

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031524\
 Data File : VY017668.D
 Acq On : 15 Mar 2024 13:25
 Operator : SY/MD
 Sample : P1767-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-031424

Quant Time: Mar 16 00:15:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

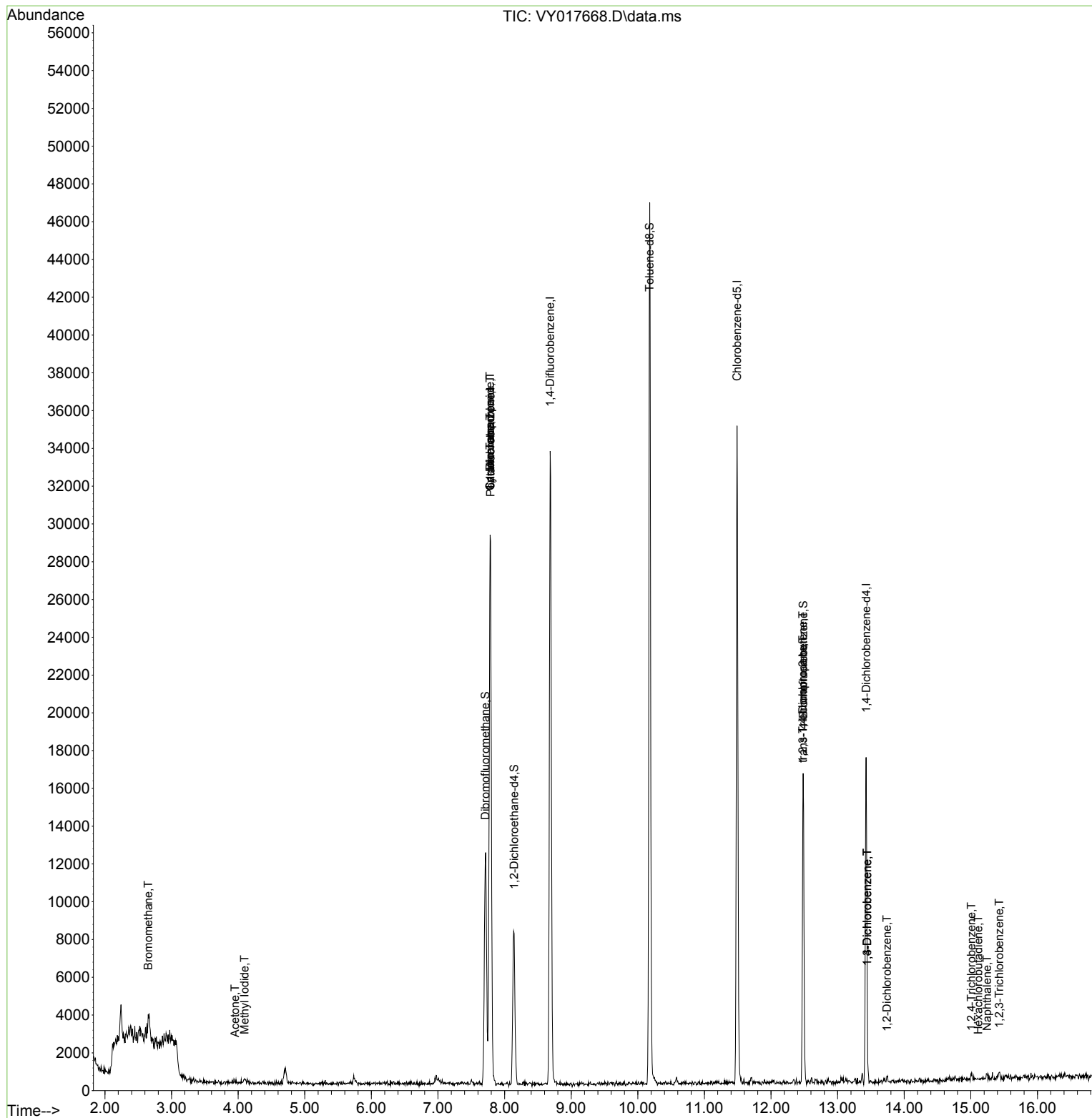
Internal Standards						
1) Pentafluorobenzene	7.789	168	24967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6628	28.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	56.020%
35) Dibromofluoromethane	7.709	113	9192	41.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.800%
50) Toluene-d8	10.179	98	33143	43.213	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.420%
62) 4-Bromofluorobenzene	12.483	95	5348	22.187	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.649	94	650	1.848	ug/l #	55
10) Methyl Iodide	4.094	142	405	1.426	ug/l #	50
16) Acetone	3.954	43	173	3.769	ug/l #	36
20) Methylene Chloride	4.692	84	784	Below Cal	#	72
31) Cyclohexane	7.783	56	398	1.034	ug/l #	11
36) 1,1-Dichloropropene	7.783	75	1603	5.416	ug/l #	40
38) Carbon Tetrachloride	7.783	117	2382	8.030	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	2679	57.719	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2679	132.624	ug/l #	16
87) 1,3-Dichlorobenzene	13.446	146	293	1.661	ug/l	89
88) 1,4-Dichlorobenzene	13.446	146	293	1.708	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	239	1.602	ug/l #	49
93) 1,2,4-Trichlorobenzene	15.007	180	151	1.916	ug/l #	59
94) Hexachlorobutadiene	15.111	225	51	1.048	ug/l #	19
95) Naphthalene	15.245	128	311	5.791	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	158	2.337	ug/l #	69

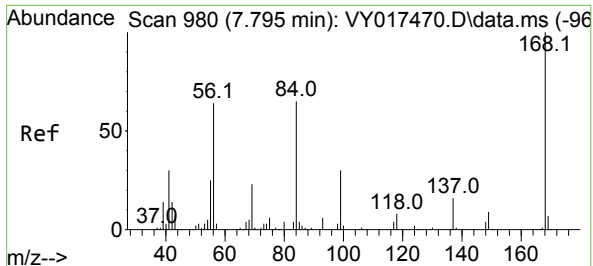
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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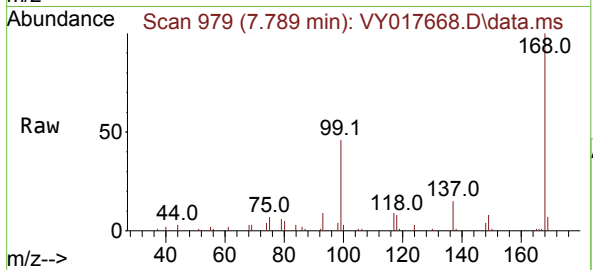
Quant Time: Mar 16 00:15:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
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QLast Update : Sat Feb 24 04:41:20 2024
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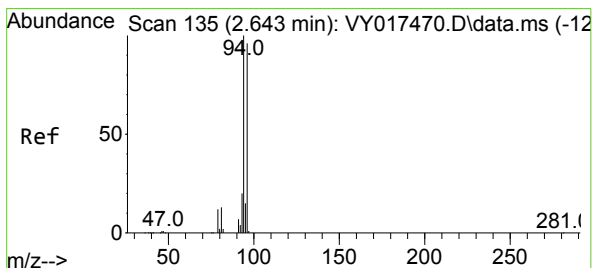
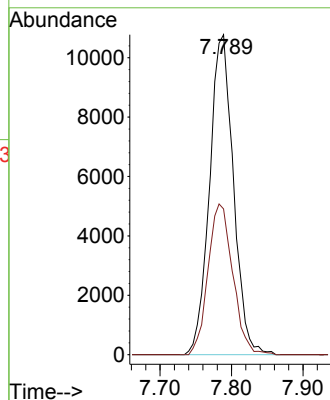
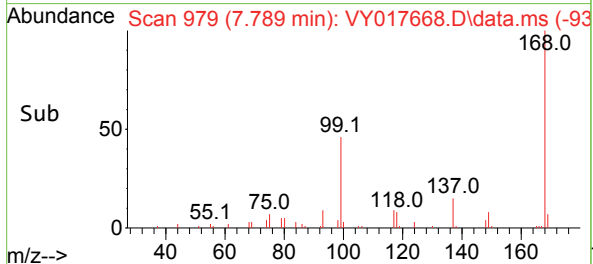


