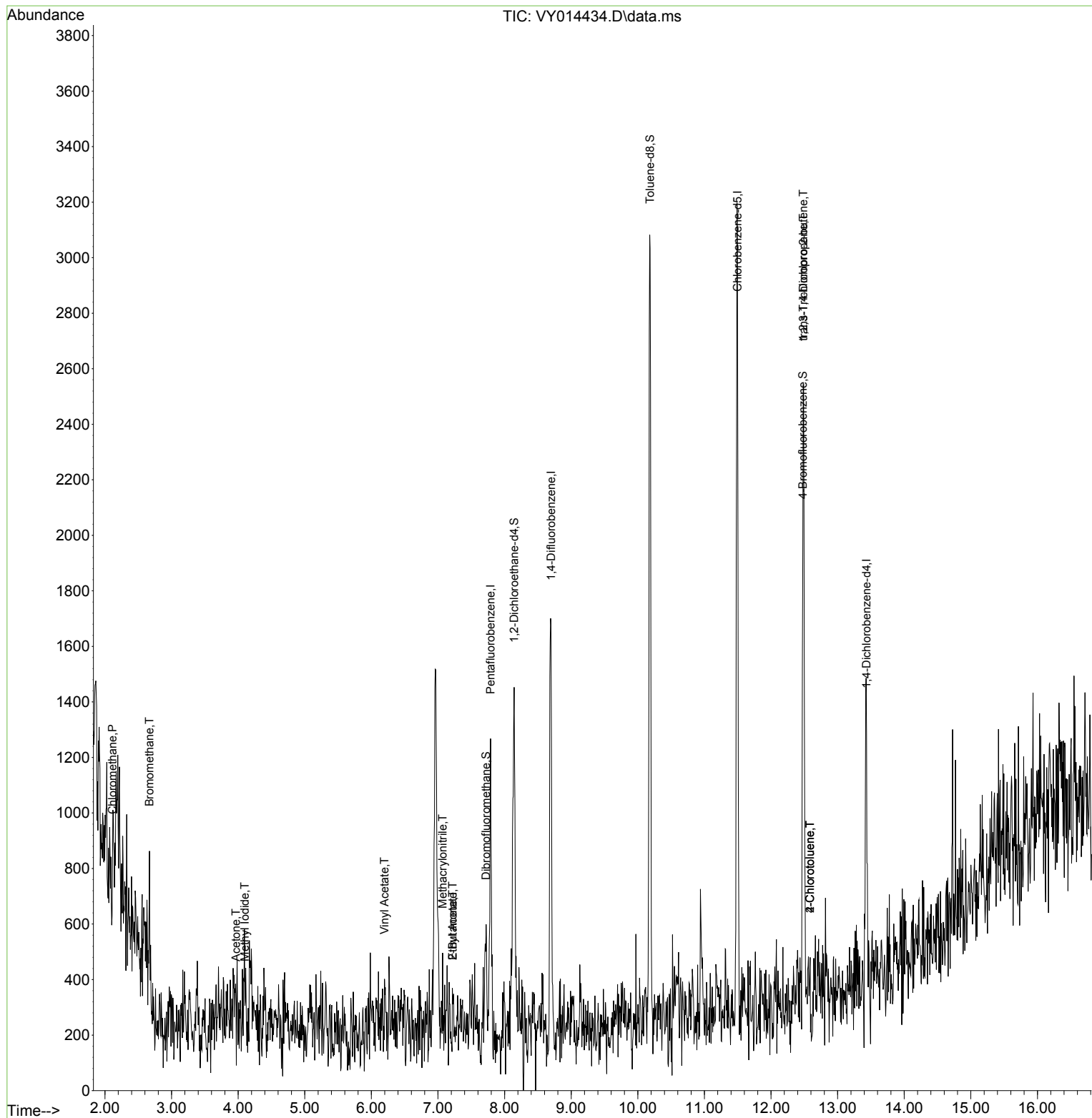
Internal Standards						
1) Pentafluorobenzene	7.789	168	913	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	2028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	2117	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1308	115.388	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 230.780%#	
35) Dibromofluoromethane	7.722	113	248	19.793	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 39.580%#	
50) Toluene-d8	10.185	98	2325	46.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.360%	
62) 4-Bromofluorobenzene	12.477	95	520	29.245	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 58.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	29	3.497	ug/l #	43
5) Bromomethane	2.668	94	20	2.518	ug/l #	46
10) Methyl Iodide	4.101	142	216	21.138	ug/l #	74
16) Acetone	3.966	43	84	23.549	ug/l #	46
23) Vinyl Acetate	6.198	43	22	1.614	ug/l #	74
25) 2-Butanone	7.222	43	39	8.778	ug/l #	49
37) Ethyl Acetate	7.222	43	39	2.931	ug/l #	71
41) Methacrylonitrile	7.069	41	21	3.185	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	385	68.970	ug/l #	100
79) 2-Chlorotoluene	12.587	91	22	1.066	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	385	157.021	ug/l #	10
82) 4-Chlorotoluene	12.587	91	22	1.000	ug/l #	40

