

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012249.D
 Acq On : 18 Jan 2023 16:26
 Operator : KP/MD
 Sample : 01184-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 APNB-BOT-1RE

Quant Time: Jan 19 00:36:35 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)

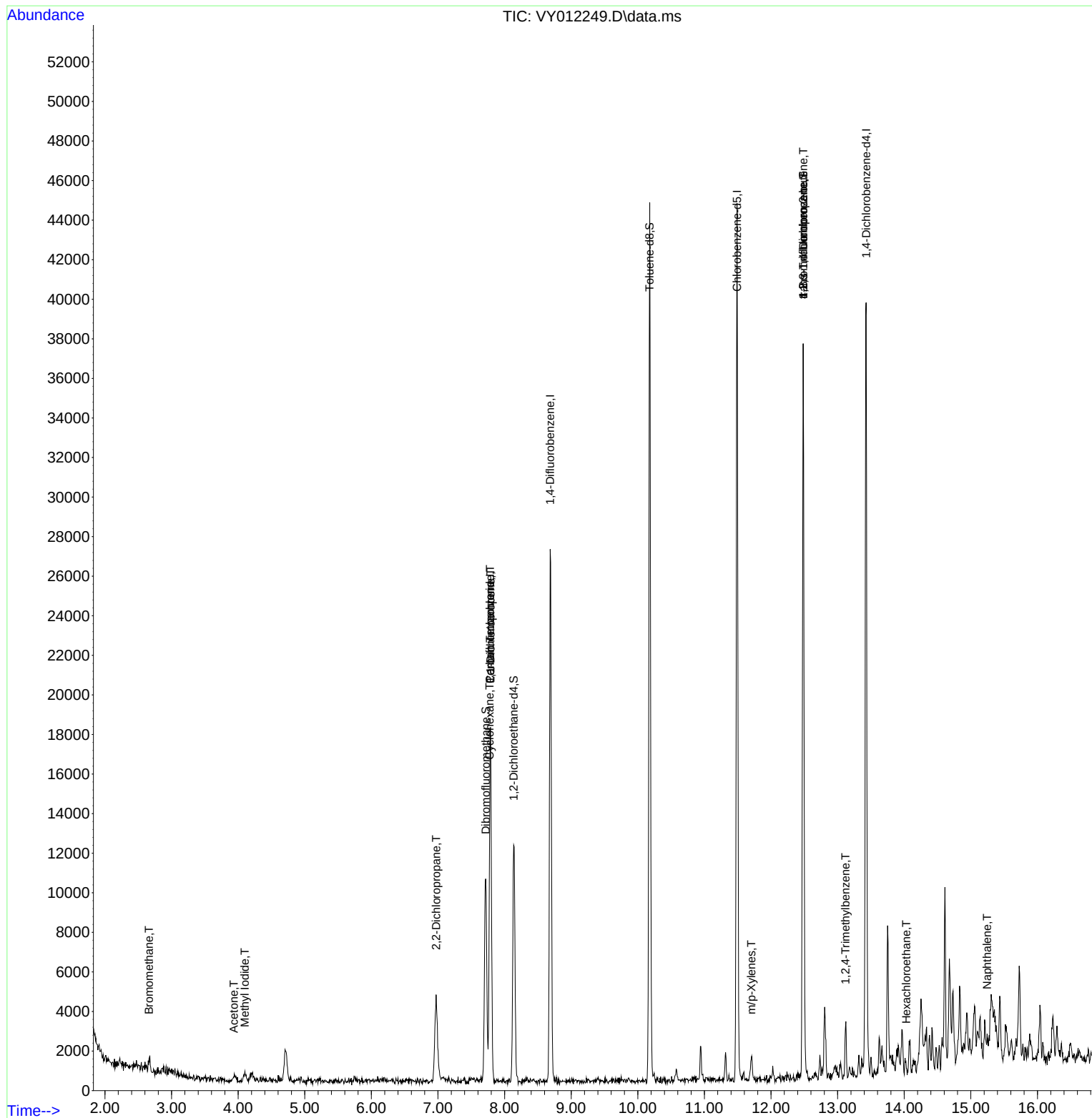
Internal Standards						
1) Pentafluorobenzene	7.783	168	14645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	25362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10504	89.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 179.300%#			
35) Dibromofluoromethane	7.716	113	7733	59.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.380%			
50) Toluene-d8	10.179	98	30003	68.432	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 136.860%			
62) 4-Bromofluorobenzene	12.483	95	10172	55.693	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.380%			
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	219	2.054	ug/l	89
10) Methyl Iodide	4.101	142	610	3.064	ug/l #	75
16) Acetone	3.936	43	435	10.667	ug/l #	40
26) 2,2-Dichloropropane	6.972	77	333	1.334	ug/l #	53
31) Cyclohexane	7.777	56	238	1.115	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	969	4.401	ug/l #	43
38) Carbon Tetrachloride	7.783	117	1348	4.740	ug/l #	14
68) m/p-Xylenes	11.703	106	474	1.293	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	4974	49.345	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4974	101.673	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	1786	2.636	ug/l	94
90) Hexachloroethane	14.032	117	176	1.309	ug/l #	9
95) Naphthalene	15.245	128	627	1.469	ug/l #	69

