

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015050.D
 Acq On : 11 Aug 2023 11:35
 Operator : SY/MD
 Sample : 03971-02
 Misc : 4.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP01A

Quant Time: Aug 12 04:18:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

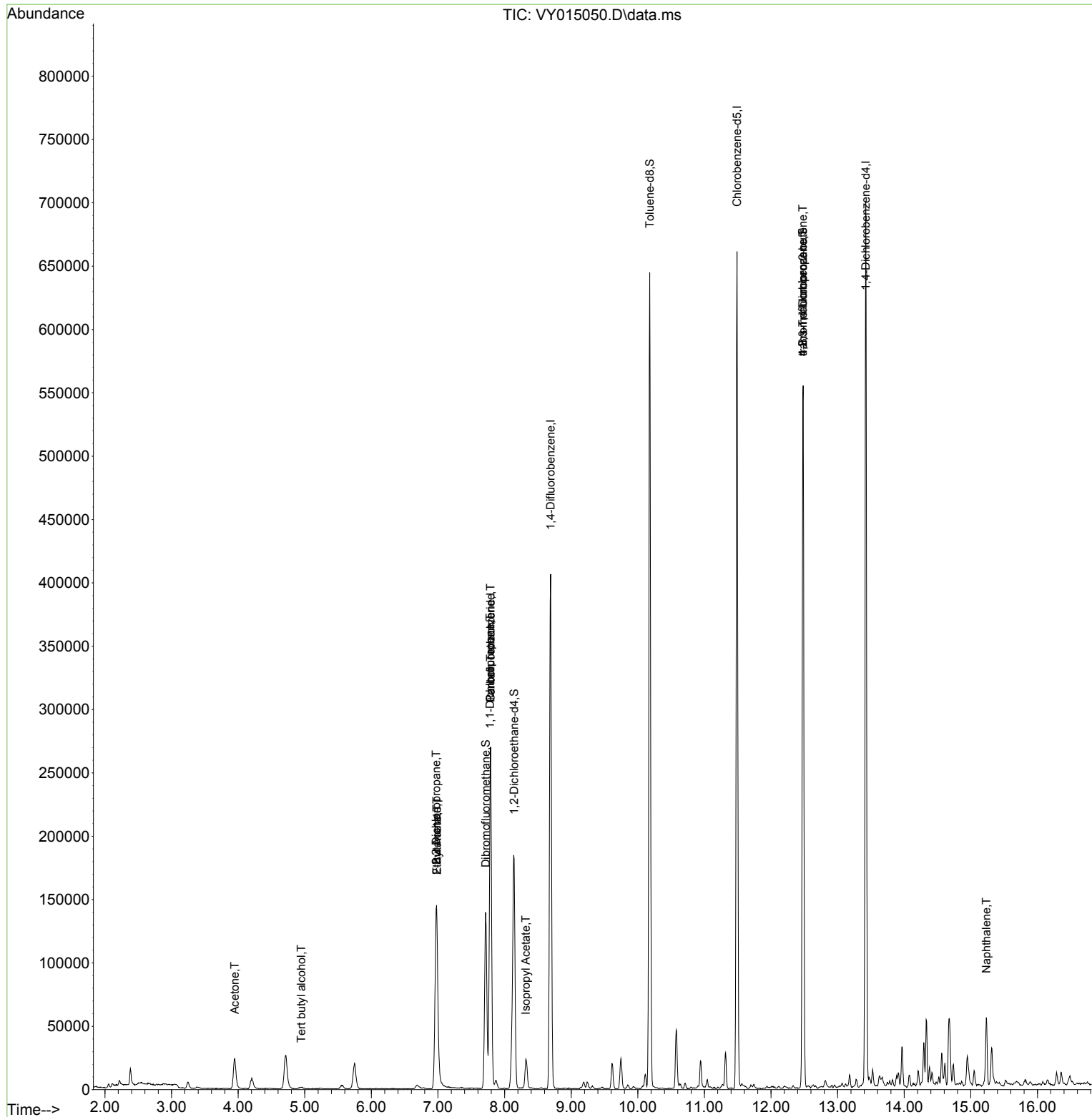
Internal Standards						
1) Pentafluorobenzene	7.789	168	208879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	349556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	135425	53.492	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.980%	
35) Dibromofluoromethane	7.715	113	97333	42.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.620%	
50) Toluene-d8	10.178	98	422852	48.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.477	95	163304	53.242	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	166	Below Cal	#	43
5) Bromomethane	2.661	94	592	Below Cal	#	74
11) Tert butyl alcohol	4.948	59	1537	2.516	ug/l #	94
16) Acetone	3.948	43	42092	53.318	ug/l	93
20) Methylene Chloride	4.716	84	20251	Below Cal		89
25) 2-Butanone	6.984	43	13506	11.944	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	10471	2.849	ug/l #	54
31) Cyclohexane	7.789	56	4449	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	16112	5.708	ug/l #	50
37) Ethyl Acetate	6.984	43	13506	6.028	ug/l #	37
38) Carbon Tetrachloride	7.789	117	20774	6.546	ug/l #	17
43) Isopropyl Acetate	8.319	43	5068	1.217	ug/l #	55
76) 1,2,3-Trichloropropane	12.477	75	87139	41.475	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87139	91.371	ug/l #	10
95) Naphthalene	15.232	128	42774	5.500	ug/l	99