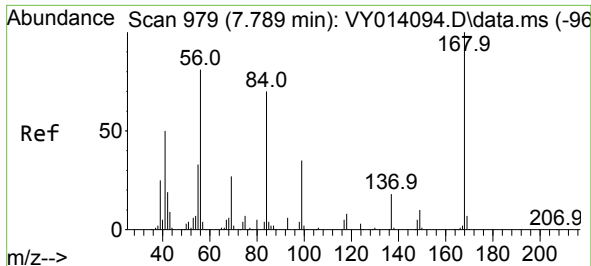
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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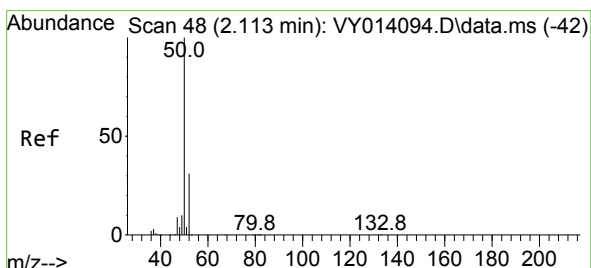
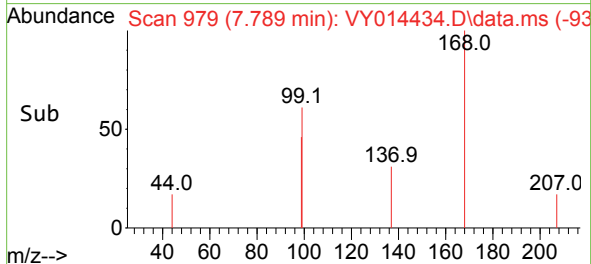
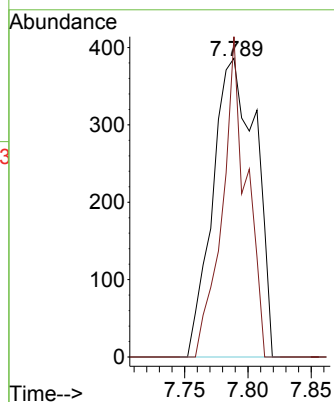
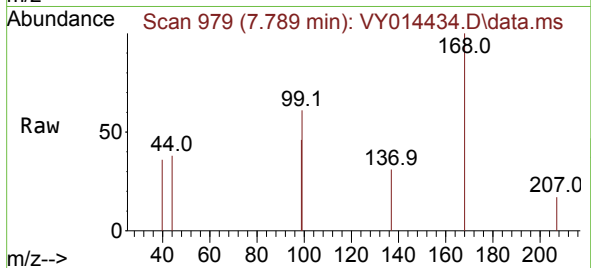




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

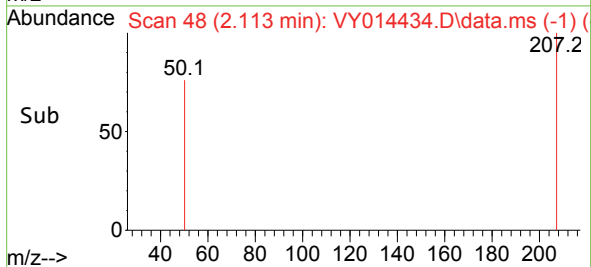
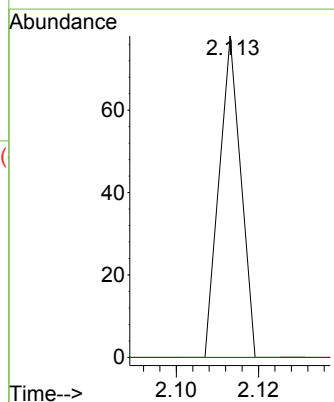
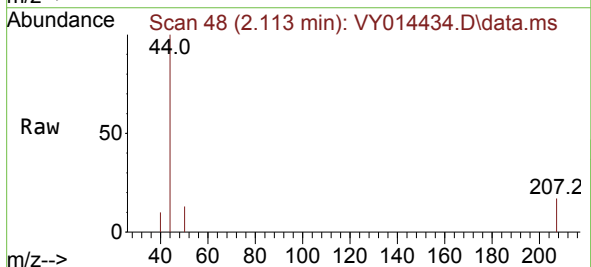
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

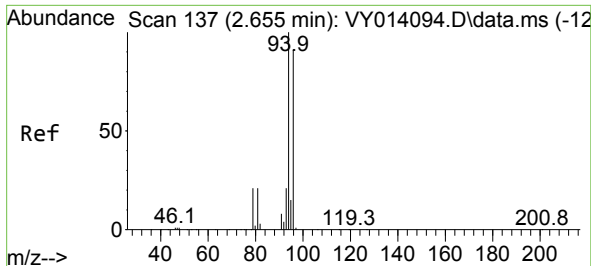
Tgt Ion:168 Resp: 913
Ion Ratio Lower Upper
168 100
99 107.3 43.4 65.0#



#3
Chloromethane
Concen: 3.497 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 50 Resp: 29
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

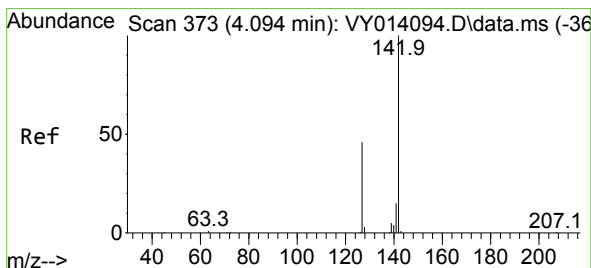
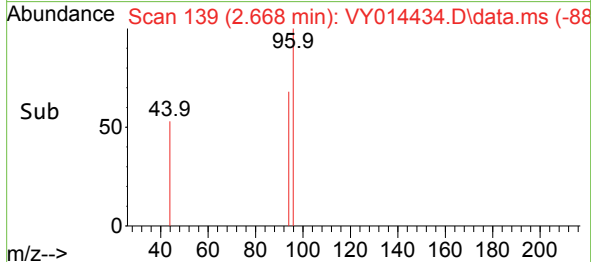
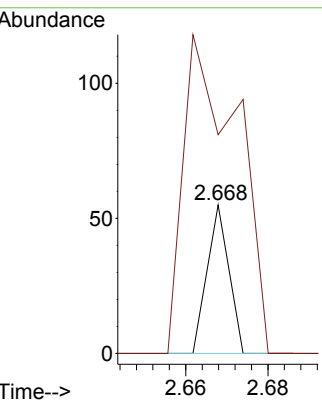
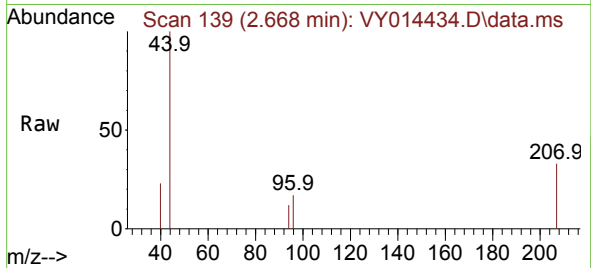