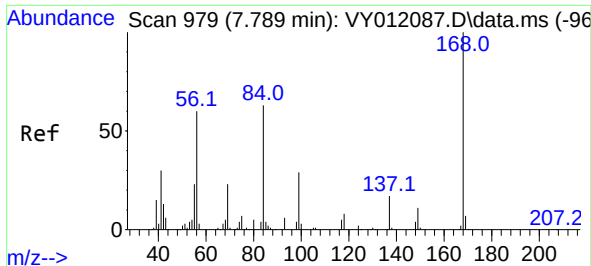
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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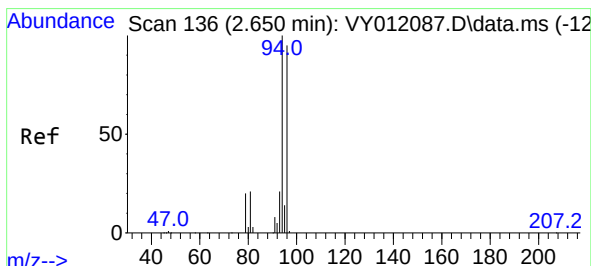
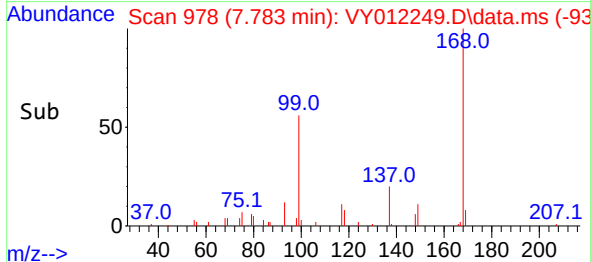
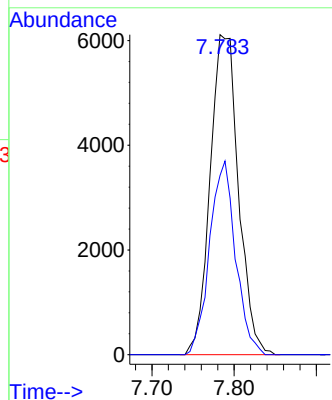
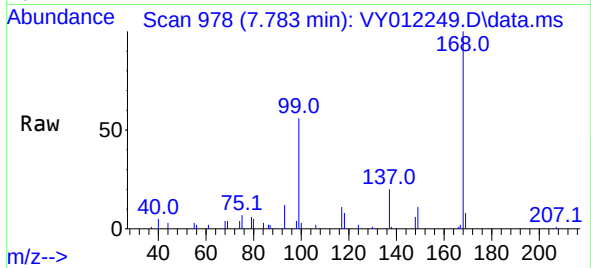




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

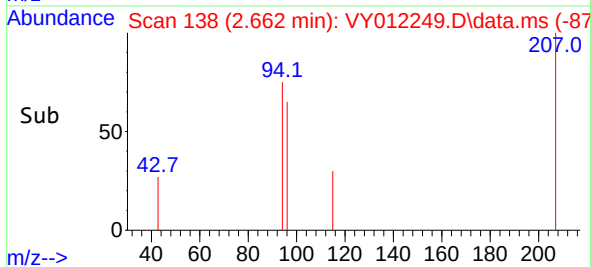
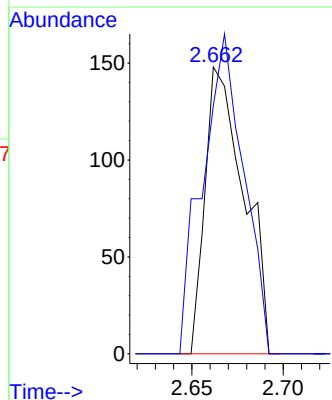
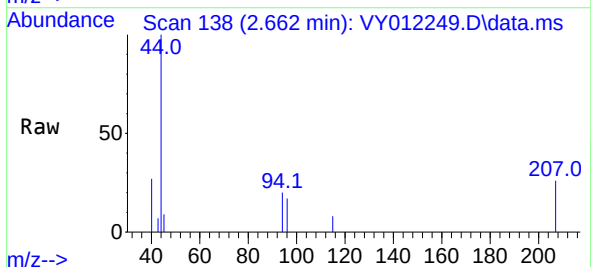
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

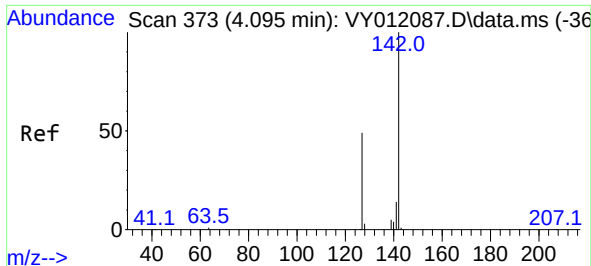
Tgt Ion:168 Resp: 14645
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#5
Bromomethane
Concen: 2.054 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 86.5 77.4 116.2

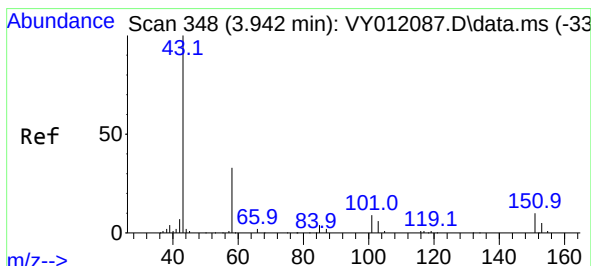
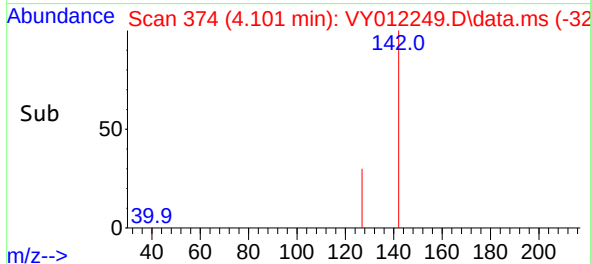
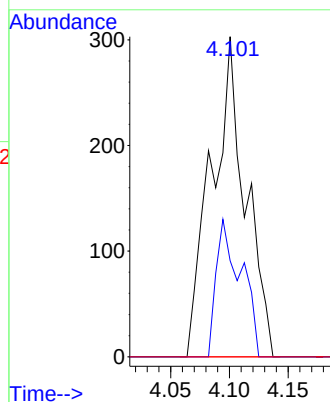
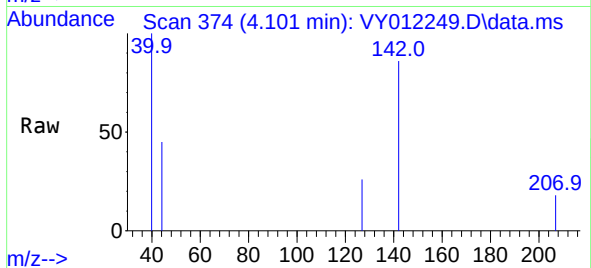




#10
Methyl Iodide
Concen: 3.064 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

