

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030824\
 Data File : VY017624.D
 Acq On : 08 Mar 2024 16:47
 Operator : SY/MD
 Sample : P1724-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 90

Quant Time: Mar 08 22:25:24 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)

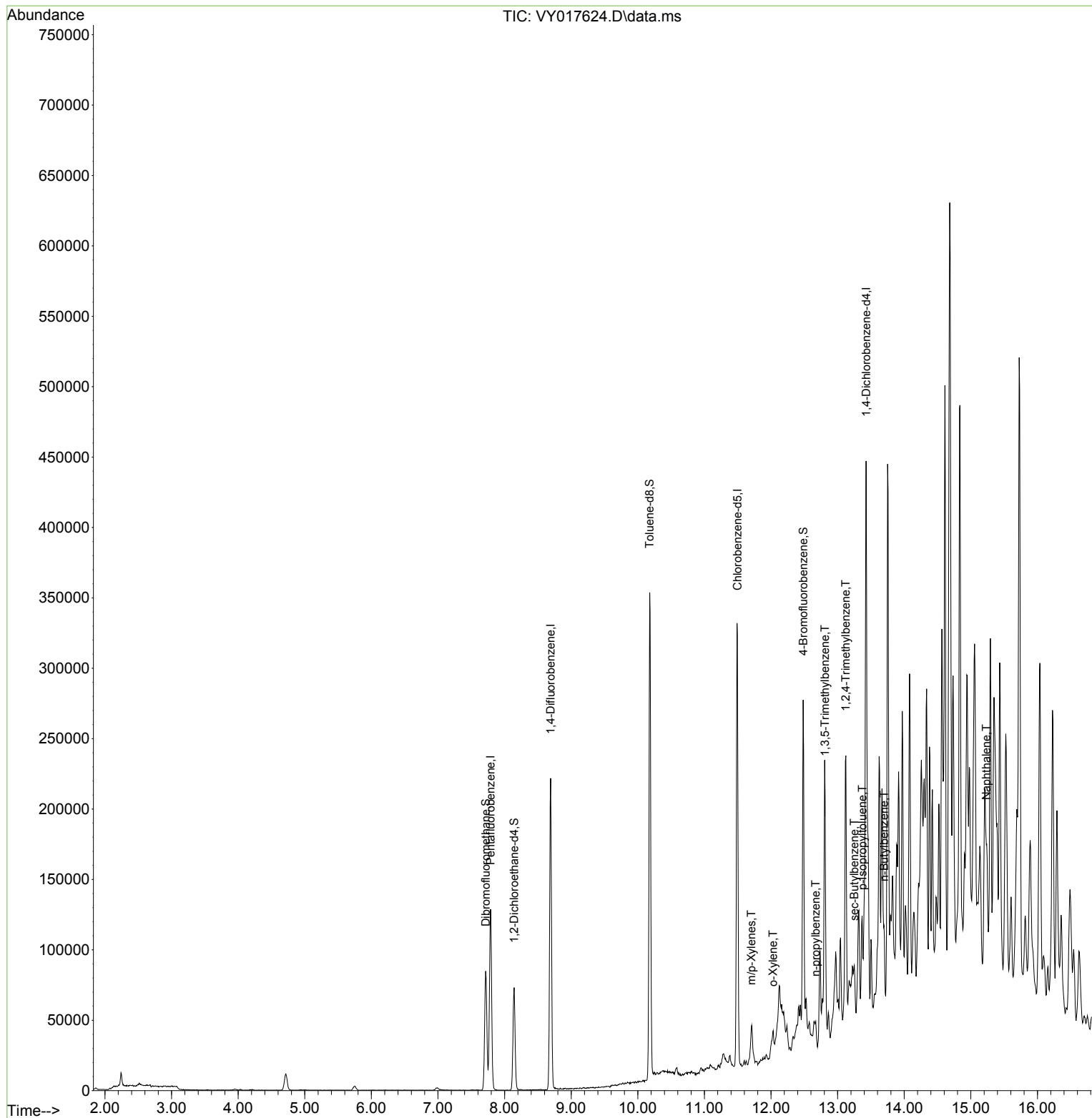
Internal Standards						
1) Pentafluorobenzene	7.789	168	104123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	195867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	176596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53930	54.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.715	113	60793	44.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.080%	
50) Toluene-d8	10.178	98	235445	49.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.483	95	68826	45.892	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.702	106	4560	1.765	ug/l	99
69) o-Xylene	12.032	106	4101	1.711	ug/l	98
78) n-propylbenzene	12.672	91	12720	1.915	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	23885	5.385	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	101629	23.209	ug/l	99
85) sec-Butylbenzene	13.251	105	12542	2.106	ug/l	82
86) p-Isopropyltoluene	13.373	119	8273	1.697	ug/l	91
89) n-Butylbenzene	13.696	91	22133	4.976	ug/l #	74
95) Naphthalene	15.232	128	37601	18.790	ug/l #	92

