

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012239.D
 Acq On : 18 Jan 2023 12:24
 Operator : KP/MD
 Sample : 01184-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APNB-BOT-1

Quant Time: Jan 19 00:34:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

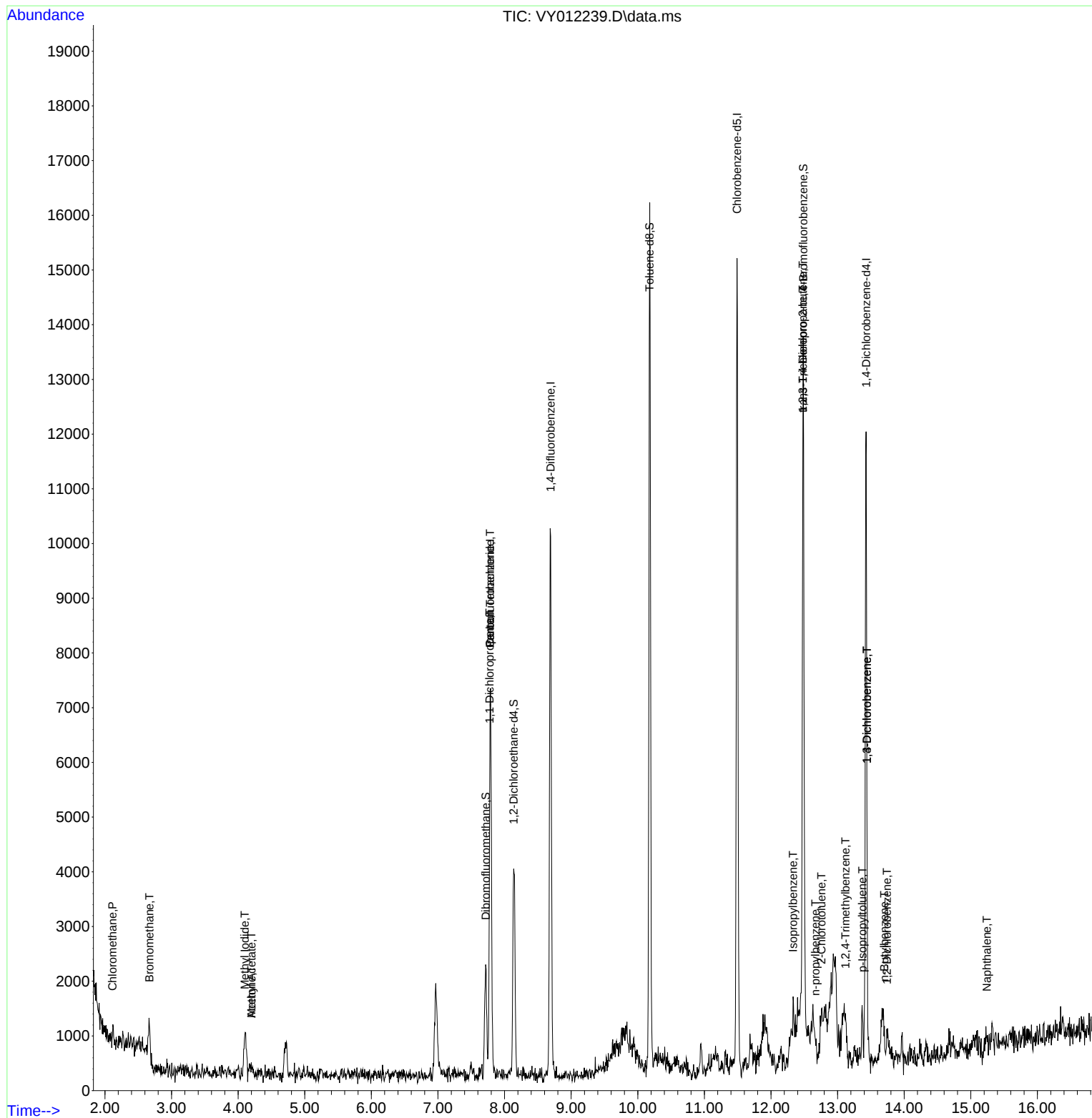
Internal Standards						
1) Pentafluorobenzene	7.783	168	5997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	9599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3818	79.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.200%	
35) Dibromofluoromethane	7.716	113	1708	33.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 67.200%	
50) Toluene-d8	10.179	98	11346	65.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.600%	
62) 4-Bromofluorobenzene	12.483	95	3668	51.193	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.380%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	214	4.423	ug/l #	41
5) Bromomethane	2.668	94	471	10.788	ug/l #	79
10) Methyl Iodide	4.101	142	1282	15.727	ug/l #	94
16) Acetone	4.198	43	44	2.635	ug/l #	40
18) Methyl Acetate	4.198	43	44	1.178	ug/l #	50
20) Methylene Chloride	4.716	84	470	Below Cal	#	73
36) 1,1-Dichloropropene	7.777	75	304	3.519	ug/l #	41
38) Carbon Tetrachloride	7.783	117	623	5.584	ug/l #	14
73) Isopropylbenzene	12.331	105	310	1.213	ug/l #	49
76) 1,2,3-Trichloropropane	12.477	75	1719	52.764	ug/l #	100
78) n-propylbenzene	12.666	91	440	1.472	ug/l #	52
79) 2-Chlorotoluene	12.758	91	175	1.035	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.477	75	1719	108.717	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	303	1.383	ug/l #	31
86) p-Isopropyltoluene	13.373	119	250	1.038	ug/l #	58
87) 1,3-Dichlorobenzene	13.440	146	191	1.562	ug/l	73
88) 1,4-Dichlorobenzene	13.440	146	191	1.566	ug/l	73
89) n-Butylbenzene	13.703	91	404	1.936	ug/l #	33
91) 1,2-Dichlorobenzene	13.739	146	113	1.036	ug/l	82
95) Naphthalene	15.239	128	268	1.942	ug/l #	69

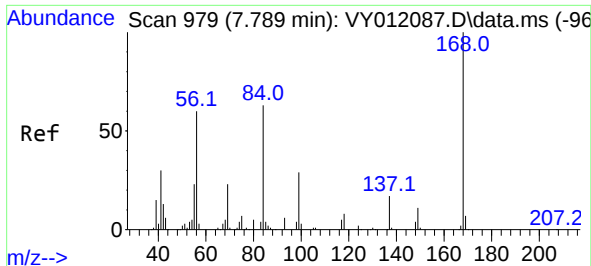
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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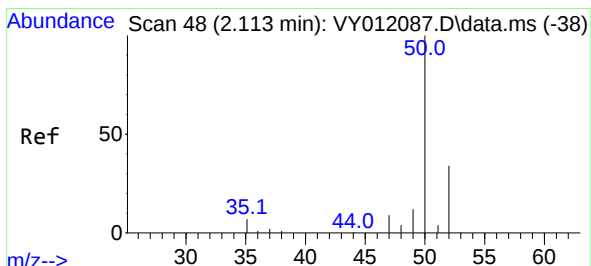
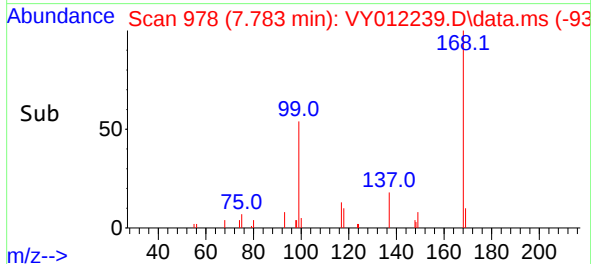
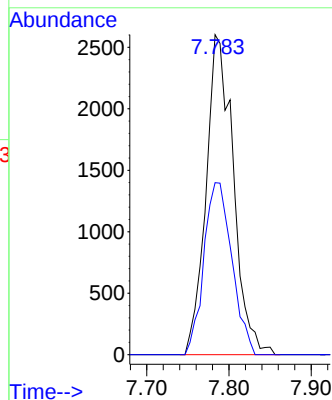
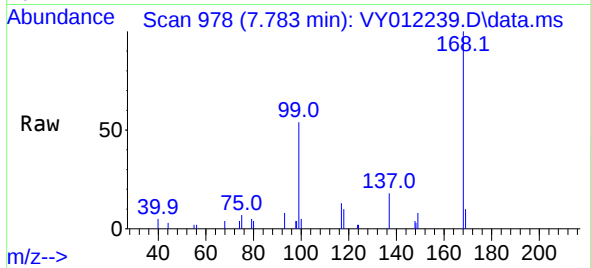