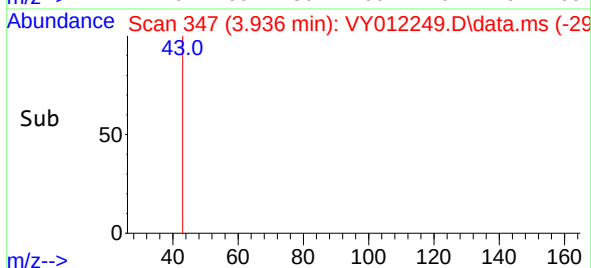
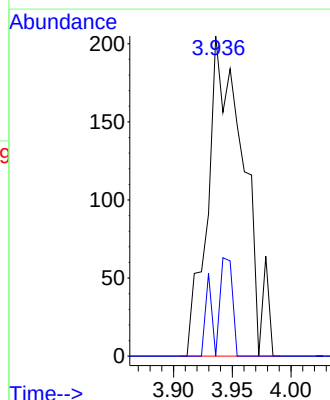
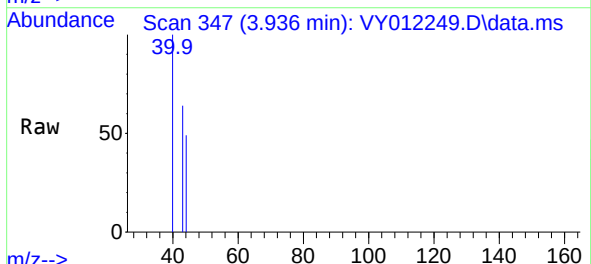
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

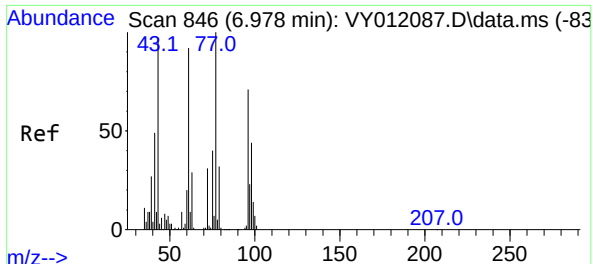
Tgt Ion:142 Resp: 610
Ion Ratio Lower Upper
142 100
127 31.3 37.0 55.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 10.667 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





#26

2,2-Dichloropropane

Concen: 1.334 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012249.D

Acq: 18 Jan 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

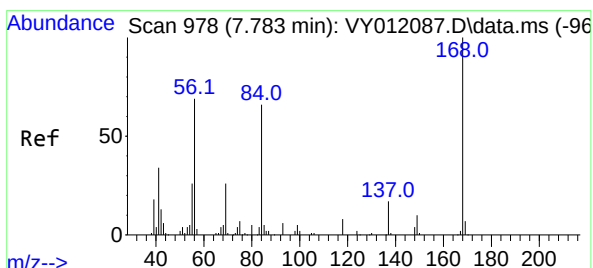
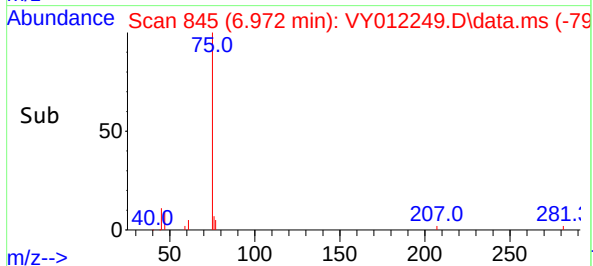
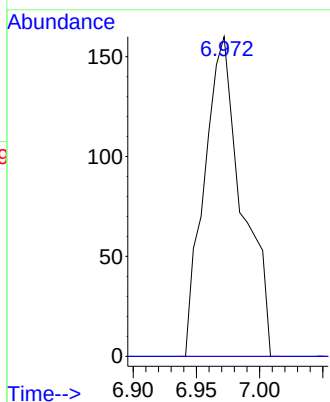
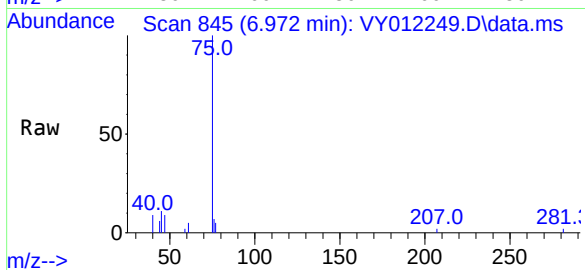
APNB-BOT-1RE

Tgt Ion: 77 Resp: 333

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY012249.D

Acq: 18 Jan 2023 16:26

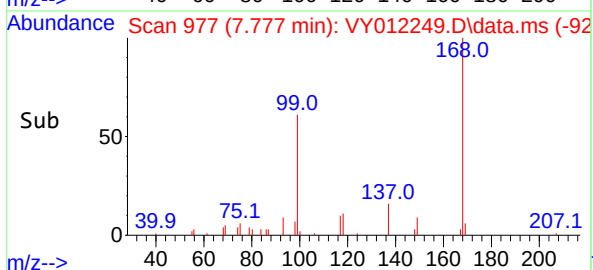
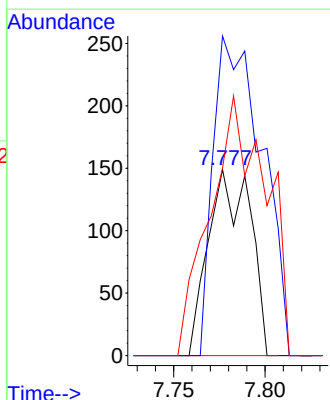
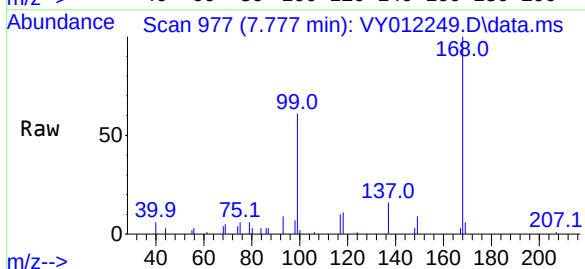
Tgt Ion: 56 Resp: 238

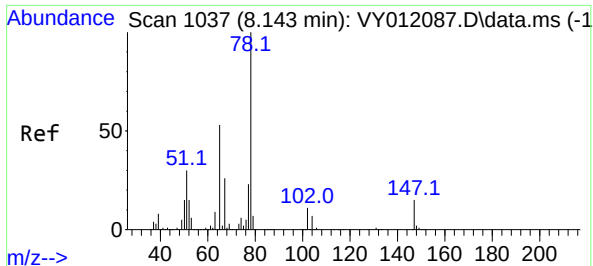
Ion Ratio Lower Upper

56 100

69 171.8 29.2 43.8#

84 100.7 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 89.649 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012249.D