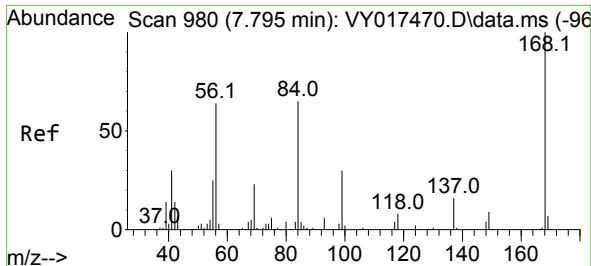
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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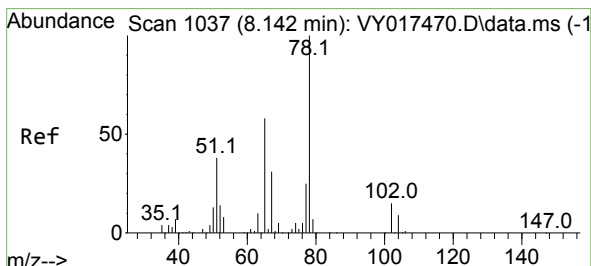
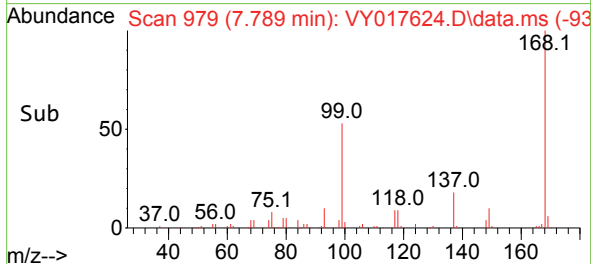
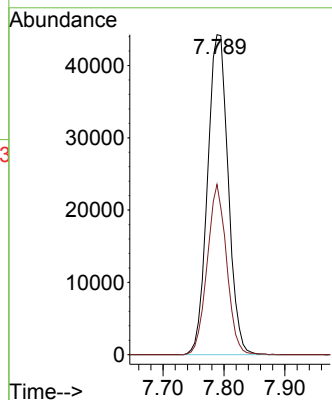
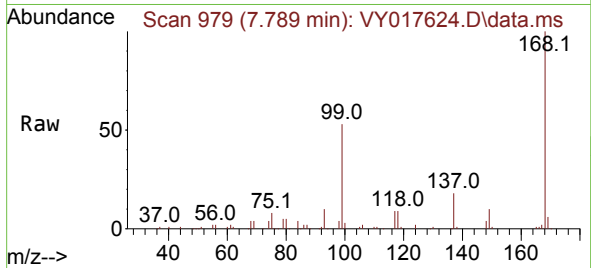




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

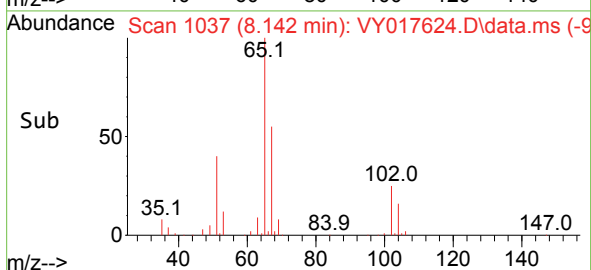
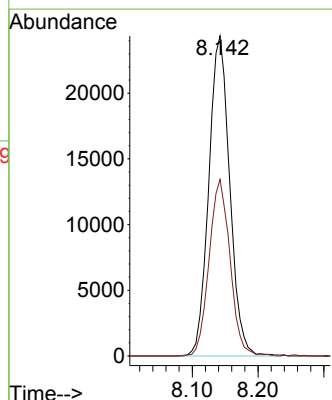
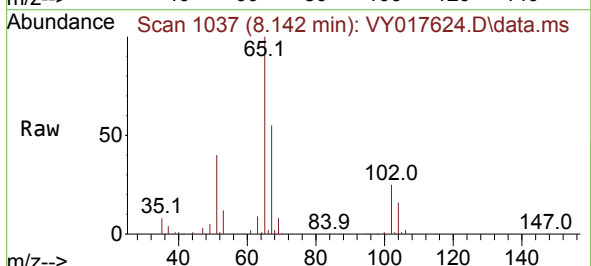
Instrument :
MSVOA_Y
ClientSampleId :
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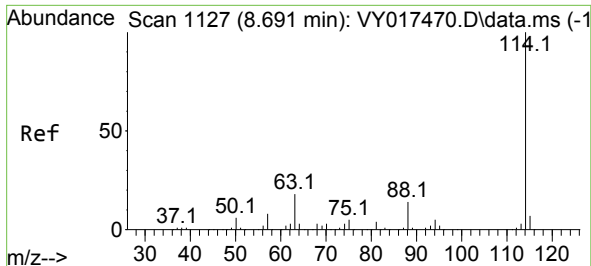
Tgt Ion:168 Resp: 104123
Ion Ratio Lower Upper
168 100
99 53.2 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 54.651 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Tgt Ion: 65 Resp: 53930
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017624.D