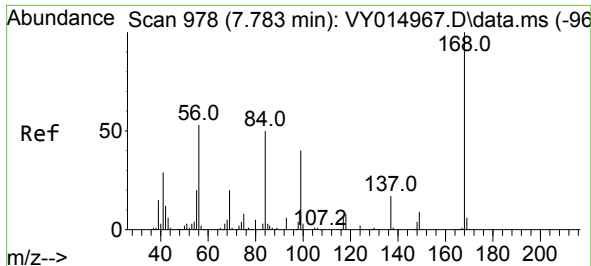
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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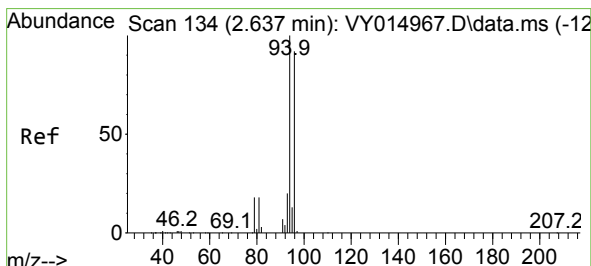
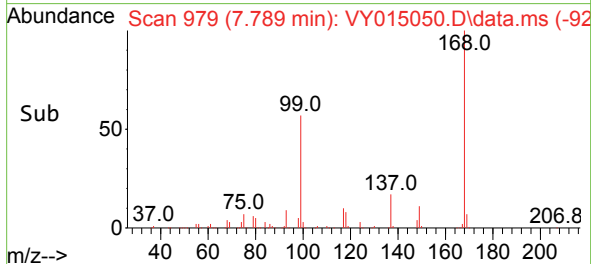
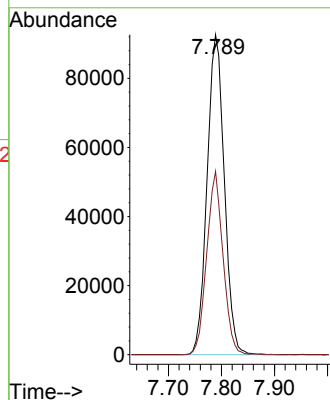
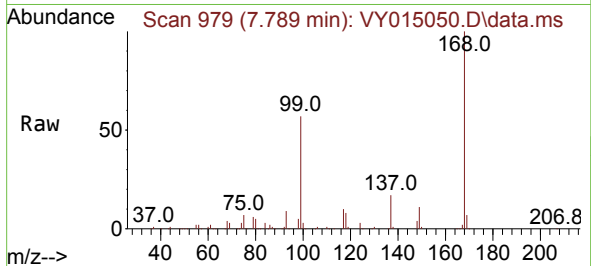




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

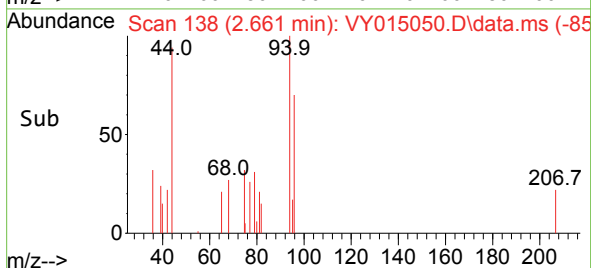
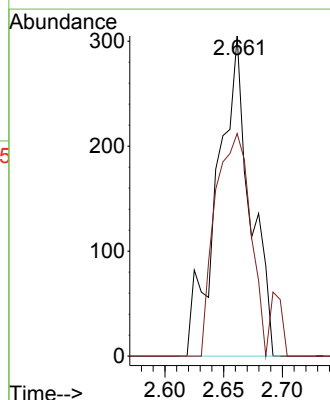
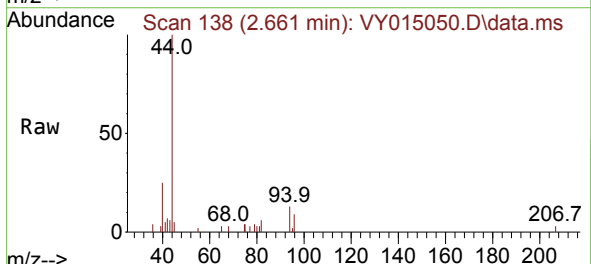
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

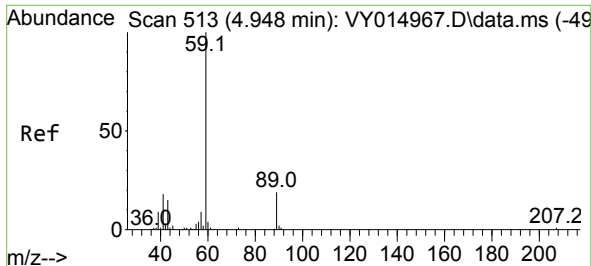
Tgt Ion:168 Resp: 208879
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.661 min Scan# 138
Delta R.T. 0.024 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 94 Resp: 592
Ion Ratio Lower Upper
94 100
96 69.5 75.8 113.6#

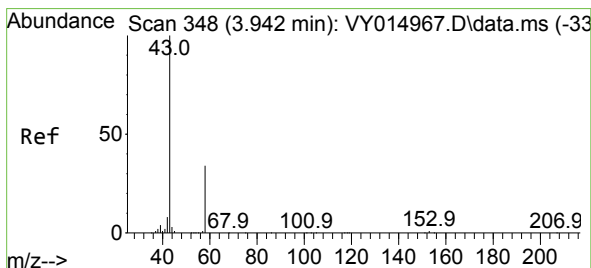
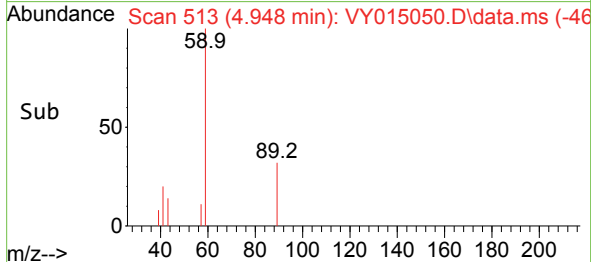
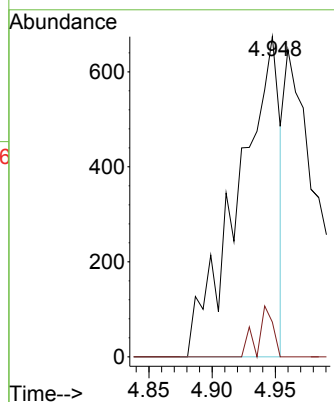
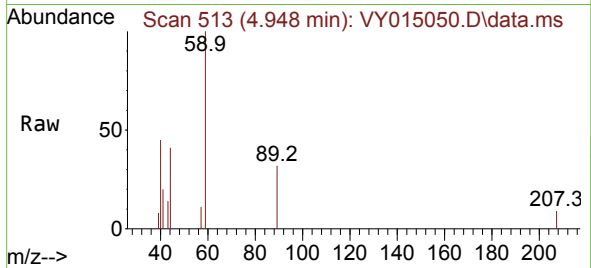




#11
Tert butyl alcohol
Concen: 2.516 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

