

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011024\
 Data File : VY016972.D
 Acq On : 10 Jan 2024 14:50
 Operator : SY/MD
 Sample : P1067-09RE
 Misc : 1.96g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 11 00:13:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

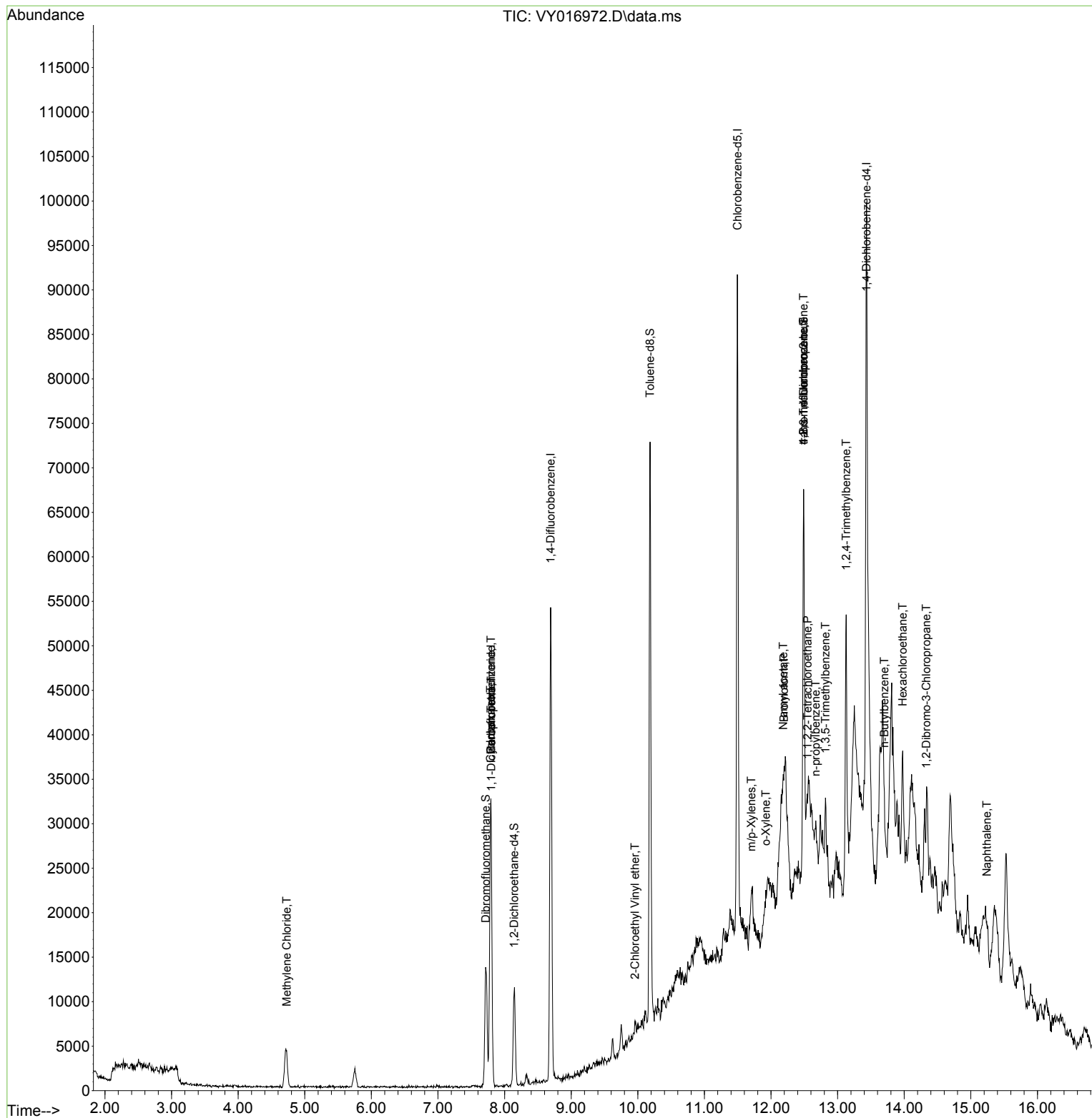
Internal Standards						
1) Pentafluorobenzene	7.795	168	25179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	45982	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	39928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	15584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8517	34.224	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	68.440%		
35) Dibromofluoromethane	7.715	113	10266	35.036	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	70.080%		
50) Toluene-d8	10.185	98	42920	42.537	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.080%		
62) 4-Bromofluorobenzene	12.489	95	13476	39.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.180%		
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	185	Below Cal	#	41
20) Methylene Chloride	4.728	84	3253	3.487	ug/l #	91
31) Cyclohexane	7.789	56	544	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	2141	5.014	ug/l #	50
38) Carbon Tetrachloride	7.795	117	2712	6.251	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.959	63	42	17.735	ug/l #	1
68) m/p-Xylenes	11.703	106	1992	3.624	ug/l	87
69) o-Xylene	11.922	106	762	1.479	ug/l	44
71) Bromoform	12.196	173	208	1.336	ug/l #	80
74) N-amyl acetate	12.184	43	307	1.201	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.550	83	1947	7.509	ug/l #	32
76) 1,2,3-Trichloropropane	12.489	75	6300	37.253	ug/l #	100
78) n-propylbenzene	12.672	91	1907	1.233	ug/l	78
80) 1,3,5-Trimethylbenzene	12.818	105	3267	3.246	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.489	75	6300	84.592	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.129	105	15154	15.289	ug/l	97
89) n-Butylbenzene	13.702	91	1445	1.386	ug/l #	71
90) Hexachloroethane	13.977	117	861	3.696	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.330	75	41	1.261	ug/l #	12
95) Naphthalene	15.239	128	1263	3.769	ug/l #	76

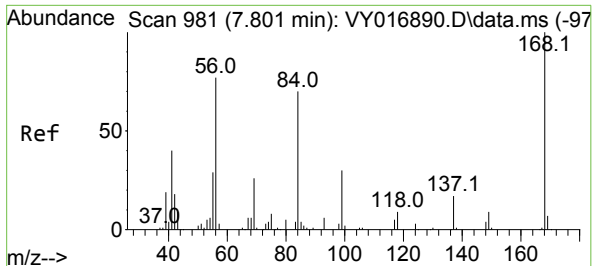
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

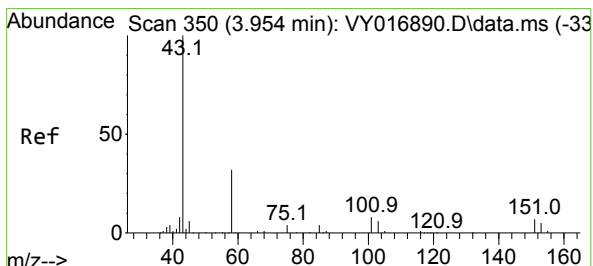
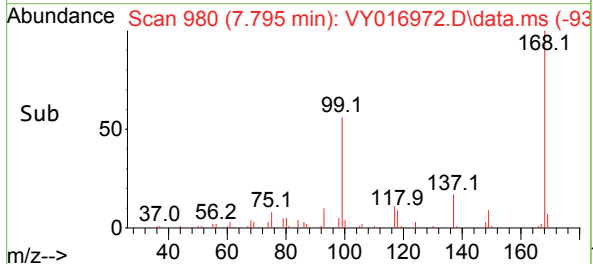
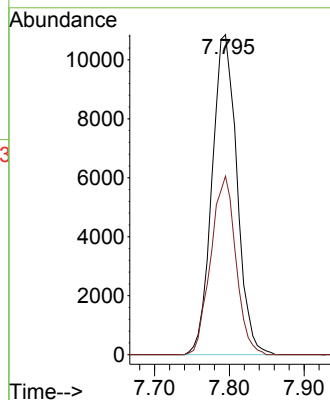
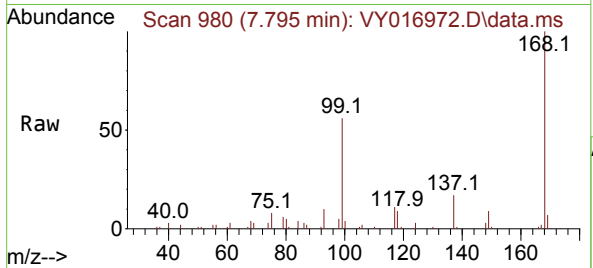