Acq: 08 Mar 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

90

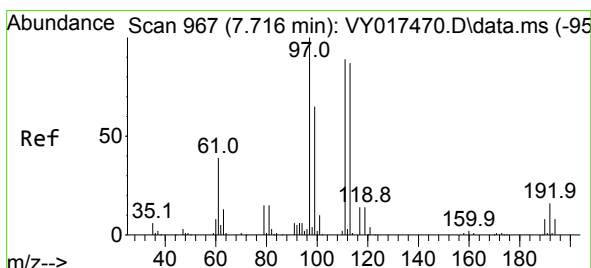
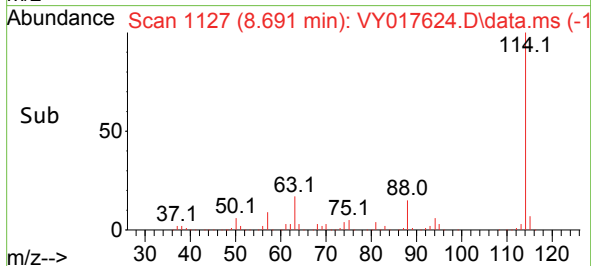
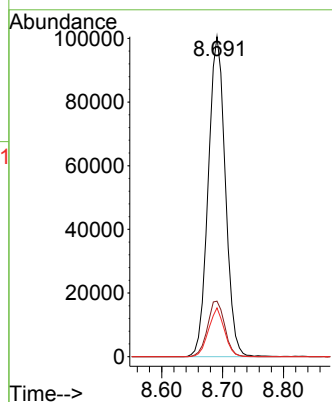
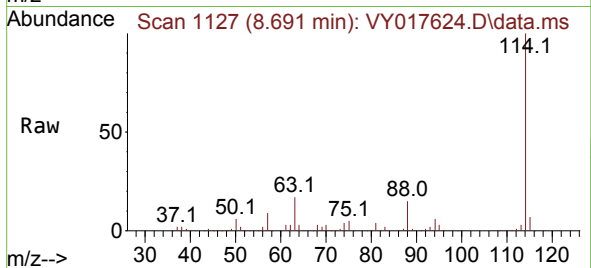
Tgt Ion:114 Resp: 195867

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 44.541 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY017624.D

Acq: 08 Mar 2024 16:47

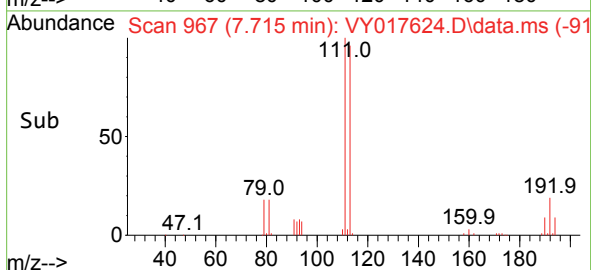
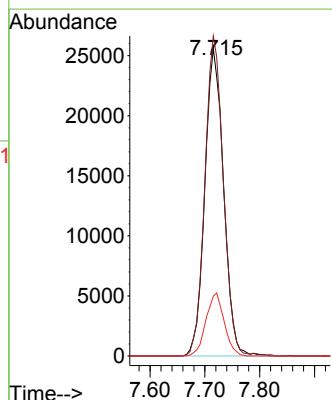
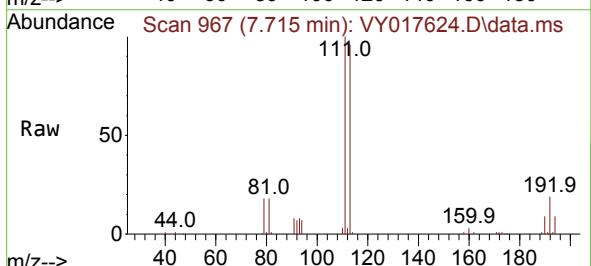
Tgt Ion:113 Resp: 60793

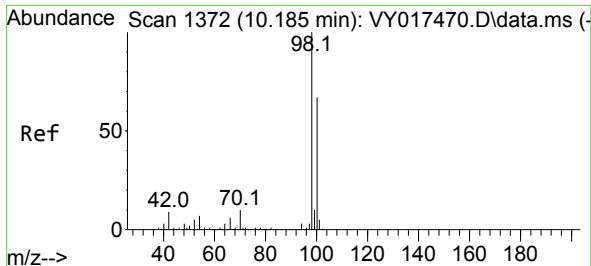
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.9 15.9 23.9

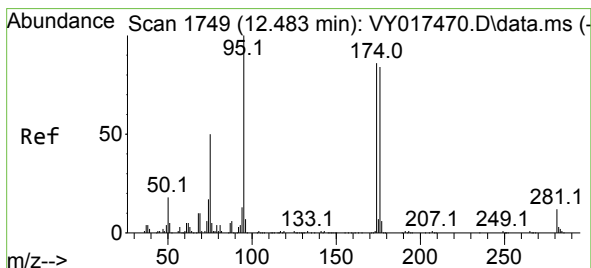
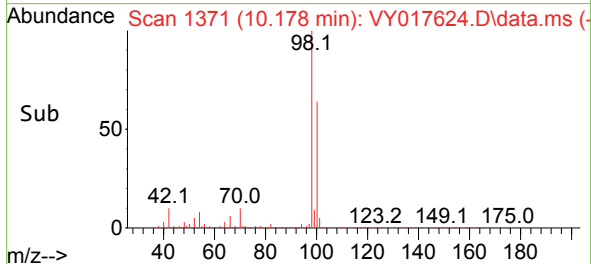
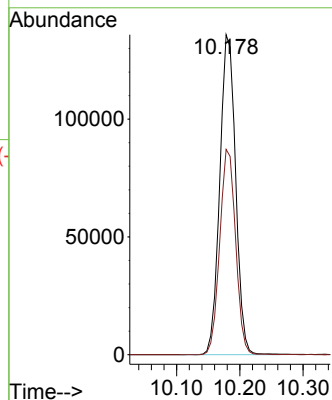
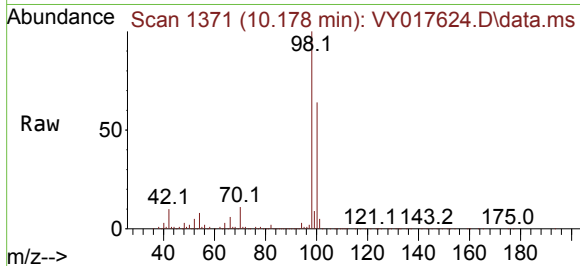