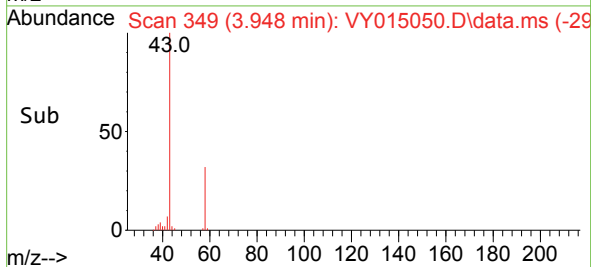
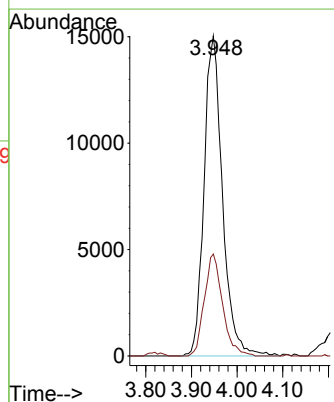
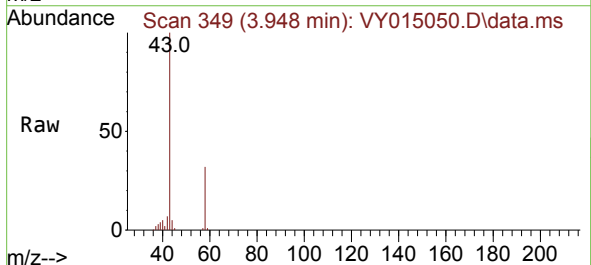
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

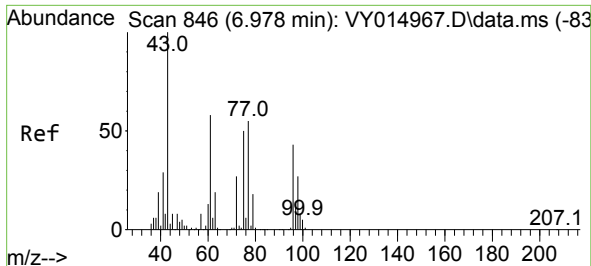
Tgt Ion: 59 Resp: 1537
Ion Ratio Lower Upper
59 100
57 5.8 3.0 4.4#



#16
Acetone
Concen: 53.318 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 43 Resp: 42092
Ion Ratio Lower Upper
43 100
58 31.9 22.7 34.1

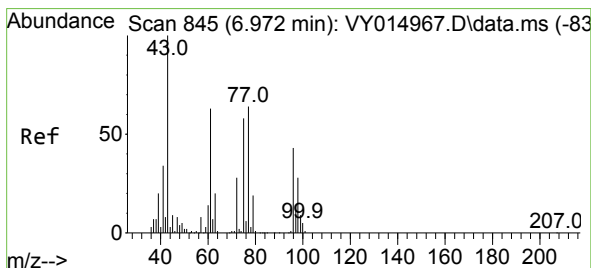
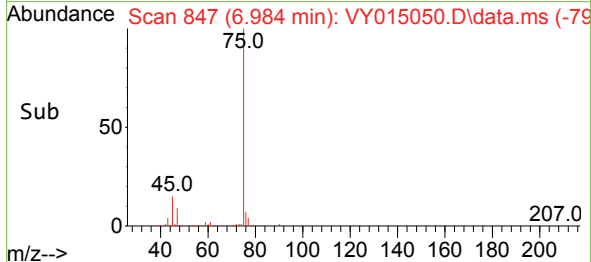
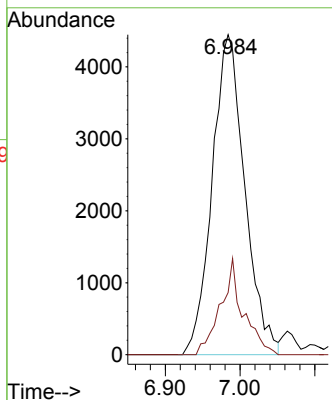
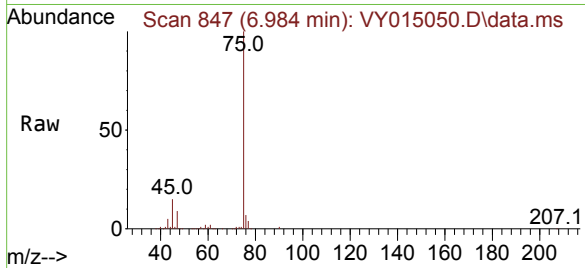




#25
2-Butanone
Concen: 11.944 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

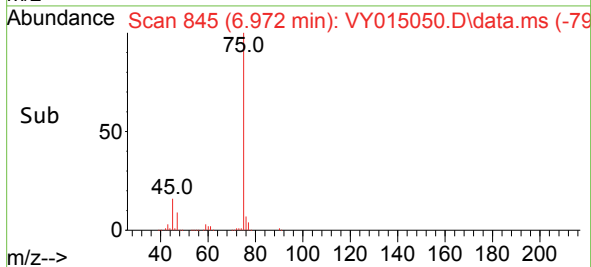
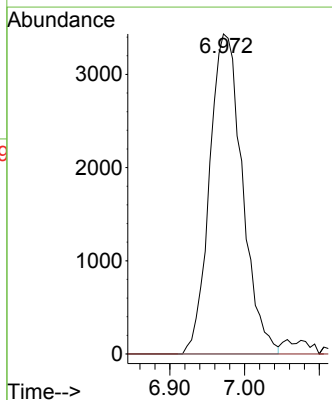
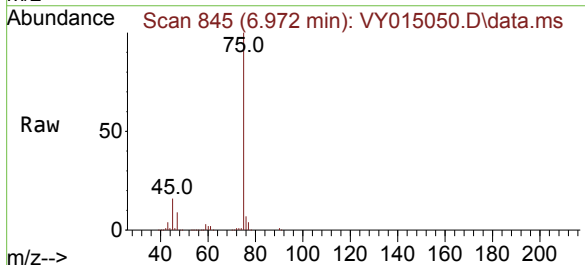
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

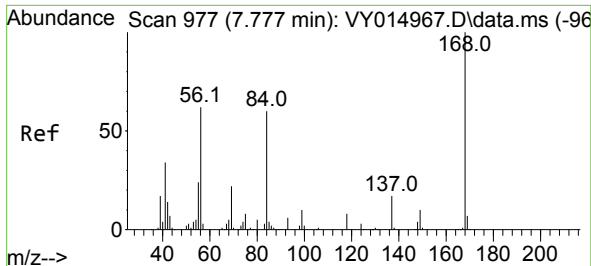
Tgt Ion: 43 Resp: 13506
Ion Ratio Lower Upper
43 100
72 19.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.849 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 77 Resp: 10471
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

