

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112122\  
 Data File : VN075353.D  
 Acq On : 21 Nov 2022 19:53  
 Operator : JC\MD  
 Sample : N5665-01 40X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COSTAL-DRUM-2DL

Quant Time: Nov 22 08:21:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 08:17:11 2022  
 Response via : Initial Calibration

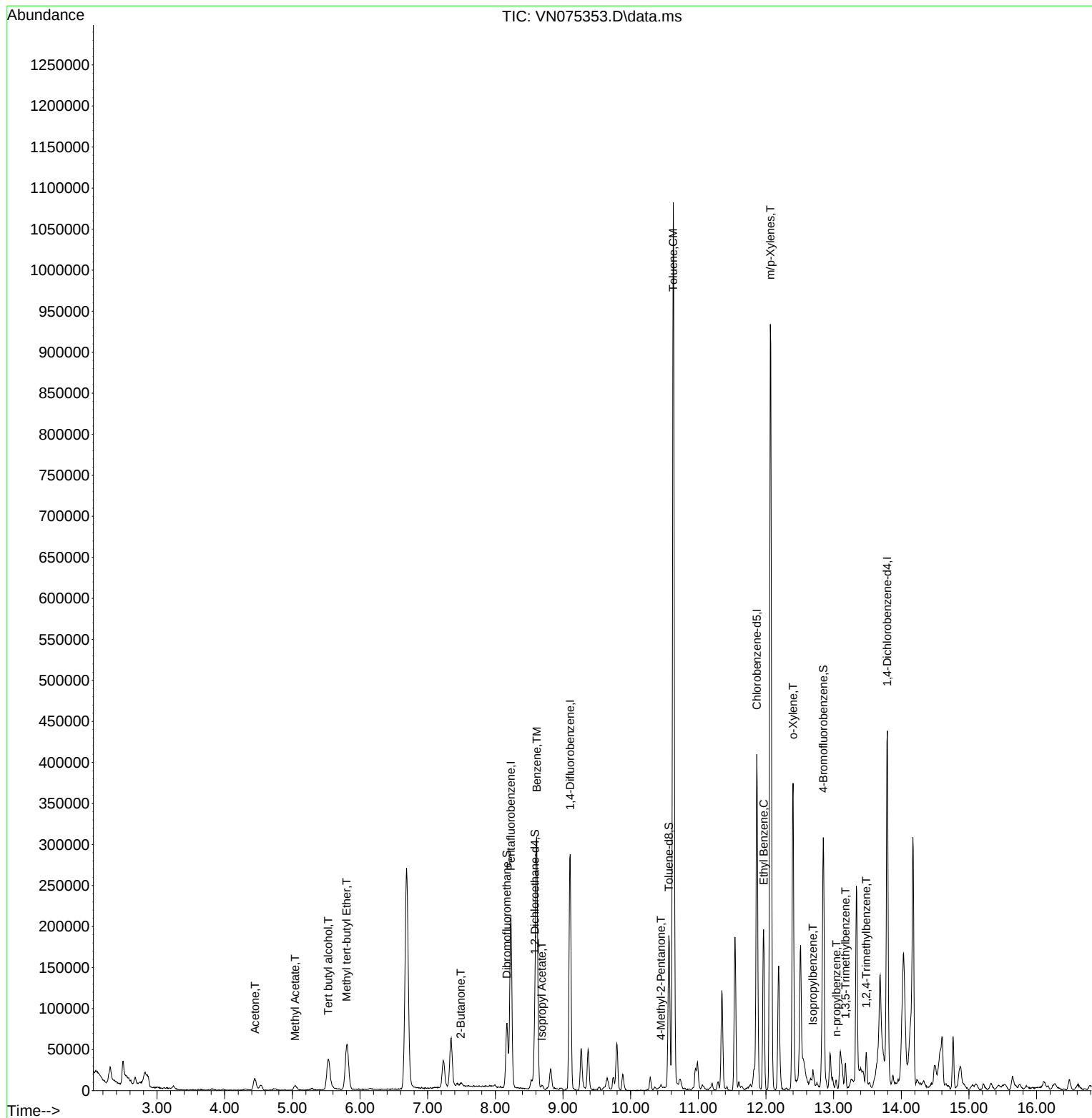
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 163124   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 273261   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 247421   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 120533   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 45616    | 52.095   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.200% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 57181    | 53.268   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 106.540% |          |
| 50) Toluene-d8              | 10.565 | 98    | 127093   | 52.567   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 105.140% |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 97134    | 54.431   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 108.860% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol      | 5.530  | 59    | 72231    | 196.505  | ug/l #     | 84       |
| 16) Acetone                 | 4.448  | 43    | 27633    | 33.833   | ug/l       | 96       |
| 18) Methyl Acetate          | 5.042  | 43    | 10944    | 4.127    | ug/l       | 97       |
| 19) Methyl tert-butyl Ether | 5.801  | 73    | 100720   | 18.822   | ug/l       | 99       |
| 25) 2-Butanone              | 7.489  | 43    | 6659     | 5.840    | ug/l       | 94       |
| 40) Benzene                 | 8.612  | 78    | 320495   | 44.716   | ug/l       | 100      |
| 43) Isopropyl Acetate       | 8.689  | 43    | 4897     | 1.447    | ug/l #     | 87       |
| 51) 4-Methyl-2-Pentanone    | 10.447 | 43    | 2423     | 1.124    | ug/l       | 99       |
| 52) Toluene                 | 10.630 | 92    | 505894   | 109.532  | ug/l       | 100      |
| 67) Ethyl Benzene           | 11.965 | 91    | 148537   | 17.039   | ug/l       | 96       |
| 68) m/p-Xylenes             | 12.065 | 106   | 316846   | 89.504   | ug/l       | 99       |
| 69) o-Xylene                | 12.400 | 106   | 109920   | 31.252   | ug/l       | 100      |
| 73) Isopropylbenzene        | 12.694 | 105   | 12070    | 1.371    | ug/l       | 99       |
| 78) n-propylbenzene         | 13.041 | 91    | 9147     | 0.931    | ug/l       | 96       |
| 80) 1,3,5-Trimethylbenzene  | 13.177 | 105   | 17807    | 2.434    | ug/l       | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 24280    | 3.309    | ug/l       | 98       |
| -----                       |        |       |          |          |            |          |

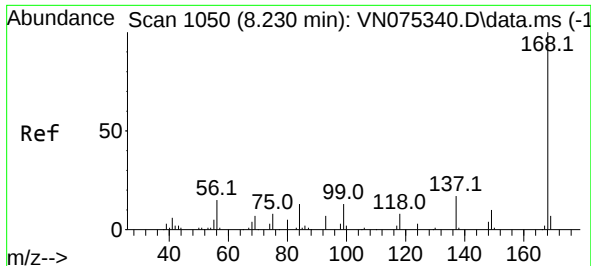
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112122\  
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Acq On : 21 Nov 2022 19:53  
Operator : JC\MD  
Sample : N5665-01 40X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
COSTAL-DRUM-2DL

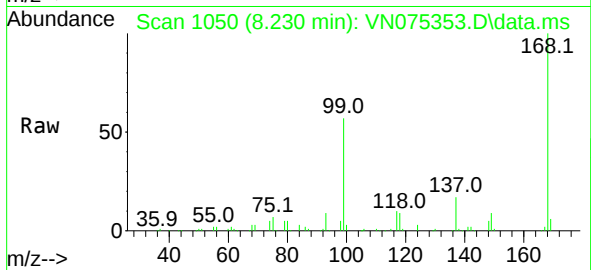
Quant Time: Nov 22 08:21:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 08:17:11 2022  
Response via : Initial Calibration