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

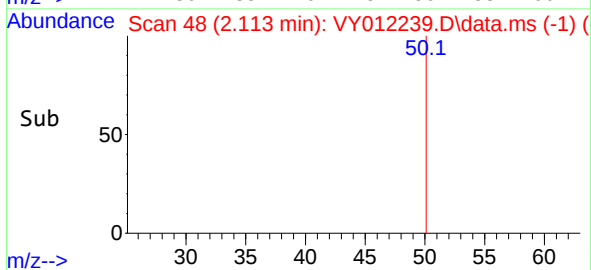
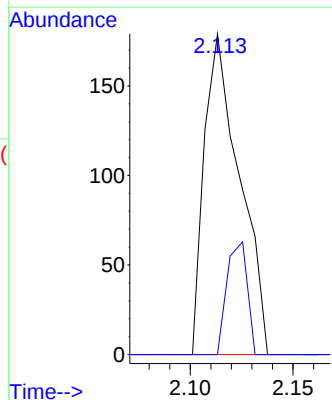
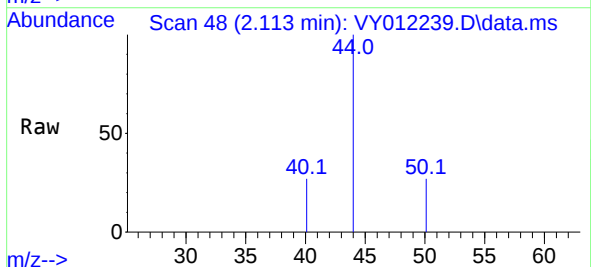
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

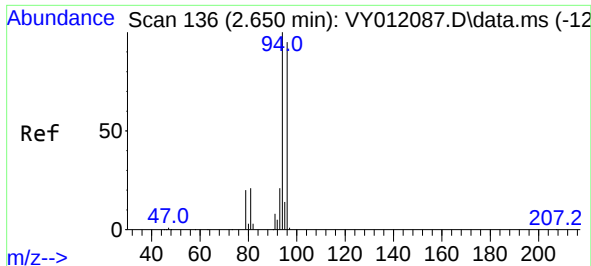
Tgt Ion:168 Resp: 5997
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#3
Chloromethane
Concen: 4.423 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 50 Resp: 214
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

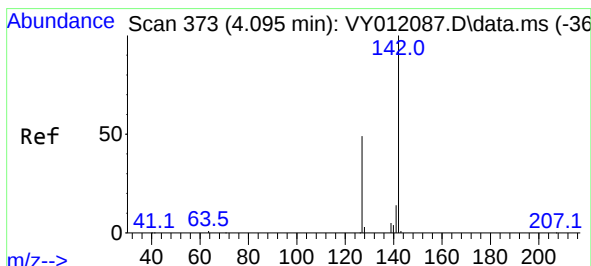
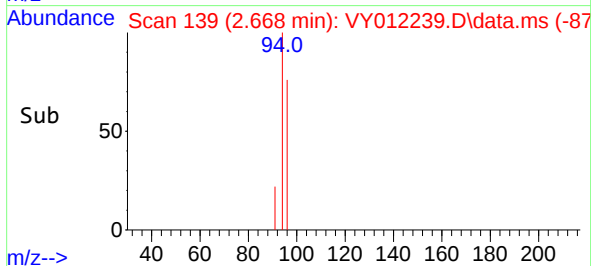
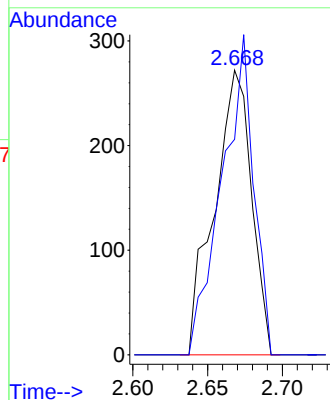
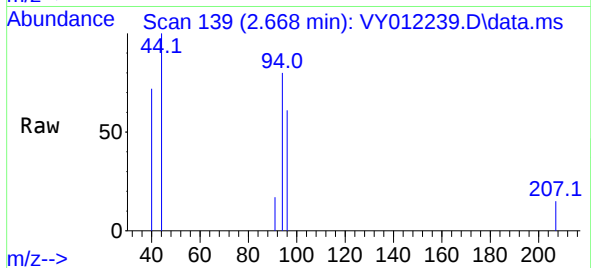




#5
Bromomethane
Concen: 10.788 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

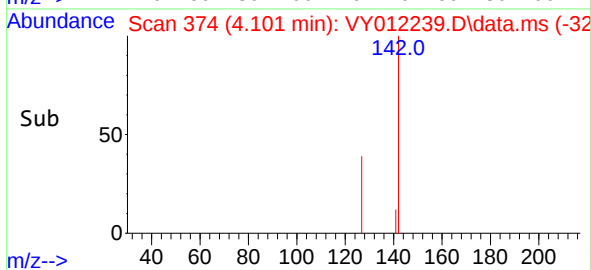
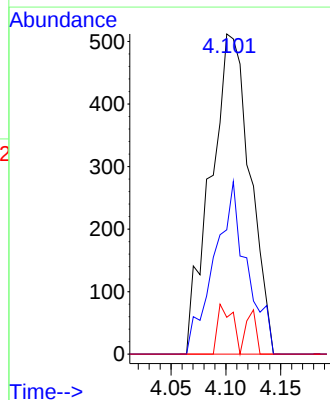
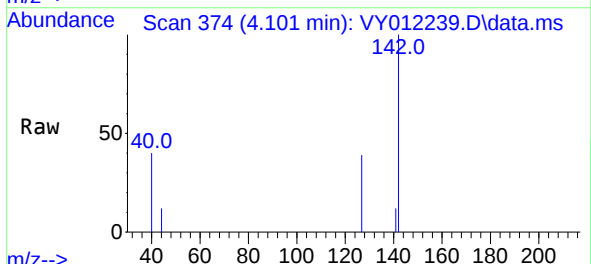
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

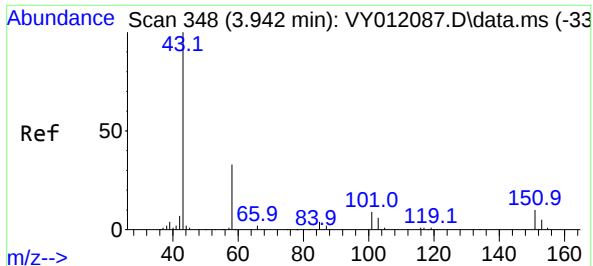
Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 75.7 77.4 116.2#



#10
Methyl Iodide
Concen: 15.727 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 142 Resp: 1282
Ion Ratio Lower Upper
142 100
127 44.8 37.0 55.4
141 5.9 11.4 17.0#

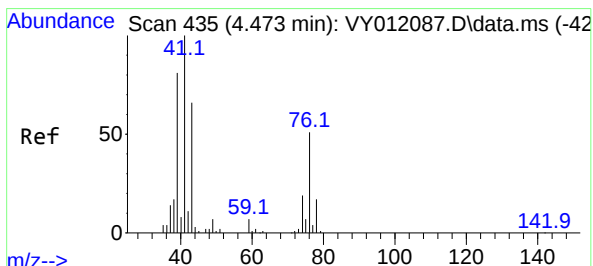
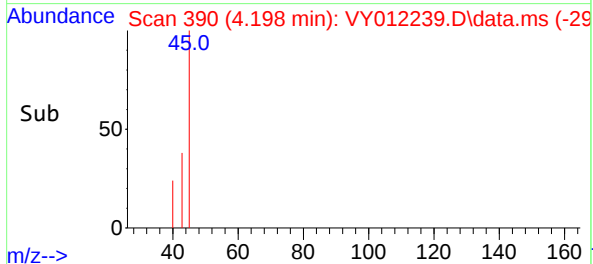
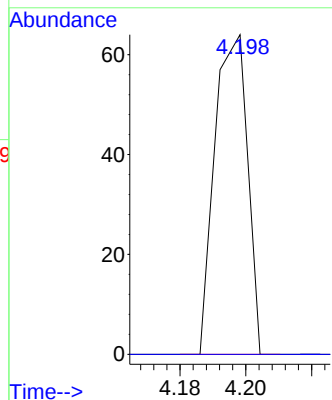
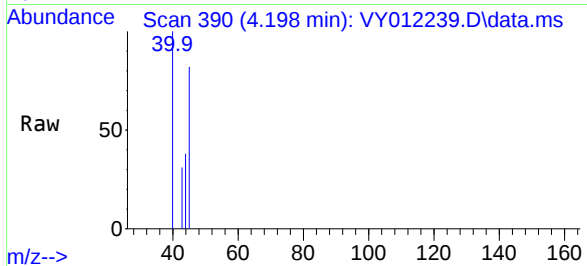