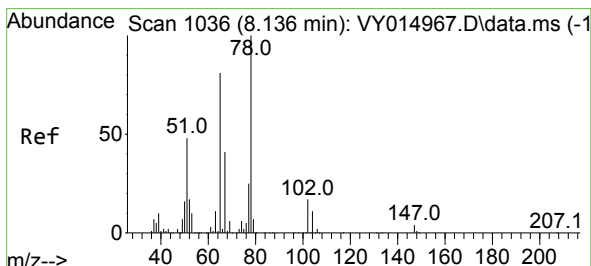
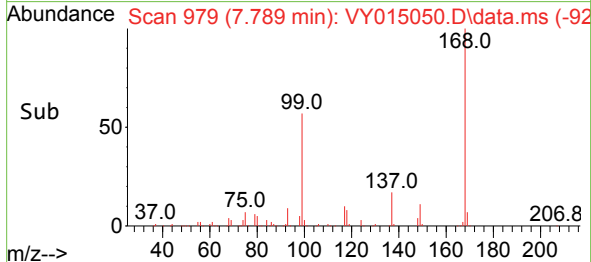
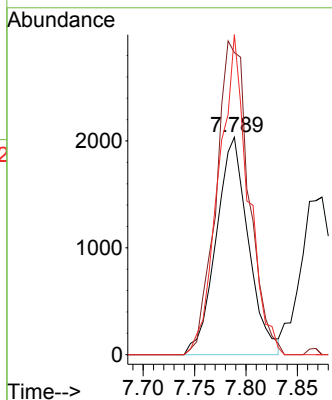
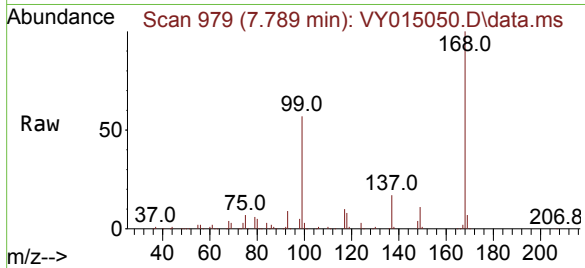




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

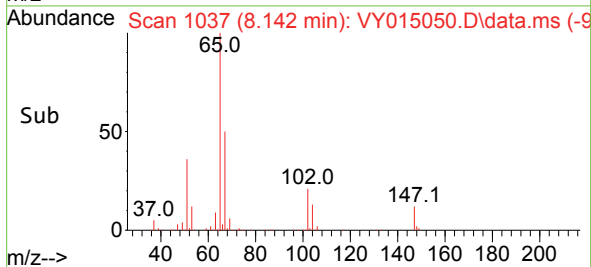
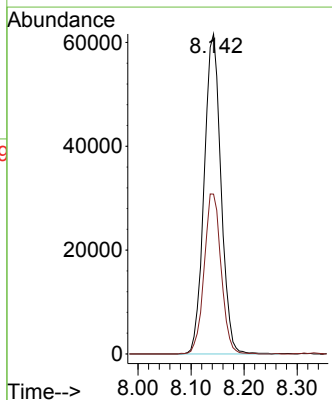
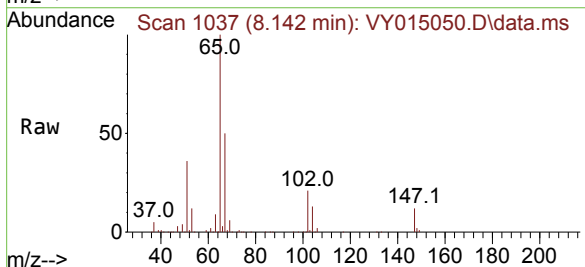
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

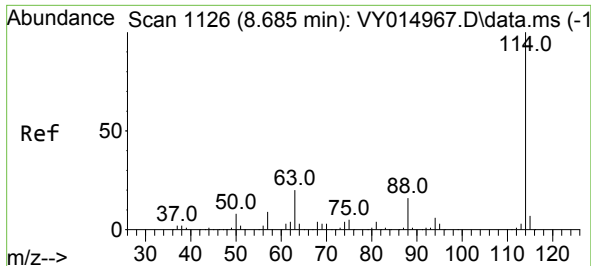
Tgt Ion: 56 Resp: 4449
Ion Ratio Lower Upper
56 100
69 138.9 27.8 41.6#
84 147.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.492 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 65 Resp: 135425
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015050.D

Acq: 11 Aug 2023 11:35

Instrument :

MSVOA_Y

ClientSampleId :

B-PP01A

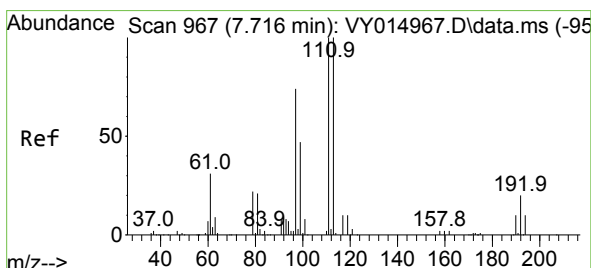
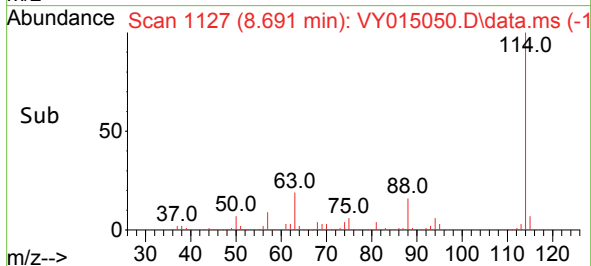
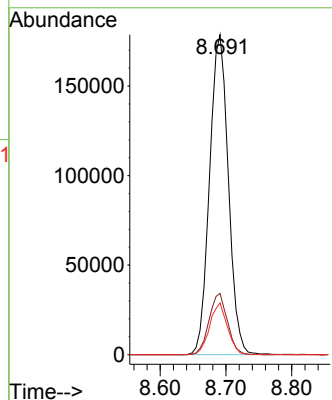
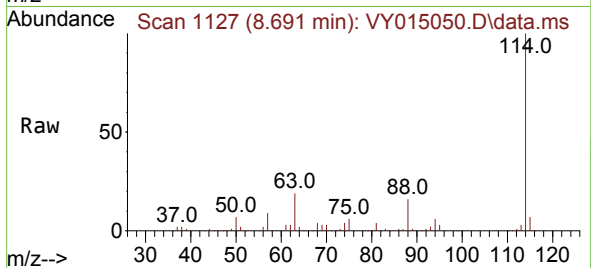
Tgt Ion:114 Resp: 355551