#50
Toluene-d8
Concen: 49.338 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

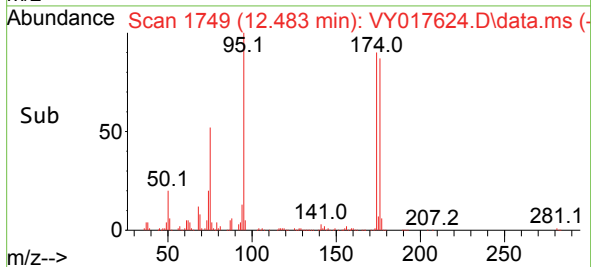
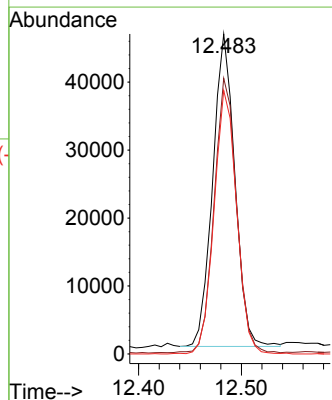
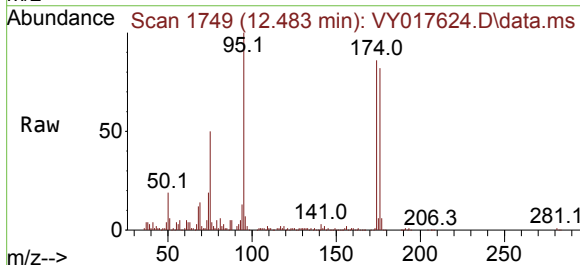
Instrument :
MSVOA_Y
ClientSampleId :
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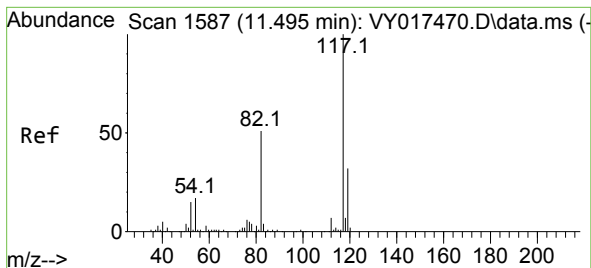
Tgt Ion: 98 Resp: 235445
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.892 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Tgt Ion: 95 Resp: 68826
Ion Ratio Lower Upper
95 100
174 89.2 0.0 175.6
176 86.2 0.0 171.4

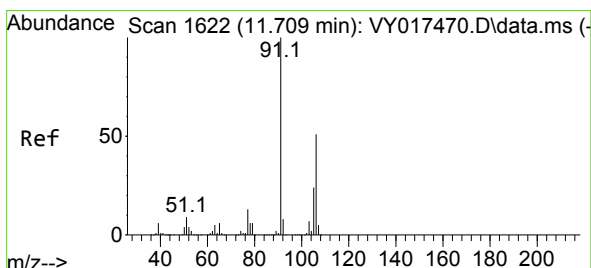
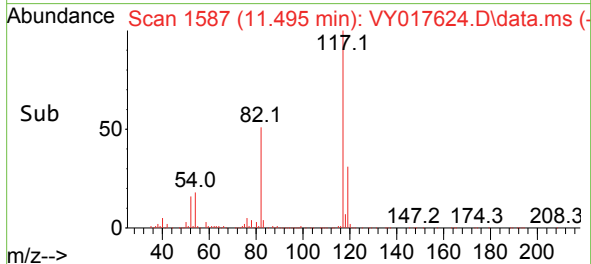
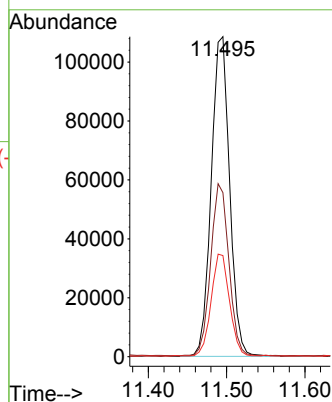
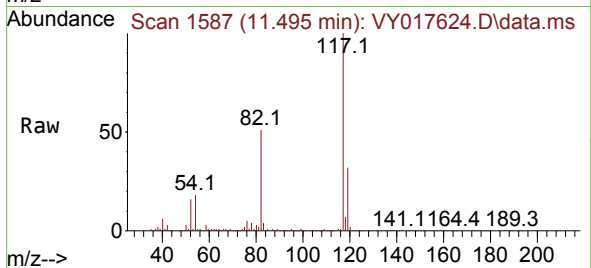