#16
Acetone
Concen: 2.635 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.256 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

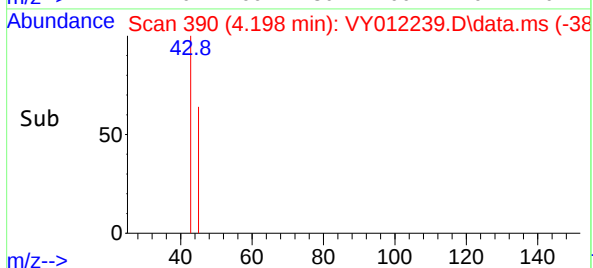
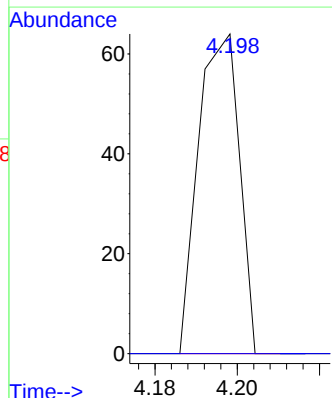
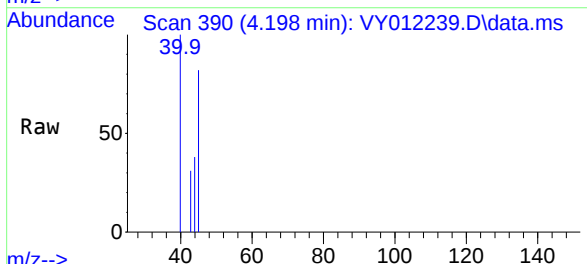
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

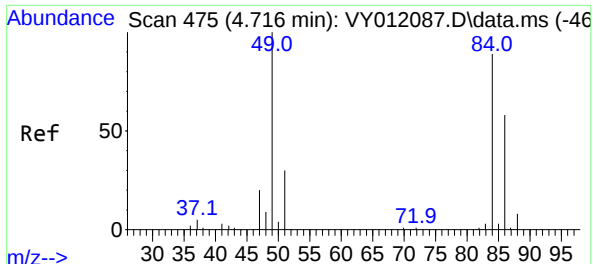
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.275 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



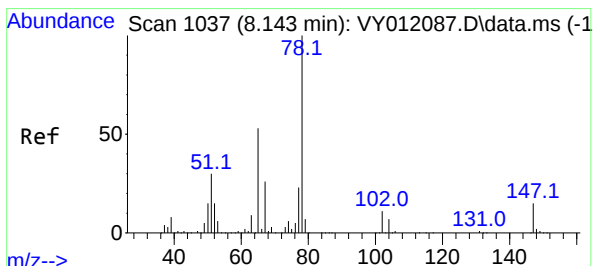
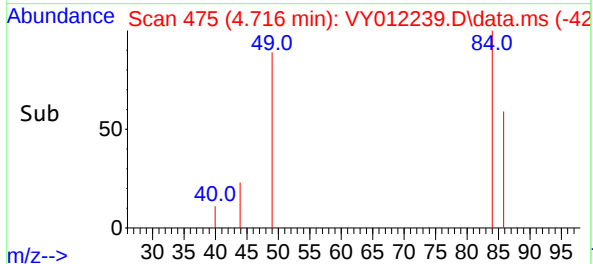
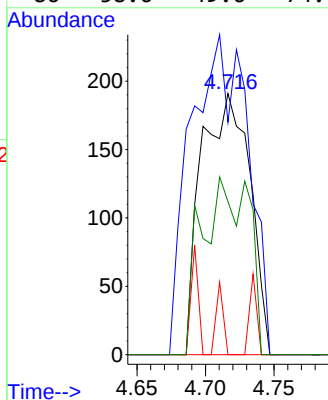
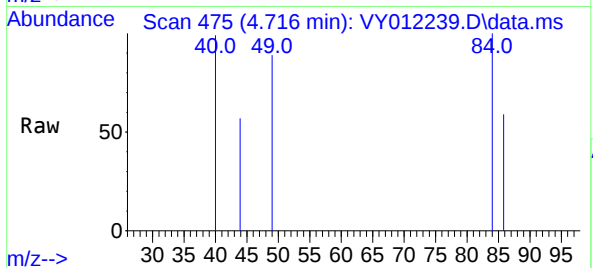


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

Tgt Ion: 84 Resp: 470

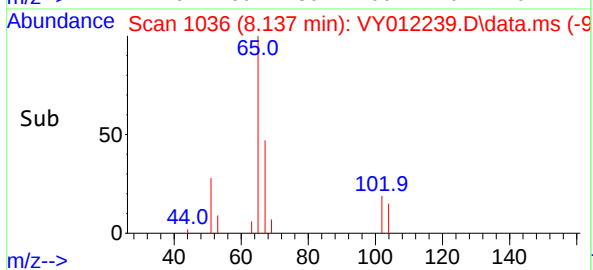
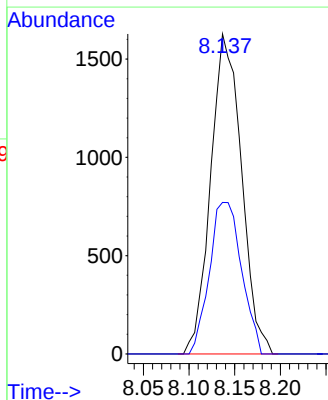
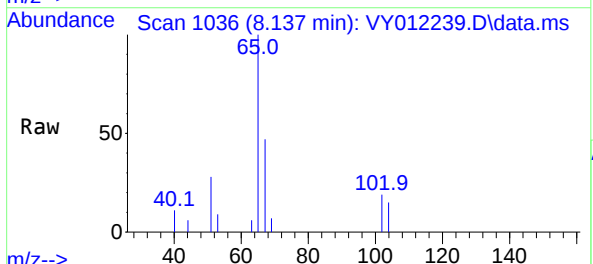
Ion	Ratio	Lower	Upper
84	100		
49	89.0	95.4	143.2#
51	0.0	29.9	44.9#
86	58.6	49.6	74.4

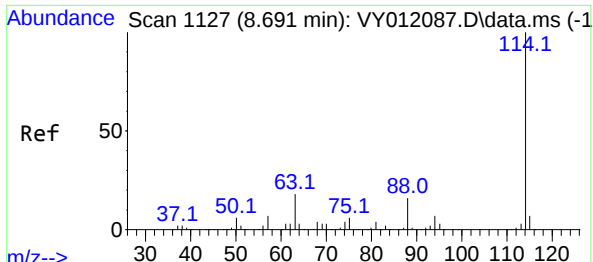


#33
1,2-Dichloroethane-d4
Concen: 79.096 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 65 Resp: 3818

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	103.2

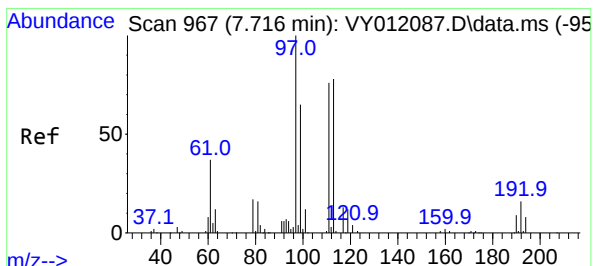
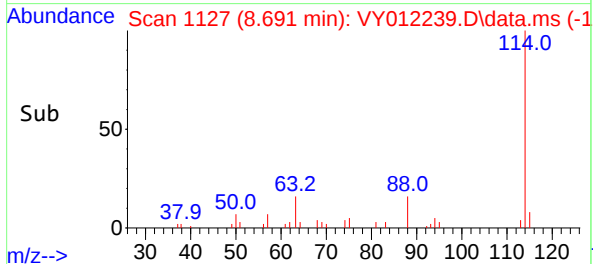
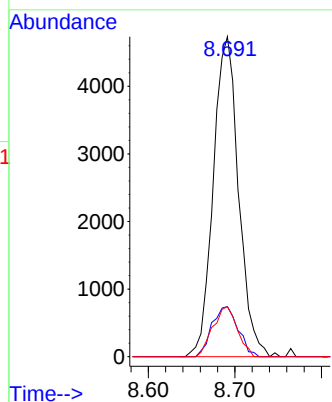
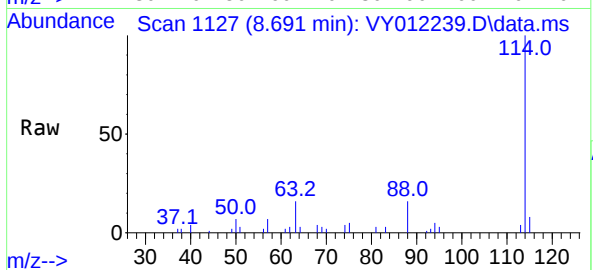