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

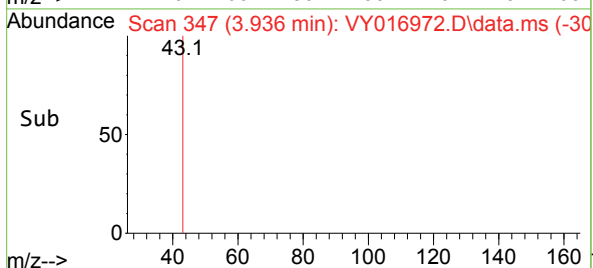
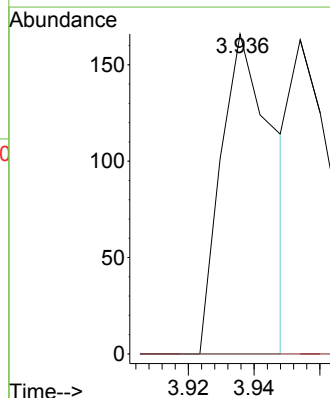
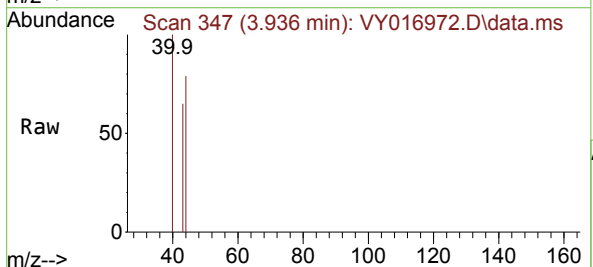
Instrument :
MSVOA_Y
ClientSampleId :

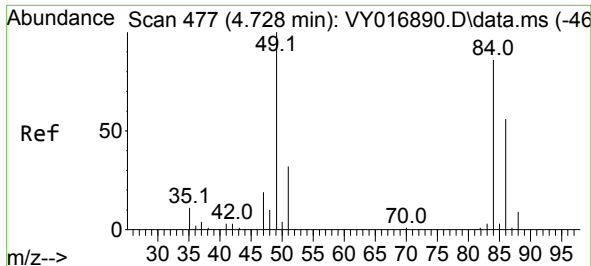
Tgt Ion:168 Resp: 25179
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#16
Acetone
Concen: Below Cal
RT: 3.936 min Scan# 347
Delta R.T. -0.024 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

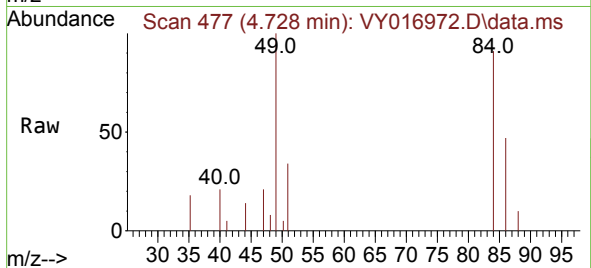
Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



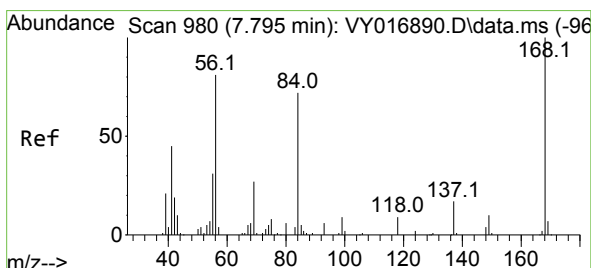
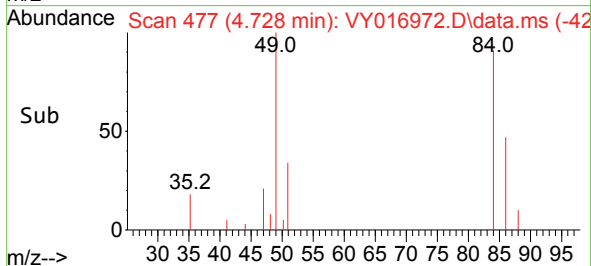
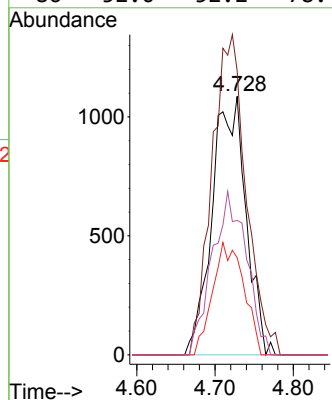


#20
Methylene Chloride
Concen: 3.487 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

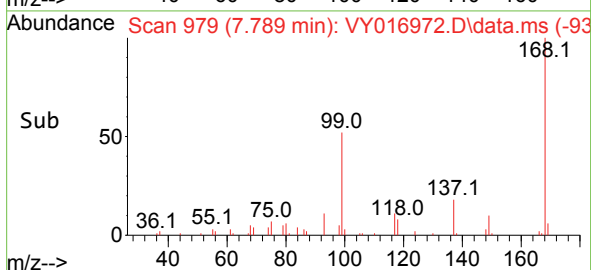
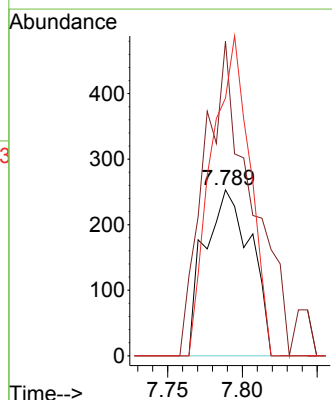
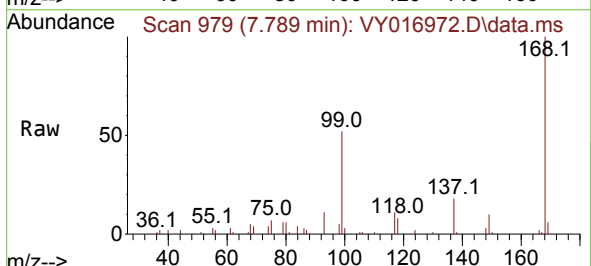


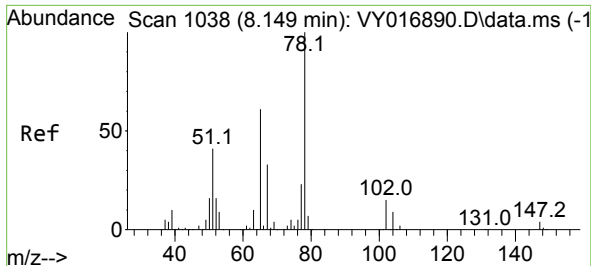
Tgt Ion: 84	Resp:	3253	
Ion	Ratio	Lower	Upper
84	100		
49	109.8	95.2	142.8
51	37.5	29.9	44.9
86	52.0	52.2	78.4#



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.012 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Tgt Ion: 56	Resp:	544	
Ion	Ratio	Lower	Upper
56	100		
69	189.7	27.0	40.6#
84	155.3	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 34.224 ug/l

RT: 8.142 min Scan# 1107

Delta R.T. -0.013 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

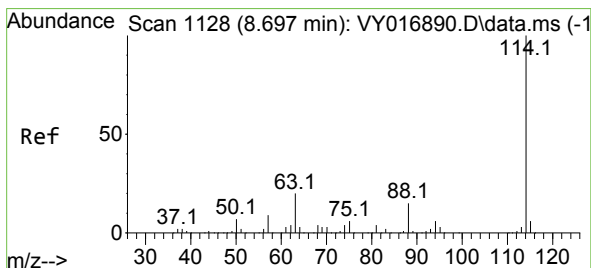
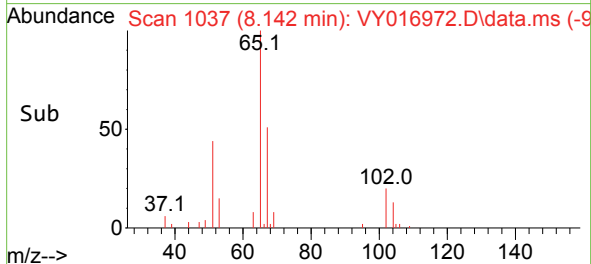
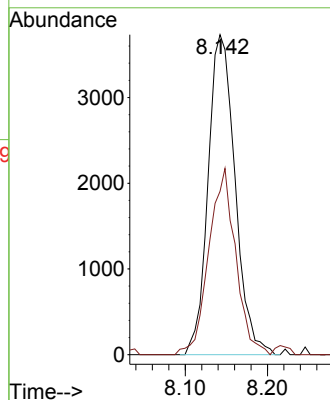
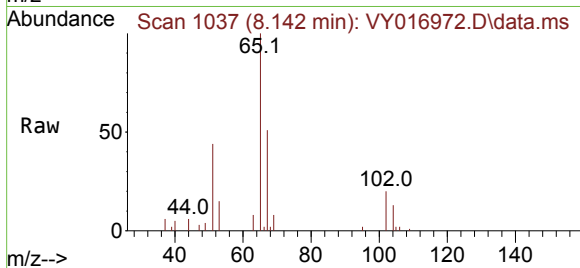
ClientSampleId :