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 42.809 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015050.D

Acq: 11 Aug 2023 11:35

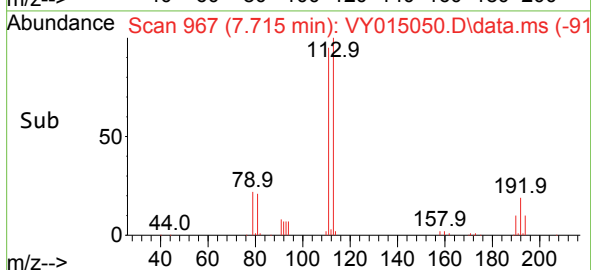
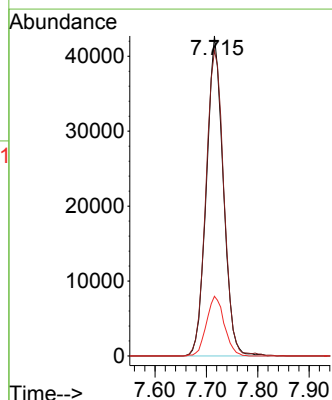
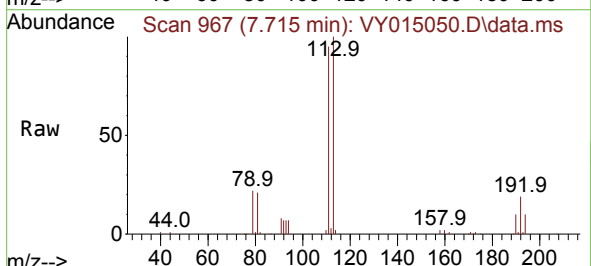
Tgt Ion:113 Resp: 97333

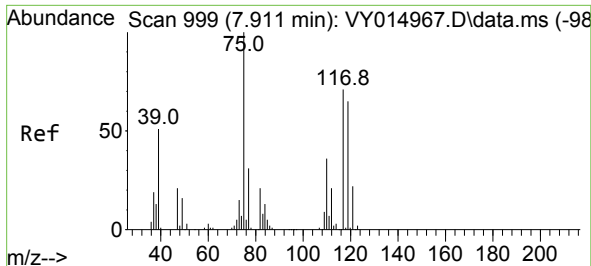
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 19.7 16.9 25.3

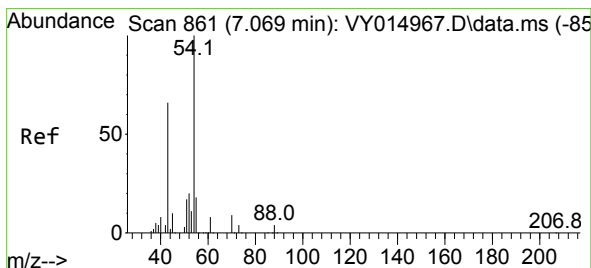
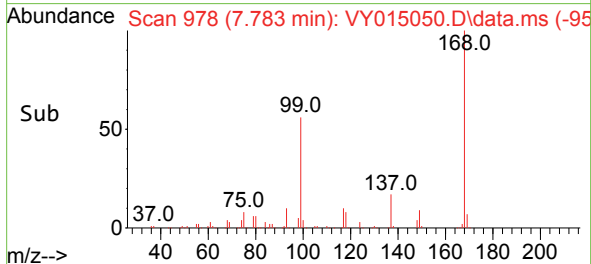
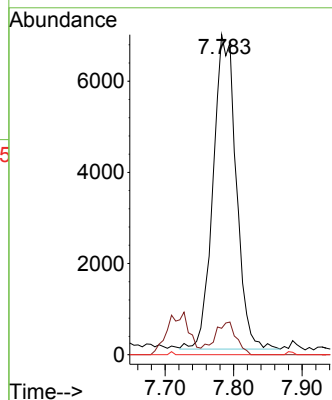
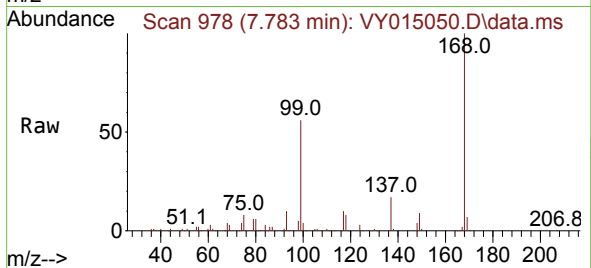




#36
1,1-Dichloropropene
Concen: 5.708 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

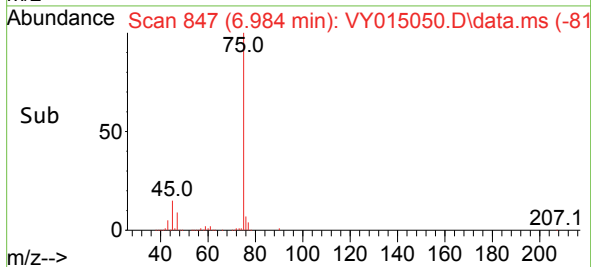
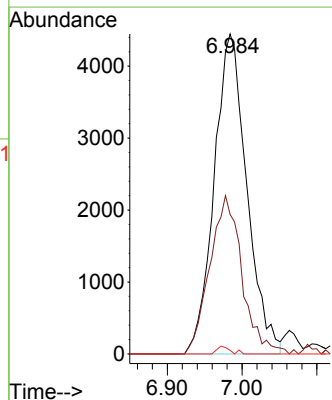
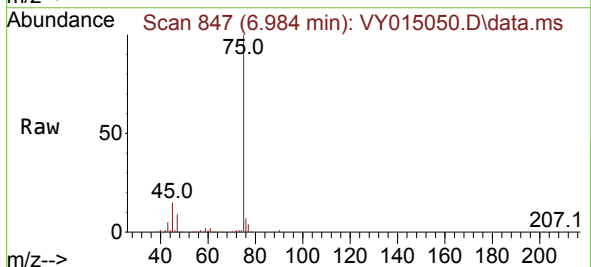
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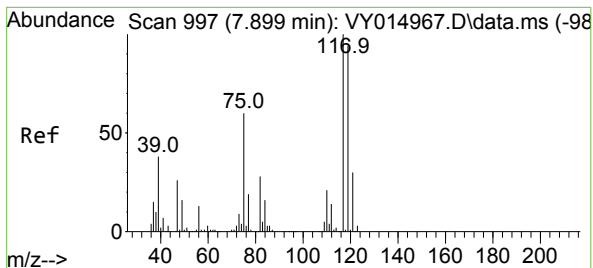
Tgt Ion: 75 Resp: 16112
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 6.028 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 43 Resp: 13506
Ion Ratio Lower Upper
43 100
61 48.7 10.1 15.1#
70 1.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.546 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY015050.D