Acq: 18 Jan 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

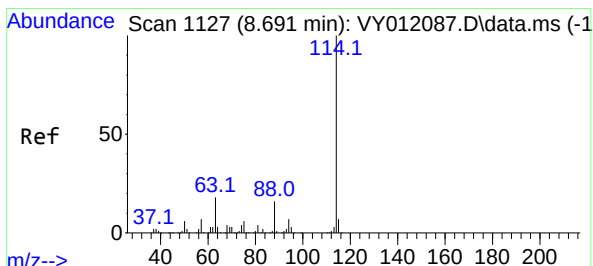
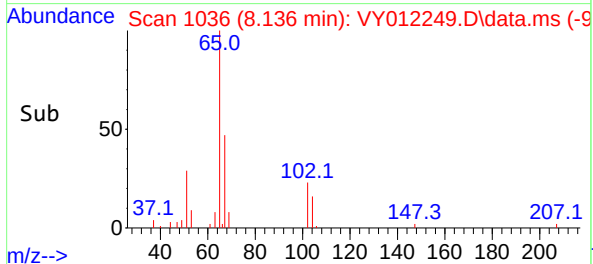
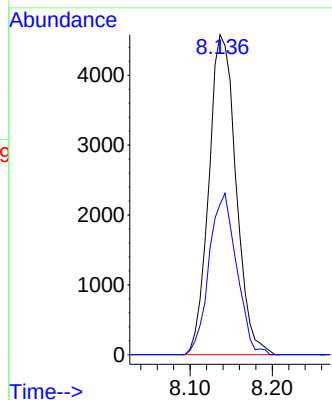
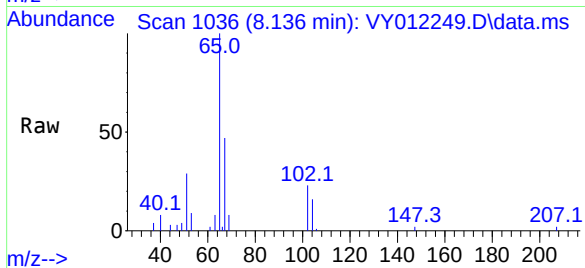
APNB-BOT-1RE

Tgt Ion: 65 Resp: 10504

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012249.D

Acq: 18 Jan 2023 16:26

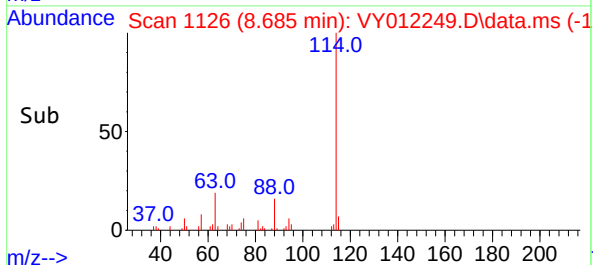
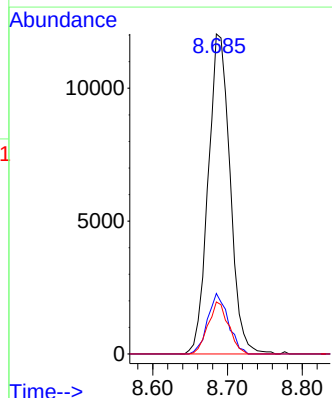
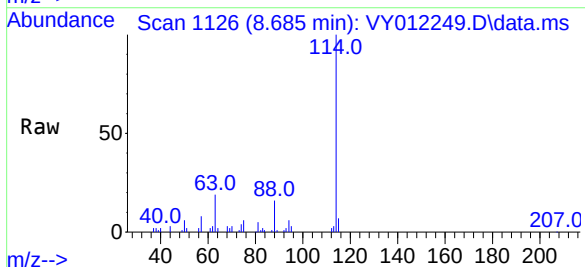
Tgt Ion:114 Resp: 24469

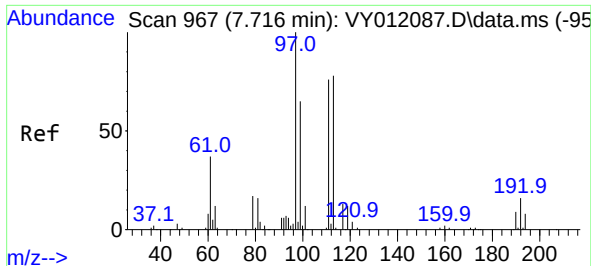
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 16.2 0.0 32.2

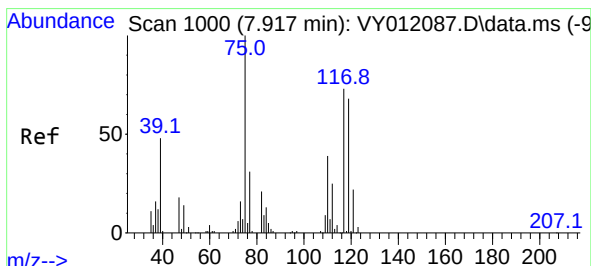
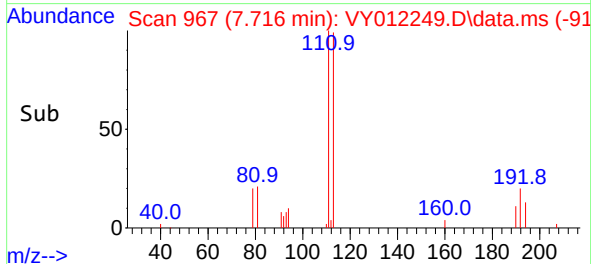
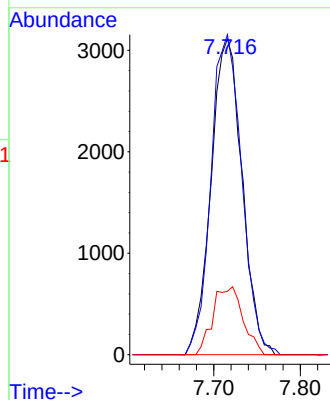
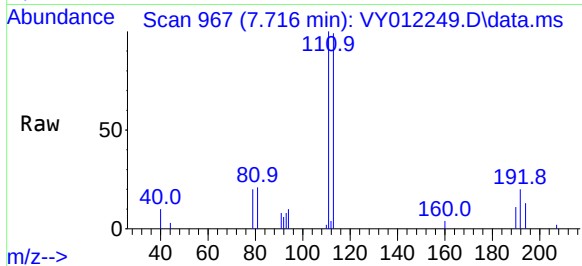