Tgt Ion: 65 Resp: 8517

Ion Ratio Lower Upper

65 100

67 57.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

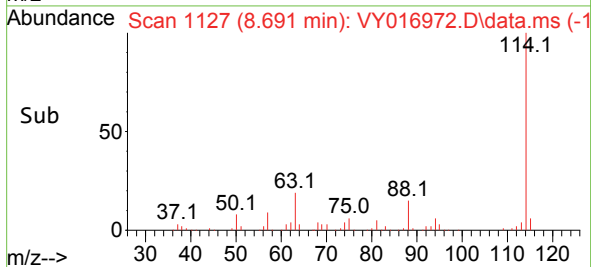
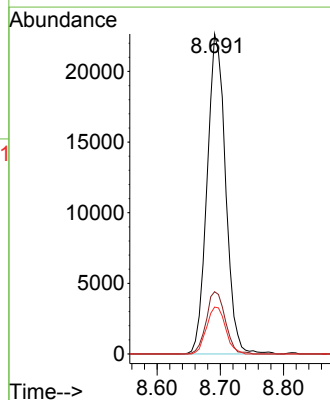
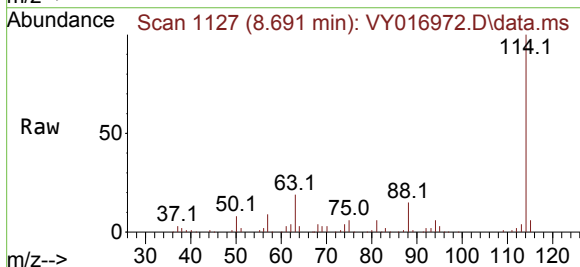
Tgt Ion: 114 Resp: 45982

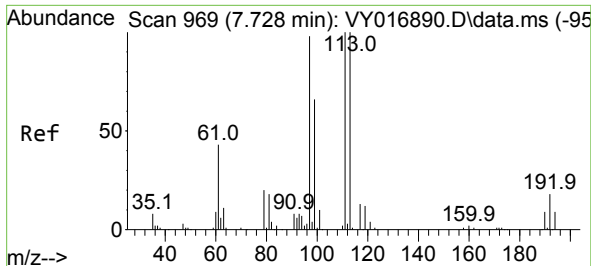
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

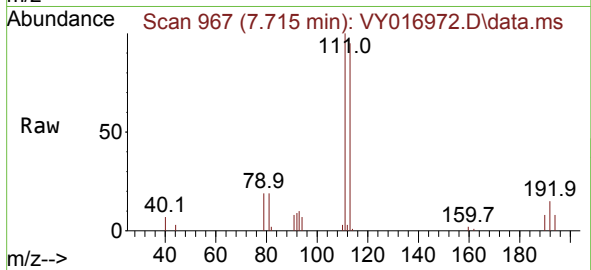
88 14.6 0.0 29.0



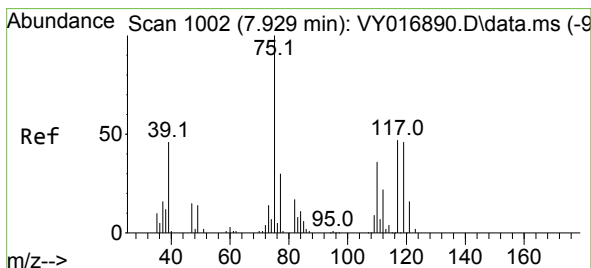
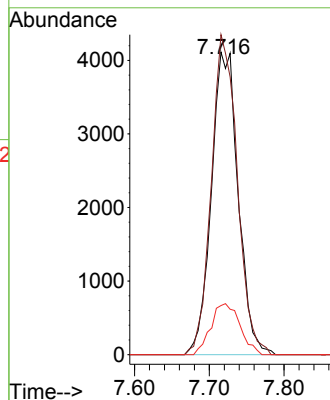
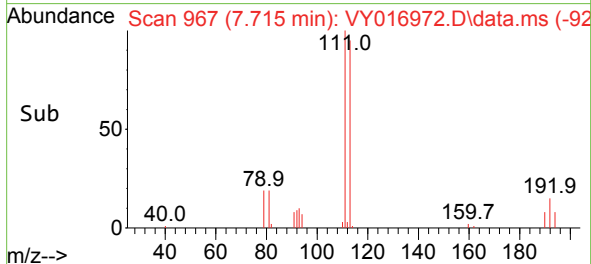


#35
Dibromofluoromethane
Concen: 35.036 ug/l
RT: 7.715 min Scan# 90
Delta R.T. -0.013 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

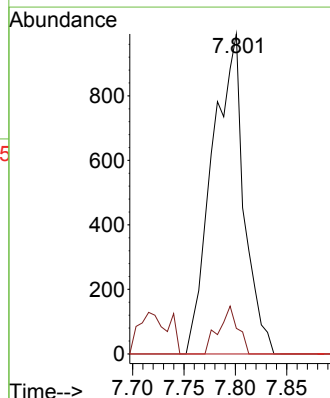
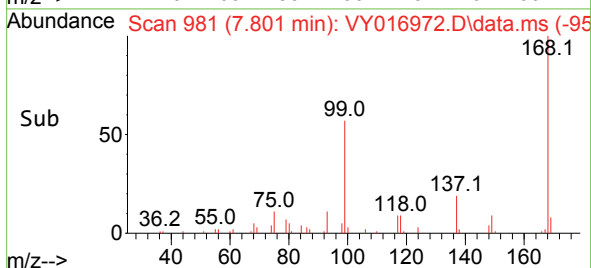
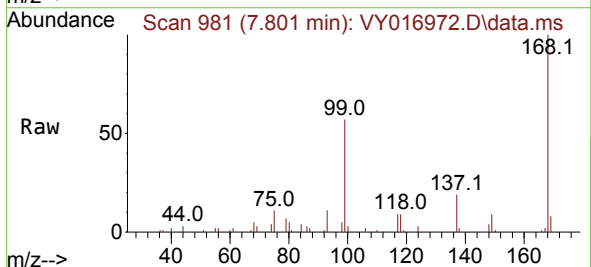


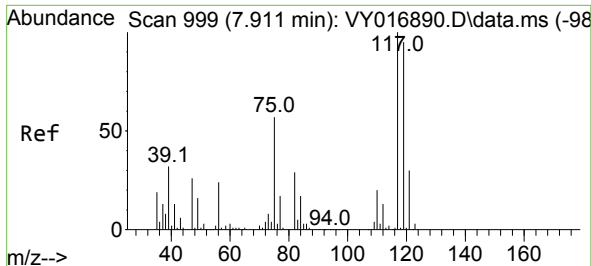
Tgt Ion:113 Resp: 10266
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 18.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.014 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

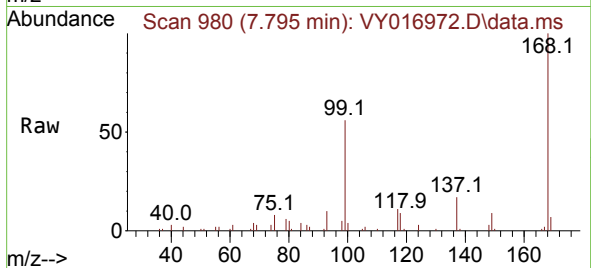
Tgt Ion: 75 Resp: 2141
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.7 37.1#



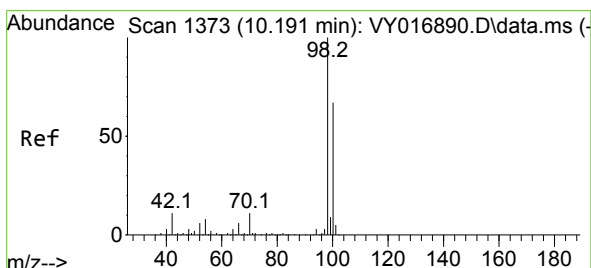
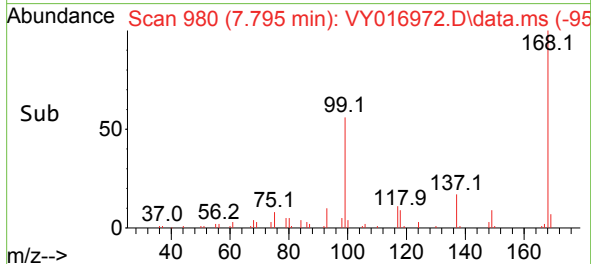
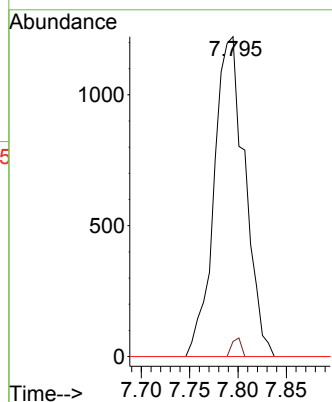