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-031424

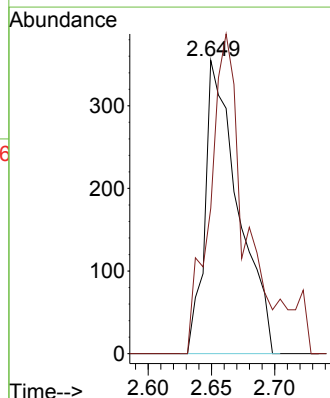
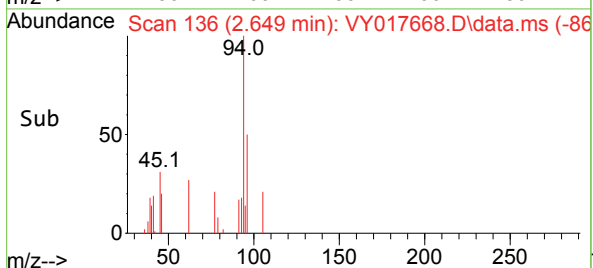
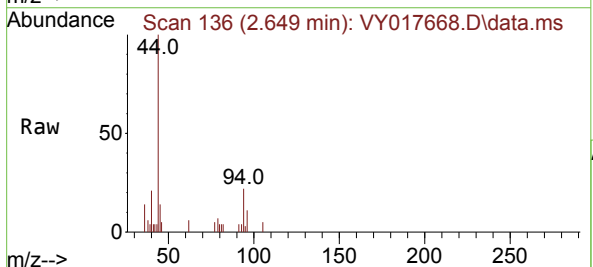


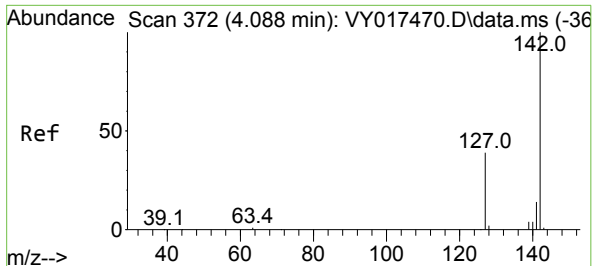
Tgt Ion:168 Resp: 24967
Ion Ratio Lower Upper
168 100
99 45.6 39.1 58.7



#5
Bromomethane
Concen: 1.848 ug/l
RT: 2.649 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion: 94 Resp: 650
Ion Ratio Lower Upper
94 100
96 49.6 74.1 111.1#





#10

Methyl Iodide

Concen: 1.426 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-031424

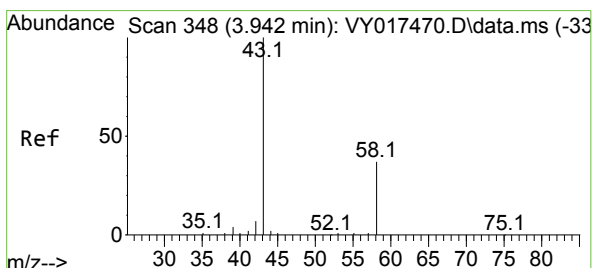
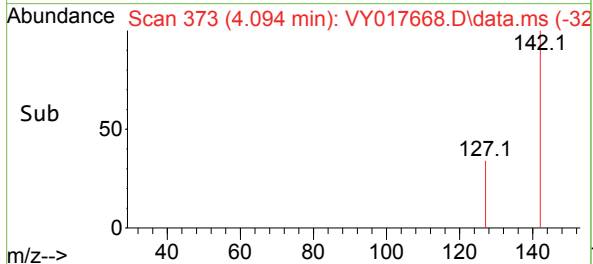
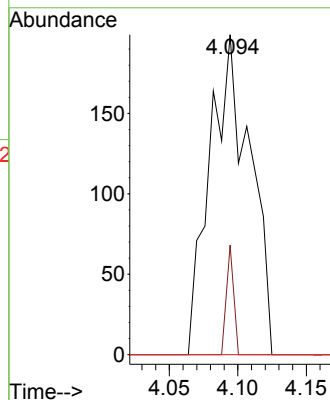
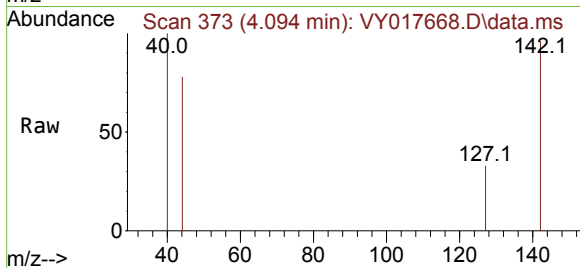
Tgt Ion:142 Resp: 405

Ion Ratio Lower Upper

142 100

127 6.2 32.8 49.2#

141 0.0 11.4 17.2#



#16

Acetone

Concen: 3.769 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY017668.D

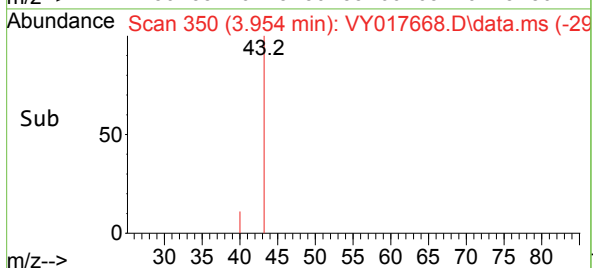
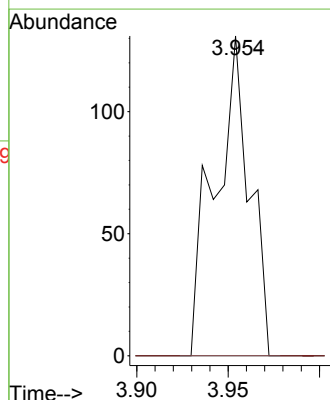
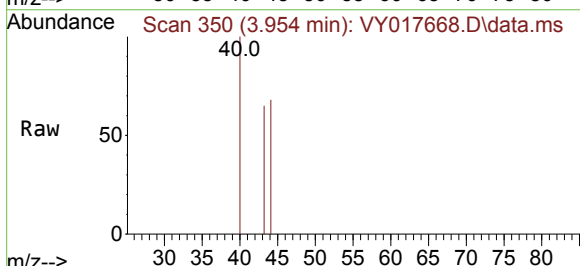
Acq: 15 Mar 2024 13:25