#35
Dibromofluoromethane
Concen: 59.685 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

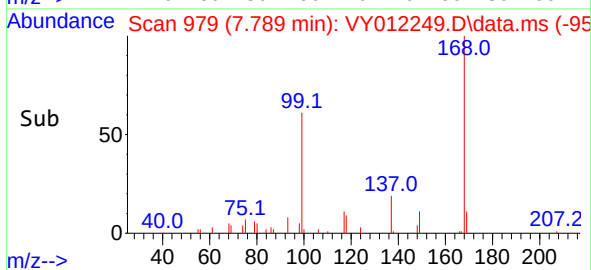
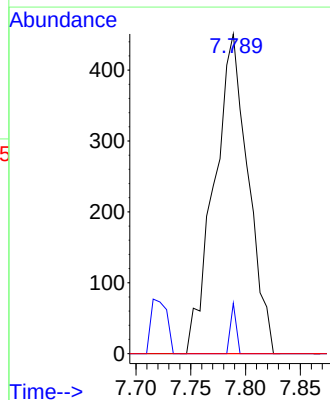
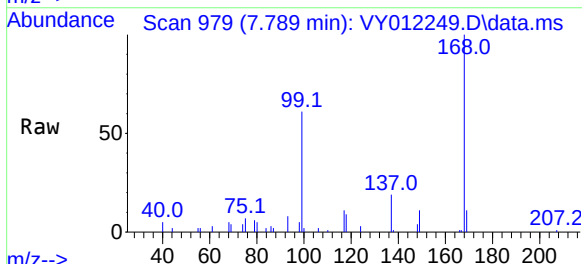
Instrument :
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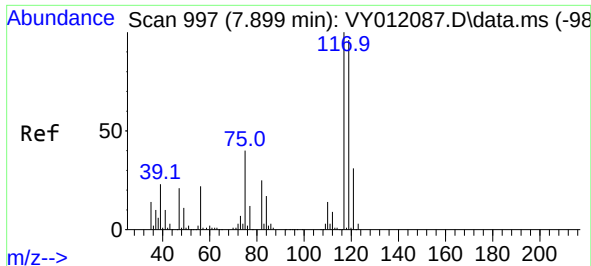
Tgt Ion:113 Resp: 7733
Ion Ratio Lower Upper
113 100
111 100.8 83.0 124.4
192 21.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion: 75 Resp: 969
Ion Ratio Lower Upper
75 100
110 2.7 18.1 54.1#
77 0.0 25.1 37.7#

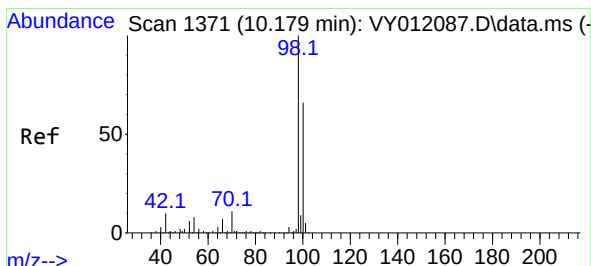
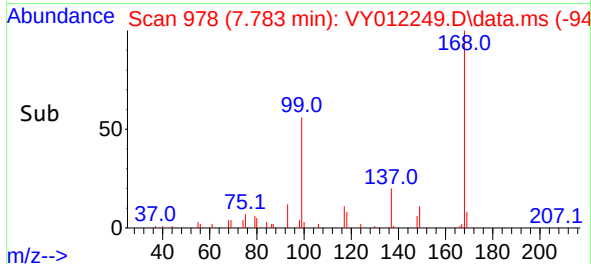
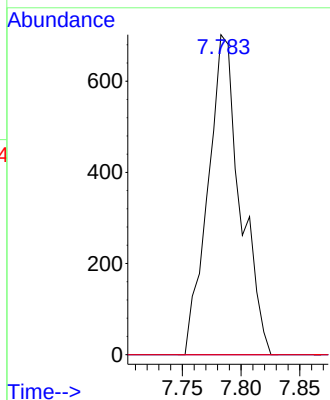
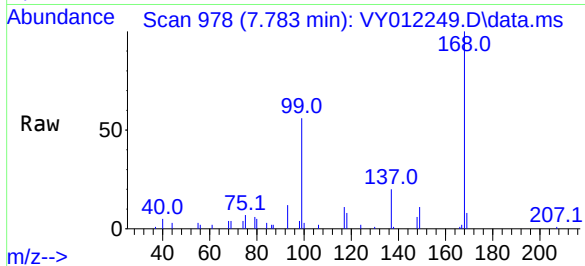




#38
Carbon Tetrachloride
Concen: 4.740 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

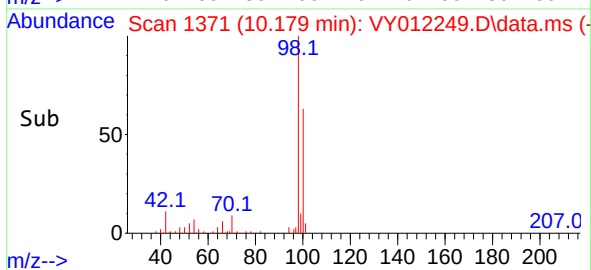
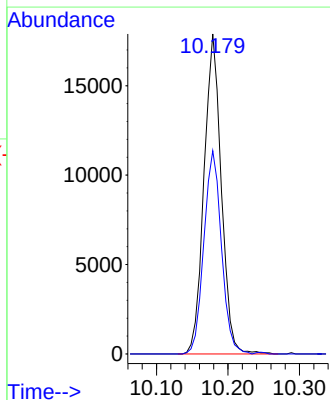
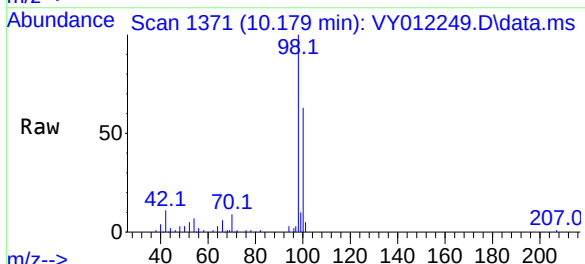
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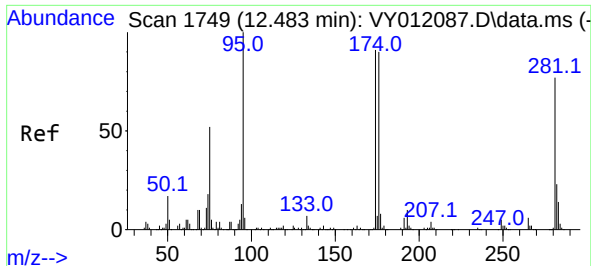
Tgt Ion:117 Resp: 1348
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 68.432 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion: 98 Resp: 30003
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