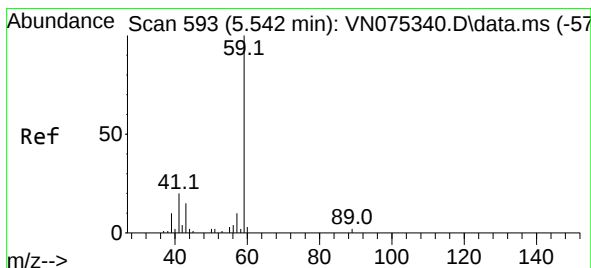
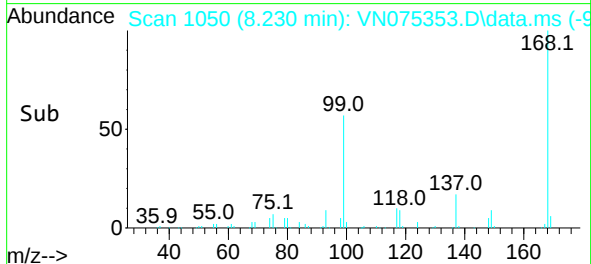
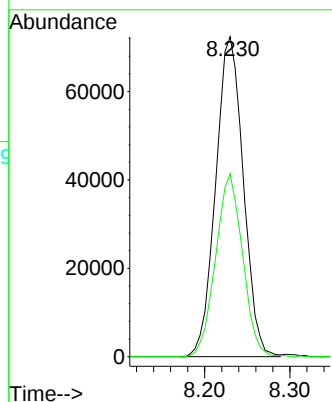


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
COSTAL-DRUM-2DL

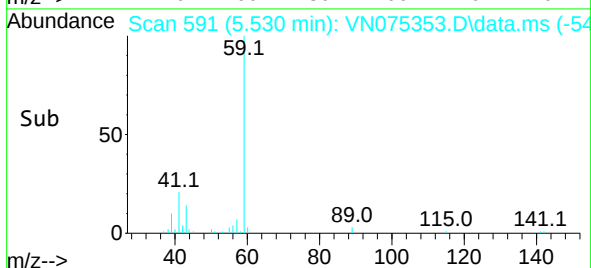
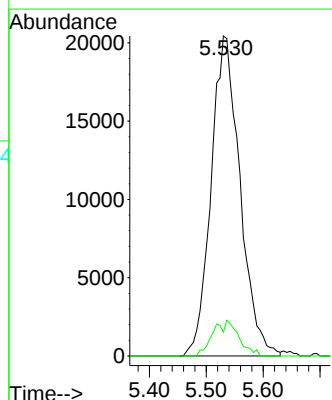
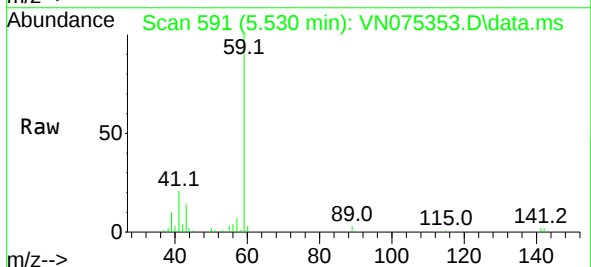


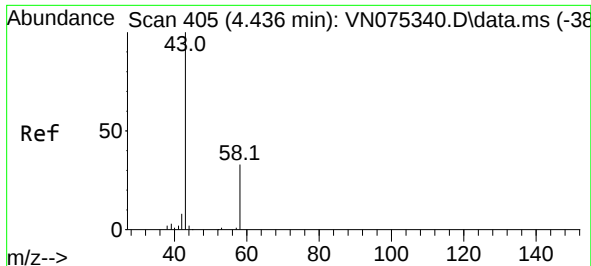
Tgt Ion:168 Resp: 163124  
Ion Ratio Lower Upper  
168 100  
99 57.1 51.6 77.4



#11  
Tert butyl alcohol  
Concen: 196.505 ug/l  
RT: 5.530 min Scan# 591  
Delta R.T. -0.012 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 59 Resp: 72231  
Ion Ratio Lower Upper  
59 100  
57 4.7 8.5 12.7#





#16

Acetone

Concen: 33.833 ug/l

RT: 4.448 min Scan# 407

Delta R.T. 0.012 min

Lab File: VN075353.D

Acq: 21 Nov 2022 19:53

Instrument :

MSVOA\_N

ClientSampleId :

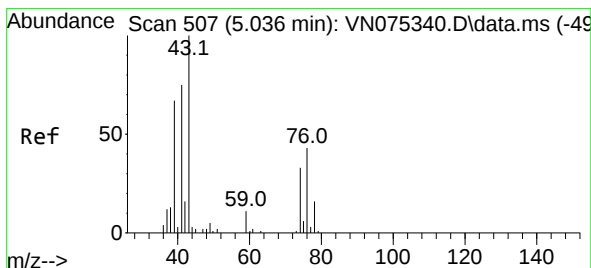
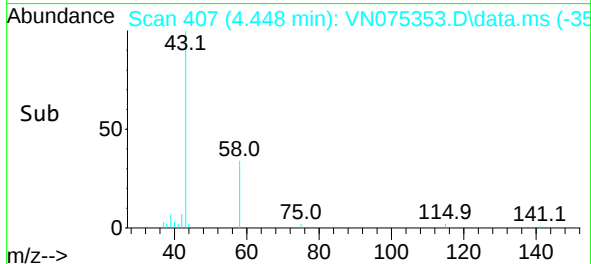
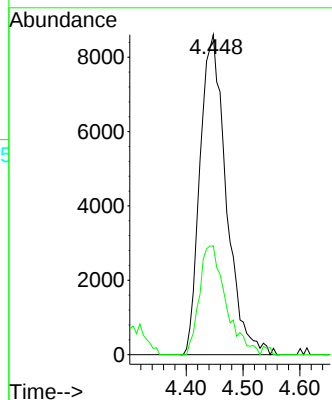
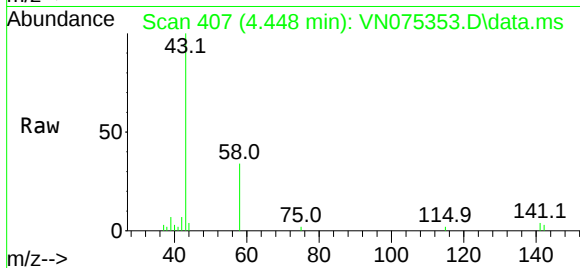
COSTAL-DRUM-2DL