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

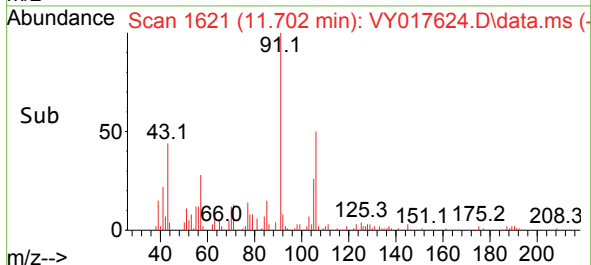
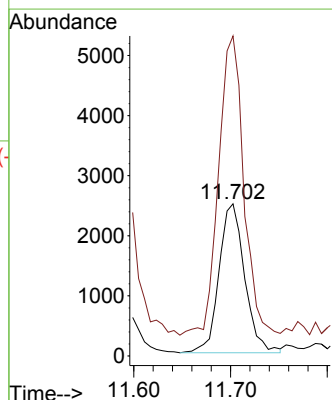
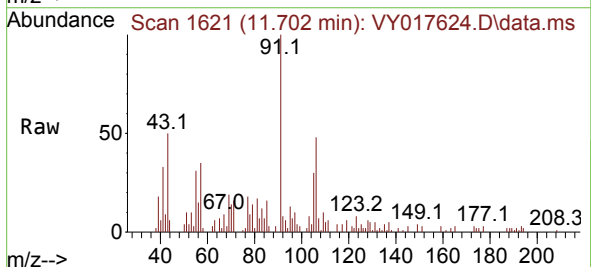
Instrument :
MSVOA_Y
ClientSampleId :
90

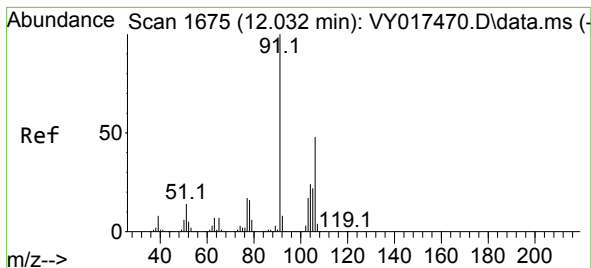
Tgt Ion:117 Resp: 176596
Ion Ratio Lower Upper
117 100
82 51.0 42.4 63.6
119 31.5 25.9 38.9



#68
m/p-Xylenes
Concen: 1.765 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Tgt Ion:106 Resp: 4560
Ion Ratio Lower Upper
106 100
91 196.6 156.0 234.0





#69

o-Xylene

Concen: 1.711 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY017624.D

Acq: 08 Mar 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

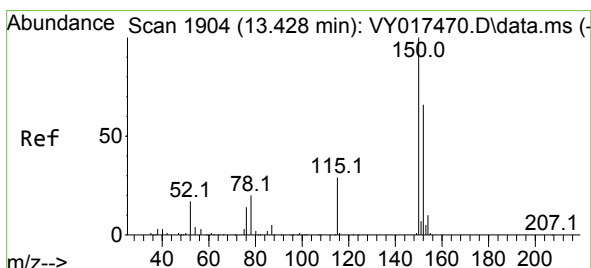
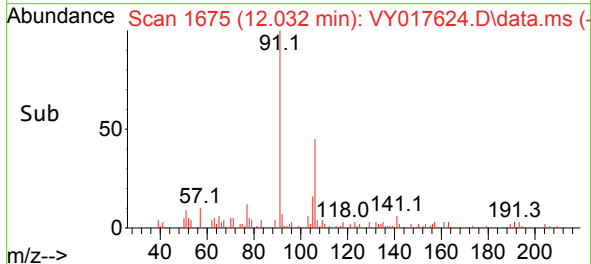
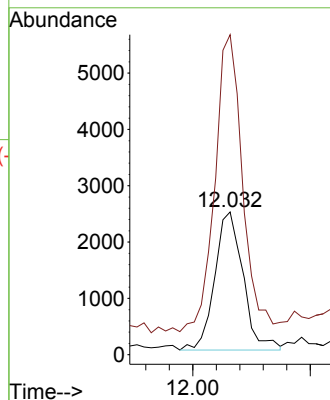
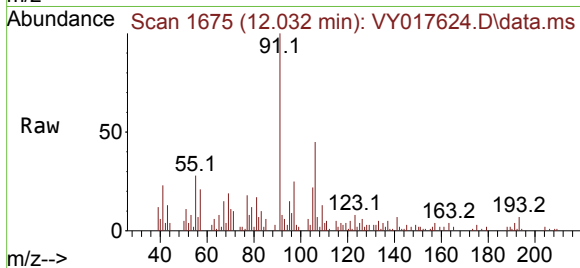
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Tgt Ion:106 Resp: 4101