#5
Bromomethane
Concen: 2.518 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

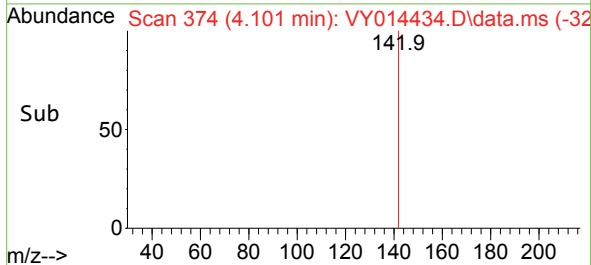
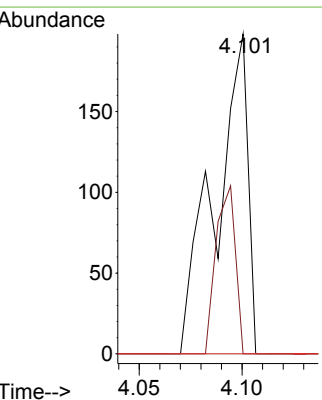
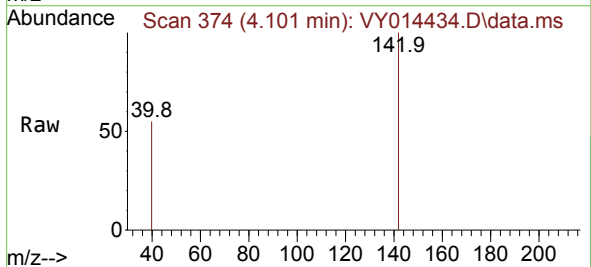
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

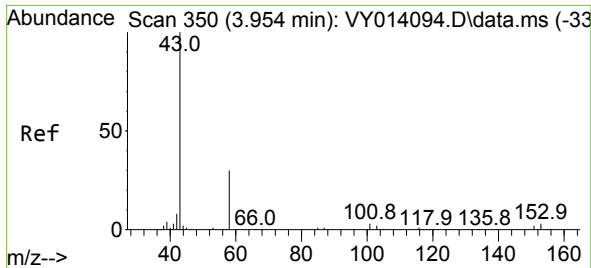
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 147.3 75.8 113.6#



#10
Methyl Iodide
Concen: 21.138 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 142 Resp: 216
Ion Ratio Lower Upper
142 100
127 31.5 37.6 56.4#
141 0.0 11.8 17.8#

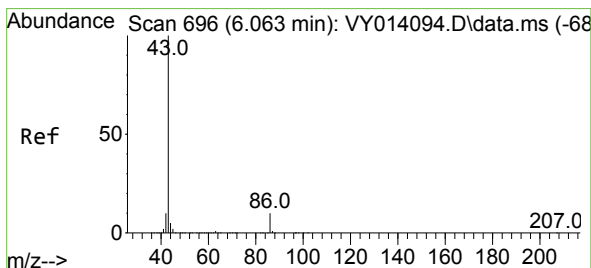
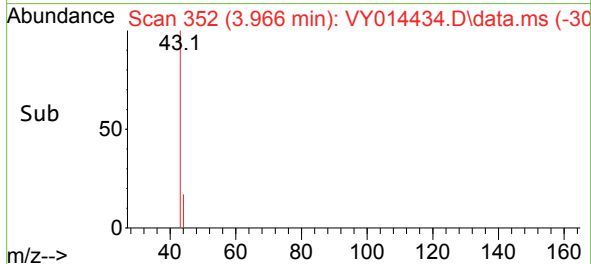
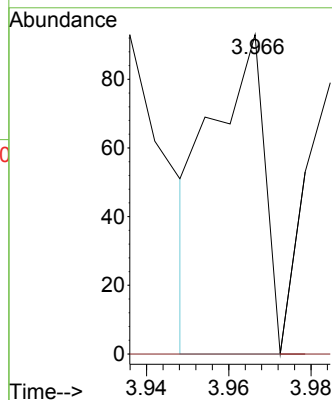
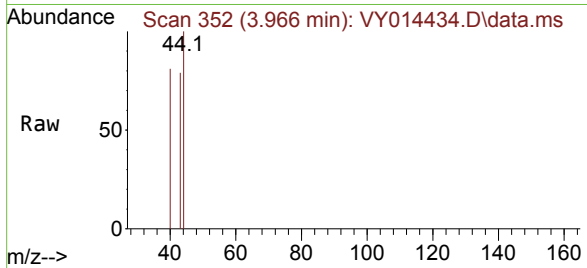




#16
Acetone
Concen: 23.549 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

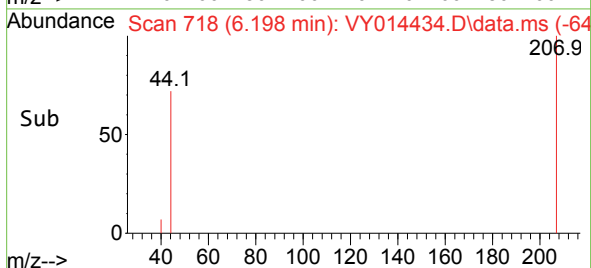
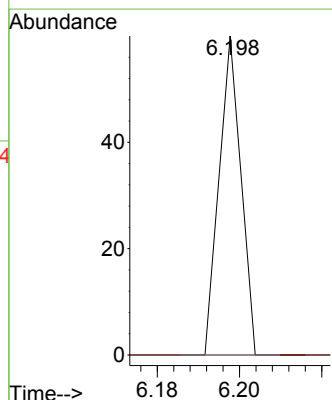
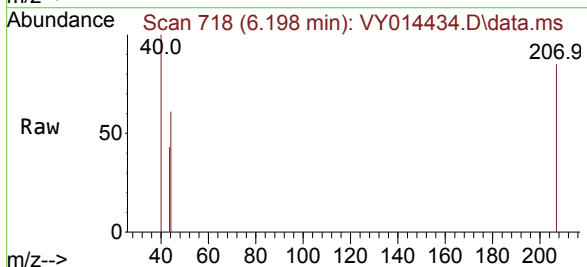
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