Tgt Ion: 43 Resp: 27633

Ion Ratio Lower Upper

43 100

58 34.0 25.5 38.3



#18

Methyl Acetate

Concen: 4.127 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN075353.D

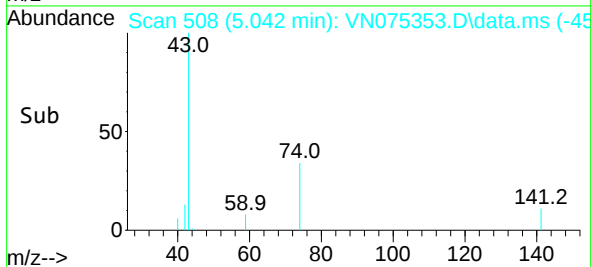
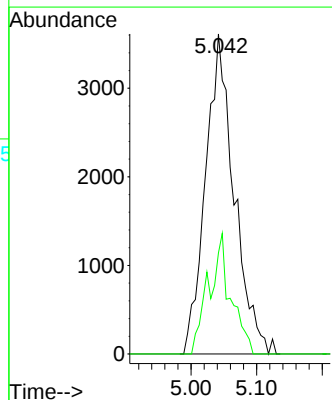
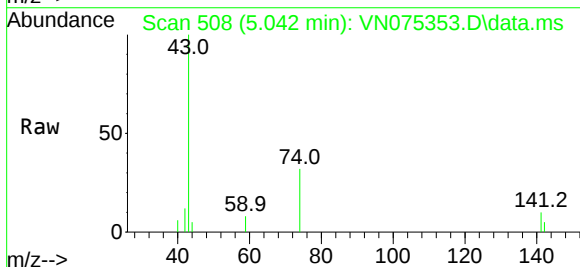
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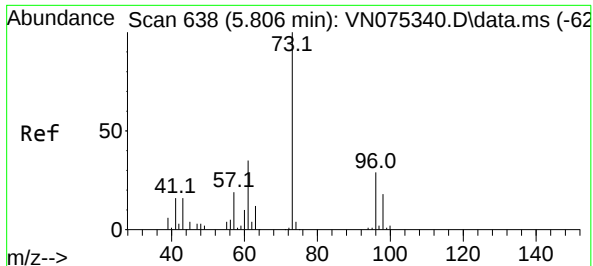
Tgt Ion: 43 Resp: 10944

Ion Ratio Lower Upper

43 100

74 29.2 22.0 33.0

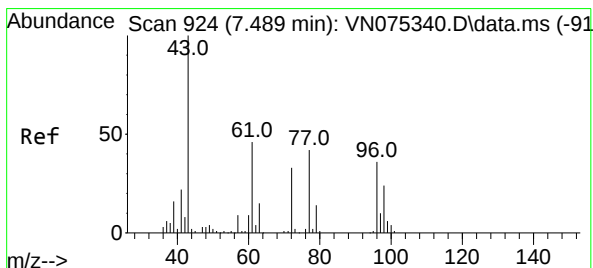
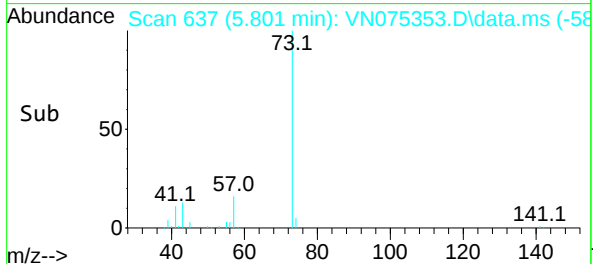
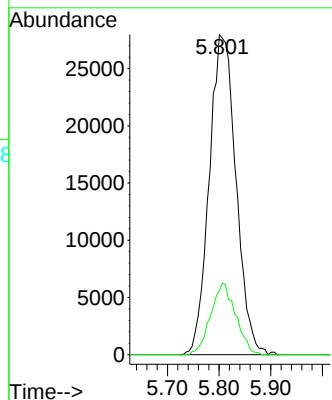
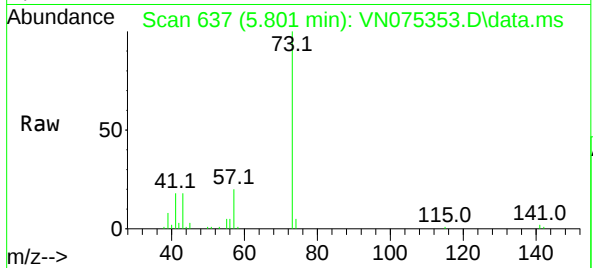




#19  
Methyl tert-butyl Ether  
Concen: 18.822 ug/l  
RT: 5.801 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

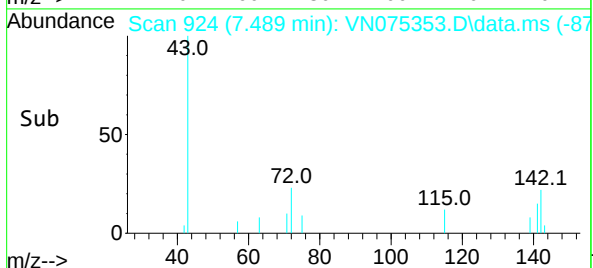
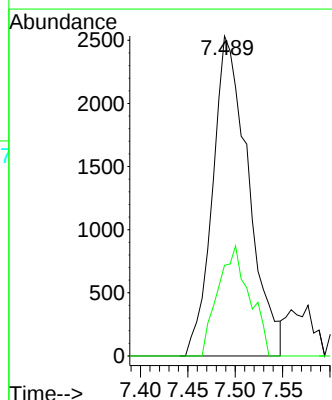
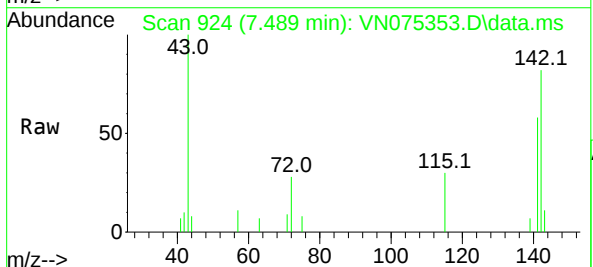
Instrument :  
MSVOA\_N  
ClientSampleId :  
COSTAL-DRUM-2DL

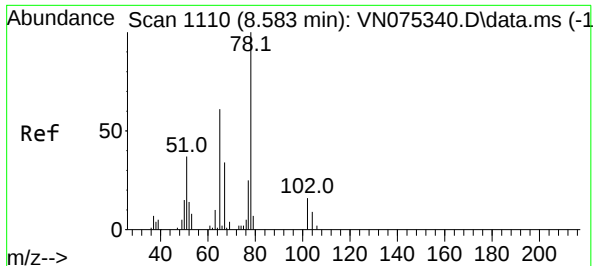
Tgt Ion: 73 Resp: 100720  
Ion Ratio Lower Upper  
73 100  
57 20.1 16.3 24.5



#25  
2-Butanone  
Concen: 5.840 ug/l  
RT: 7.489 min Scan# 924  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 43 Resp: 6659  
Ion Ratio Lower Upper  
43 100  
72 28.4 25.5 38.3





#33

1,2-Dichloroethane-d4

Concen: 52.095 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075353.D

Acq: 21 Nov 2022 19:53

Instrument :

MSVOA\_N

ClientSampleId :

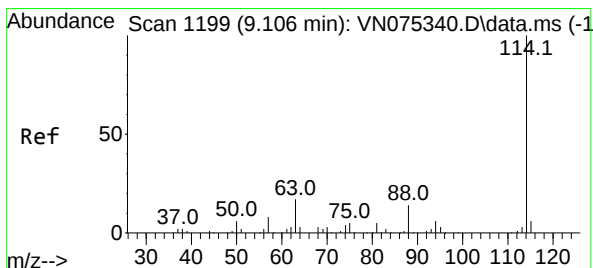
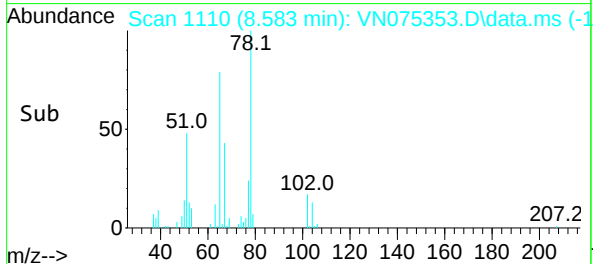
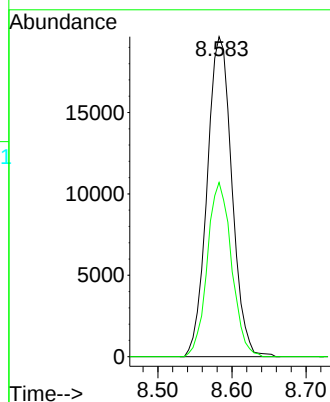
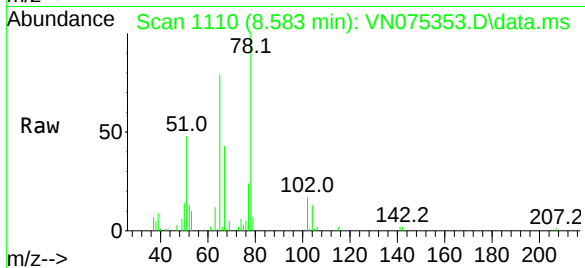
COSTAL-DRUM-2DL