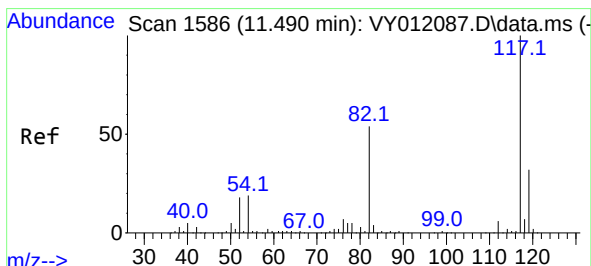
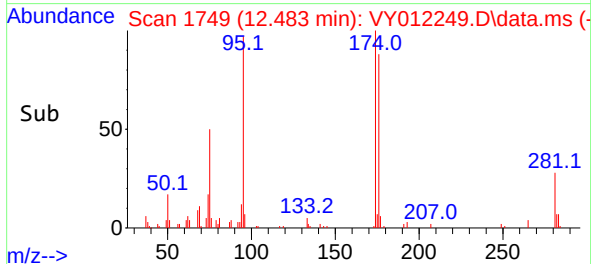
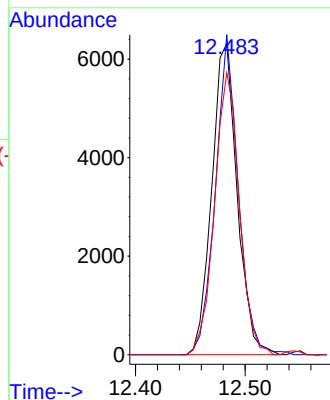
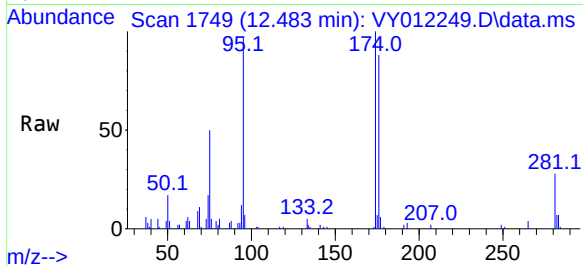




#62
4-Bromofluorobenzene
Concen: 55.693 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

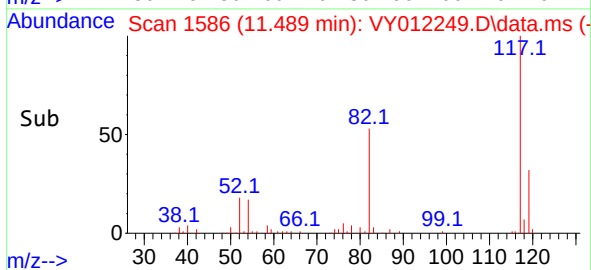
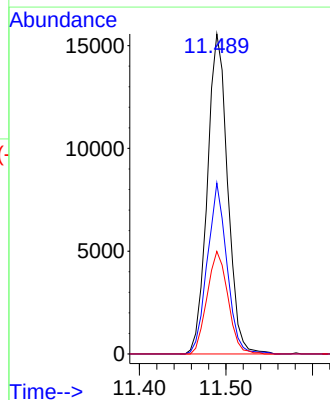
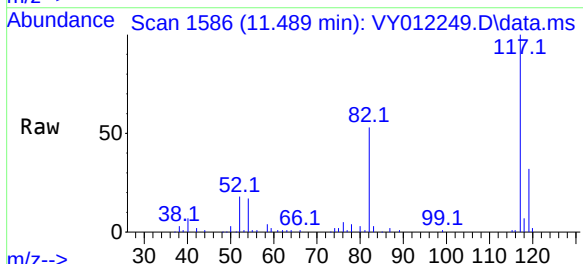
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

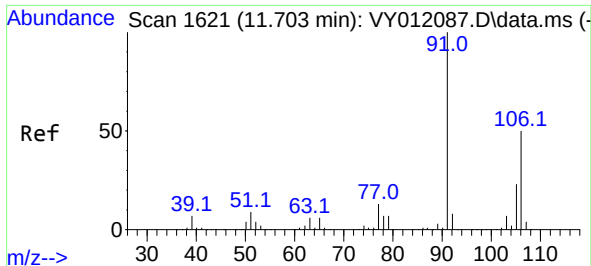
Tgt Ion:	95	Resp:	10172
Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	172.0
176	88.6	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion:	117	Resp:	25362
Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.8	67.2
119	32.0	25.4	38.2

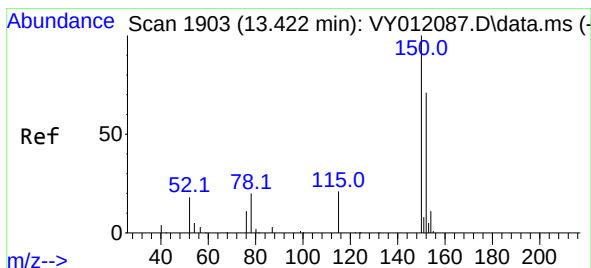
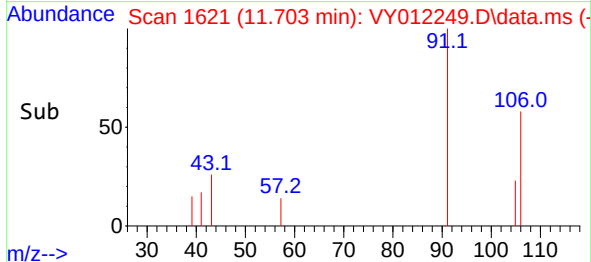
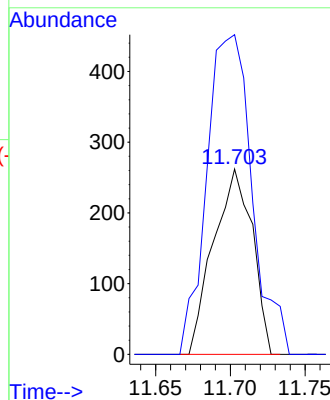
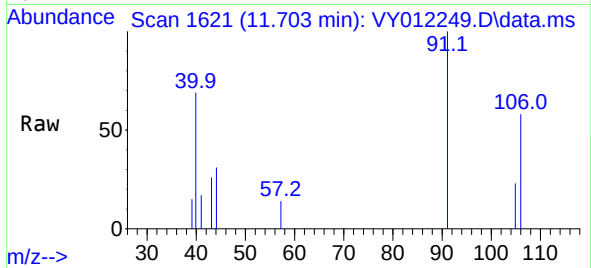