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

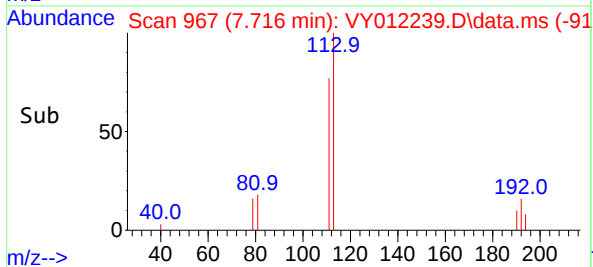
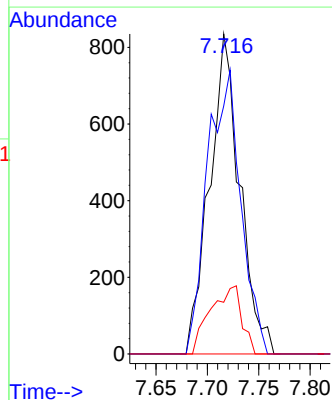
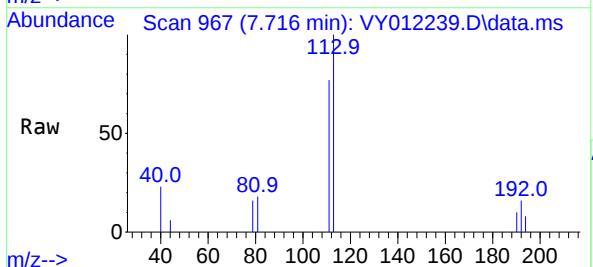
Instrument :
MSVOA_Y
ClientSampleId :
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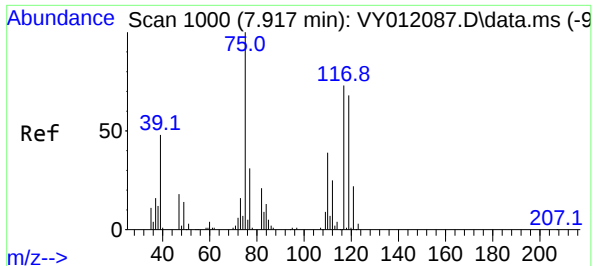
Tgt Ion:114	Resp:	9599
Ion	Ratio	Lower Upper
114	100	
63	15.7	0.0 39.6
88	15.7	0.0 32.2



#35
Dibromofluoromethane
Concen: 33.604 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion:113	Resp:	1708
Ion	Ratio	Lower Upper
113	100	
111	98.1	83.0 124.4
192	22.0	16.0 24.0





#36

1,1-Dichloropropene

Concen: 3.519 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY012239.D

Acq: 18 Jan 2023 12:24

Instrument :

MSVOA_Y

ClientSampleId :

APNB-BOT-1

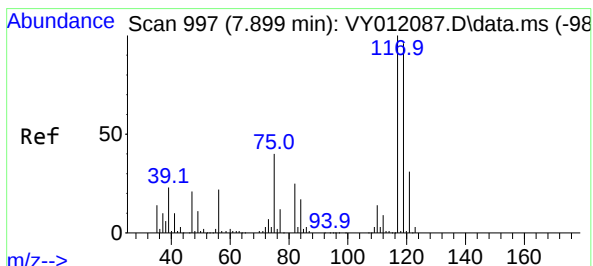
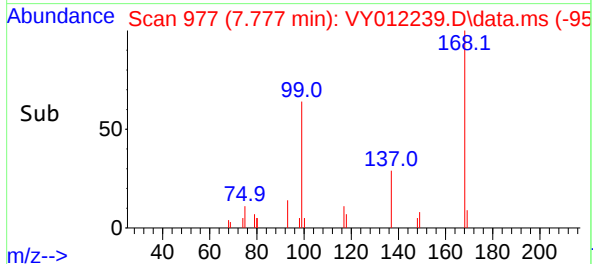
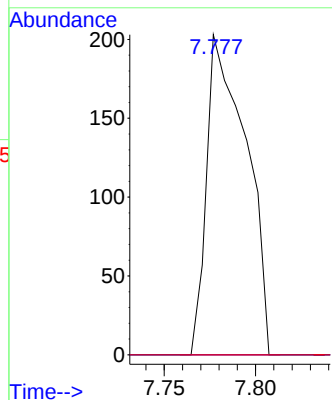
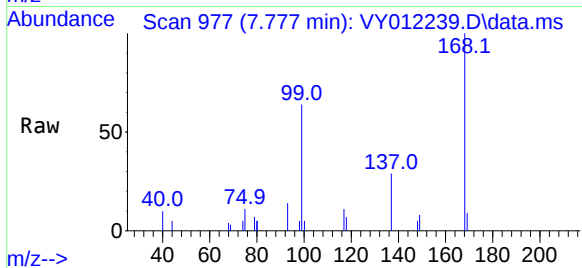
Tgt Ion: 75 Resp: 304

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.584 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012239.D

Acq: 18 Jan 2023 12:24

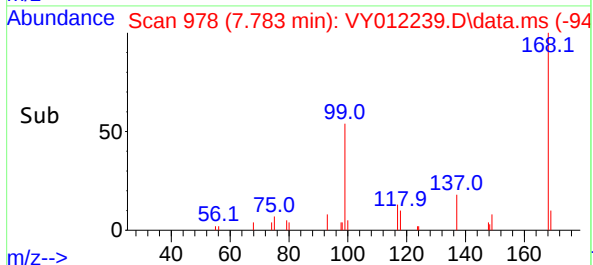
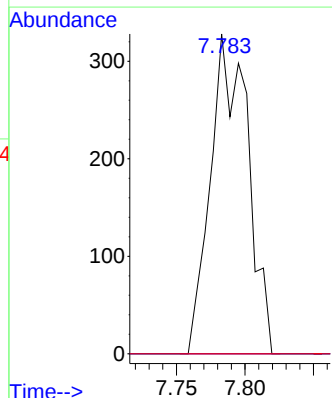
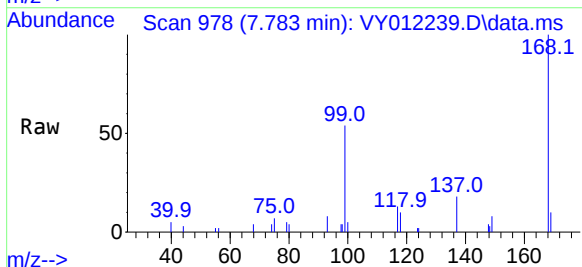
Tgt Ion: 117 Resp: 623

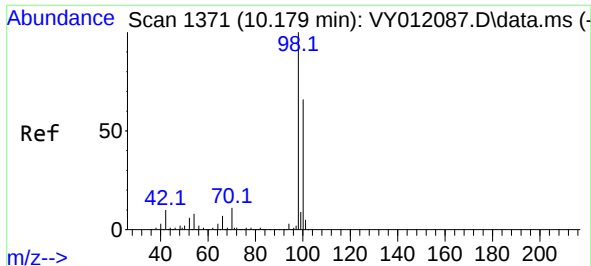
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