Ion Ratio Lower Upper

106 100

91 210.4 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY017624.D

Acq: 08 Mar 2024 16:47

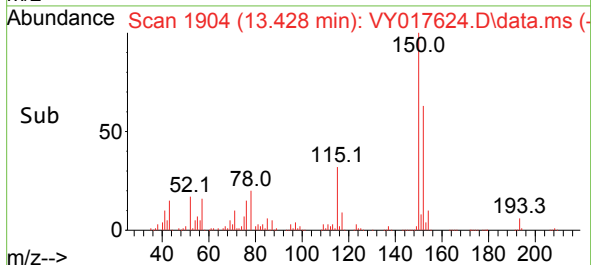
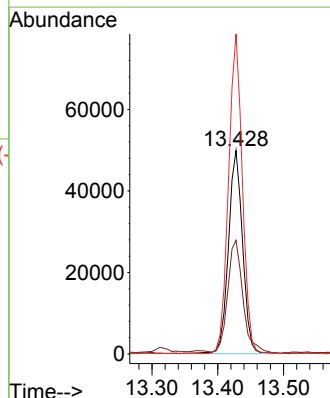
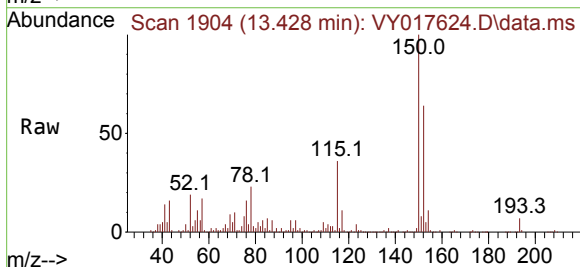
Tgt Ion:152 Resp: 74520

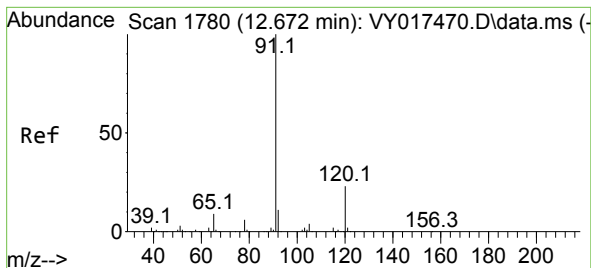
Ion Ratio Lower Upper

152 100

115 60.2 28.2 84.7

150 154.1 0.0 345.6





#78

n-propylbenzene

Concen: 1.915 ug/l

RT: 12.672 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017624.D

Acq: 08 Mar 2024 16:47

Instrument :

MSVOA_Y

ClientSampleId :

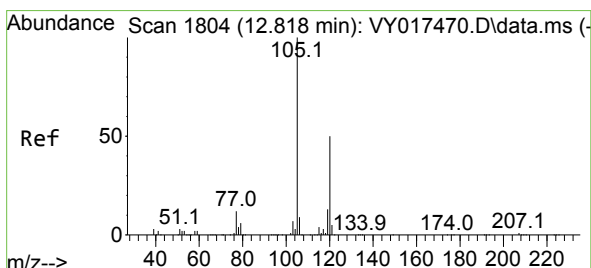
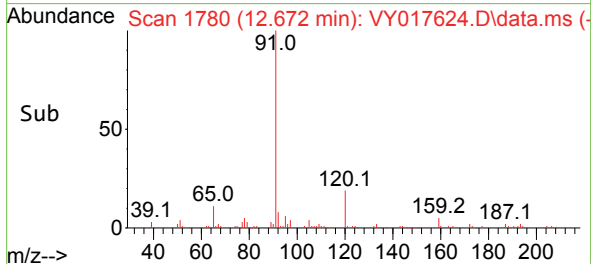
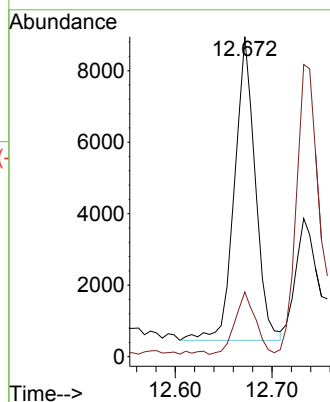
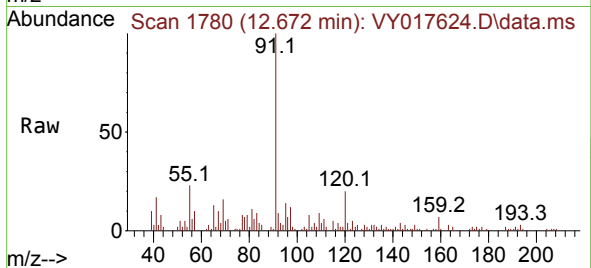
90

Tgt Ion: 91 Resp: 12720

Ion Ratio Lower Upper

91 100

120 20.3 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 5.385 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.006 min

Lab File: VY017624.D

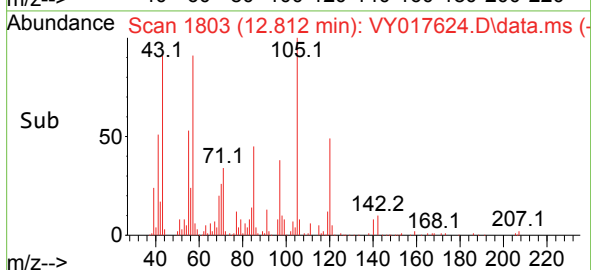
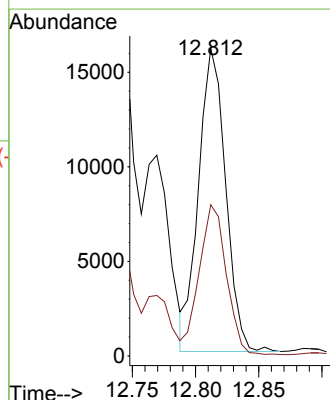
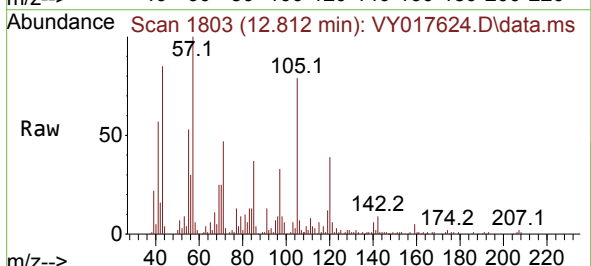
Acq: 08 Mar 2024 16:47

