

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120222\  
 Data File : VN075535.D  
 Acq On : 02 Dec 2022 16:29  
 Operator : JC\MD  
 Sample : N5834-02 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SAY1-VRG-1201

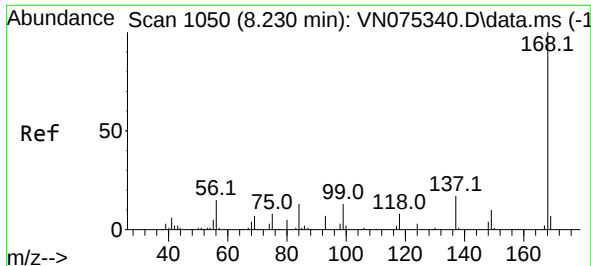
Quant Time: Dec 03 00:34:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 153943   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 248979   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 223491   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 103451   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 42863    | 51.871   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.740% |          |
| 35) Dibromofluoromethane    | 8.177  | 113   | 56560    | 57.828   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 115.660% |          |
| 50) Toluene-d8              | 10.571 | 98    | 115569   | 52.462   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 104.920% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 84791    | 52.148   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 104.300% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.441  | 43    | 24876    | 32.274   | ug/l       | 98       |
| 31) Cyclohexane             | 8.253  | 56    | 9115     | 3.472    | ug/l       | 94       |
| 39) Methylcyclohexane       | 9.606  | 83    | 5770     | 2.161    | ug/l       | 88       |
| 40) Benzene                 | 8.612  | 78    | 272092   | 41.665   | ug/l       | 97       |
| 52) Toluene                 | 10.629 | 92    | 370400   | 88.017   | ug/l       | 99       |
| 67) Ethyl Benzene           | 11.965 | 91    | 79074    | 10.042   | ug/l       | 99       |
| 68) m/p-Xylenes             | 12.070 | 106   | 96443    | 30.161   | ug/l       | 97       |
| 69) o-Xylene                | 12.400 | 106   | 42777    | 13.464   | ug/l       | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.482 | 105   | 26574    | 4.219    | ug/l       | 99       |
| 95) Naphthalene             | 15.641 | 128   | 8334     | 1.500    | ug/l       | 96       |
| -----                       |        |       |          |          |            |          |

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

Quant Time: Dec 03 00:34:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 23 00:18:03 2022  
Response via : Initial Calibration

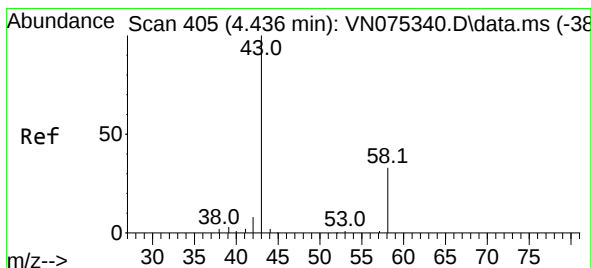
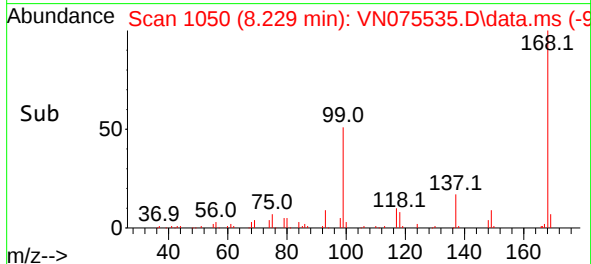
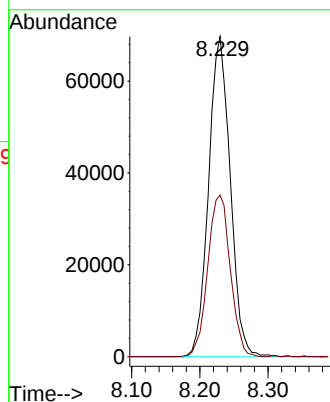
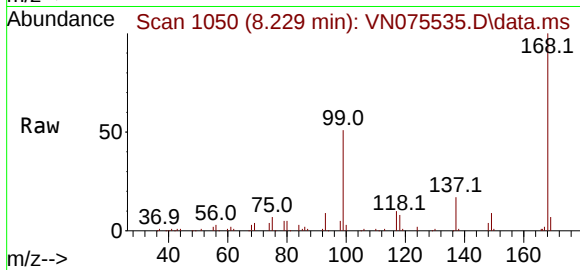