#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Instrument :
MSVOA_Y
ClientSampleId :

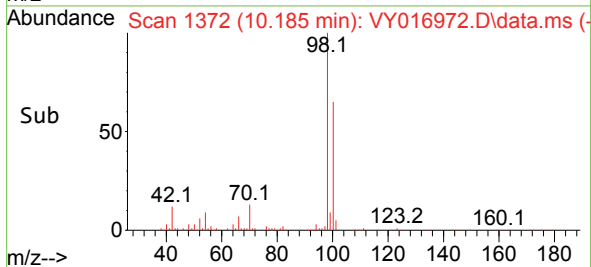
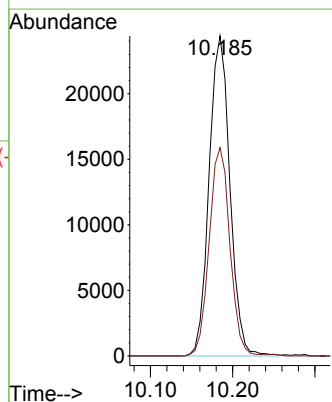
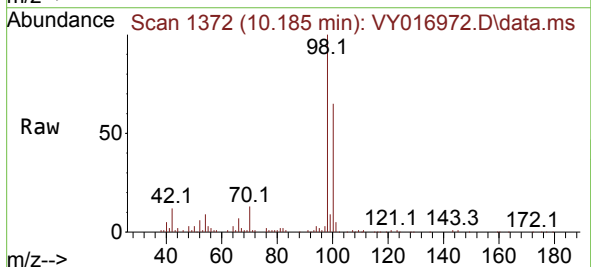


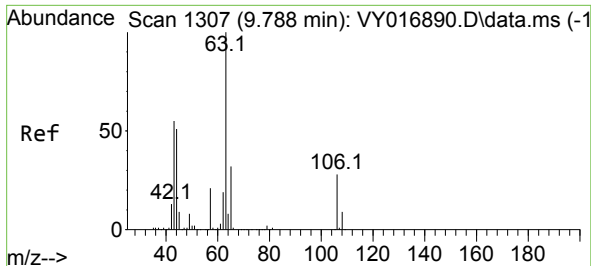
Tgt Ion:117 Resp: 2712
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 42.537 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Tgt Ion: 98 Resp: 42920
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

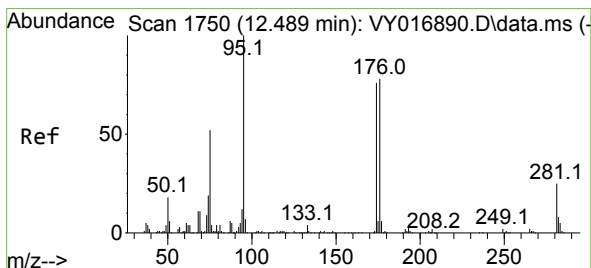
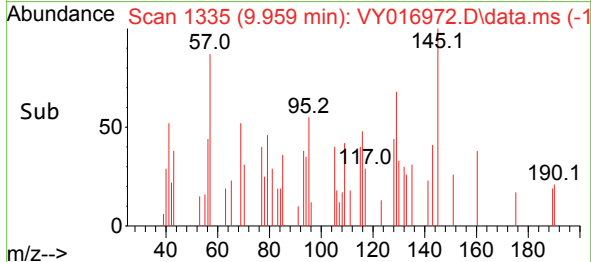
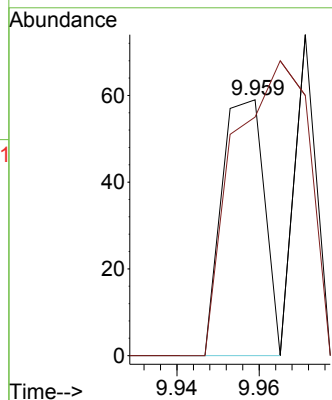
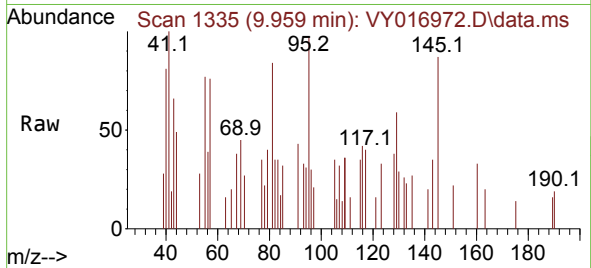




#58
2-Chloroethyl Vinyl ether
Concen: 17.735 ug/l
RT: 9.959 min Scan# 1335
Delta R.T. 0.171 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

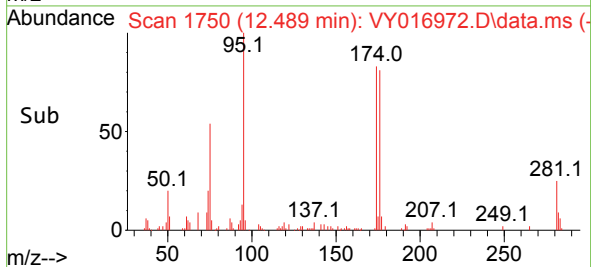
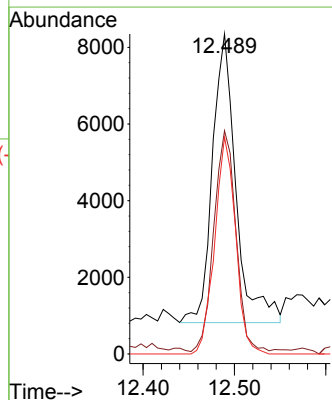
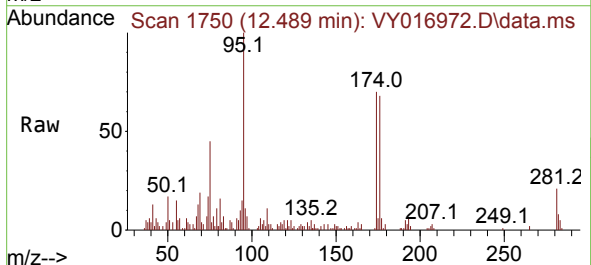
Instrument :
MSVOA_Y
ClientSampleId :

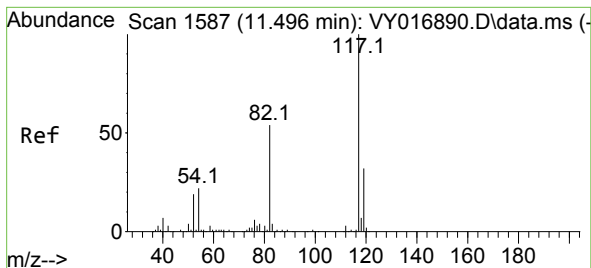
Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 204.8 22.4 33.6#



#62
4-Bromofluorobenzene
Concen: 39.586 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Tgt Ion: 95 Resp: 13476
Ion Ratio Lower Upper
95 100
174 71.4 0.0 160.0
176 66.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

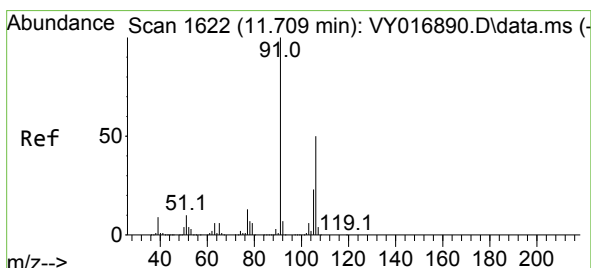
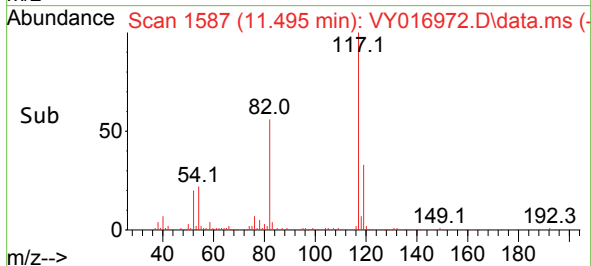
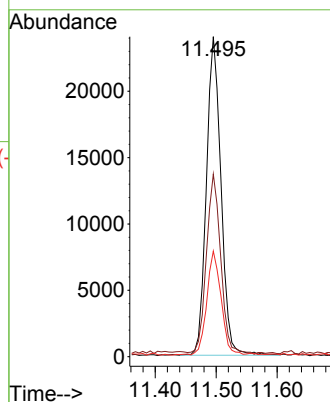
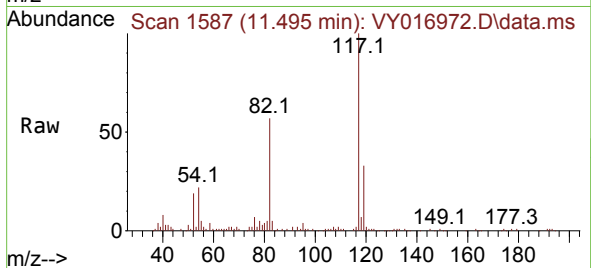
Tgt Ion:117 Resp: 39928