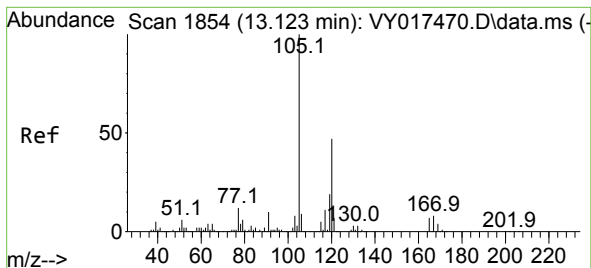
Tgt Ion:105 Resp: 23885

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2

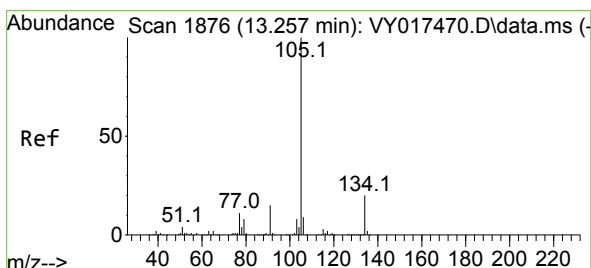
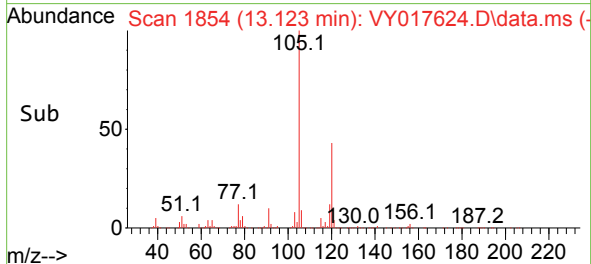
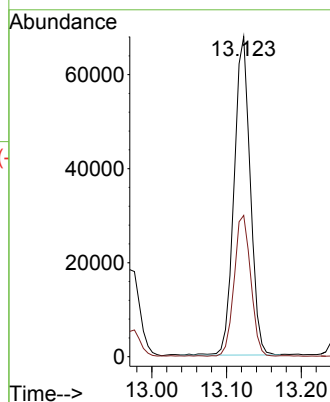
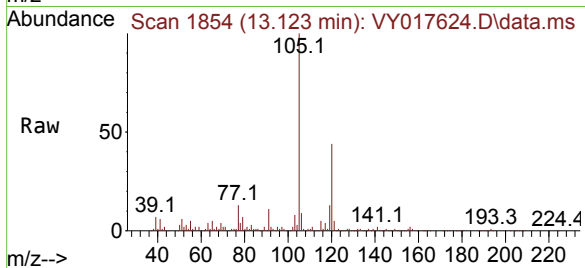




#84
1,2,4-Trimethylbenzene
Concen: 23.209 ug/l
RT: 13.123 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

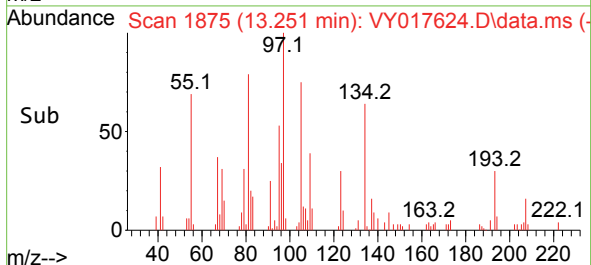
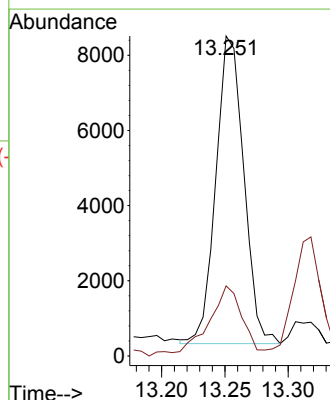
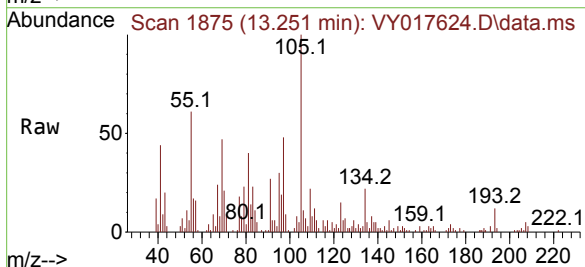
Instrument :
MSVOA_Y
ClientSampleId :
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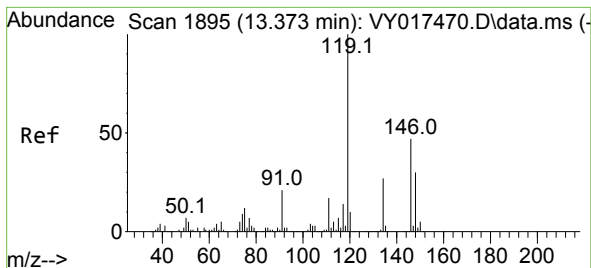
Tgt Ion:105 Resp: 101629
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.6