Tgt Ion: 65 Resp: 45616

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075353.D

Acq: 21 Nov 2022 19:53

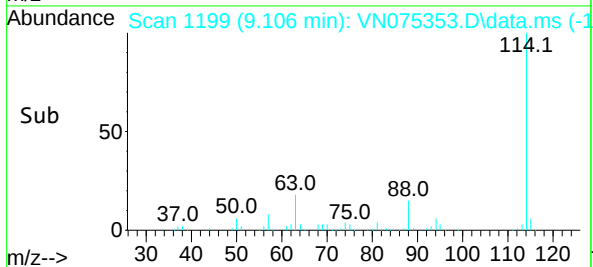
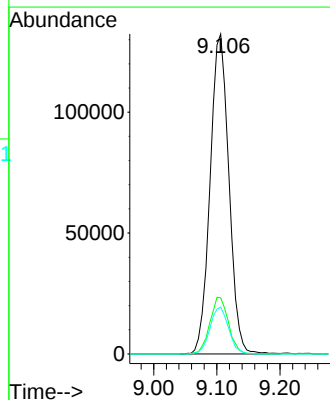
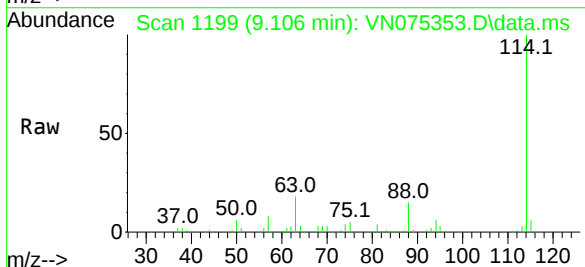
Tgt Ion: 114 Resp: 273261

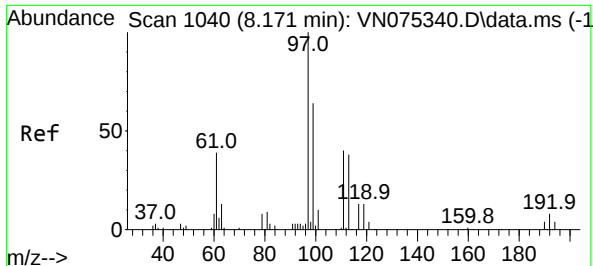
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

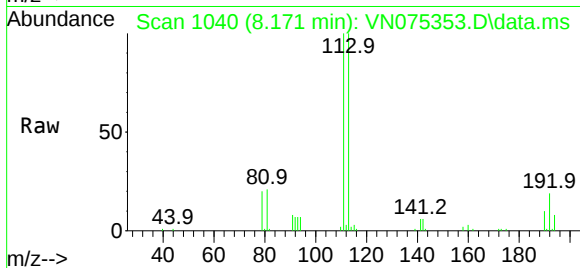
88 14.7 0.0 29.0



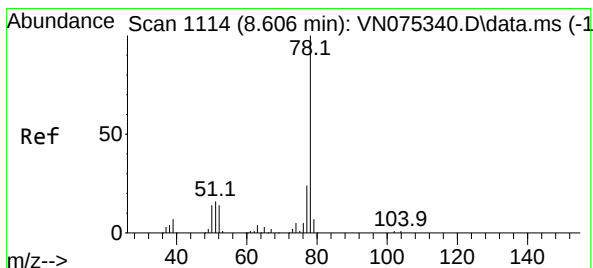
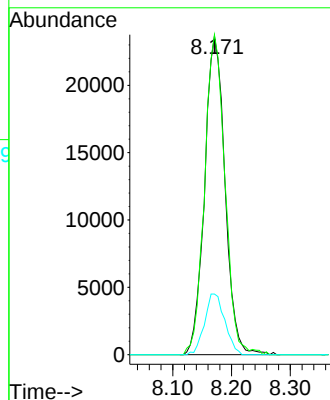
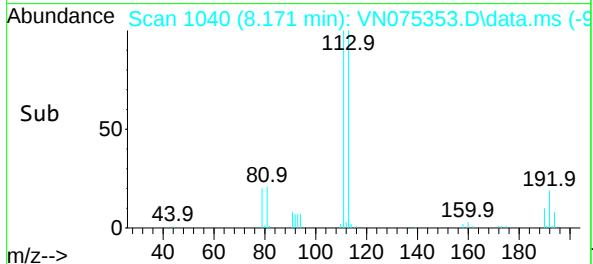


#35  
Dibromofluoromethane  
Concen: 53.268 ug/l  
RT: 8.171 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Instrument :  
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ClientSampleId :  
COSTAL-DRUM-2DL

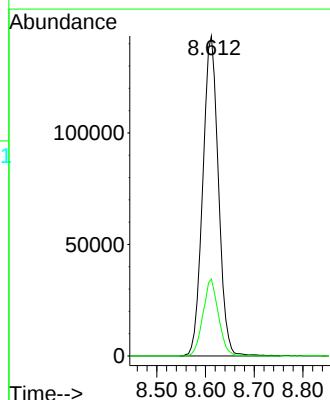
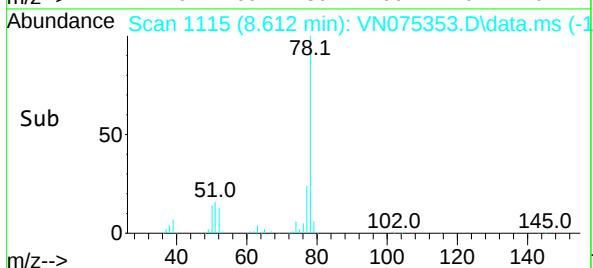
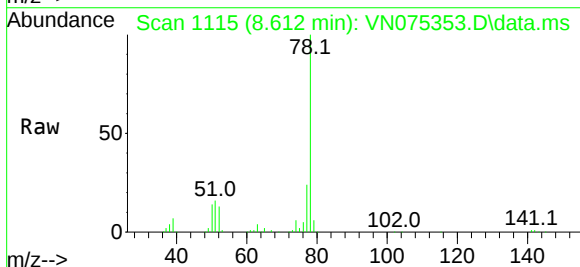


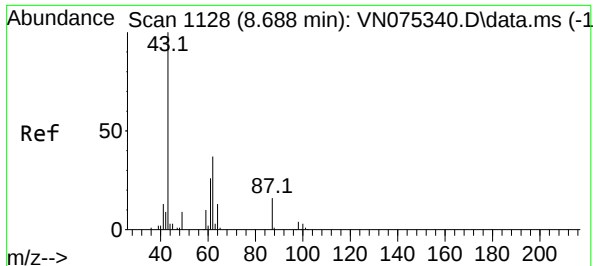
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Ion Ratio Lower Upper  
113 100  
111 100.3 80.5 120.7  
192 18.9 13.2 19.8



#40  
Benzene  
Concen: 44.716 ug/l  
RT: 8.612 min Scan# 1115  
Delta R.T. 0.006 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 78 Resp: 320495  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.4 29.0