Ion Ratio Lower Upper

117 100

82 56.3 43.8 65.8

119 32.6 26.5 39.7



#68

m/p-Xylenes

Concen: 3.624 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY016972.D

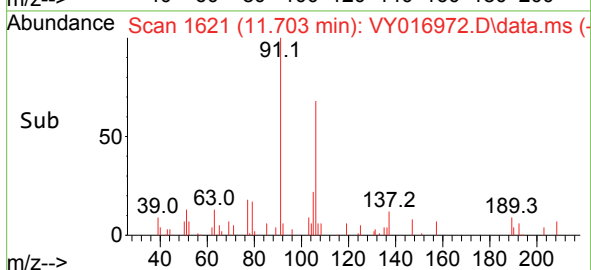
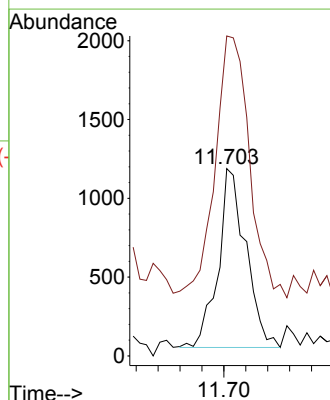
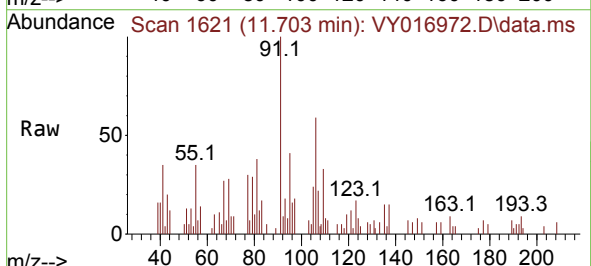
Acq: 10 Jan 2024 14:50

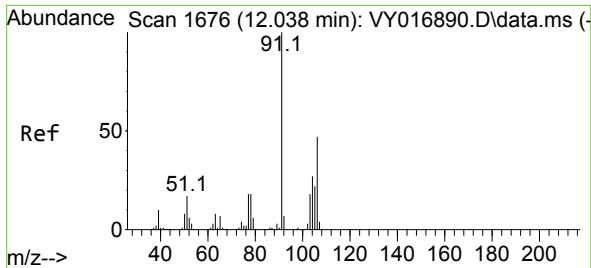
Tgt Ion:106 Resp: 1992

Ion Ratio Lower Upper

106 100

91 181.5 160.7 241.1

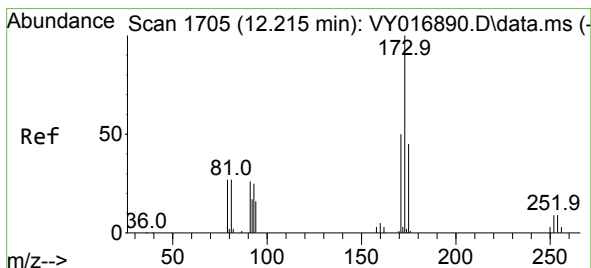
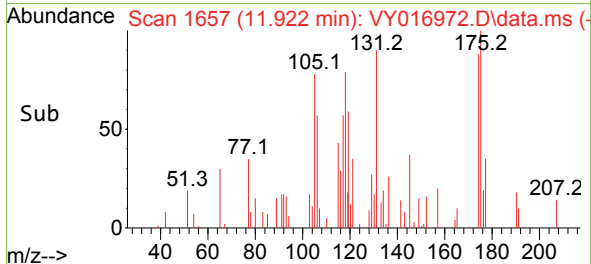
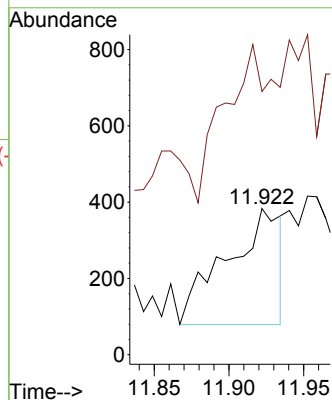
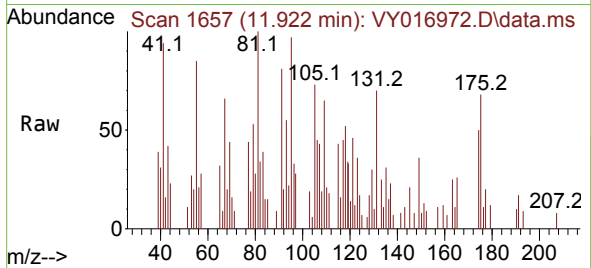




#69
o-Xylene
Concen: 1.479 ug/l
RT: 11.922 min Scan# 1
Delta R.T. -0.116 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

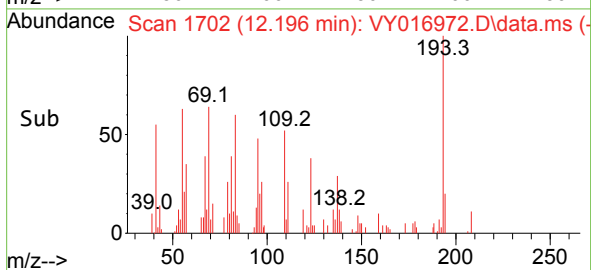
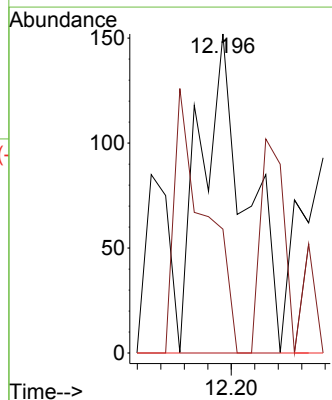
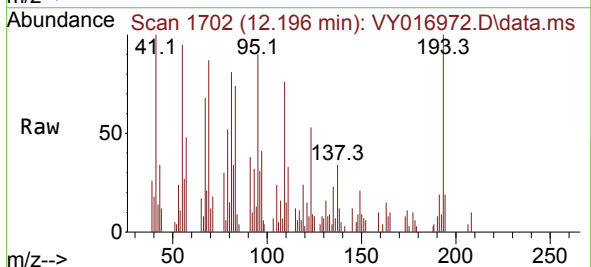
Instrument :
MSVOA_Y
ClientSampleId :

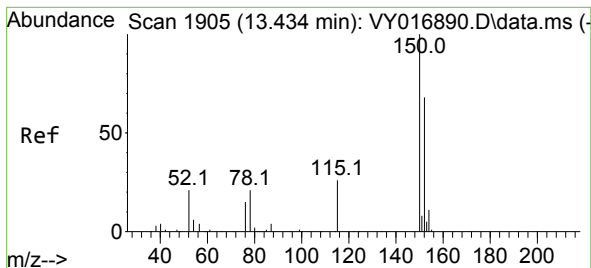
Tgt Ion:106 Resp: 762
Ion Ratio Lower Upper
106 100
91 124.7 106.5 319.5



#71
Bromoform
Concen: 1.336 ug/l
RT: 12.196 min Scan# 1702
Delta R.T. -0.019 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Tgt Ion:173 Resp: 208
Ion Ratio Lower Upper
173 100
175 33.7 23.5 70.6
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