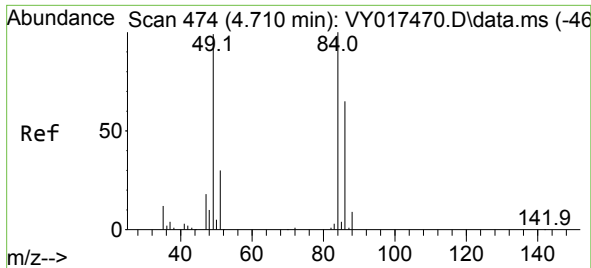
Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#

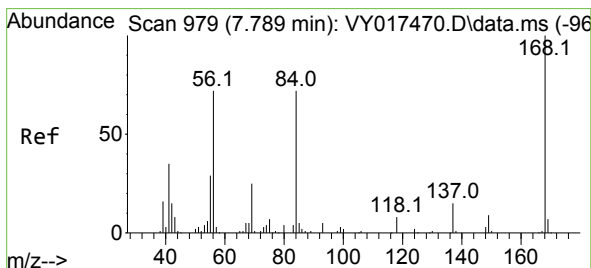
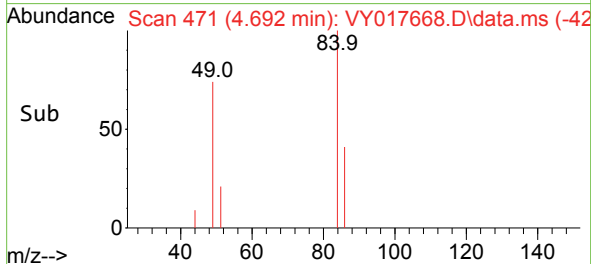
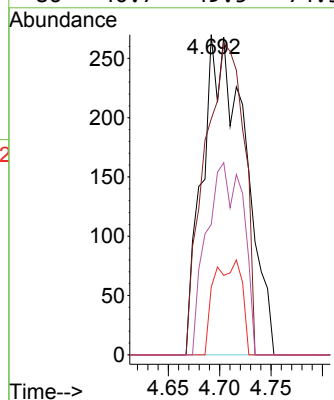
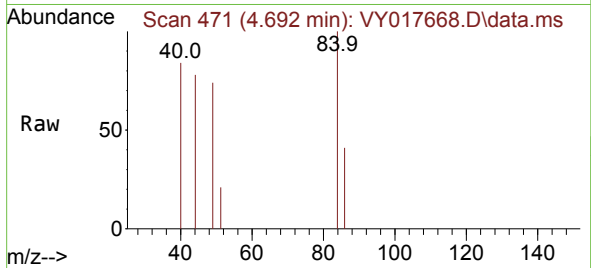




#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

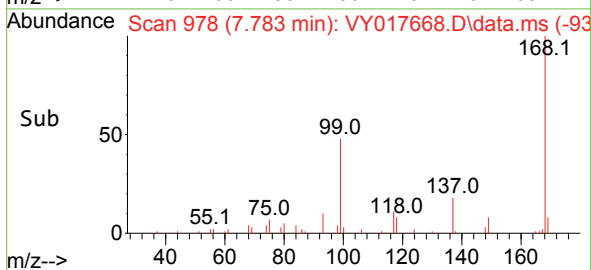
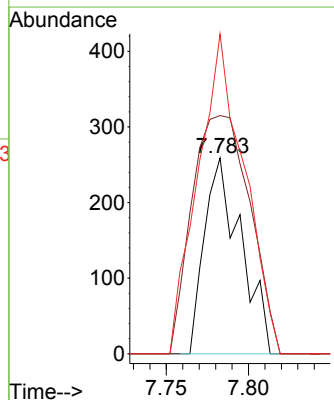
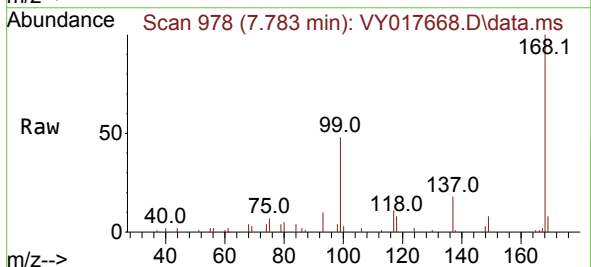
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-031424

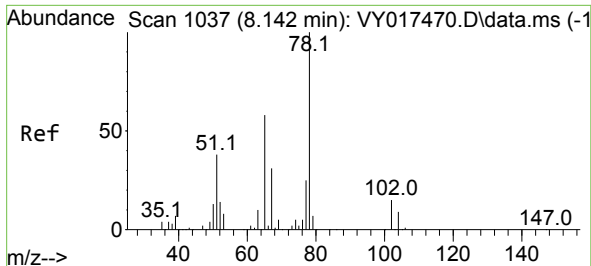
Tgt Ion:	84	Resp:	784
Ion	Ratio	Lower	Upper
84	100		
49	73.7	84.4	126.6#
51	21.1	26.0	39.0#
86	40.7	49.5	74.3#



#31
Cyclohexane
Concen: 1.034 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion:	56	Resp:	398
Ion	Ratio	Lower	Upper
56	100		
69	121.6	28.7	43.1#
84	163.3	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 28.011 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

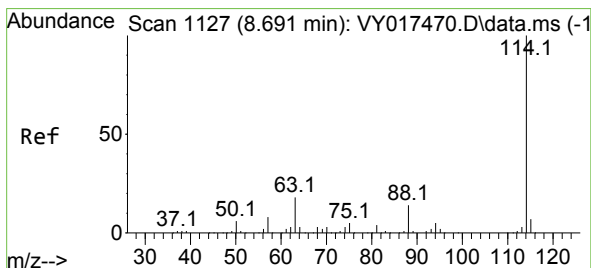
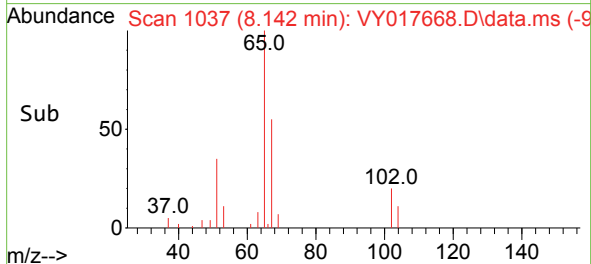
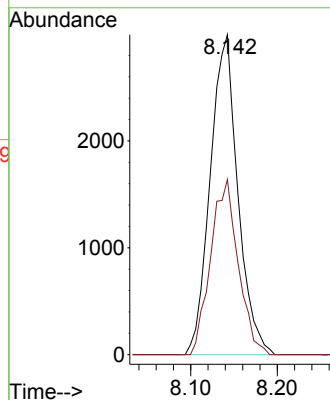
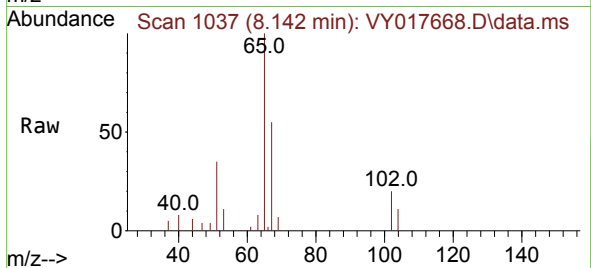
NB-07-031424