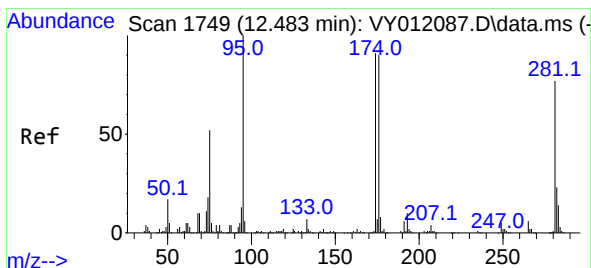
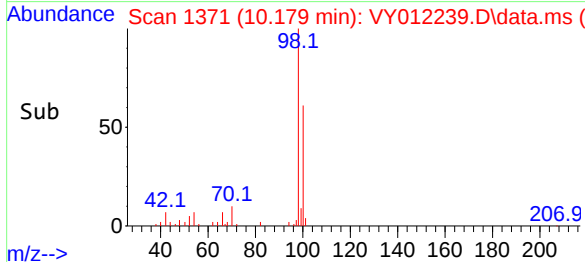
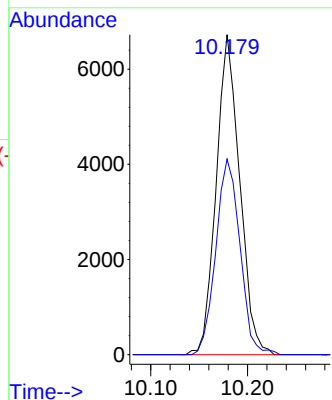
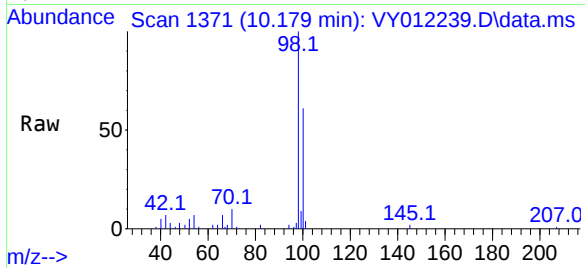




#50
Toluene-d8
Concen: 65.796 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

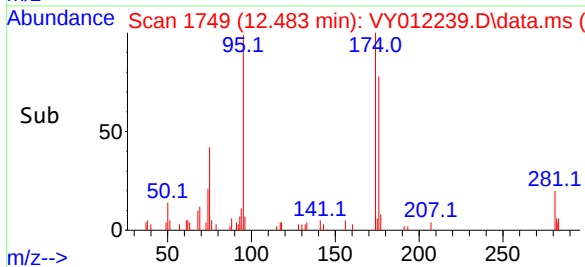
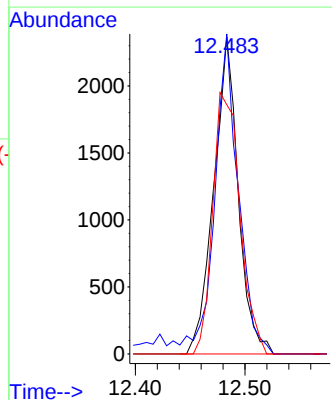
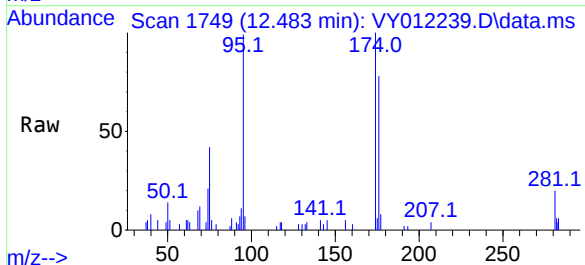
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

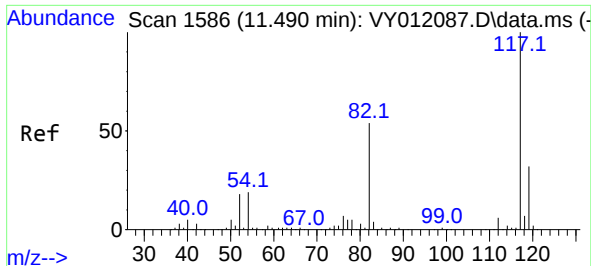
Tgt Ion: 98 Resp: 11346
Ion Ratio Lower Upper
98 100
100 62.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.193 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 95 Resp: 3668
Ion Ratio Lower Upper
95 100
174 96.8 0.0 172.0
176 91.5 0.0 167.6

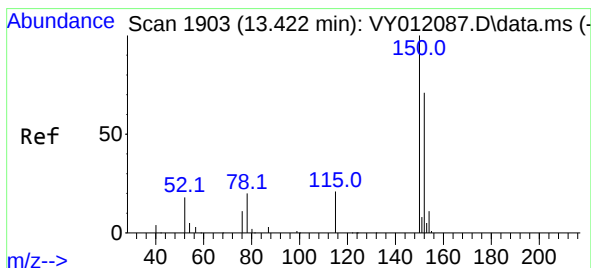
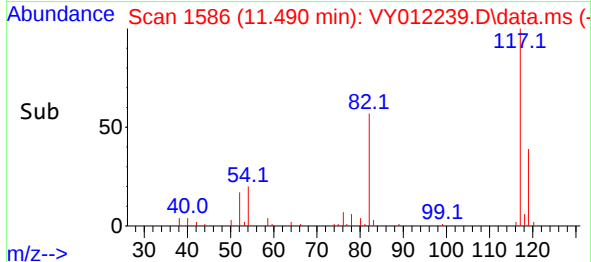
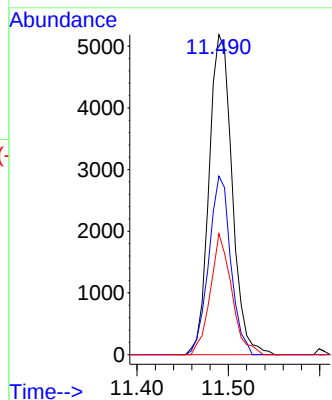
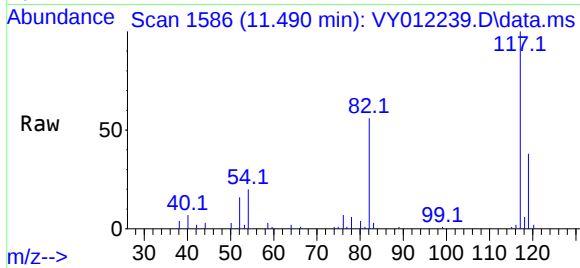




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

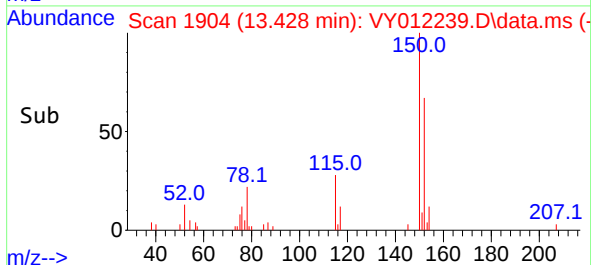
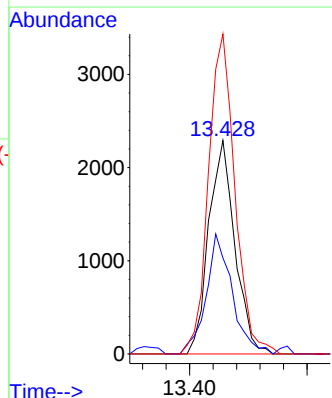
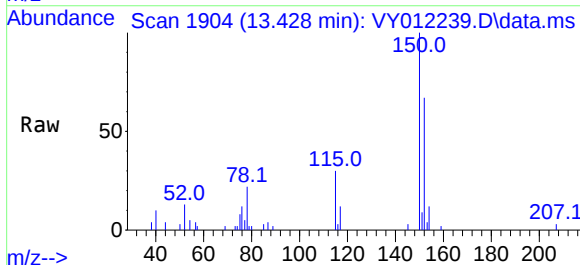
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

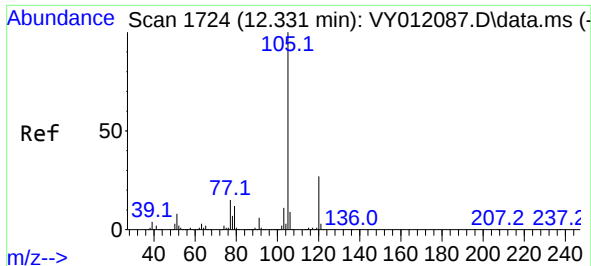
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.8	67.2
119	37.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	29.1	87.3
150	151.6	0.0	342.6