#68
m/p-Xylenes
Concen: 1.293 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

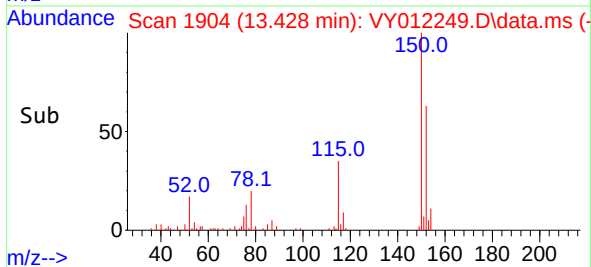
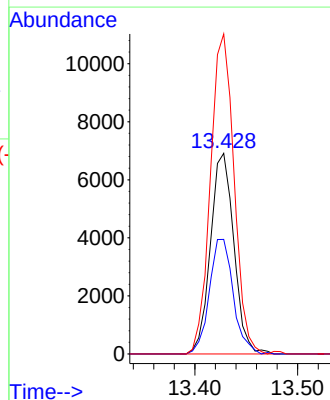
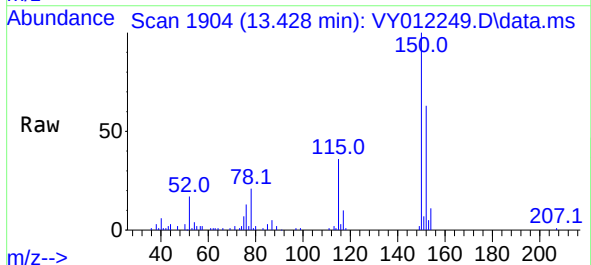
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

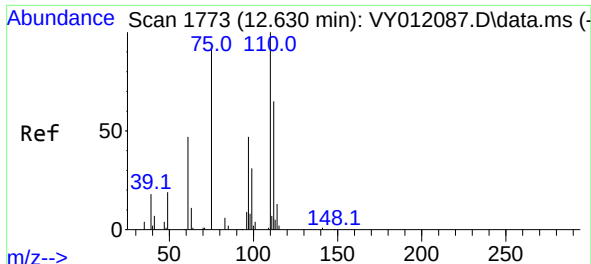
Tgt Ion:106 Resp: 474
Ion Ratio Lower Upper
106 100
91 200.6 162.5 243.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion:152 Resp: 10962
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.3
150 160.5 0.0 342.6

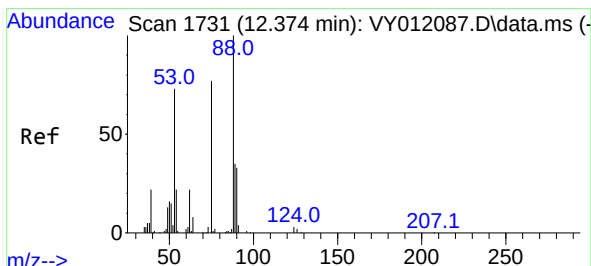
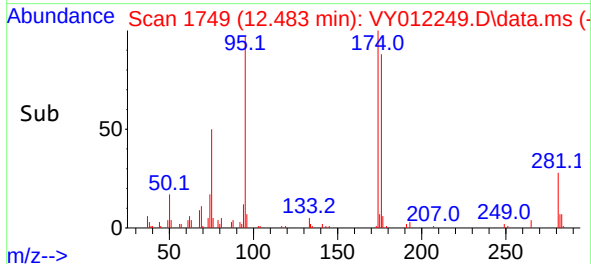
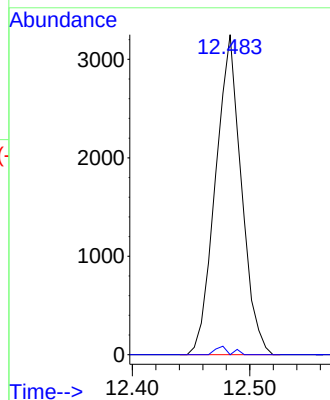
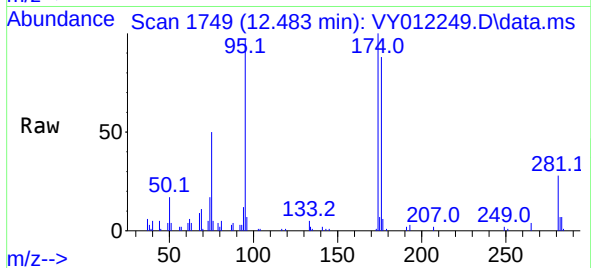




#76
1,2,3-Trichloropropane
Concen: 49.345 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

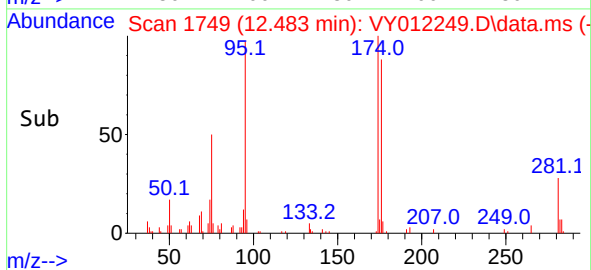
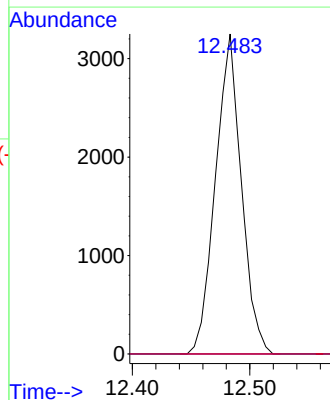
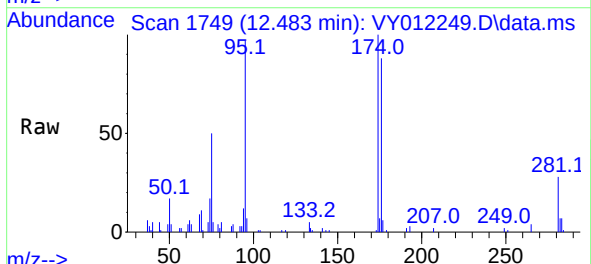
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