Tgt Ion: 65 Resp: 6628

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

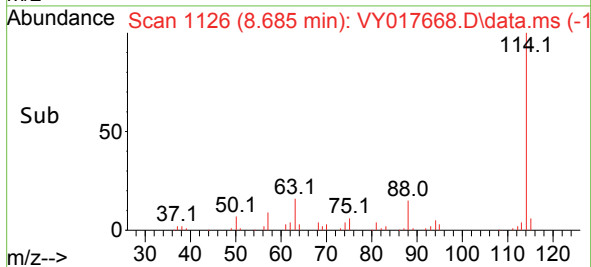
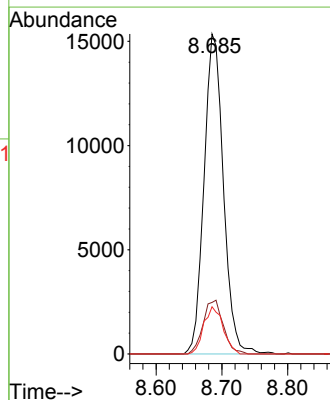
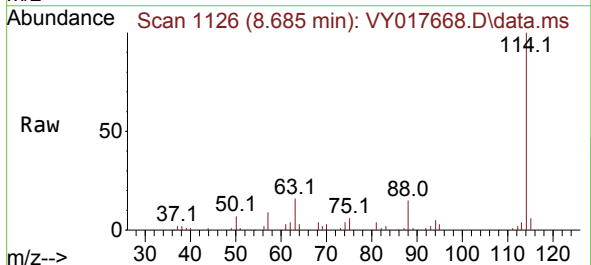
Tgt Ion: 114 Resp: 31480

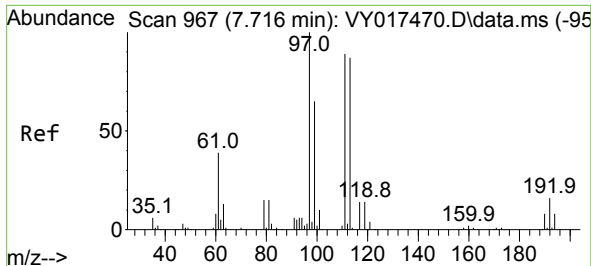
Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.0

88 14.8 0.0 27.2

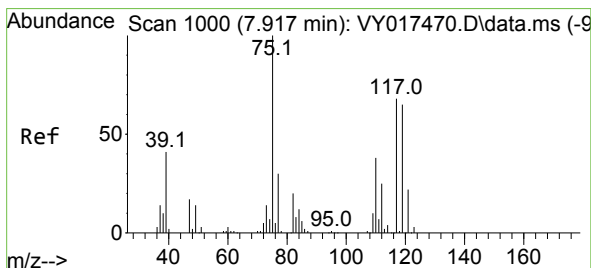
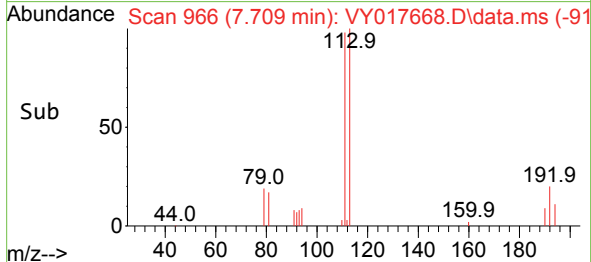
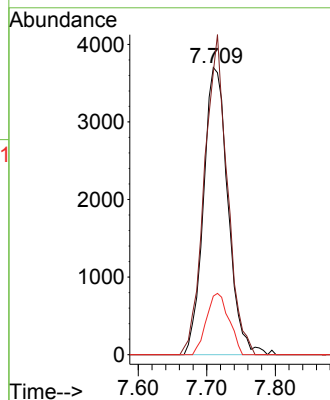
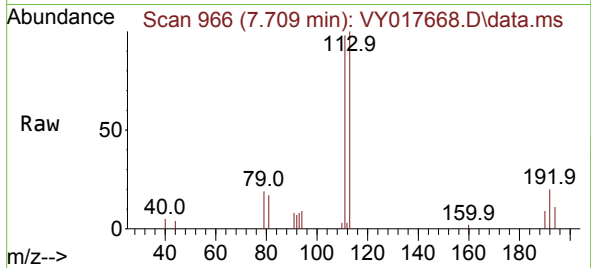




#35
Dibromofluoromethane
Concen: 41.903 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

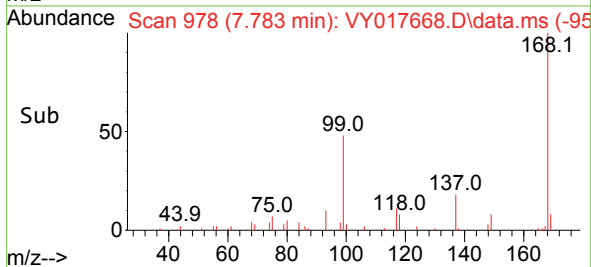
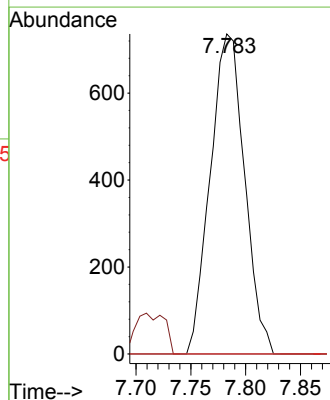
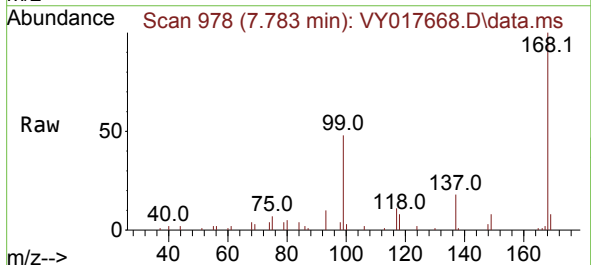
Instrument :
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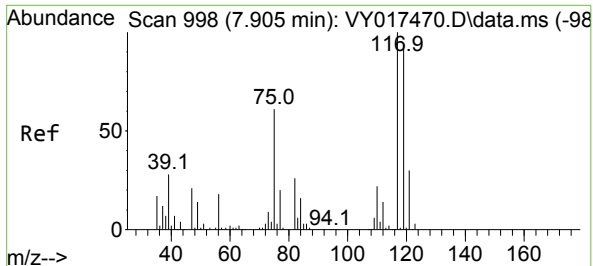
Tgt Ion:113 Resp: 9192
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.4
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion: 75 Resp: 1603
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#