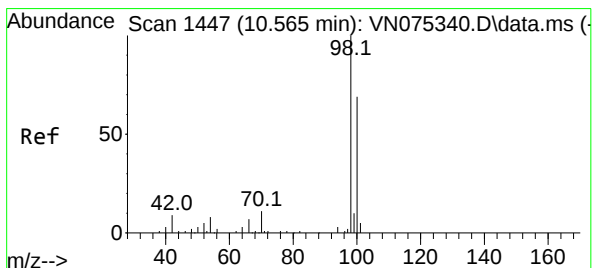
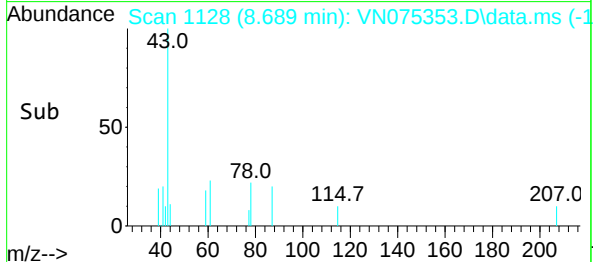
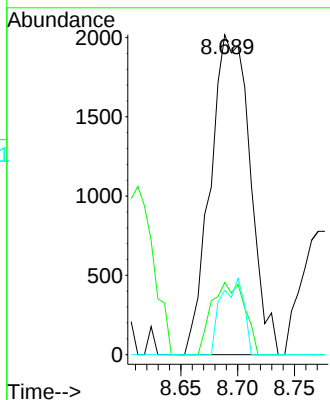
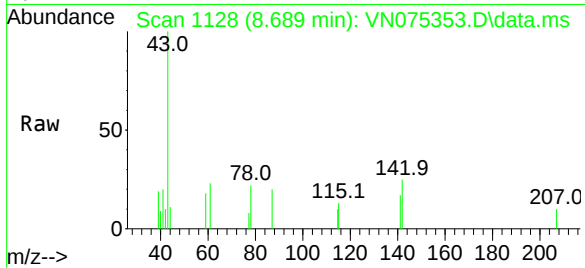




#43  
Isopropyl Acetate  
Concen: 1.447 ug/l  
RT: 8.689 min Scan# 1128  
Delta R.T. 0.001 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

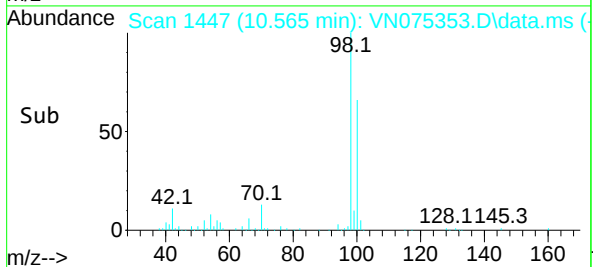
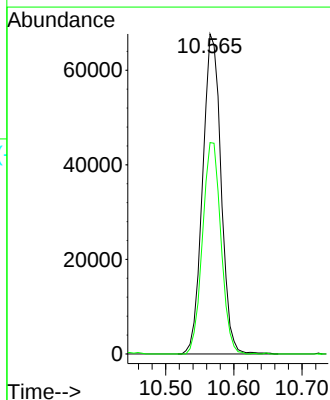
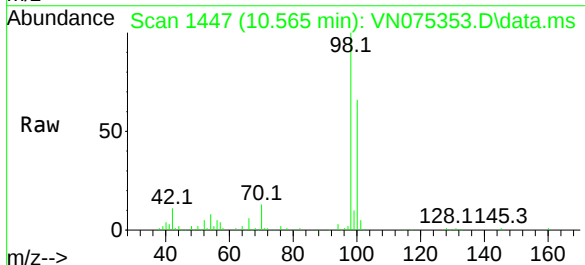
Instrument :  
MSVOA\_N  
ClientSampleId :  
COSTAL-DRUM-2DL

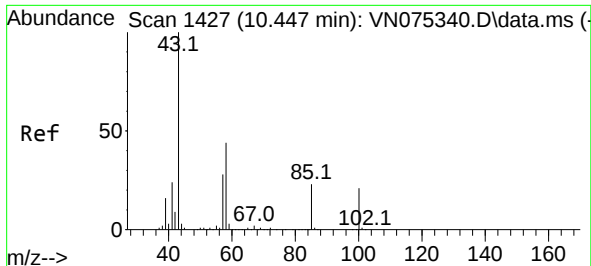
Tgt Ion: 43 Resp: 4897  
Ion Ratio Lower Upper  
43 100  
61 18.9 22.4 33.6#  
87 13.6 12.5 18.7



#50  
Toluene-d8  
Concen: 52.567 ug/l  
RT: 10.565 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 98 Resp: 127093  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.0 79.6

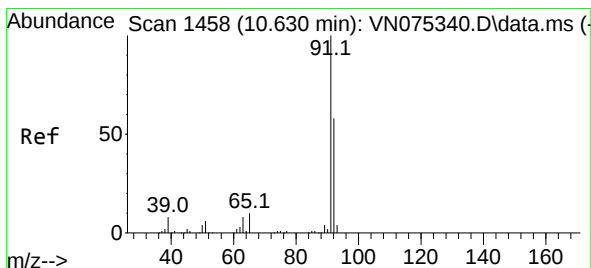
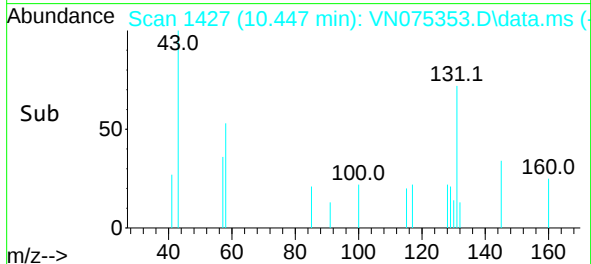
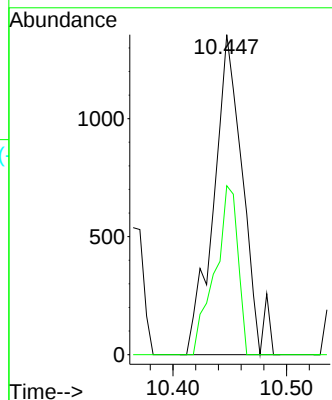
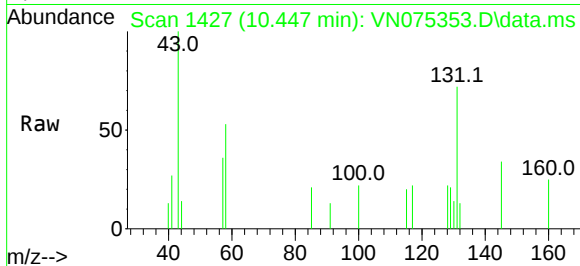




#51  
4-Methyl-2-Pentanone  
Concen: 1.124 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