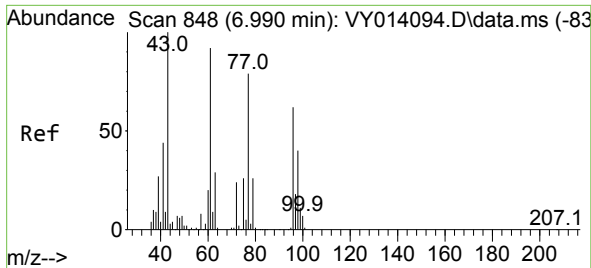
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#23
Vinyl Acetate
Concen: 1.614 ug/l
RT: 6.198 min Scan# 718
Delta R.T. 0.135 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#

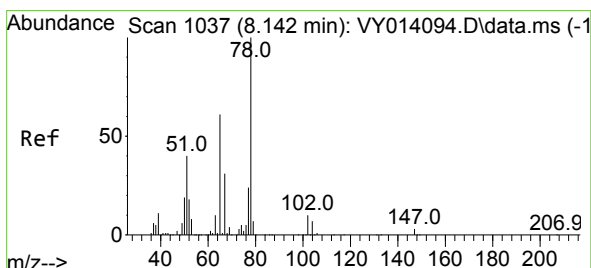
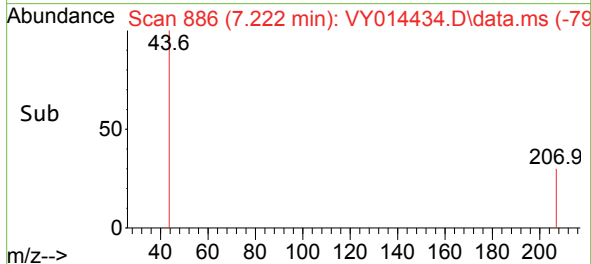
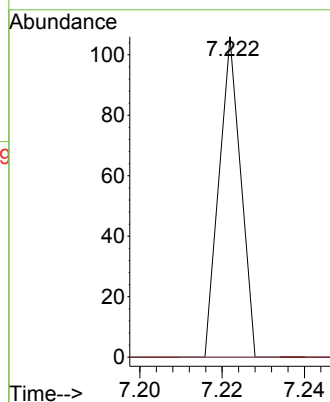
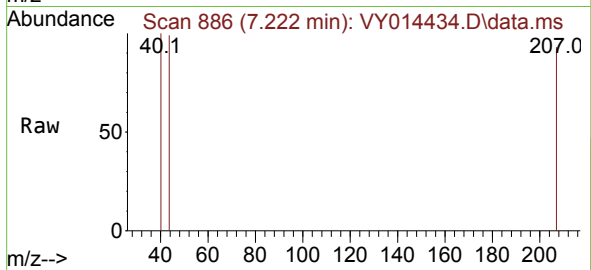




#25
2-Butanone
Concen: 8.778 ug/l
RT: 7.222 min Scan# 848
Delta R.T. 0.232 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

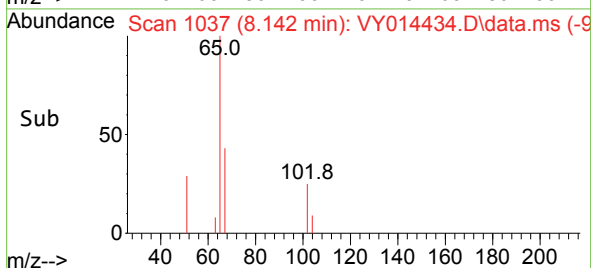
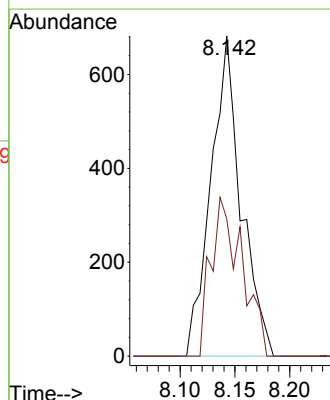
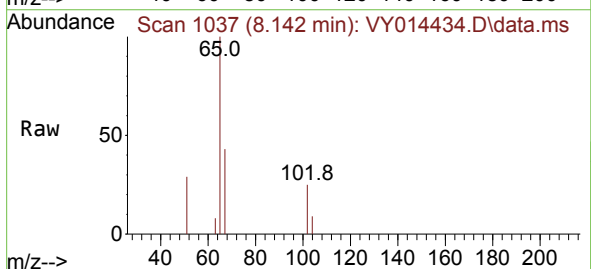
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

Tgt Ion: 43 Resp: 39
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 115.388 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 65 Resp: 1308
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014434.D

Acq: 26 Jun 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

TP3-0623

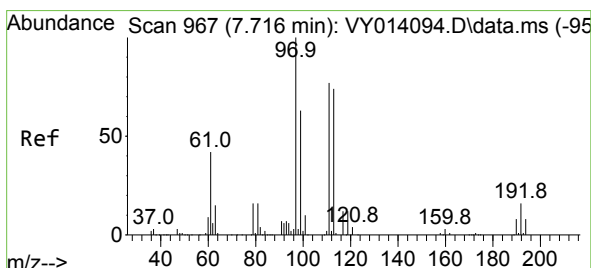
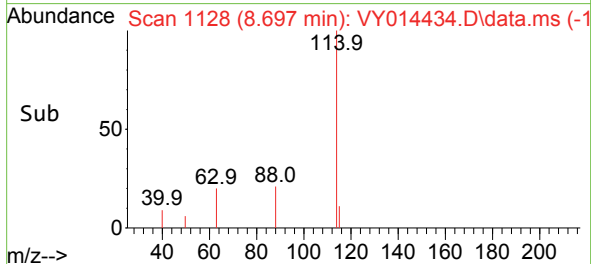
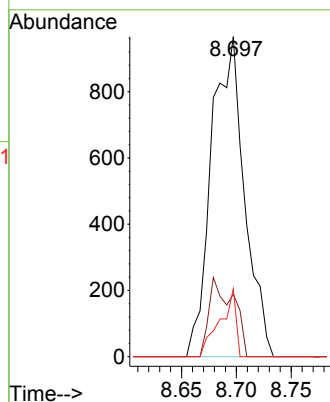
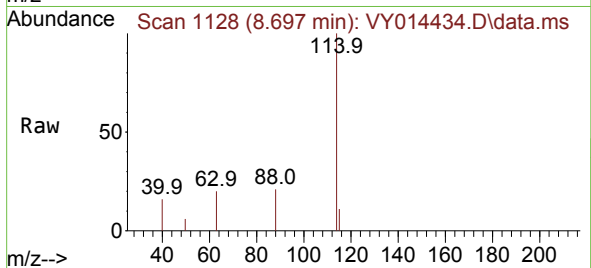
Tgt Ion:114 Resp: 2028