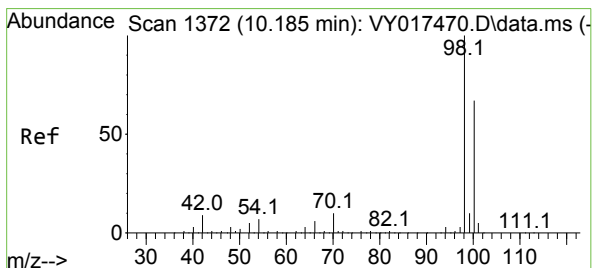
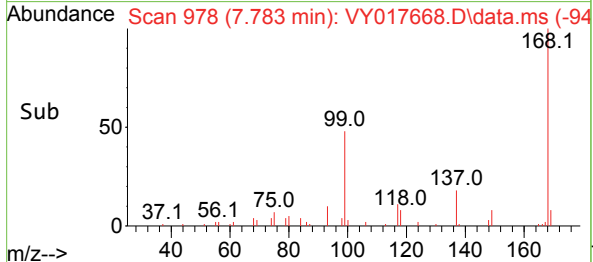
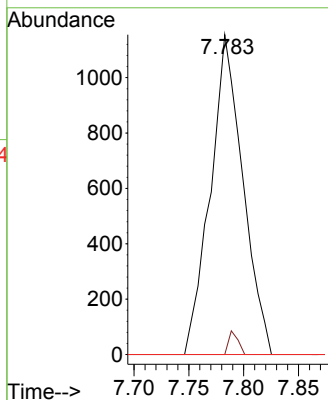
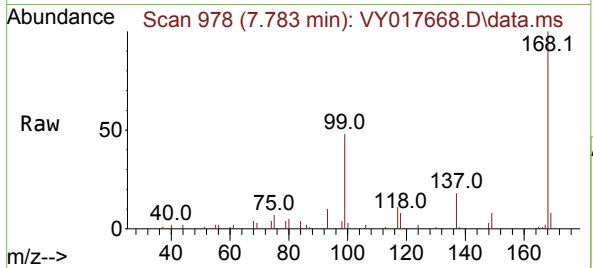




#38
Carbon Tetrachloride
Concen: 8.030 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

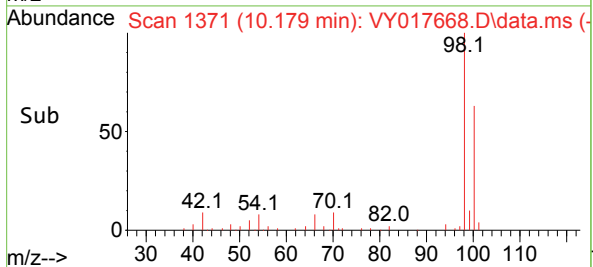
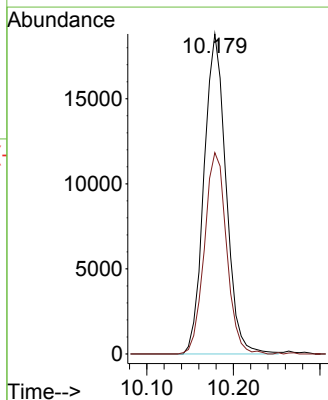
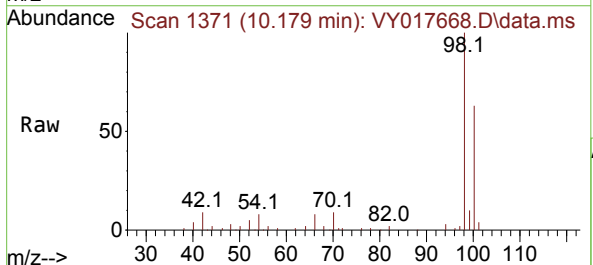
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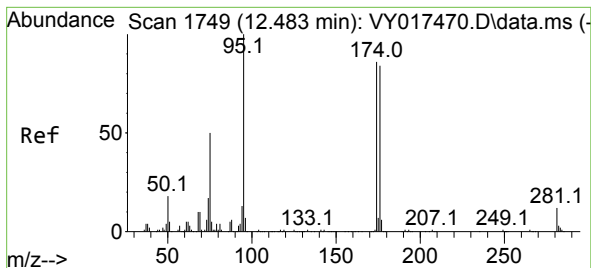
Tgt Ion:117 Resp: 2382
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 43.213 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion: 98 Resp: 33143
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

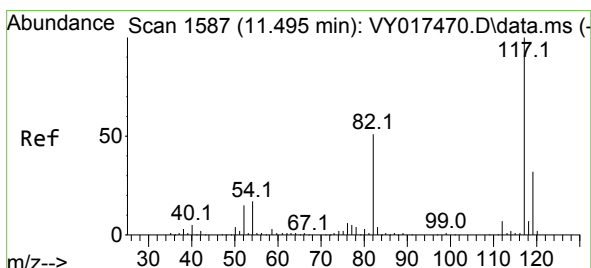
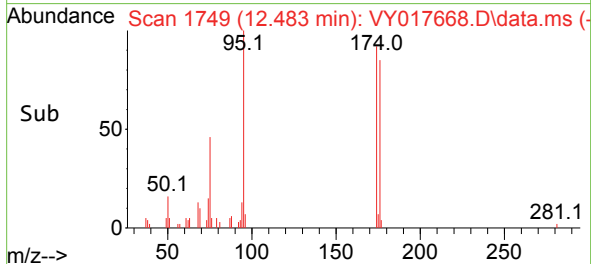
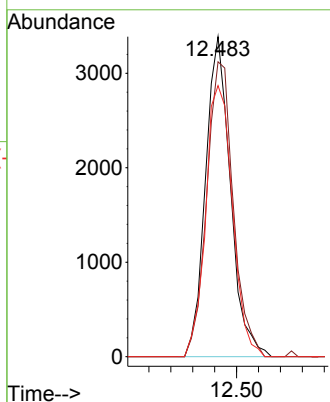
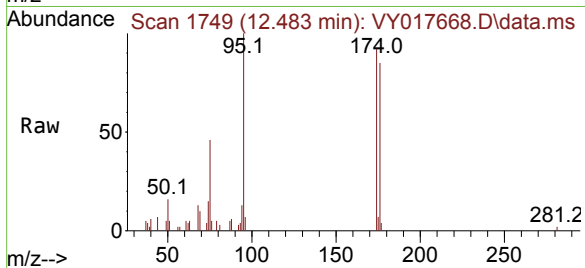




#62
4-Bromofluorobenzene
Concen: 22.187 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

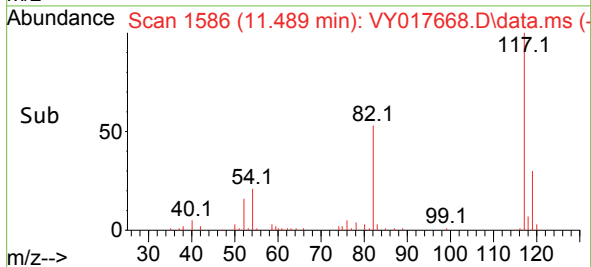
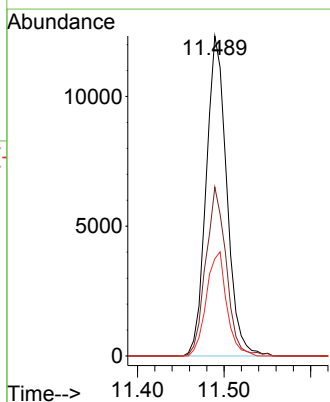
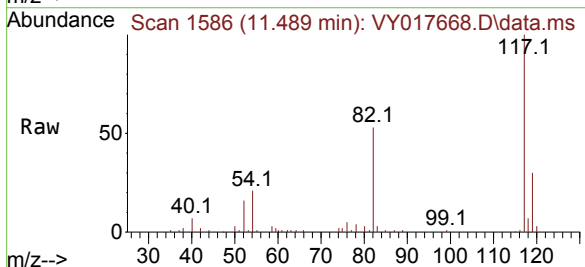
Instrument :
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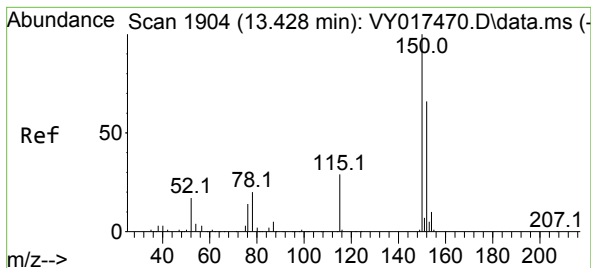
Tgt Ion:	95	Resp:	5348
Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	175.6
176	91.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion:	117	Resp:	20344
Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.4	63.6
119	30.4	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-031424