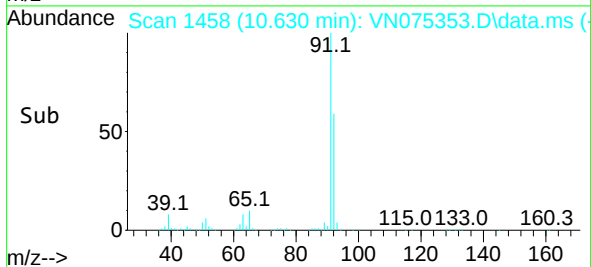
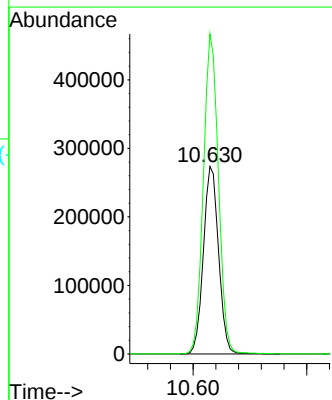
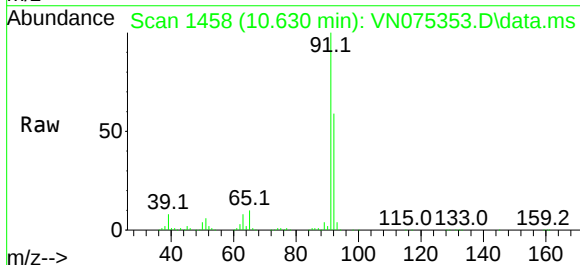
Instrument :  
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ClientSampleId :  
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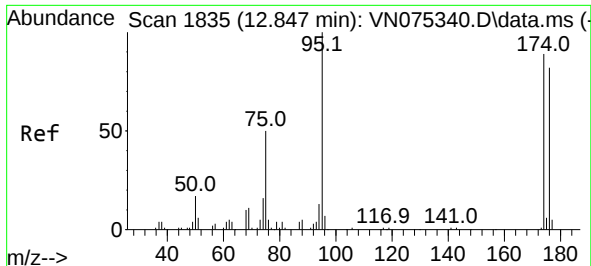
Tgt Ion: 43 Resp: 2423  
Ion Ratio Lower Upper  
43 100  
58 41.4 33.6 50.4



#52  
Toluene  
Concen: 109.532 ug/l  
RT: 10.630 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 92 Resp: 505894  
Ion Ratio Lower Upper  
92 100  
91 168.9 135.4 203.2

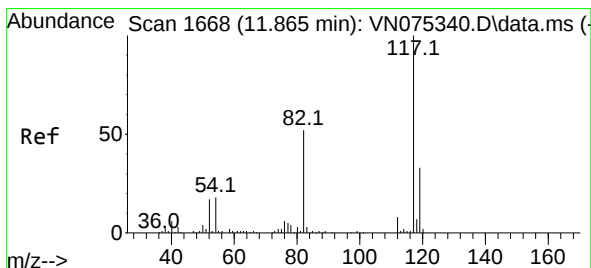
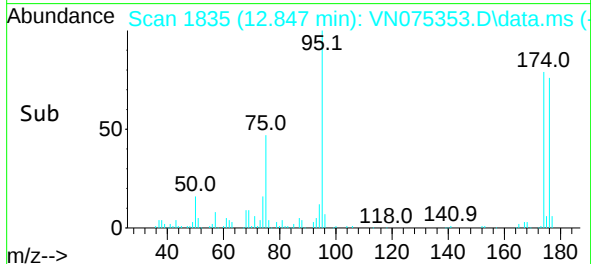
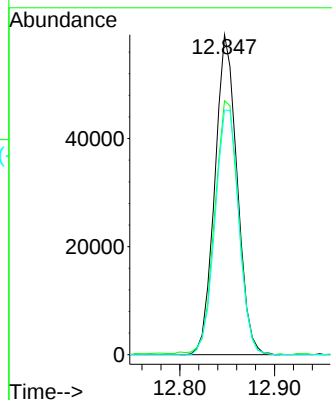
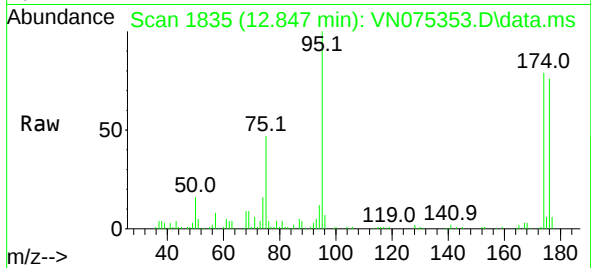




#62  
4-Bromofluorobenzene  
Concen: 54.431 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

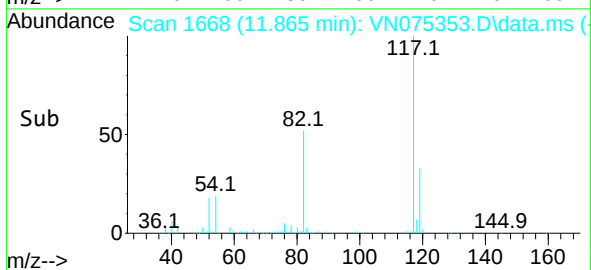
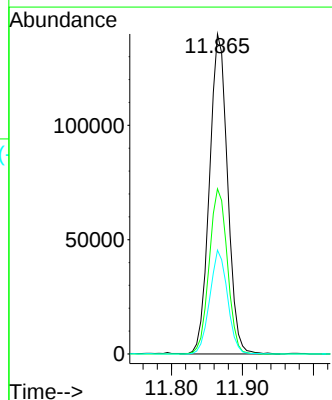
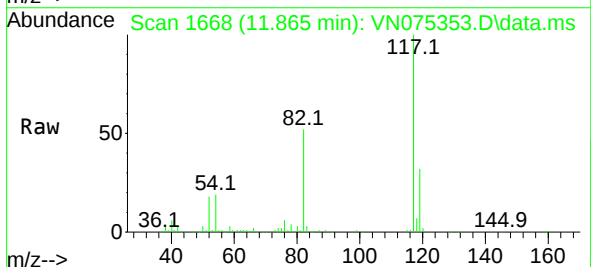
Instrument :  
MSVOA\_N  
ClientSampleId :  
COSTAL-DRUM-2DL

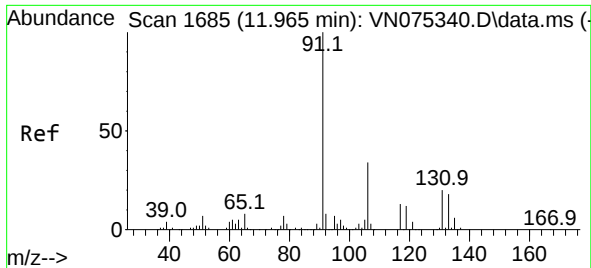
Tgt Ion: 95 Resp: 97134  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 147.4  
176 81.8 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 117 Resp: 247421  
Ion Ratio Lower Upper  
117 100  
82 51.6 43.1 64.7  
119 32.4 25.5 38.3

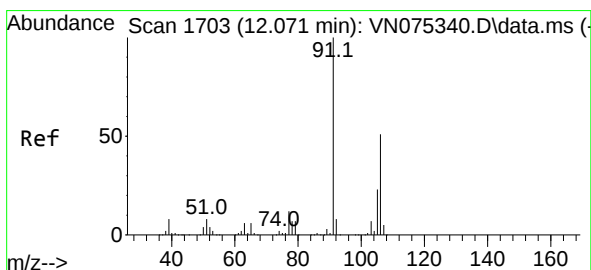
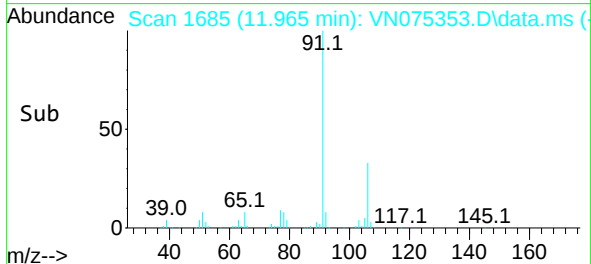
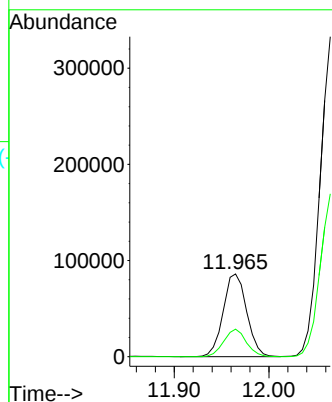
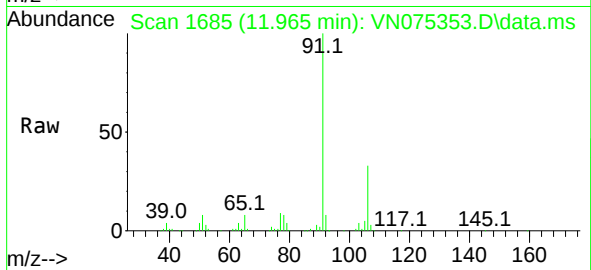