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 21.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 19.793 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014434.D

Acq: 26 Jun 2023 15:17

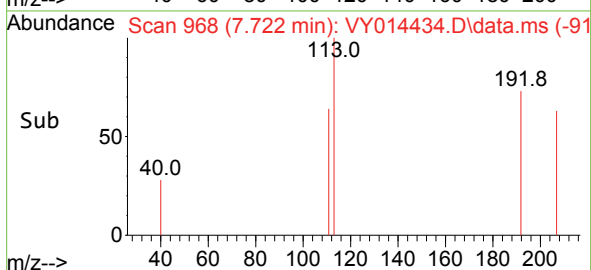
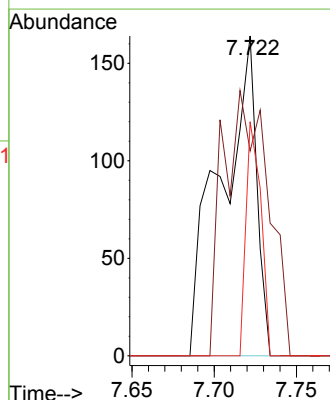
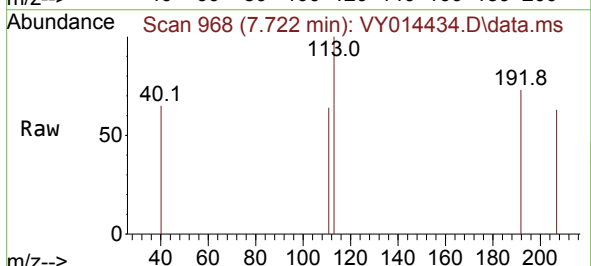
Tgt Ion:113 Resp: 248

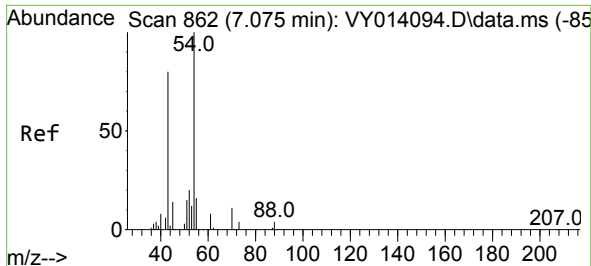
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 30.2 16.9 25.3#





#37

Ethyl Acetate

Concen: 2.931 ug/l

RT: 7.222 min Scan# 861

Delta R.T. 0.147 min

Lab File: VY014434.D

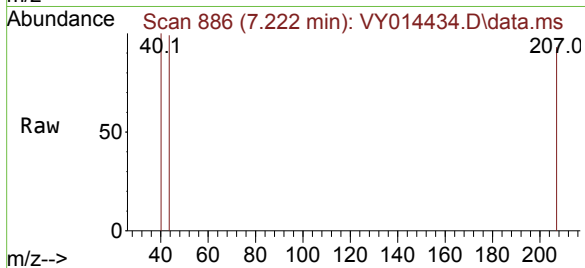
Acq: 26 Jun 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

TP3-0623



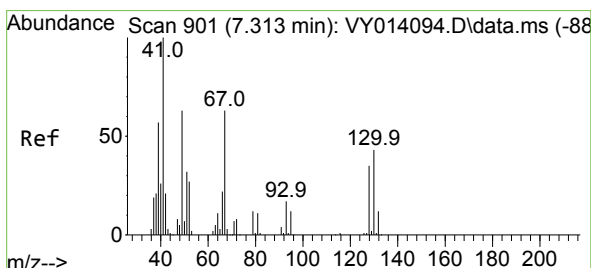
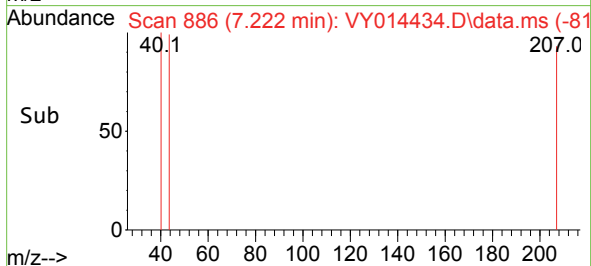
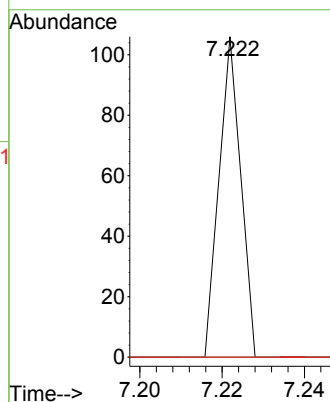
Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#41