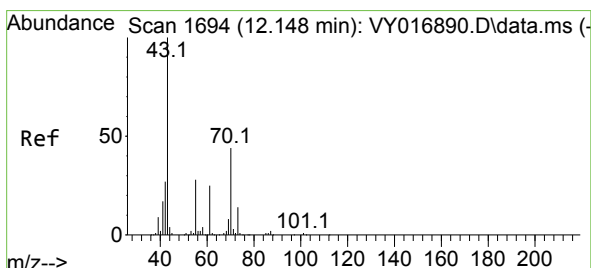
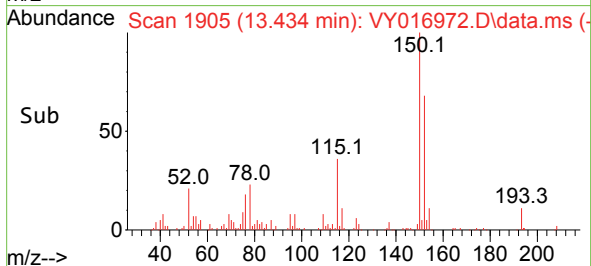
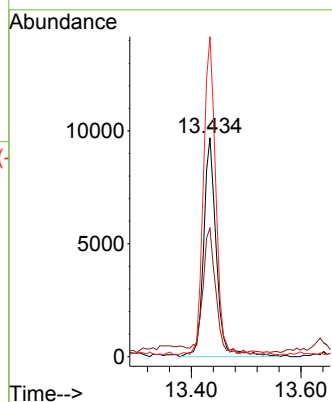
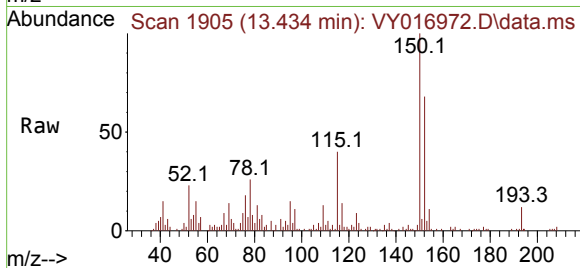
Tgt Ion:152 Resp: 15584

Ion Ratio Lower Upper

152 100

115 55.7 30.0 90.0

150 139.3 0.0 344.6



#74

N-ethyl acetate

Concen: 1.201 ug/l

RT: 12.184 min Scan# 1700

Delta R.T. 0.030 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Tgt Ion: 43 Resp: 307

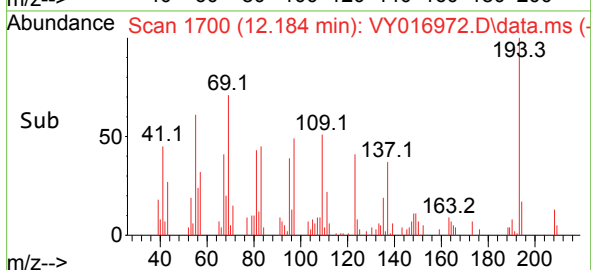
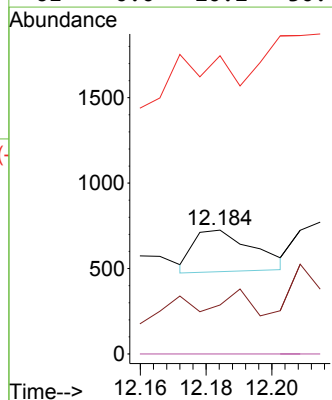
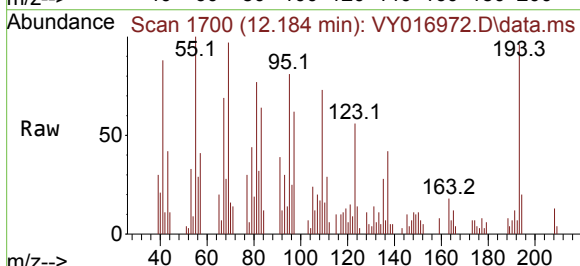
Ion Ratio Lower Upper

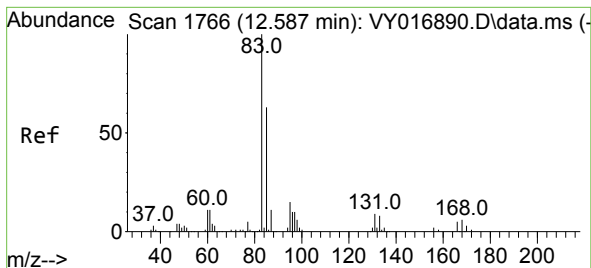
43 100

70 37.8 36.6 55.0

55 337.8 22.2 33.4#

61 0.0 20.2 30.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 7.509 ug/l

RT: 12.550 min Scan# 1

Delta R.T. -0.043 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

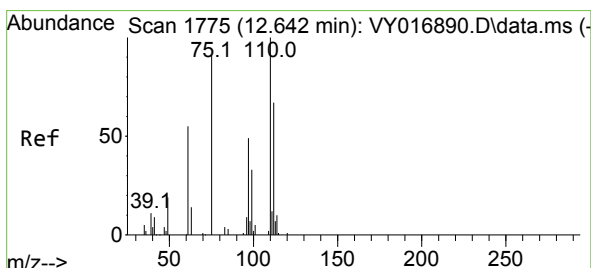
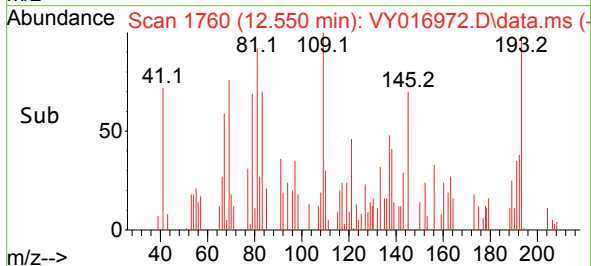
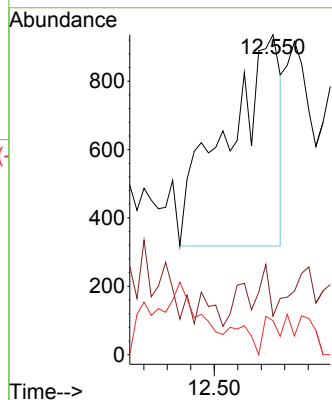
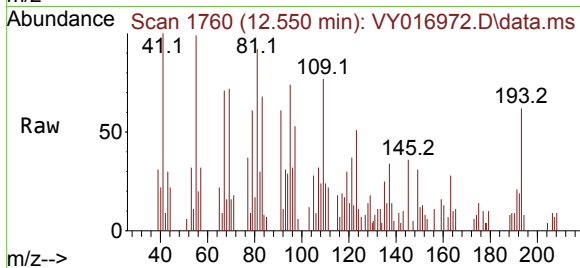
Tgt Ion: 83 Resp: 1947

Ion Ratio Lower Upper

83 100

131 5.9 4.9 14.6

85 5.0 32.6 98.0#



#76

1,2,3-Trichloropropane

Concen: 37.253 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016972.D

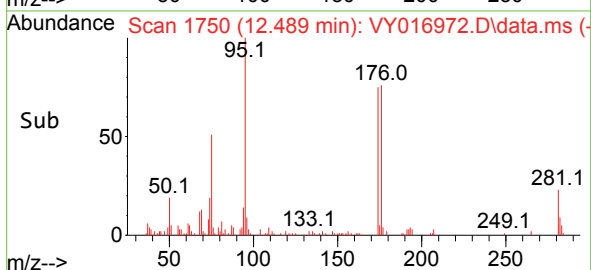
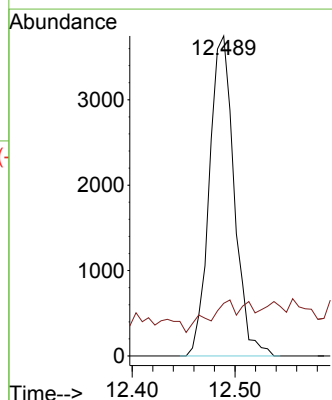
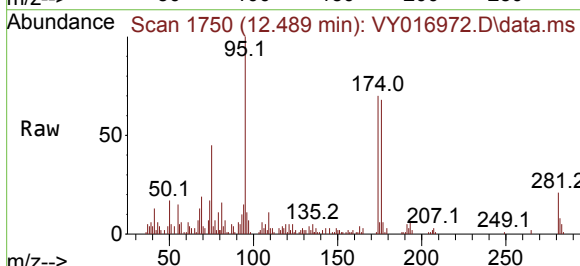
Acq: 10 Jan 2024 14:50