#67  
Ethyl Benzene  
Concen: 17.039 ug/l  
RT: 11.965 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

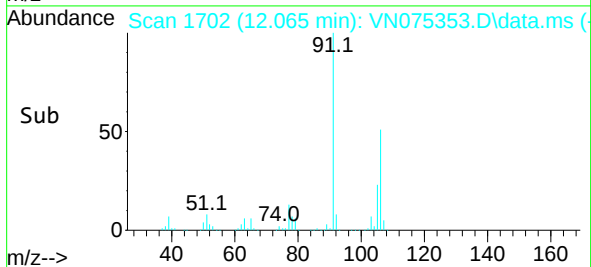
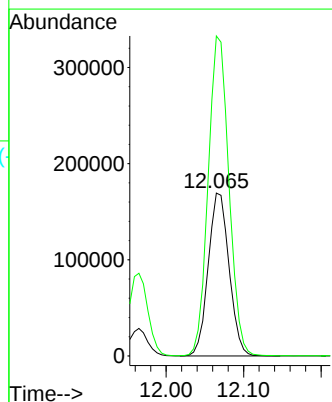
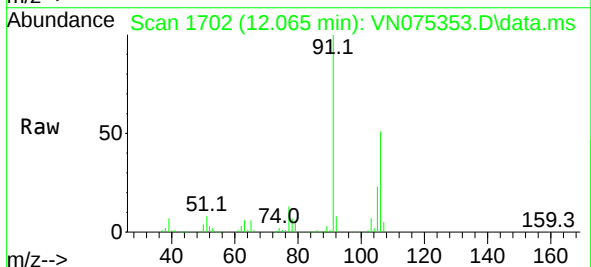
Instrument :  
MSVOA\_N  
ClientSampleId :  
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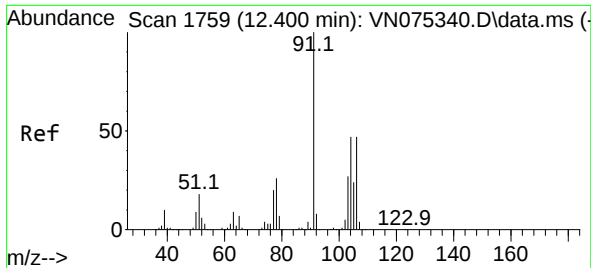
Tgt Ion: 91 Resp: 148537  
Ion Ratio Lower Upper  
91 100  
106 33.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 89.504 ug/l  
RT: 12.065 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 106 Resp: 316846  
Ion Ratio Lower Upper  
106 100  
91 195.8 156.0 234.0

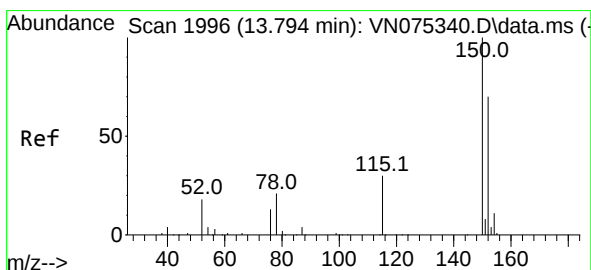
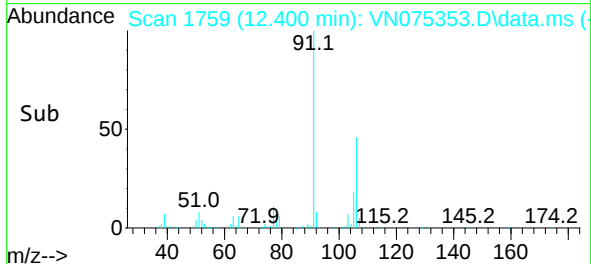
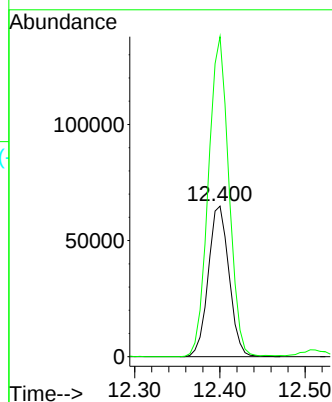
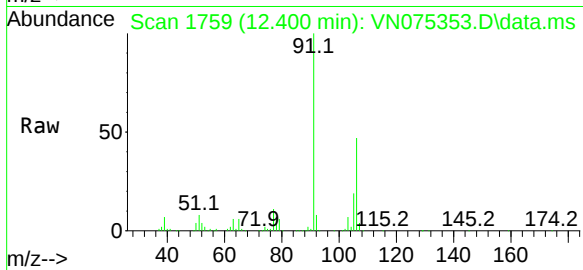




#69  
o-Xylene  
Concen: 31.252 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

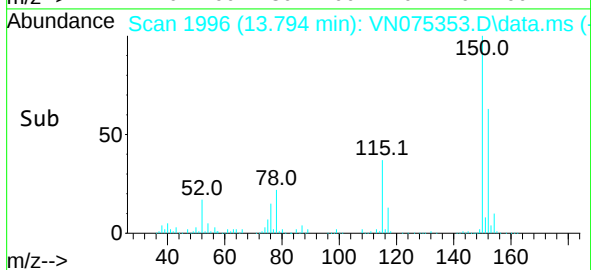
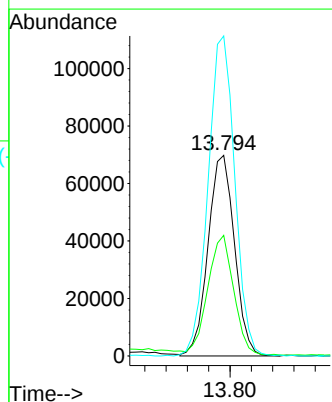
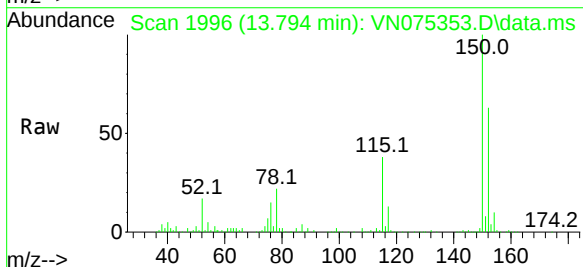
Instrument :  
MSVOA\_N  
ClientSampleId :  
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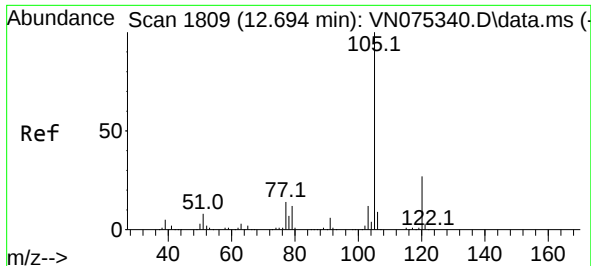
Tgt Ion:106 Resp: 109920  
Ion Ratio Lower Upper  
106 100  
91 210.3 105.2 315.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion:152 Resp: 120533  
Ion Ratio Lower Upper  
152 100  
115 59.4 30.2 90.6  
150 161.2 0.0 348.4