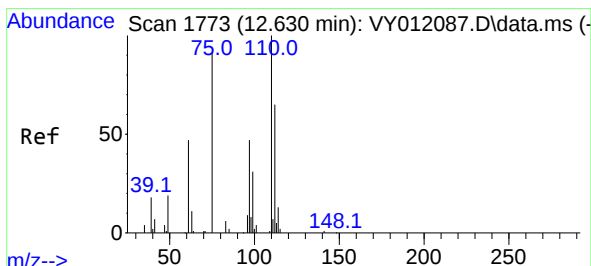
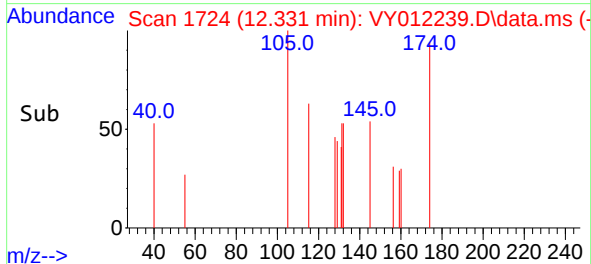
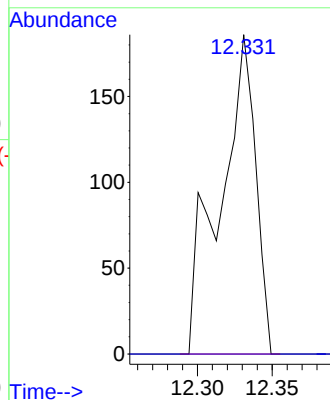
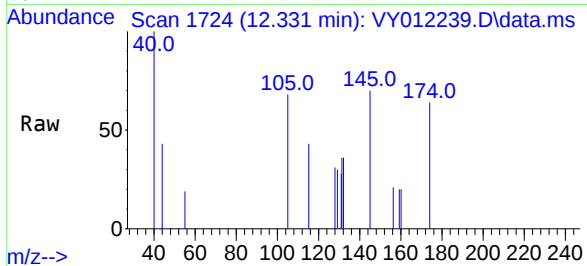




#73
Isopropylbenzene
Concen: 1.213 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

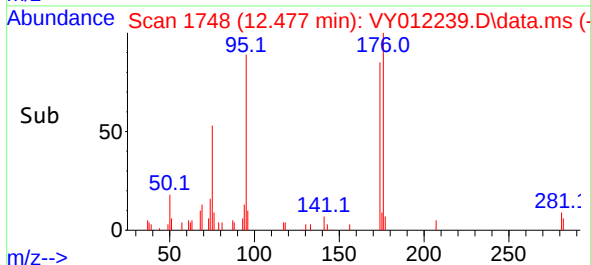
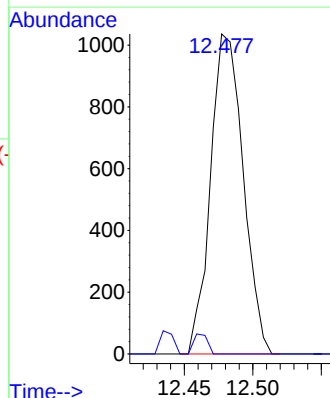
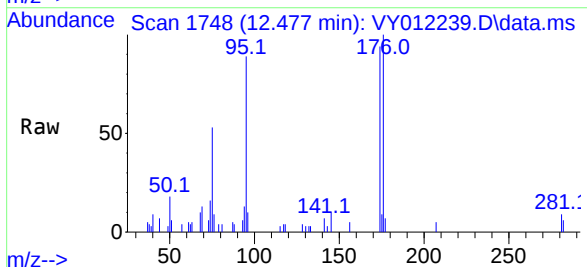
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

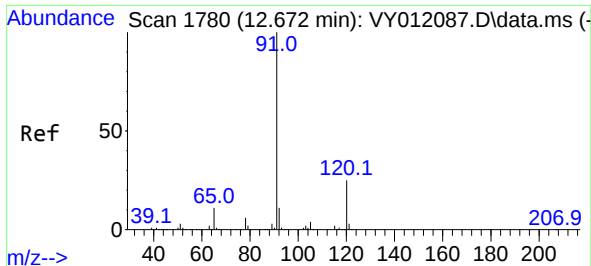
Tgt Ion:105 Resp: 310
Ion Ratio Lower Upper
105 100
120 0.0 13.2 39.6#



#76
1,2,3-Trichloropropane
Concen: 52.764 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 75 Resp: 1719
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#

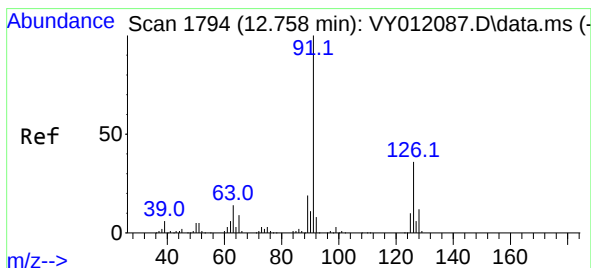
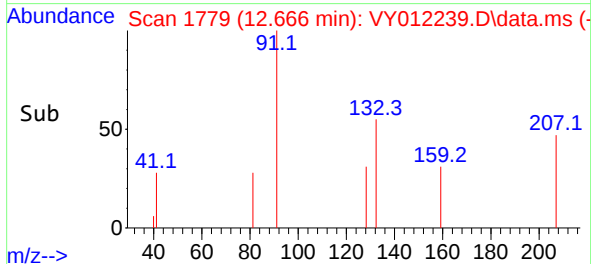
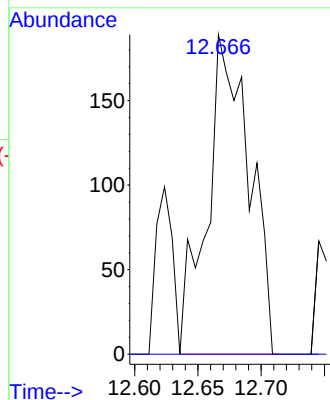
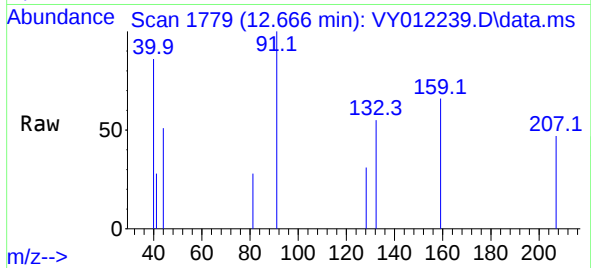




#78
n-propylbenzene
Concen: 1.472 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

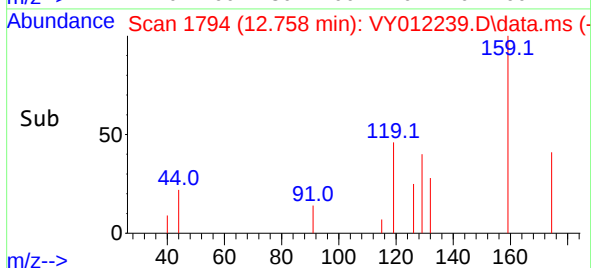
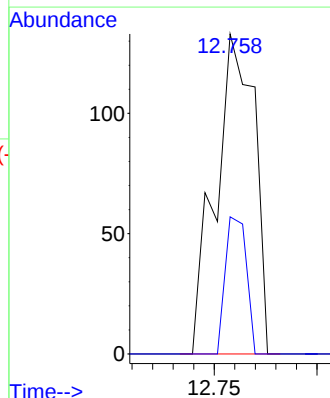
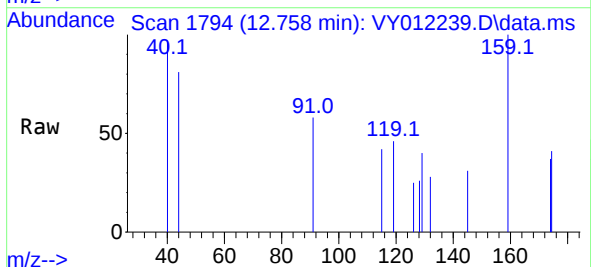
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