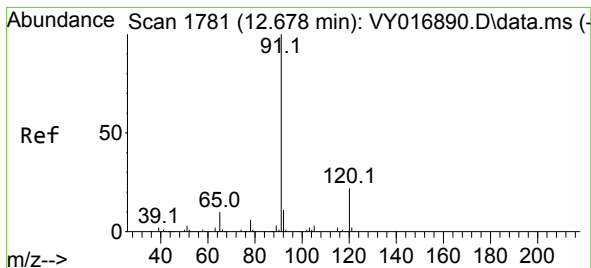
Tgt Ion: 75 Resp: 6300

Ion Ratio Lower Upper

75 100

77 10.4 0.0 0.0#





#78

n-propylbenzene

Concen: 1.233 ug/l

RT: 12.672 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

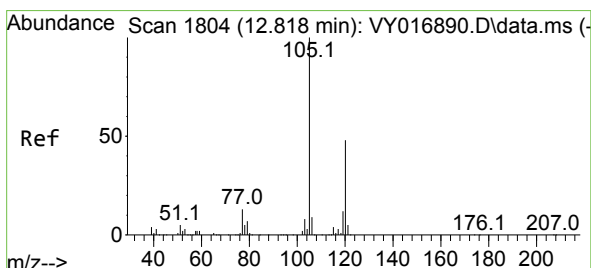
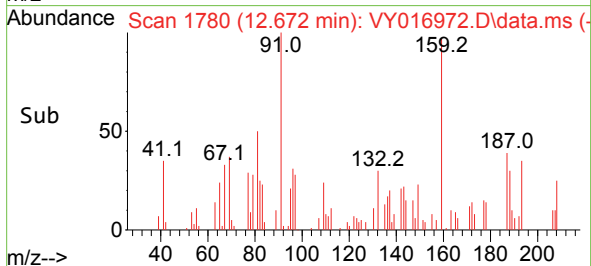
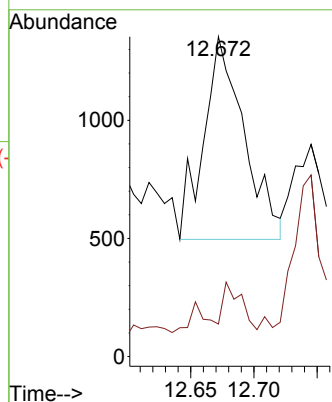
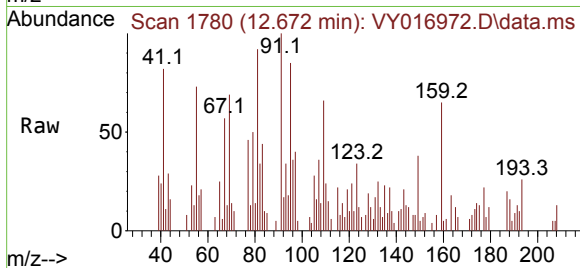
ClientSampleId :

Tgt Ion: 91 Resp: 1907

Ion Ratio Lower Upper

91 100

120 11.5 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 3.246 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VY016972.D

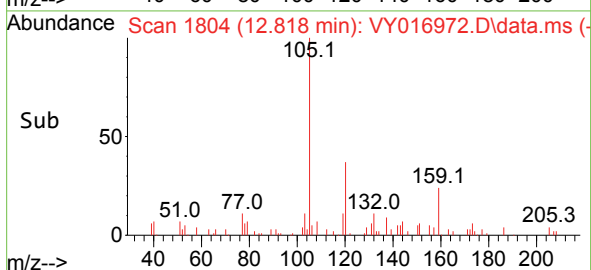
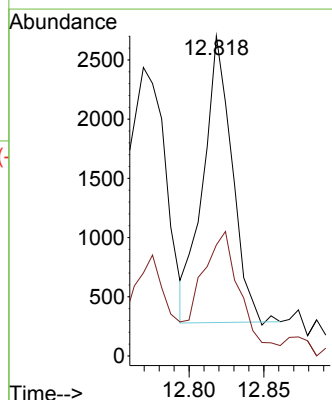
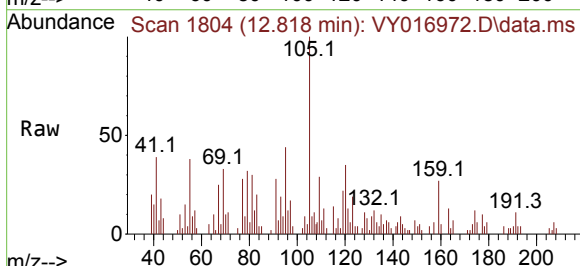
Acq: 10 Jan 2024 14:50

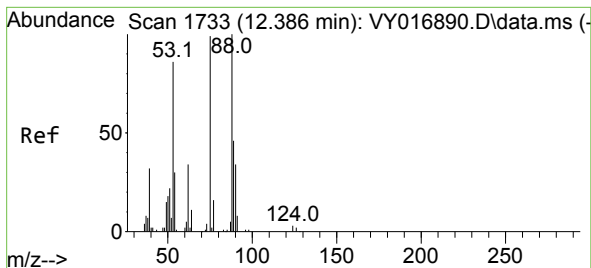
Tgt Ion:105 Resp: 3267

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.8

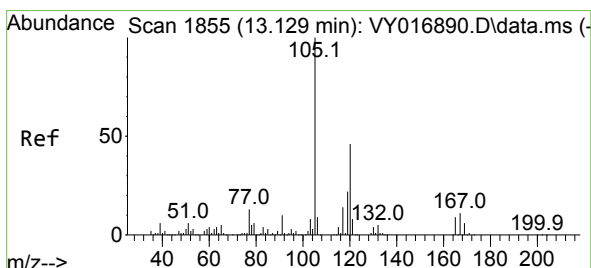
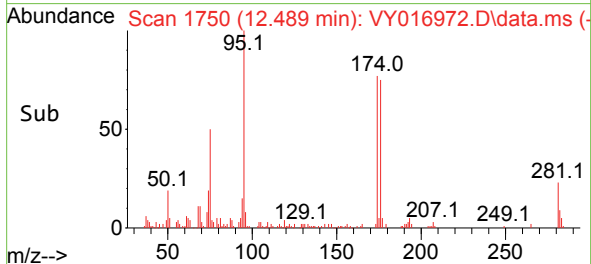
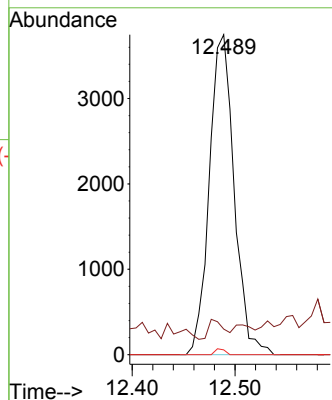
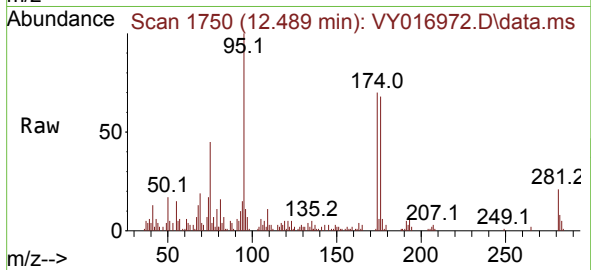




#81
trans-1,4-Dichloro-2-butene
Concen: 84.592 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

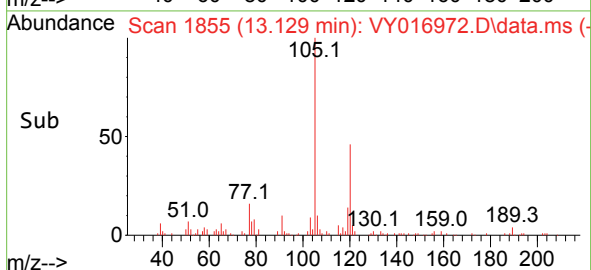
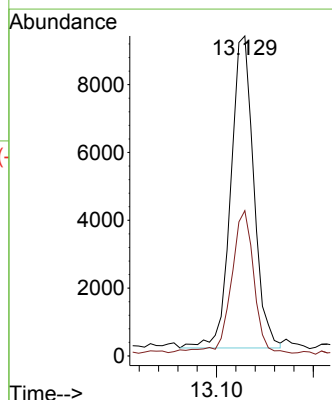
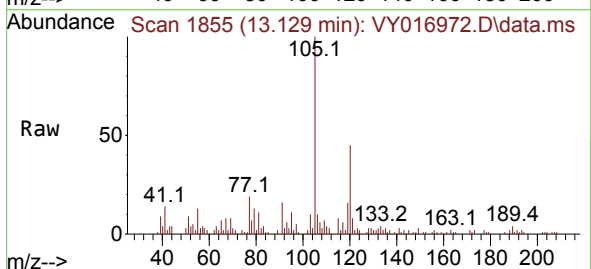
Instrument :
MSVOA_Y
ClientSampleId :