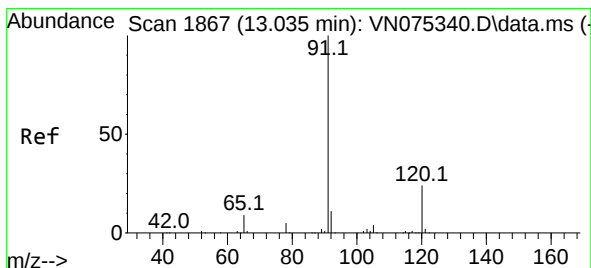
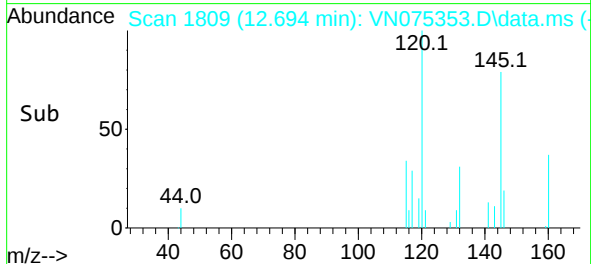
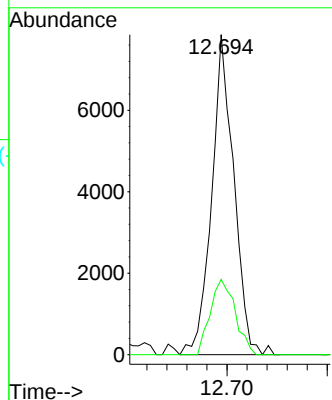
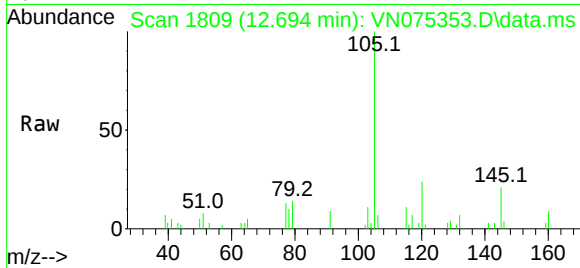




#73  
Isopropylbenzene  
Concen: 1.371 ug/l  
RT: 12.694 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

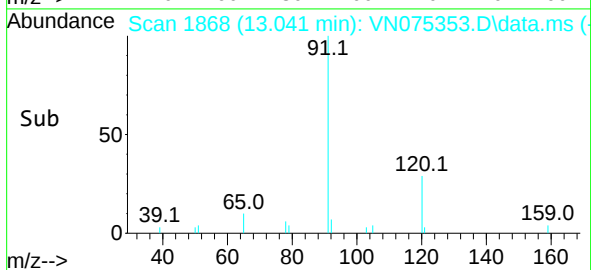
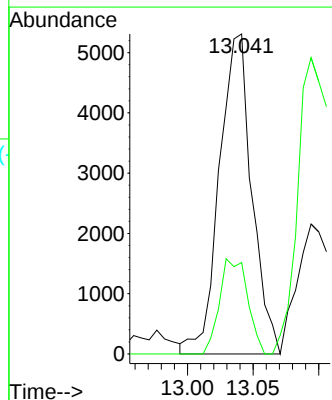
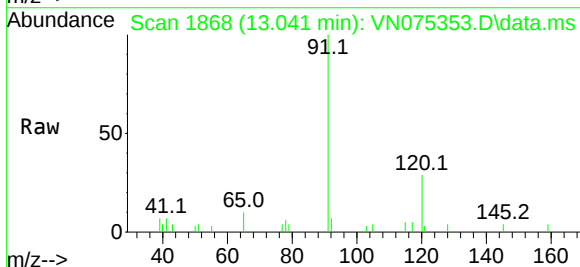
Instrument :  
MSVOA\_N  
ClientSampleId :  
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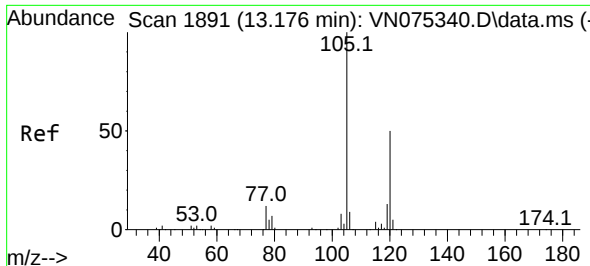
Tgt Ion:105 Resp: 12070  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.1 39.1



#78  
n-propylbenzene  
Concen: 0.931 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN075353.D  
Acq: 21 Nov 2022 19:53

Tgt Ion: 91 Resp: 9147  
Ion Ratio Lower Upper  
91 100  
120 25.6 11.9 35.5

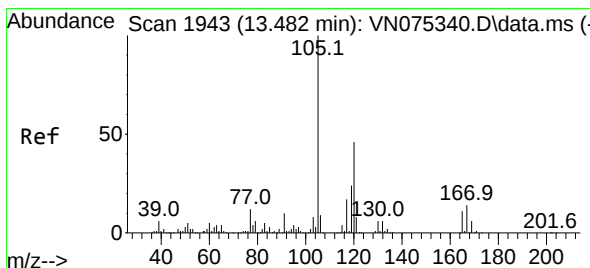
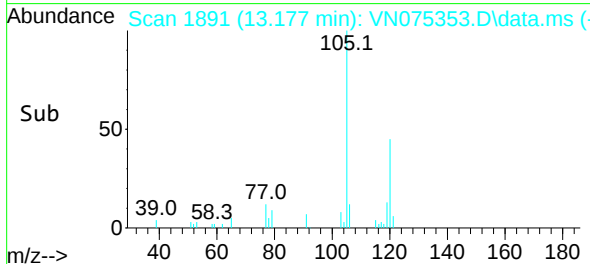
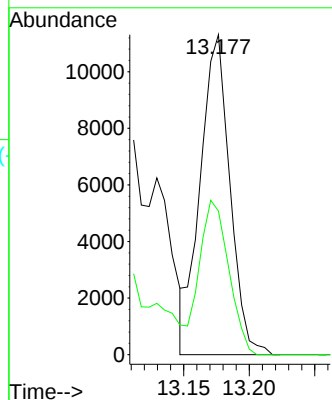
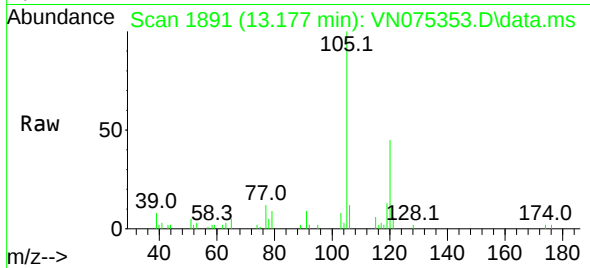




#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.434 ug/l  
 RT: 13.177 min Scan# 1891  
 Delta R.T. 0.001 min  
 Lab File: VN075353.D  
 Acq: 21 Nov 2022 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COSTAL-DRUM-2DL

Tgt Ion:105 Resp: 17807  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 24.7 74.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 3.309 ug/l  
 RT: 13.482 min Scan# 1943  
 Delta R.T. 0.000 min  
 Lab File: VN075353.D  
 Acq: 21 Nov 2022 19:53

Tgt Ion:105 Resp: 24280  
 Ion Ratio Lower Upper  
 105 100  
 120 46.4 22.7 68.1