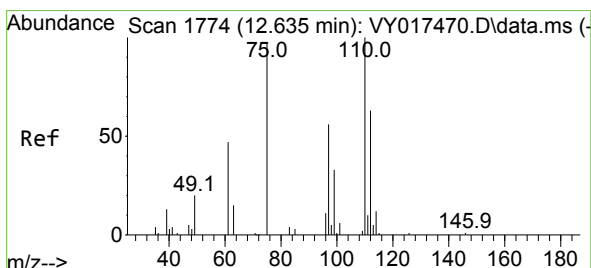
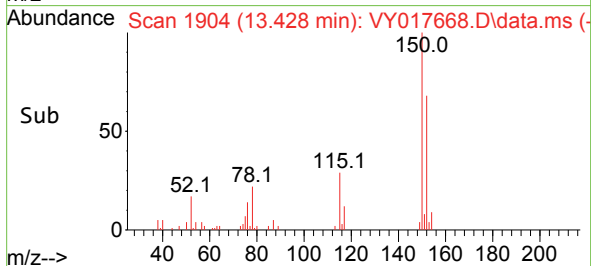
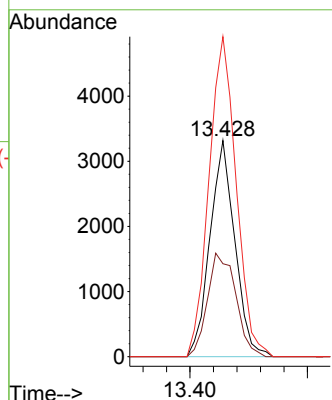
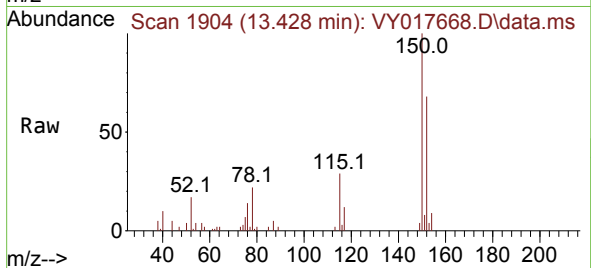
Tgt Ion:152 Resp: 4885

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 161.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 57.719 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY017668.D

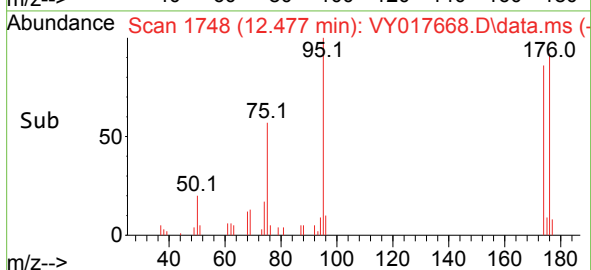
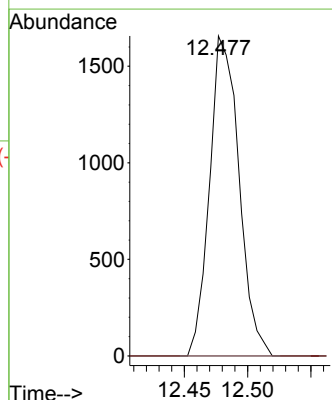
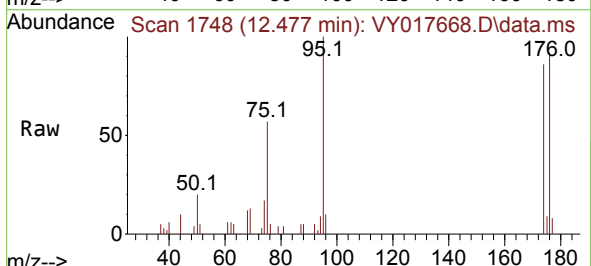
Acq: 15 Mar 2024 13:25

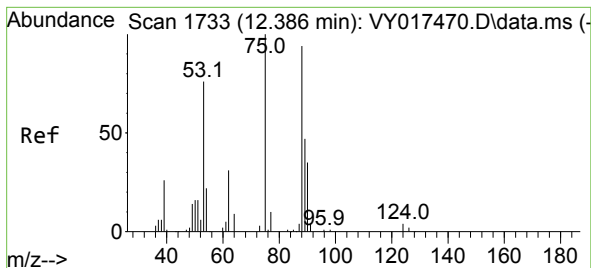
Tgt Ion: 75 Resp: 2679

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

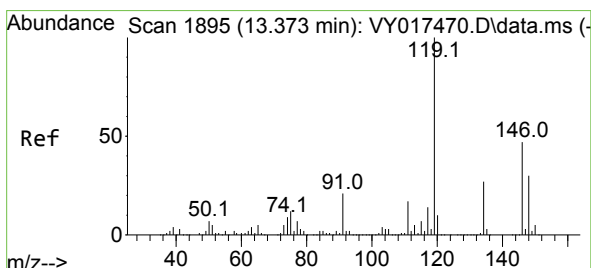
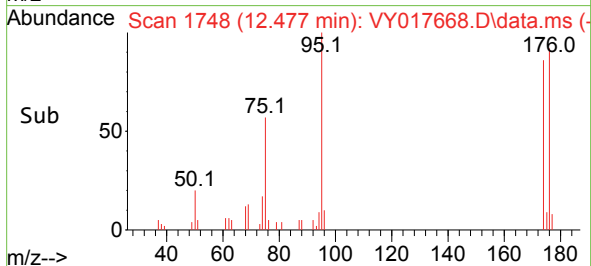
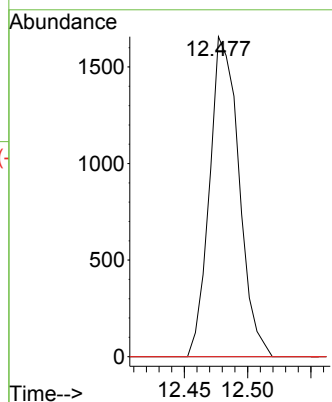
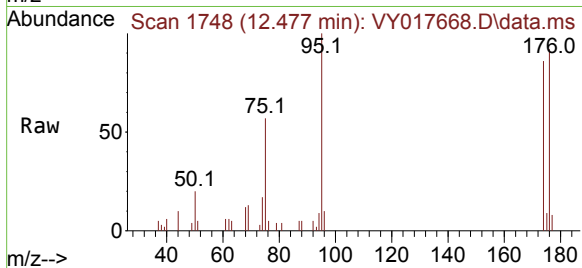