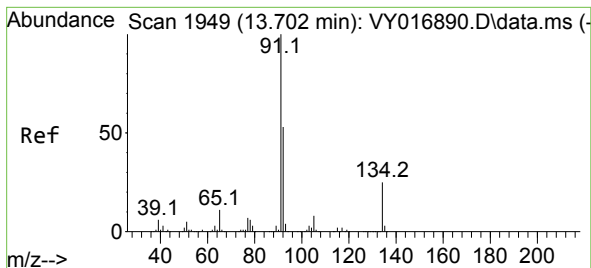
Tgt Ion: 75 Resp: 6300
Ion Ratio Lower Upper
75 100
53 3.8 74.0 111.0#
89 0.7 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 15.289 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

Tgt Ion: 105 Resp: 15154
Ion Ratio Lower Upper
105 100
120 46.2 22.1 66.3





#89

n-Butylbenzene

Concen: 1.386 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY016972.D

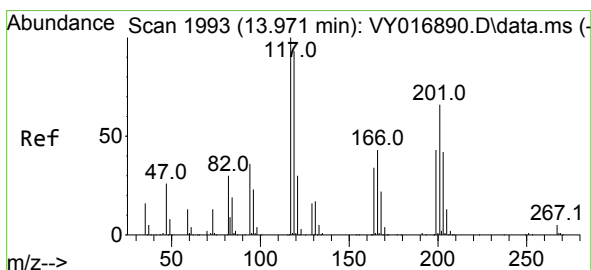
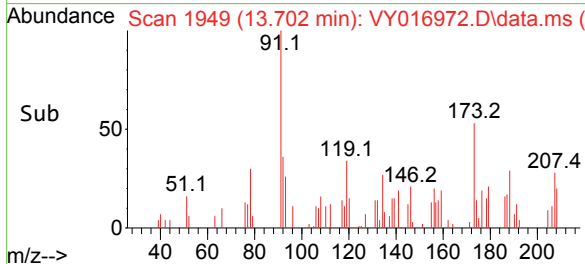
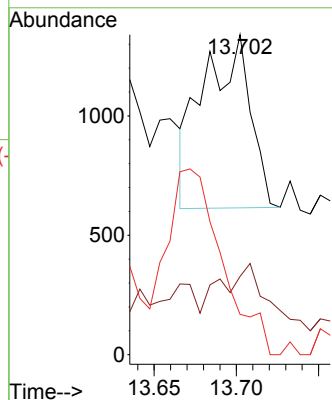
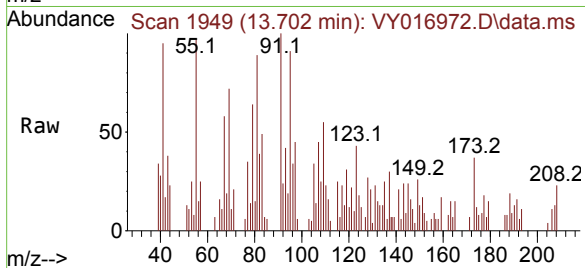
Acq: 10 Jan 2024 14:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp: 1445
Ion Ratio	Lower Upper
91	100
92	38.6 26.4 79.2
134	0.0 12.3 36.8#



#90

Hexachloroethane

Concen: 3.696 ug/l

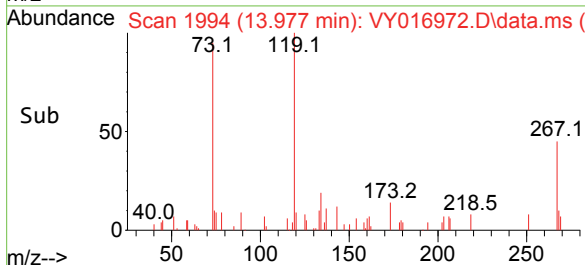
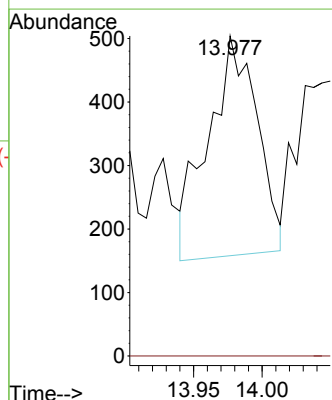
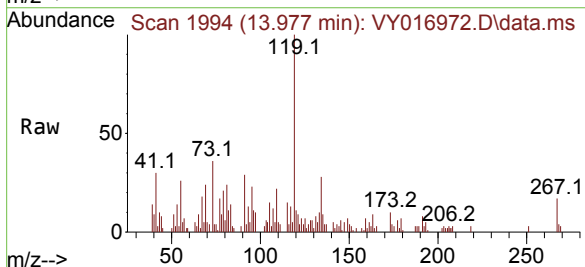
RT: 13.977 min Scan# 1994

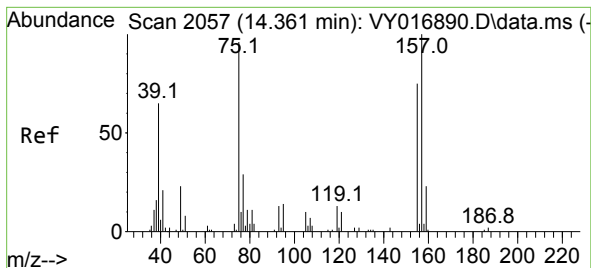
Delta R.T. 0.006 min

Lab File: VY016972.D

Acq: 10 Jan 2024 14:50

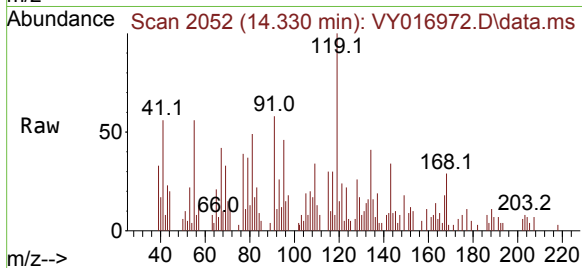
Tgt Ion: 117	Resp: 861
Ion Ratio	Lower Upper
117	100
201	0.0 33.4 100.1#



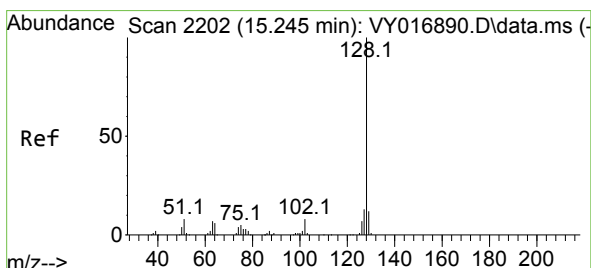
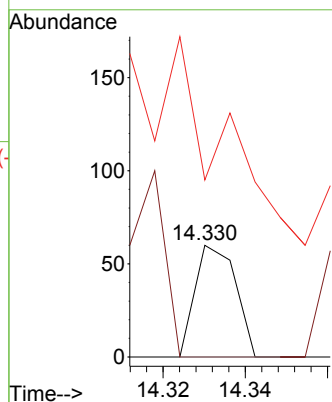
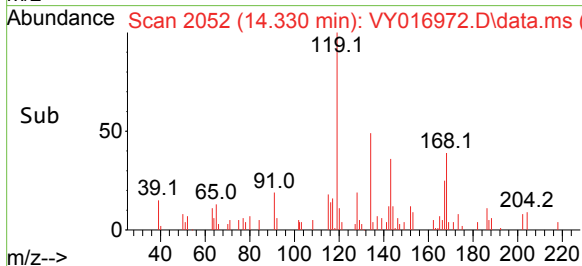


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.261 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.037 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50

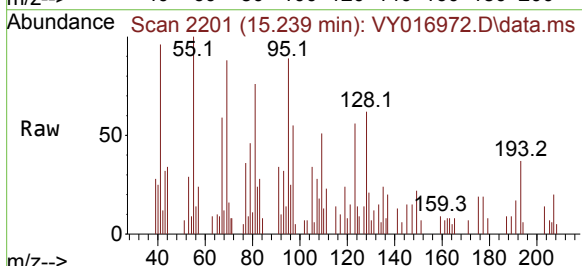
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
155 143.9 42.1 126.3#
157 0.0 55.8 167.4#



#95
Naphthalene
Concen: 3.769 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY016972.D
Acq: 10 Jan 2024 14:50



Tgt Ion: 128 Resp: 1263
Ion Ratio Lower Upper
128 100
127 20.9 10.2 15.4#
129 0.0 8.6 12.8#