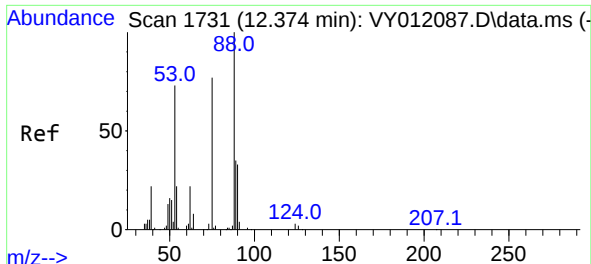
Tgt Ion: 91 Resp: 440
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.4#



#79
2-Chlorotoluene
Concen: 1.035 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 91 Resp: 175
Ion Ratio Lower Upper
91 100
126 23.4 17.2 51.5

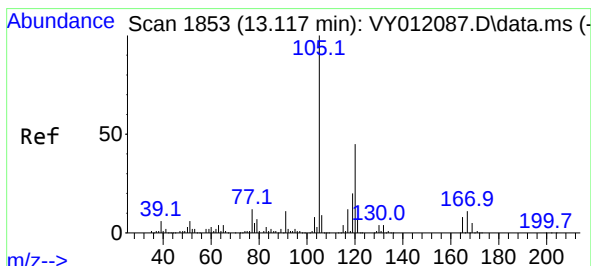
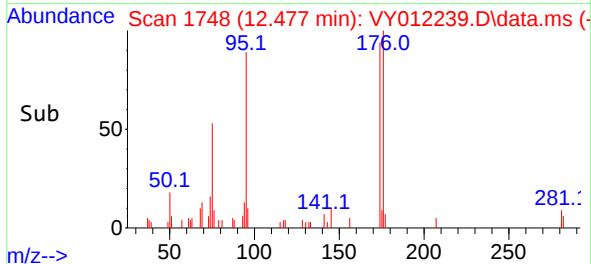
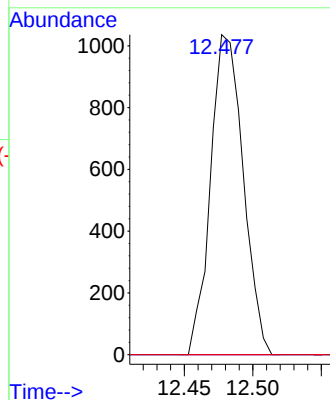
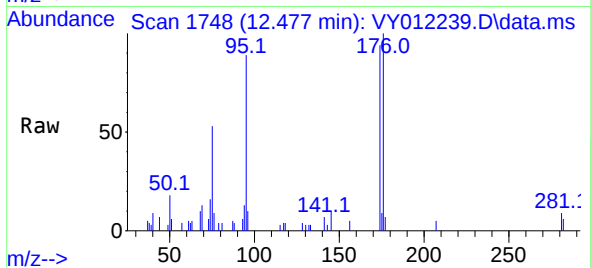




#81
trans-1,4-Dichloro-2-butene
Concen: 108.717 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.103 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

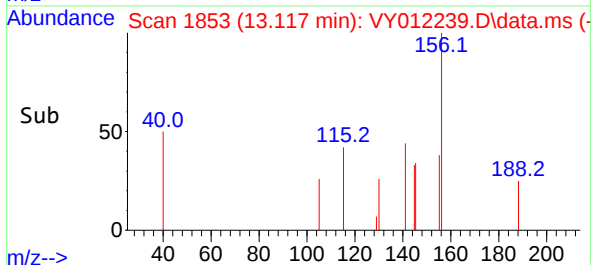
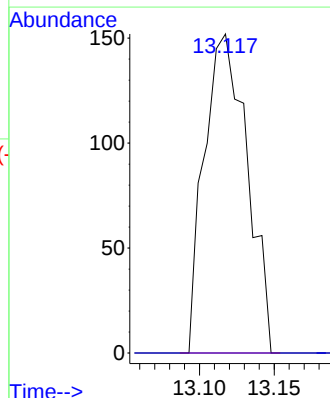
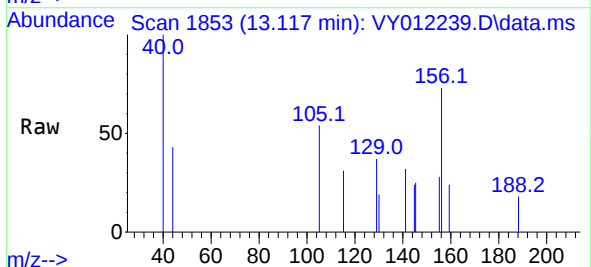
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

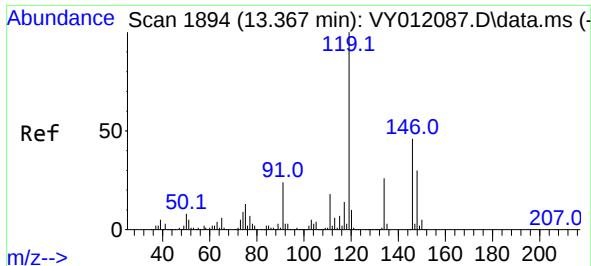
Tgt Ion: 75 Resp: 1719
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.383 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion: 105 Resp: 303
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

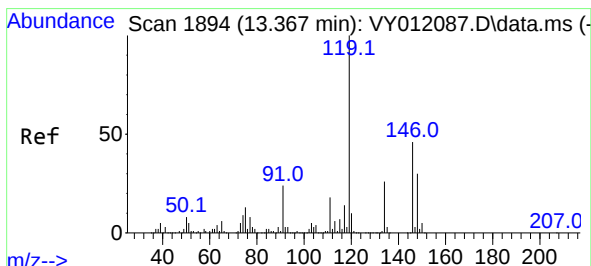
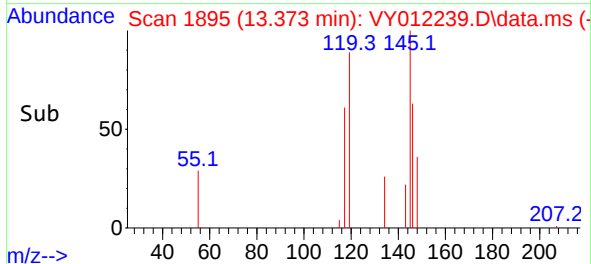
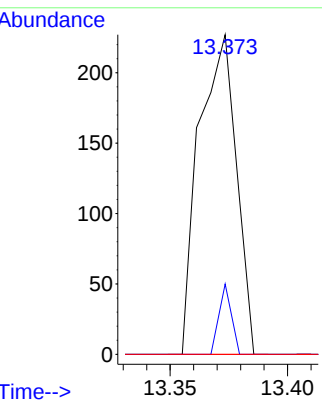
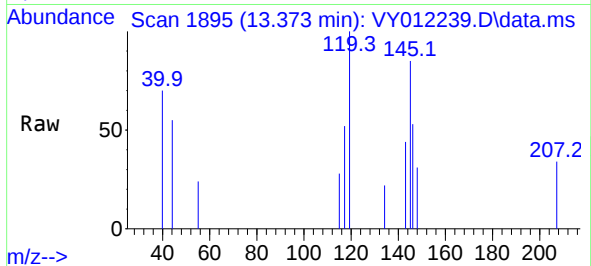




#86
p-Isopropyltoluene
Concen: 1.038 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

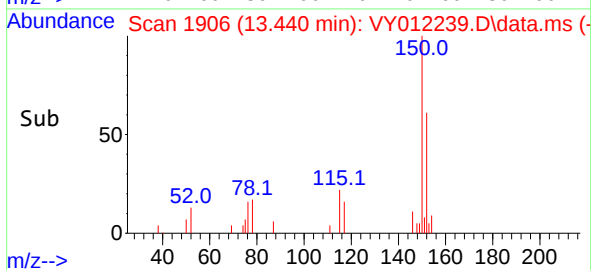
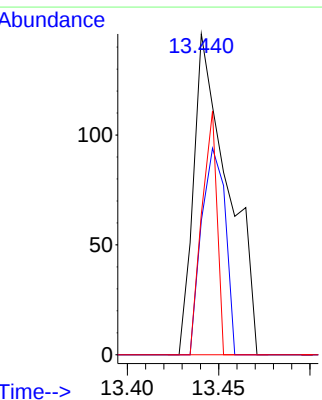
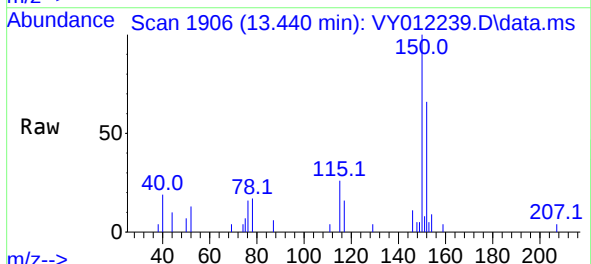
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