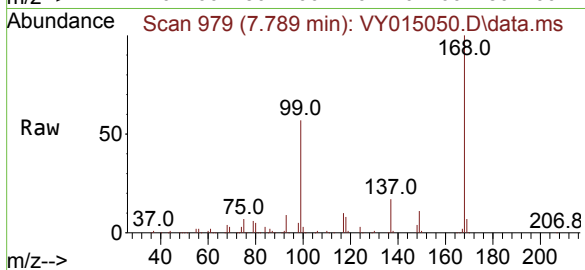
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Instrument :

MSVOA_Y

ClientSampleId :

B-PP01A



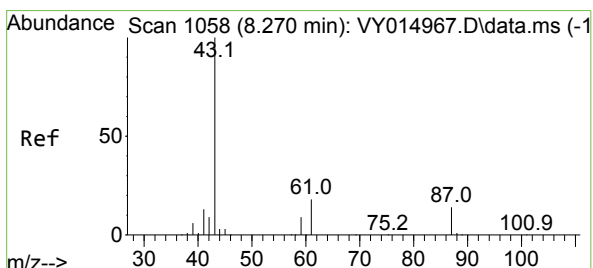
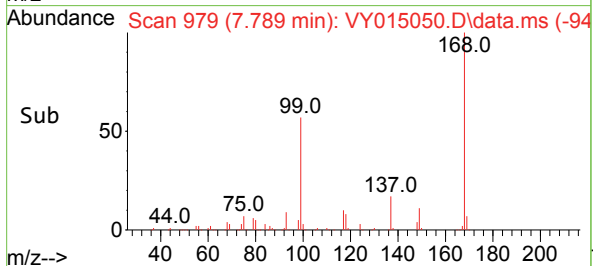
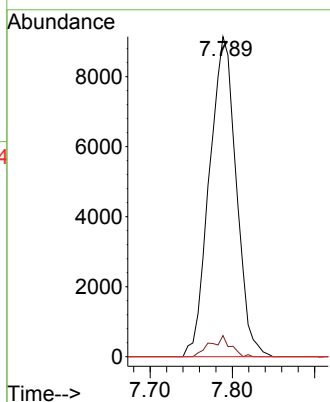
Tgt Ion:117 Resp: 20774

Ion Ratio Lower Upper

117 100

119 6.6 76.4 114.6#

121 0.0 25.8 38.6#



#43

Isopropyl Acetate

Concen: 1.217 ug/l

RT: 8.319 min Scan# 1066

Delta R.T. 0.049 min

Lab File: VY015050.D

Acq: 11 Aug 2023 11:35

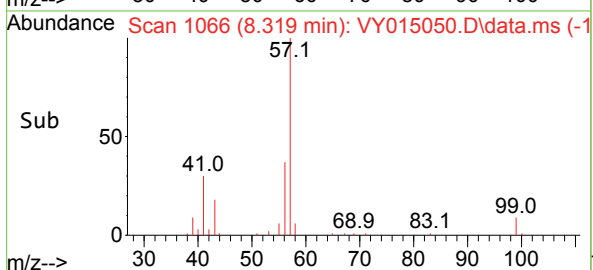
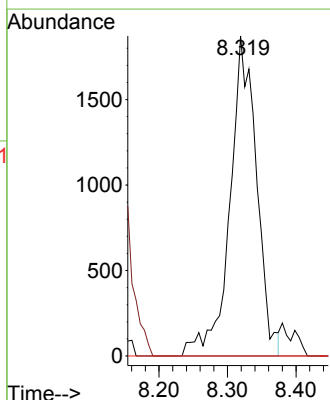
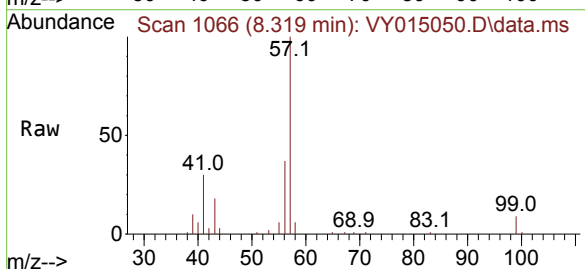
Tgt Ion: 43 Resp: 5068

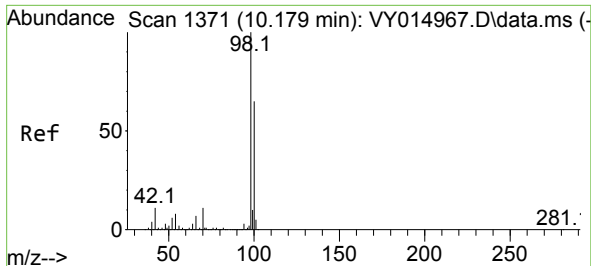
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#

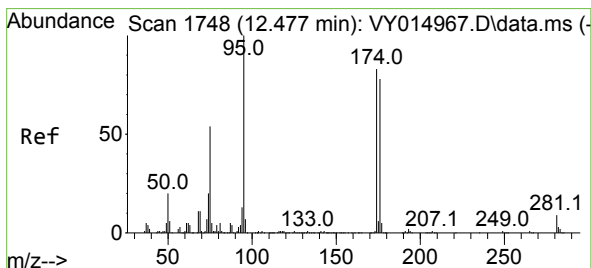
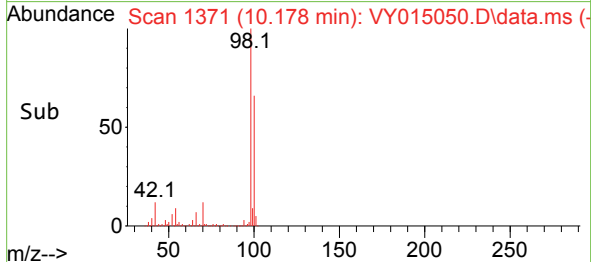
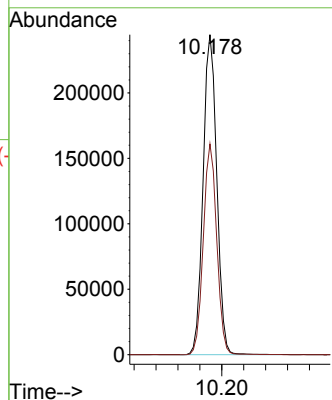
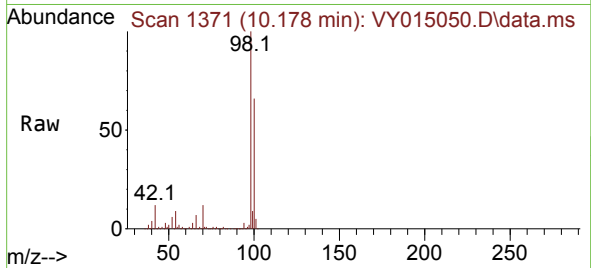