#81
trans-1,4-Dichloro-2-butene
Concen: 132.624 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.091 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

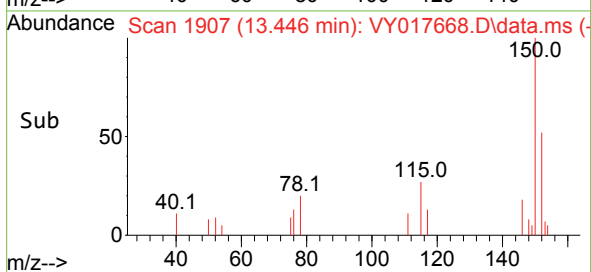
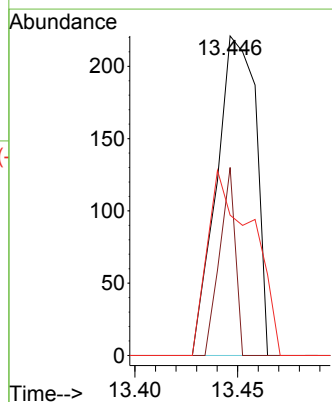
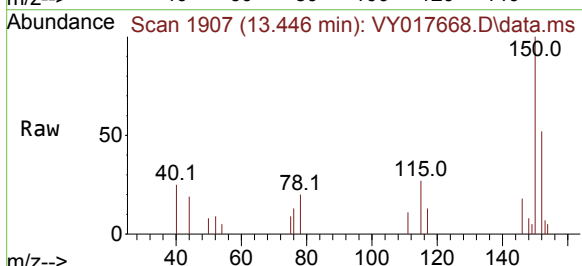
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-031424

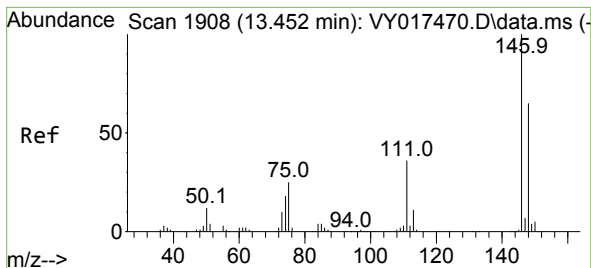
Tgt Ion: 75 Resp: 2679
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#87
1,3-Dichlorobenzene
Concen: 1.661 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.073 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion:146 Resp: 293
Ion Ratio Lower Upper
146 100
111 23.5 19.0 57.0
148 65.9 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 1.708 ug/l

RT: 13.446 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-031424

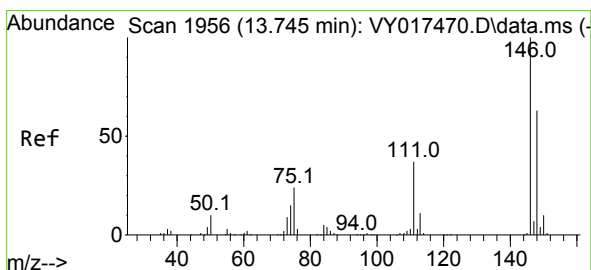
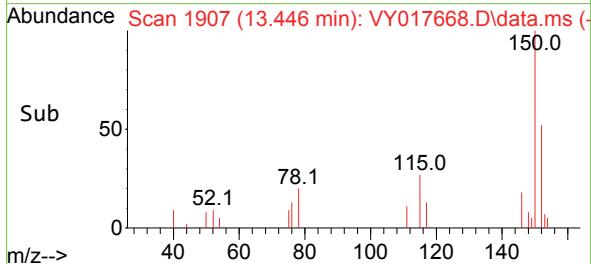
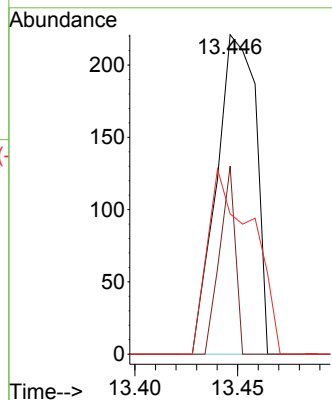
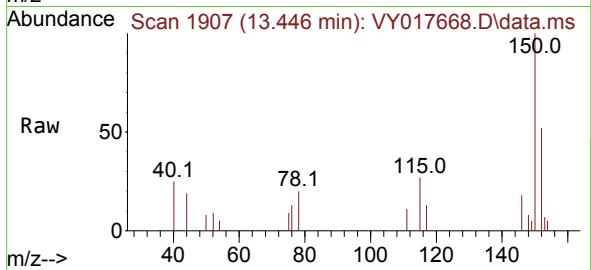
Tgt Ion:146 Resp: 293

Ion Ratio Lower Upper

146 100

111 23.5 18.4 55.4

148 65.9 32.4 97.2



#91

1,2-Dichlorobenzene

Concen: 1.602 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

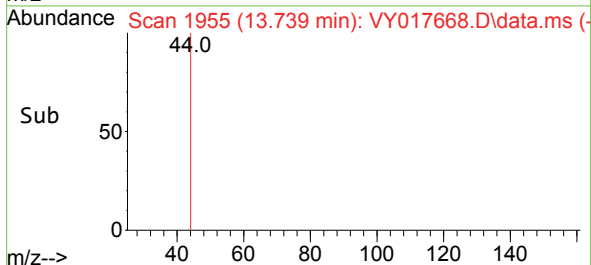
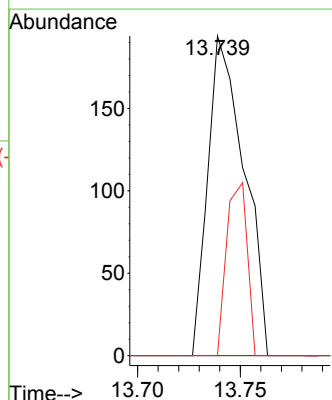
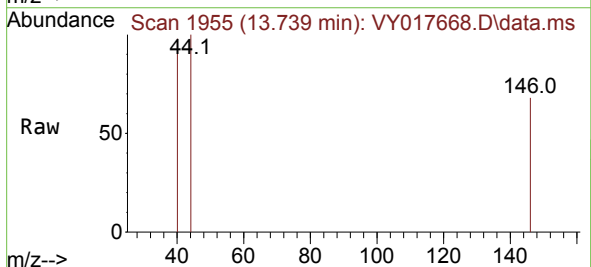
Tgt Ion:146 Resp: 239

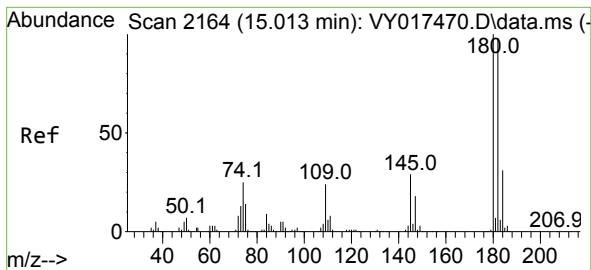
Ion Ratio Lower Upper

146 100

111 0.0 19.9 59.7#

148 30.5 31.8 95.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.916 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-031424