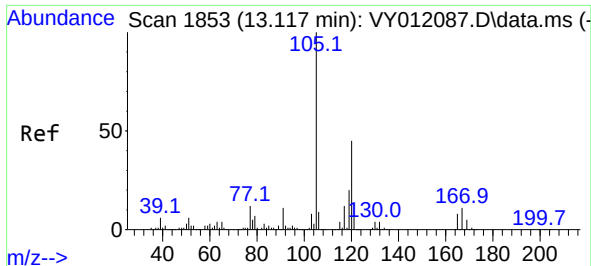
Tgt Ion: 75 Resp: 4974
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.673 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Tgt Ion: 75 Resp: 4974
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

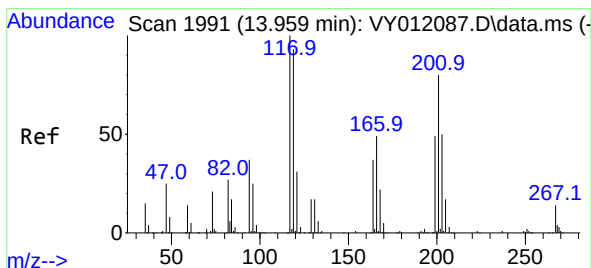
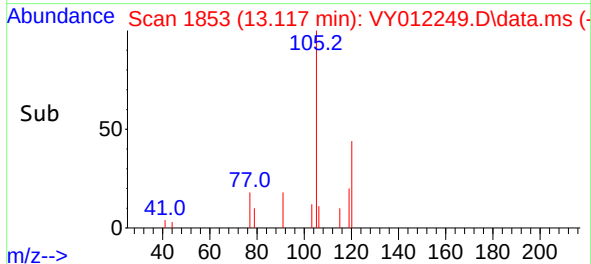
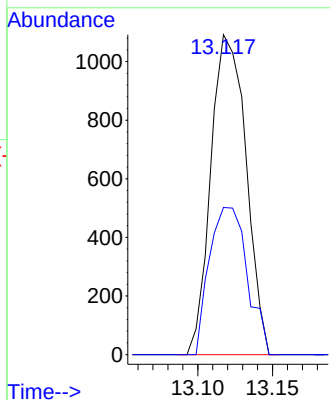
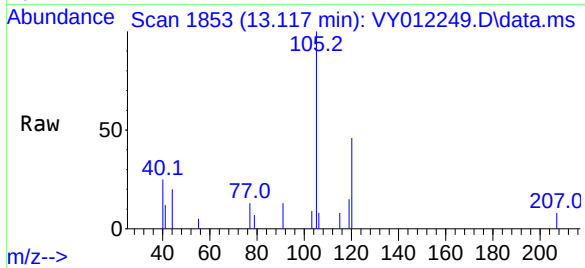




#84
1,2,4-Trimethylbenzene
Concen: 2.636 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

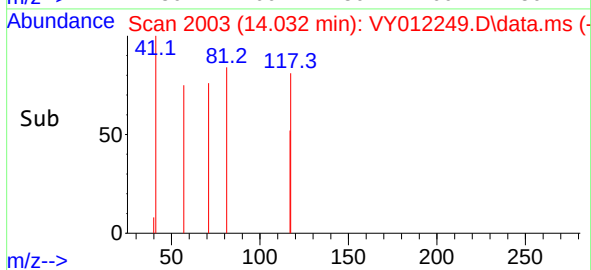
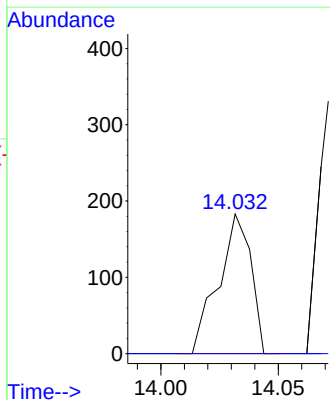
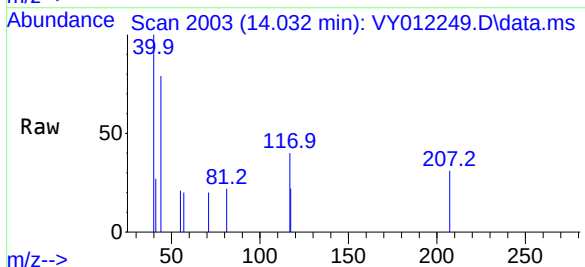
Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE

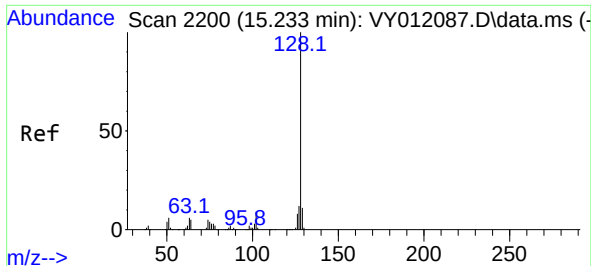
Tgt Ion:105 Resp: 1786
Ion Ratio Lower Upper
105 100
120 49.5 22.9 68.7



#90
Hexachloroethane
Concen: 1.309 ug/l
RT: 14.032 min Scan# 2003
Delta R.T. 0.073 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

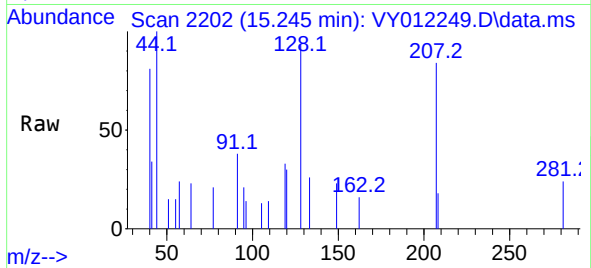
Tgt Ion:117 Resp: 176
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#





#95
Naphthalene
Concen: 1.469 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY012249.D
Acq: 18 Jan 2023 16:26

Instrument :
MSVOA_Y
ClientSampleId :
APNB-BOT-1RE



Tgt Ion:128 Resp: 627
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