#85
sec-Butylbenzene
Concen: 2.106 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Tgt Ion:105 Resp: 12542
Ion Ratio Lower Upper
105 100
134 28.4 10.1 30.1

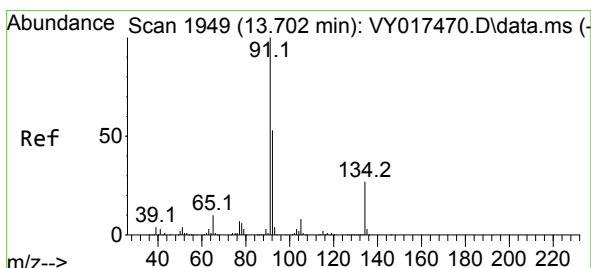
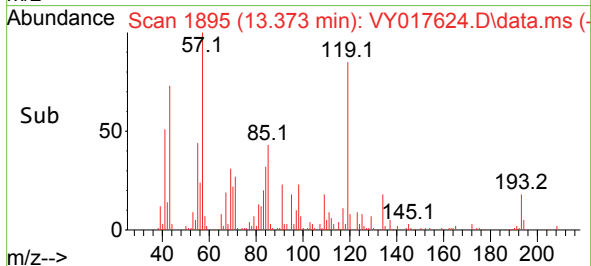
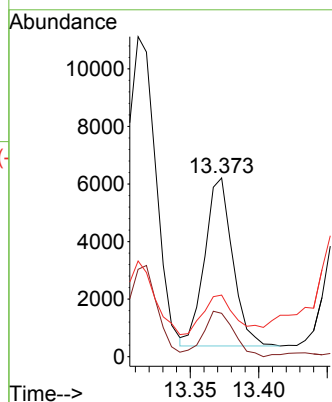
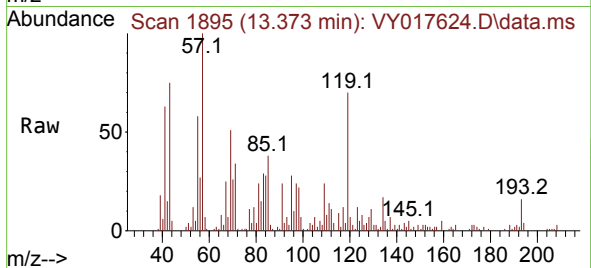




#86
p-Isopropyltoluene
Concen: 1.697 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

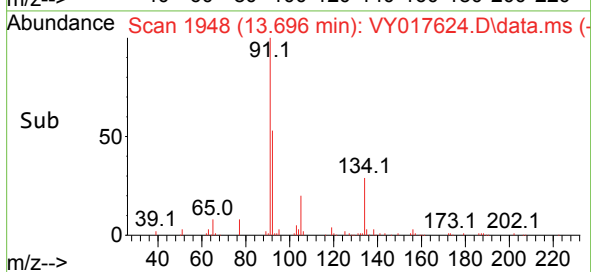
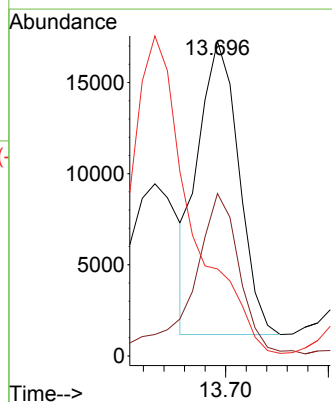
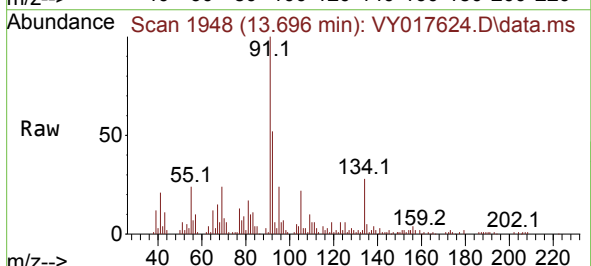
Instrument :
MSVOA_Y
ClientSampleId :
90

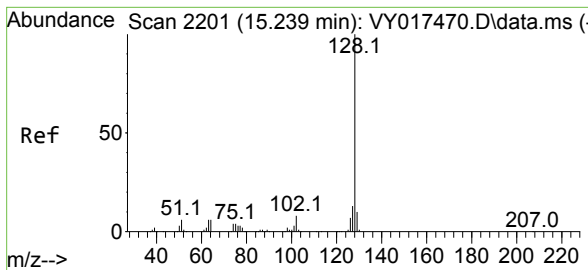
Tgt Ion:	119	Resp:	8273
Ion	Ratio	Lower	Upper
119	100		
134	29.5	13.1	39.3
91	27.5	10.7	32.1



#89
n-Butylbenzene
Concen: 4.976 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Tgt Ion:	91	Resp:	22133
Ion	Ratio	Lower	Upper
91	100		
92	62.5	26.6	79.7
134	0.0	12.9	38.7#





#95
Naphthalene
Concen: 18.790 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: VY017624.D
Acq: 08 Mar 2024 16:47

Instrument :
MSVOA_Y
ClientSampleId :
90

Tgt Ion:128	Resp:	37601
Ion Ratio	Lower	Upper
128	100	
127	15.3	10.6 16.0
129	15.3	8.6 13.0#