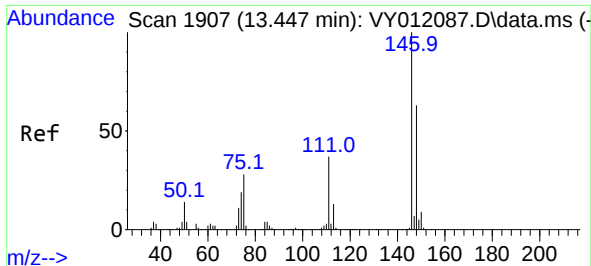
Tgt Ion:	119	Resp:	250
Ion	Ratio	Lower	Upper
119	100		
134	7.2	13.0	39.0#
91	0.0	11.9	35.9#



#87
1,3-Dichlorobenzene
Concen: 1.562 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.073 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion:	146	Resp:	191
Ion	Ratio	Lower	Upper
146	100		
111	44.5	19.7	59.0
148	33.5	32.0	96.0

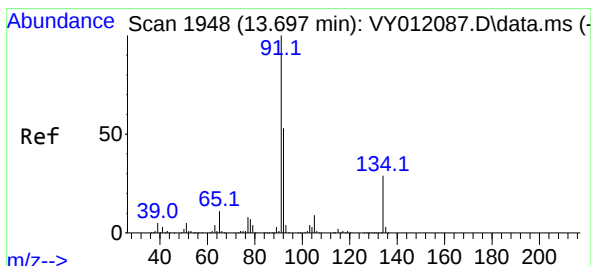
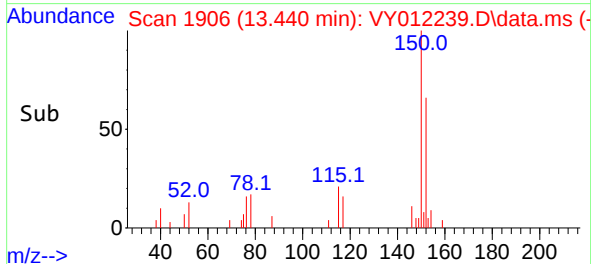
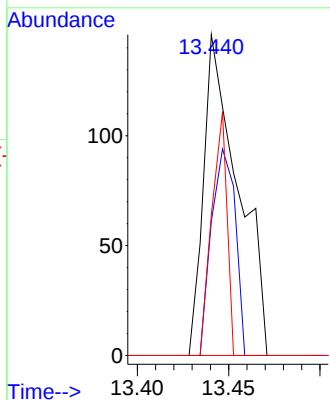
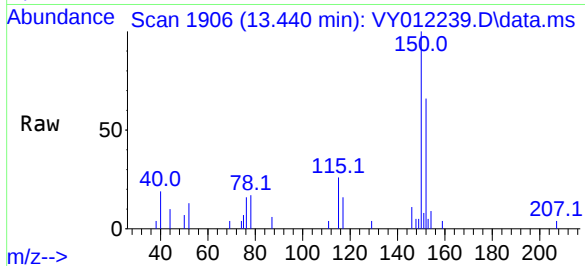




#88
1,4-Dichlorobenzene
Concen: 1.566 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

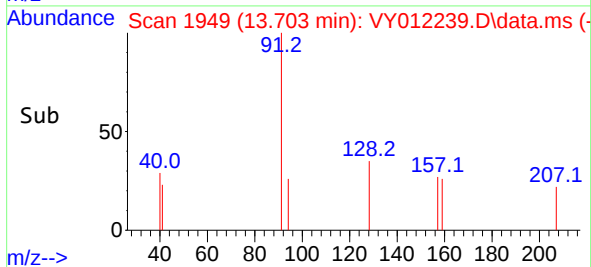
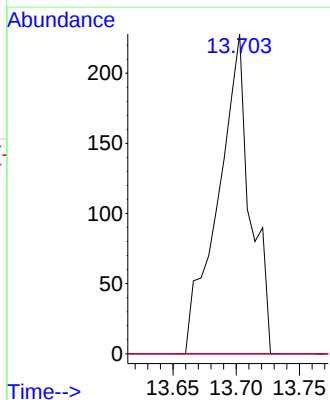
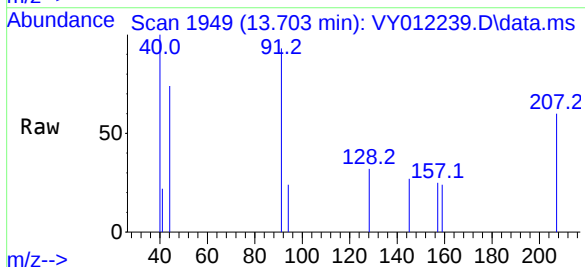
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1

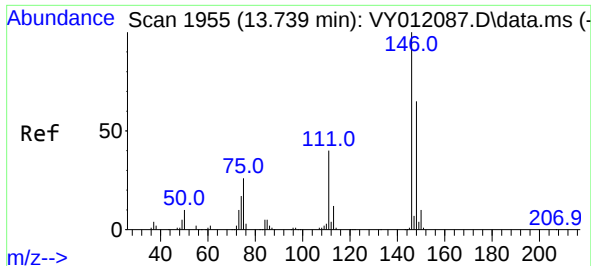
Tgt Ion:	146	Resp:	191
Ion	Ratio	Lower	Upper
146	100		
111	44.5	19.6	58.7
148	33.5	31.9	95.7



#89
n-Butylbenzene
Concen: 1.936 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY012239.D
Acq: 18 Jan 2023 12:24

Tgt Ion:	91	Resp:	404
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.4#
134	0.0	13.3	39.8#





#91

1,2-Dichlorobenzene

Concen: 1.036 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY012239.D

Acq: 18 Jan 2023 12:24

Instrument :

MSVOA_Y

ClientSampleId :

APNB-BOT-1

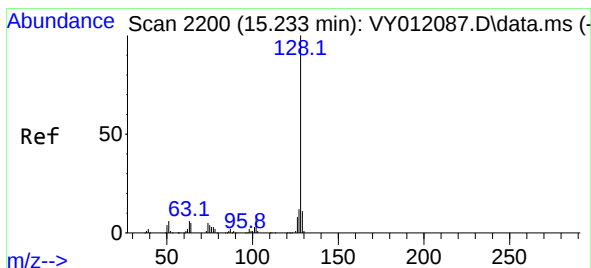
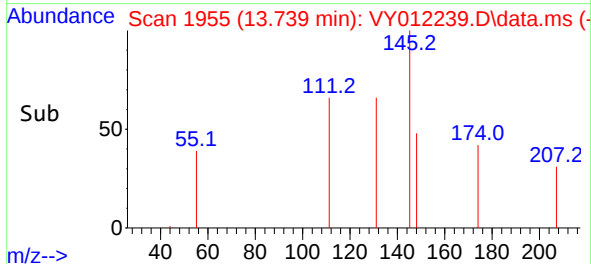
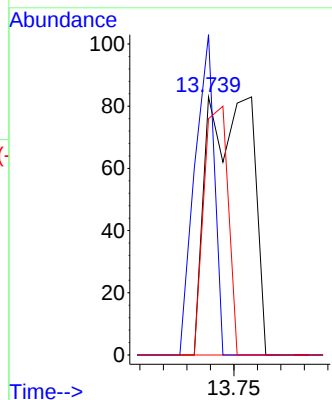
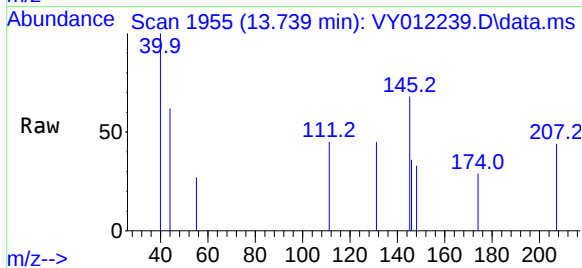
Tgt Ion:146 Resp: 113

Ion Ratio Lower Upper

146 100

111 53.1 20.3 60.8

148 50.4 31.8 95.4



#95

Naphthalene

Concen: 1.942 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY012239.D

Acq: 18 Jan 2023 12:24

Tgt Ion:128 Resp: 268

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