Methacrylonitrile

Concen: 3.185 ug/l

RT: 7.069 min Scan# 861

Delta R.T. -0.244 min

Lab File: VY014434.D

Acq: 26 Jun 2023 15:17

Tgt Ion: 41 Resp: 21

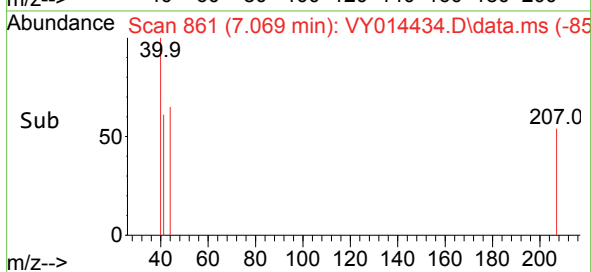
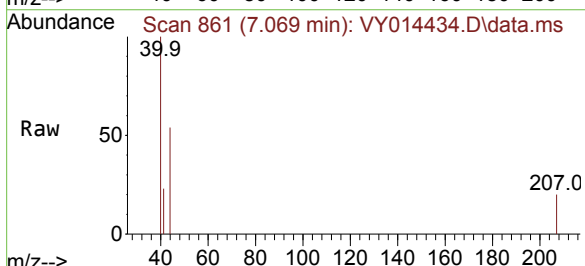
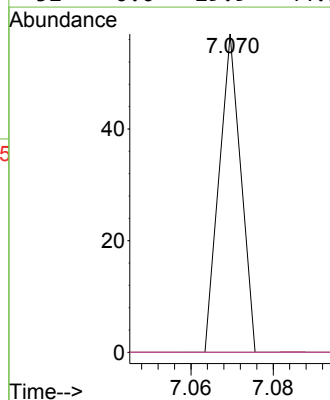
Ion Ratio Lower Upper

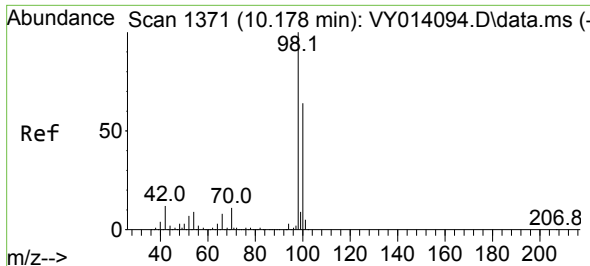
41 100

39 0.0 52.1 78.1#

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

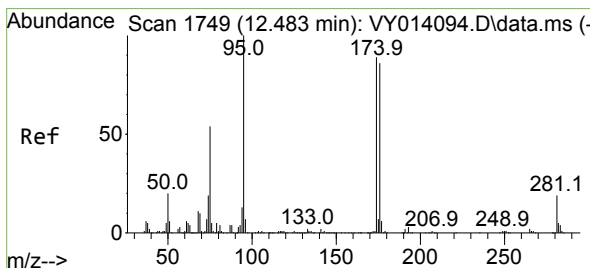
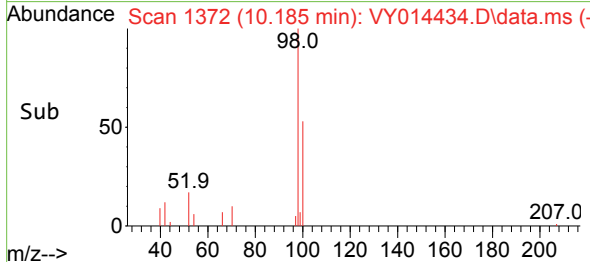
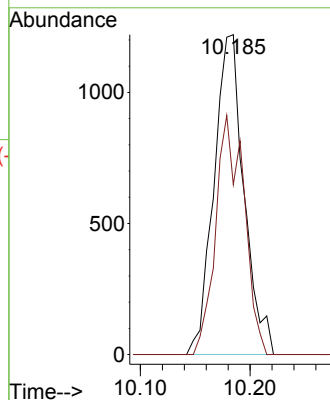
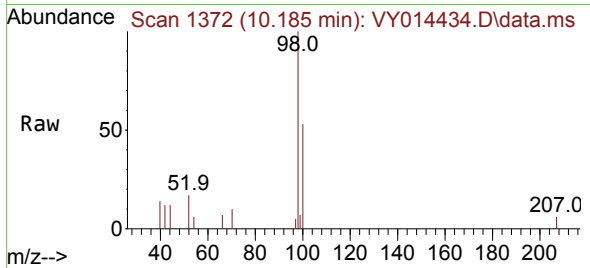




#50
Toluene-d8
Concen: 46.681 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

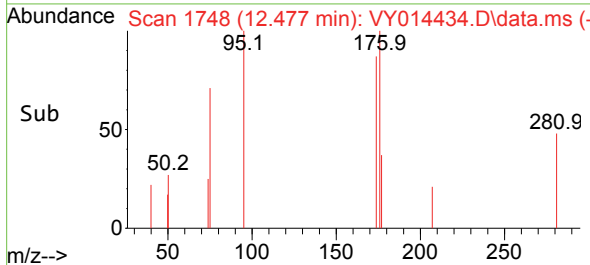
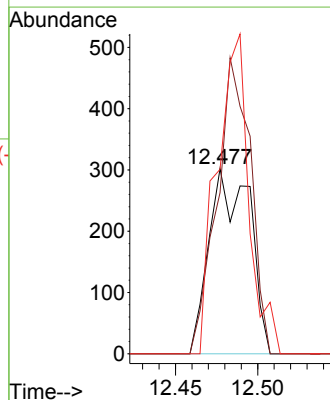
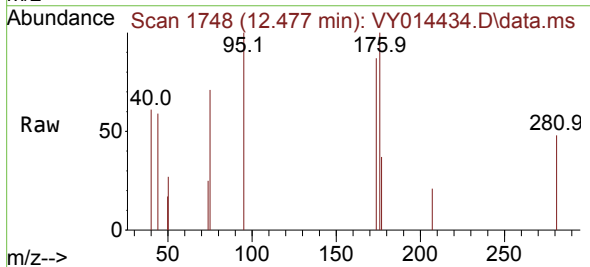
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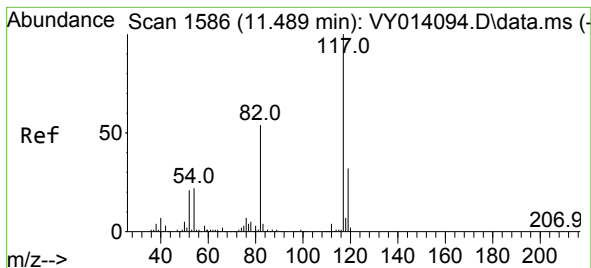
Tgt Ion: 98 Resp: 2325
Ion Ratio Lower Upper
98 100
100 70.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 29.245 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 95 Resp: 520
Ion Ratio Lower Upper
95 100
174 131.5 0.0 178.2
176 135.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014434.D