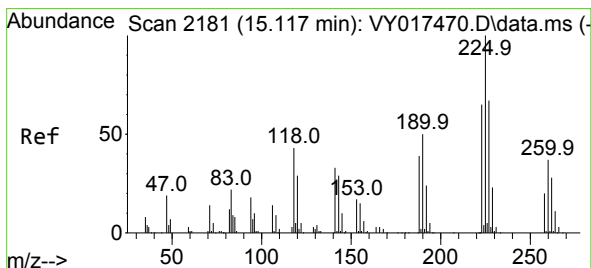
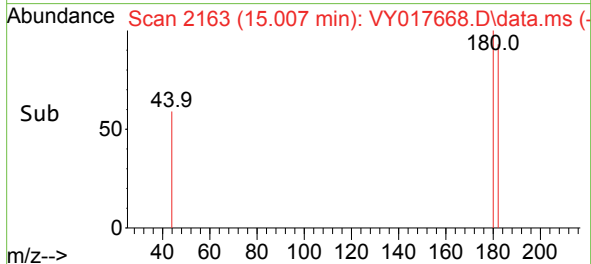
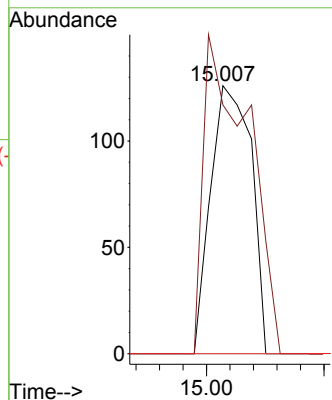
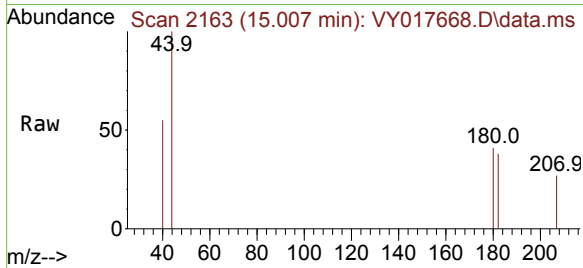
Tgt Ion:180 Resp: 151

Ion Ratio Lower Upper

180 100

182 131.8 47.9 143.8

145 0.0 14.2 42.6#



#94

Hexachlorobutadiene

Concen: 1.048 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.006 min

Lab File: VY017668.D

Acq: 15 Mar 2024 13:25

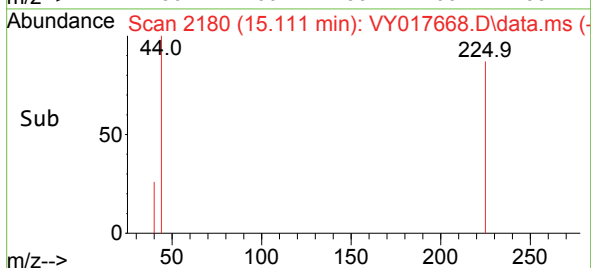
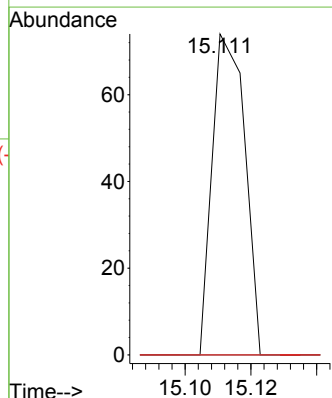
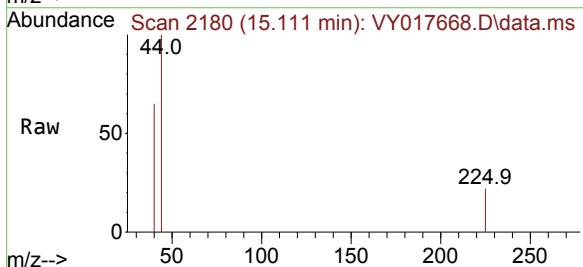
Tgt Ion:225 Resp: 51

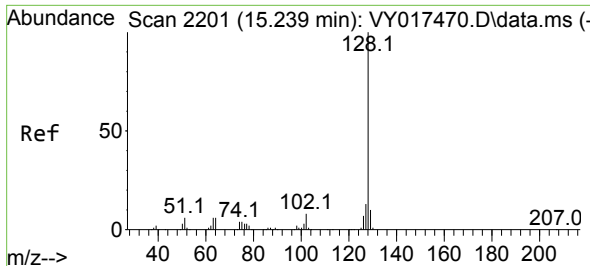
Ion Ratio Lower Upper

225 100

223 0.0 30.4 91.2#

227 0.0 31.9 95.9#

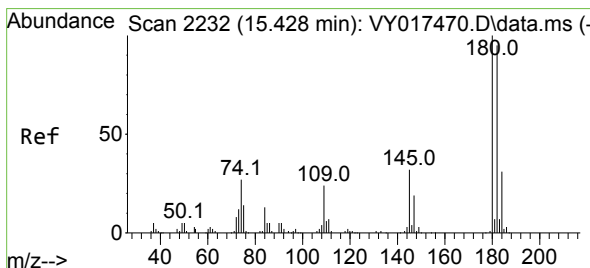
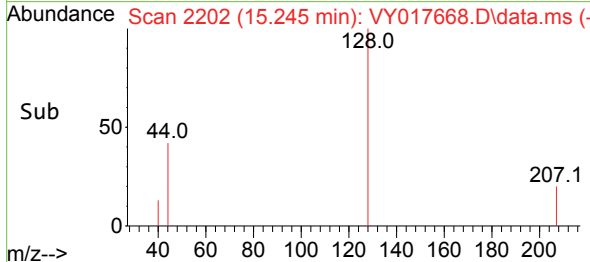
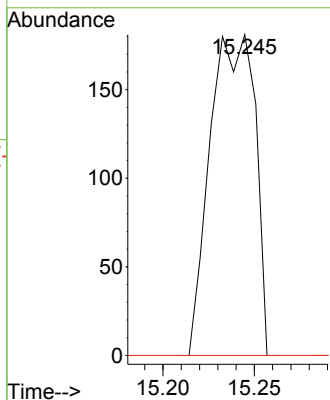
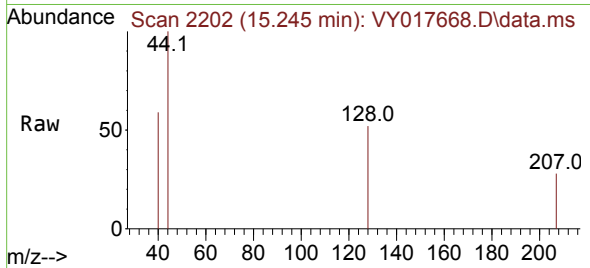




#95
Naphthalene
Concen: 5.791 ug/l
RT: 15.245 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-031424

Tgt Ion:128 Resp: 311
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.337 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY017668.D
Acq: 15 Mar 2024 13:25

Tgt Ion:180 Resp: 158
Ion Ratio Lower Upper
180 100
182 117.7 47.6 142.9
145 0.0 15.4 46.1#