#50
Toluene-d8
Concen: 48.861 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

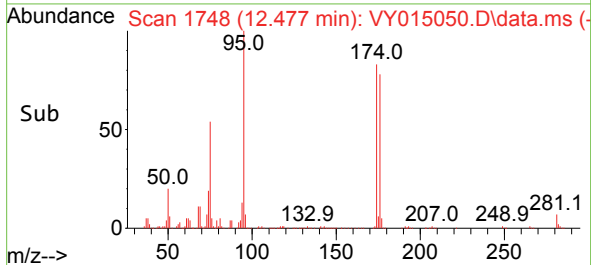
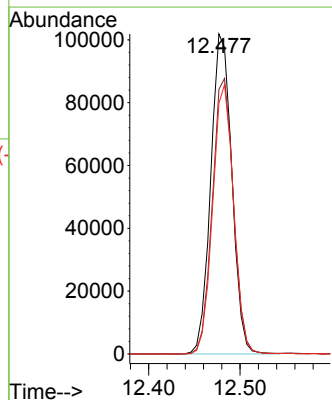
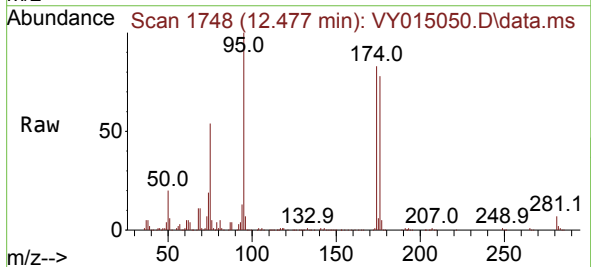
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

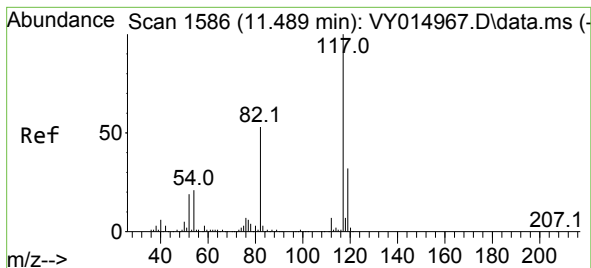
Tgt Ion: 98 Resp: 422852
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.242 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Tgt Ion: 95 Resp: 163304
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015050.D

Acq: 11 Aug 2023 11:35

Instrument :

MSVOA_Y

ClientSampleId :

B-PP01A

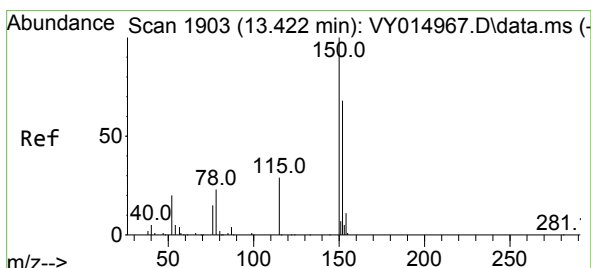
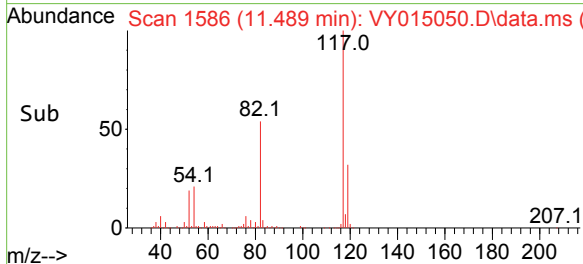
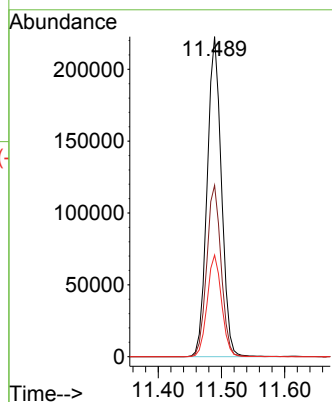
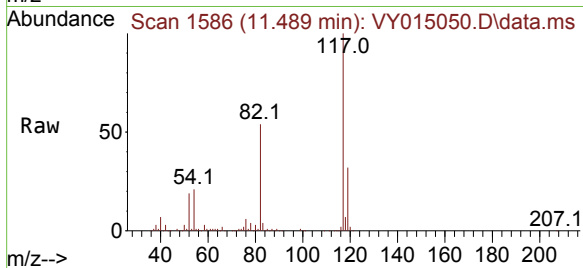
Tgt Ion:117 Resp: 349556

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 31.7 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: VY015050.D

Acq: 11 Aug 2023 11:35

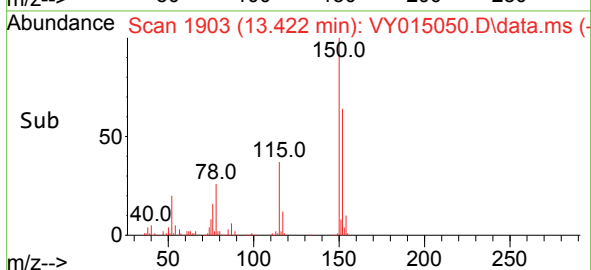
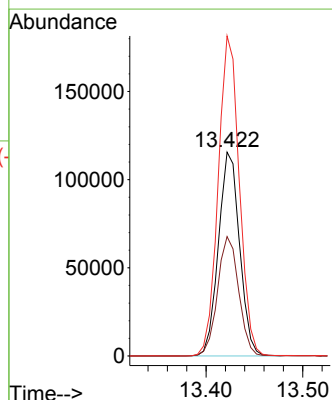
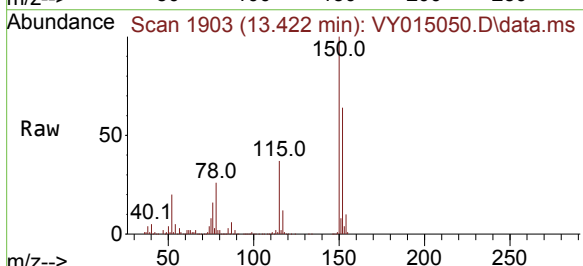
Tgt Ion:152 Resp: 175340