Acq: 26 Jun 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

TP3-0623

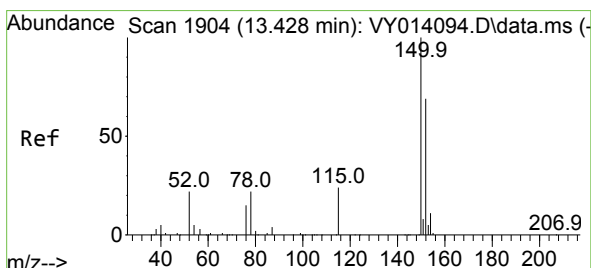
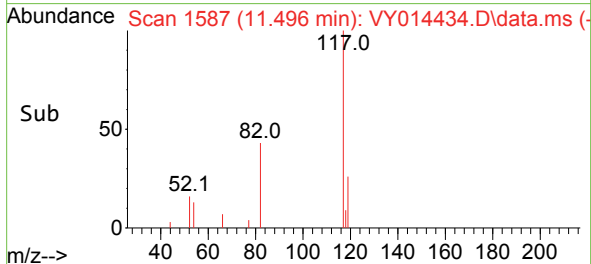
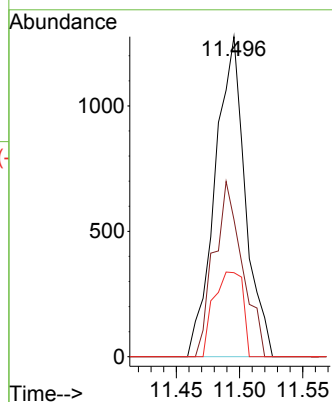
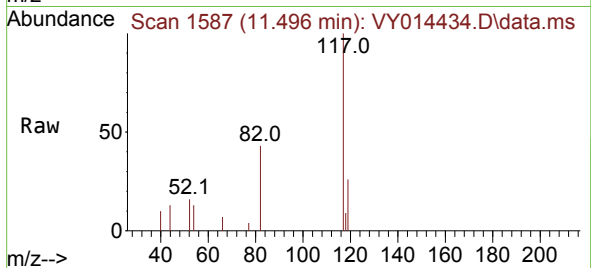
Tgt Ion:117 Resp: 2117

Ion Ratio Lower Upper

117 100

82 42.9 43.4 65.0#

119 26.3 26.3 39.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014434.D

Acq: 26 Jun 2023 15:17

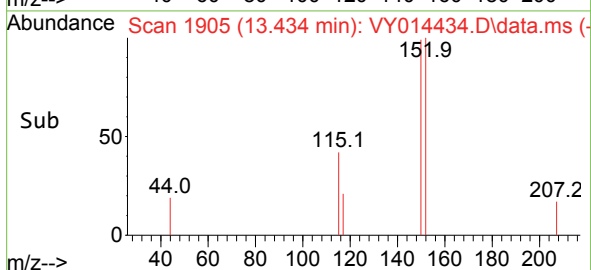
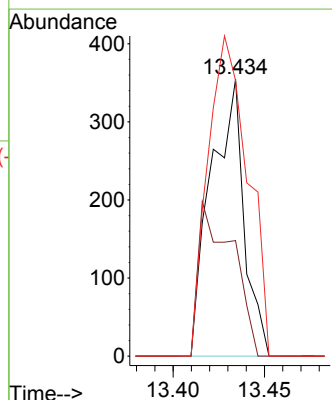
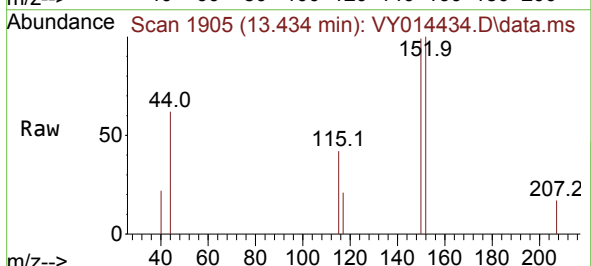
Tgt Ion:152 Resp: 445

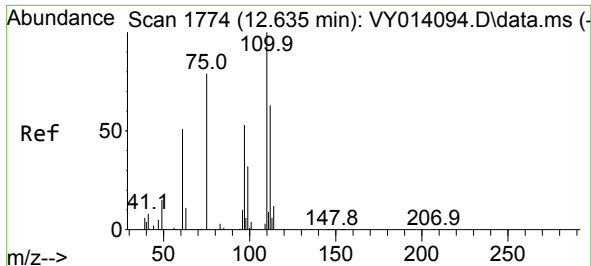
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 139.8 0.0 348.8

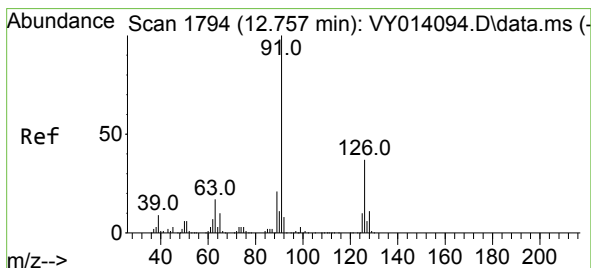
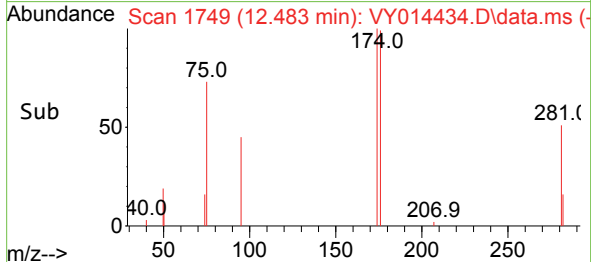
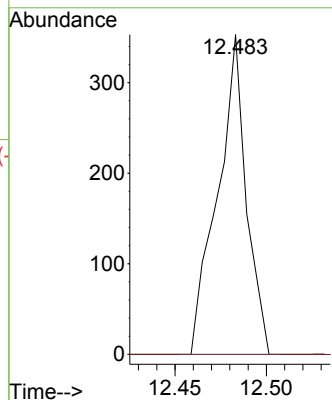
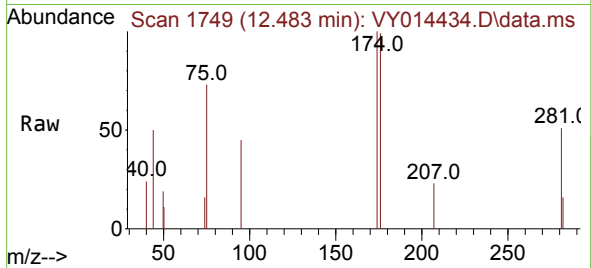




#76
1,2,3-Trichloropropane
Concen: 68.970 ug/l
RT: 12.483 min Scan# 1765
Delta R.T. -0.152 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

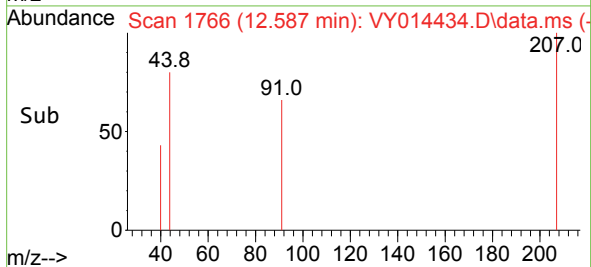
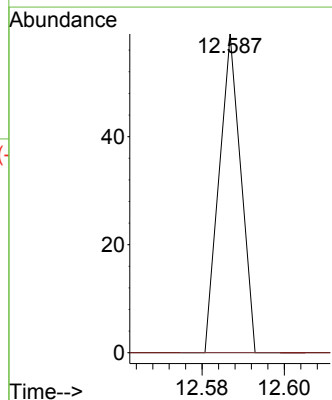
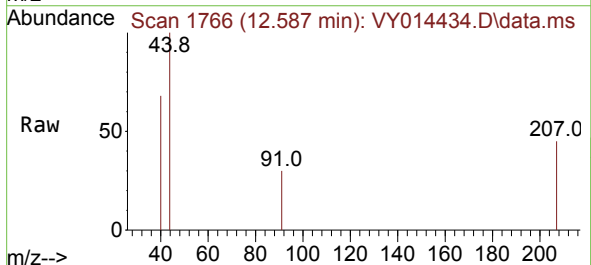
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

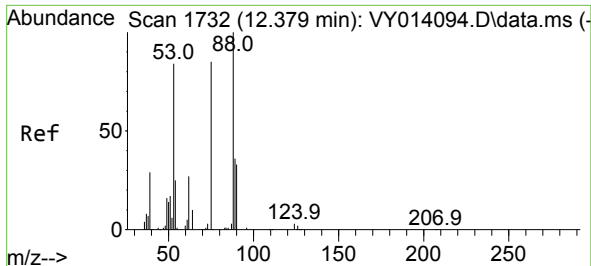
Tgt Ion: 75 Resp: 385
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.066 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.170 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 91 Resp: 22
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#

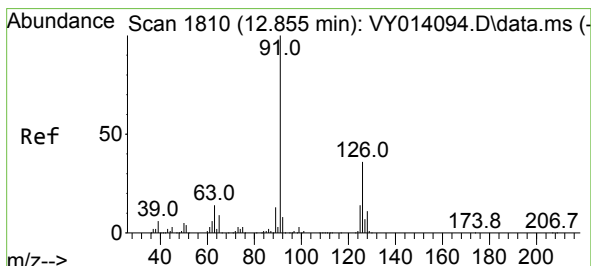
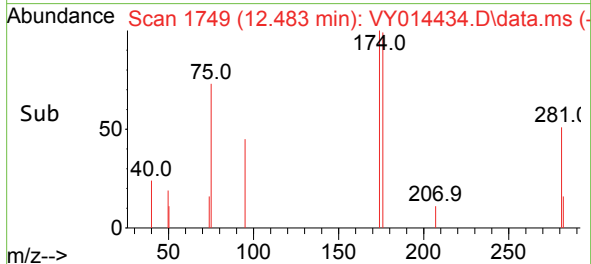
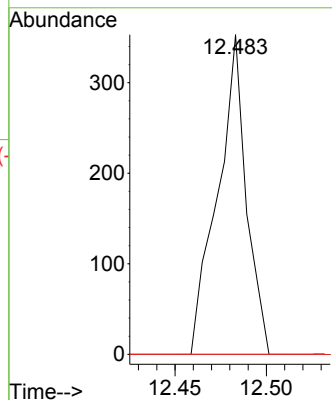
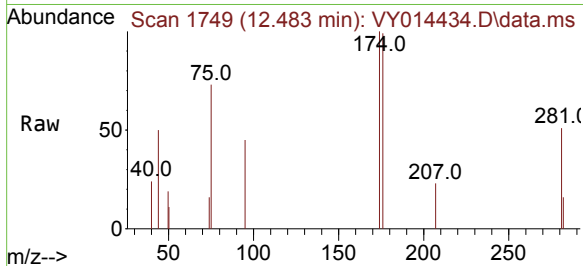




#81
trans-1,4-Dichloro-2-butene
Concen: 157.021 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :
TP3-0623

Tgt Ion: 75 Resp: 385
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 1.000 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.268 min
Lab File: VY014434.D
Acq: 26 Jun 2023 15:17

Tgt Ion: 91 Resp: 22
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