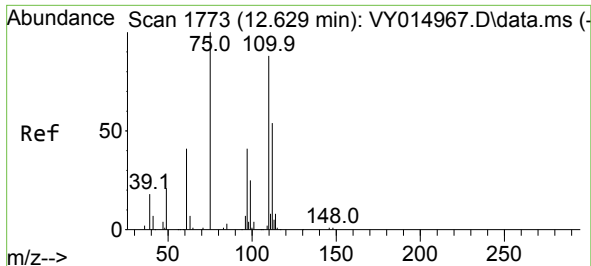
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.0 0.0 348.8

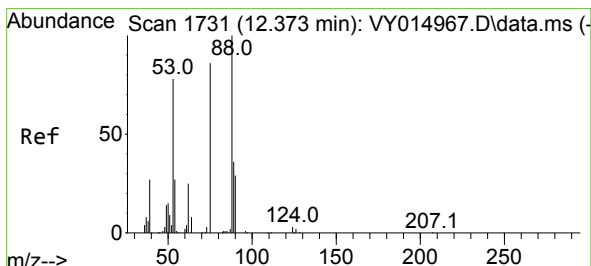
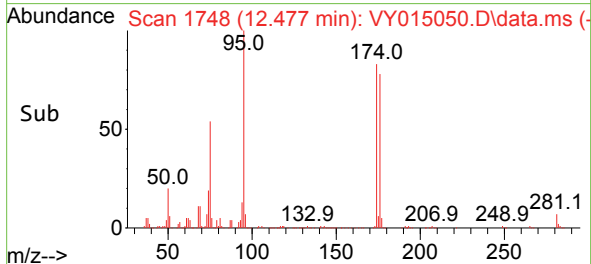
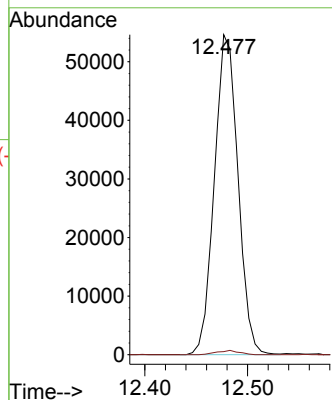
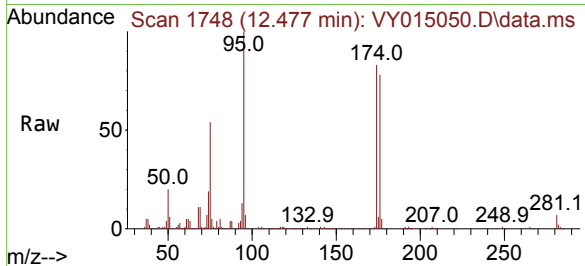




#76
1,2,3-Trichloropropane
Concen: 41.475 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

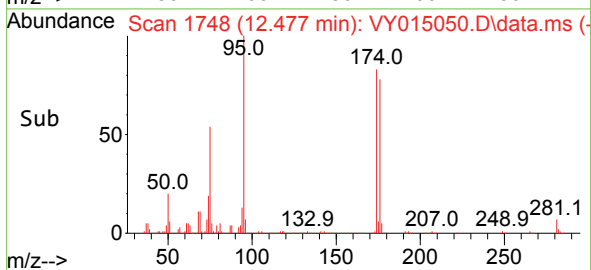
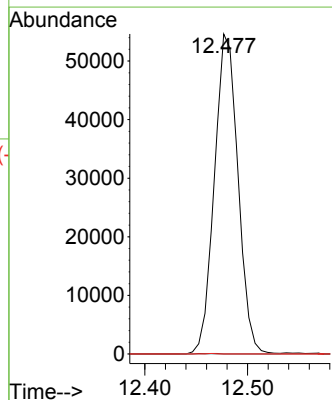
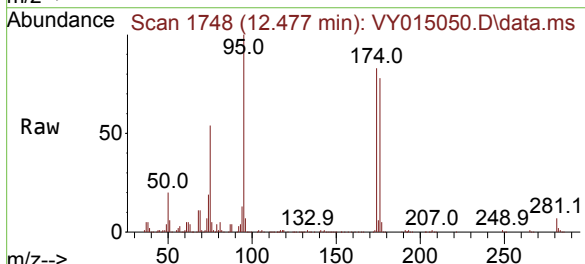
Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A

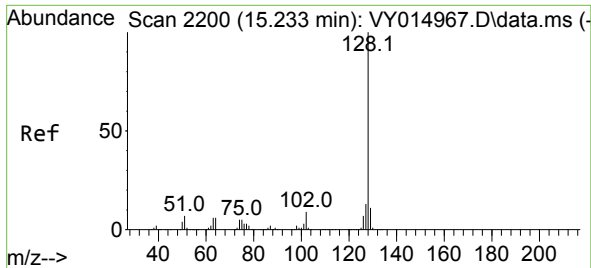
Tgt Ion: 75 Resp: 87139
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.371 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

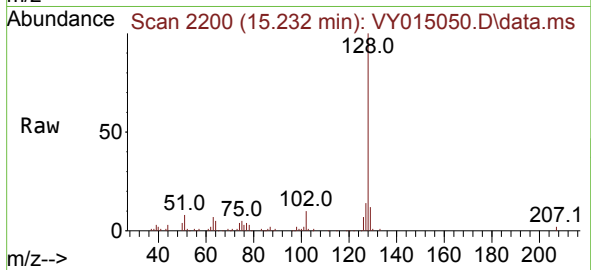
Tgt Ion: 75 Resp: 87139
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 5.500 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015050.D
Acq: 11 Aug 2023 11:35

Instrument :
MSVOA_Y
ClientSampleId :
B-PP01A



Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	10.7	8.6	13.0