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1050  
Delta R.T. -0.001 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

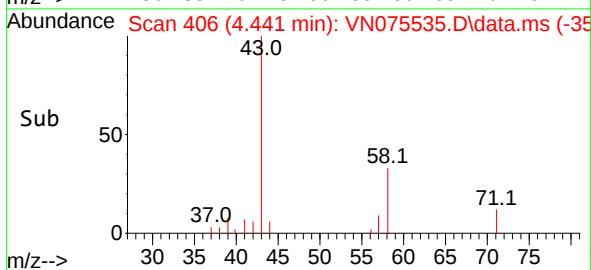
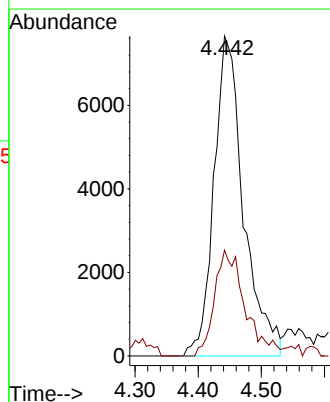
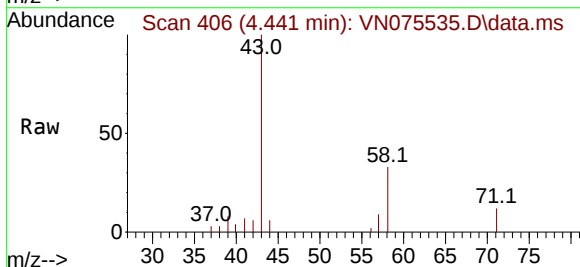
Instrument :  
MSVOA\_N  
ClientSampleId :  
SAY1-VRG-1201

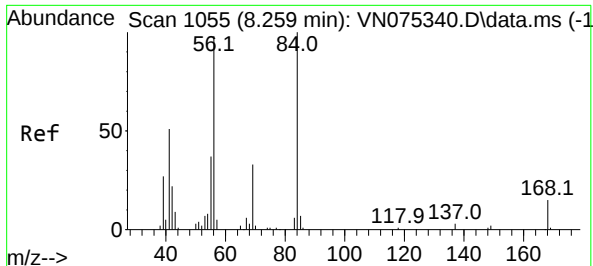
Tgt Ion:168 Resp: 153943  
Ion Ratio Lower Upper  
168 100  
99 50.5 51.6 77.4#



#16  
Acetone  
Concen: 32.274 ug/l  
RT: 4.441 min Scan# 406  
Delta R.T. 0.005 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion: 43 Resp: 24876  
Ion Ratio Lower Upper  
43 100  
58 33.0 25.5 38.3





#31

Cyclohexane

Concen: 3.472 ug/l

RT: 8.253 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VN075535.D

Acq: 02 Dec 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

SAY1-VRG-1201

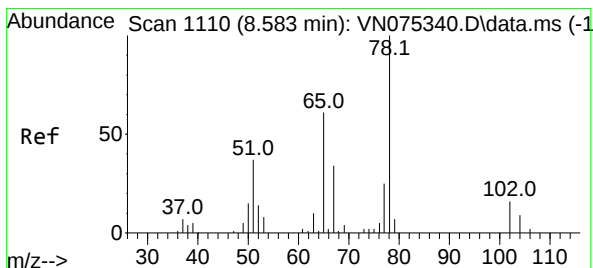
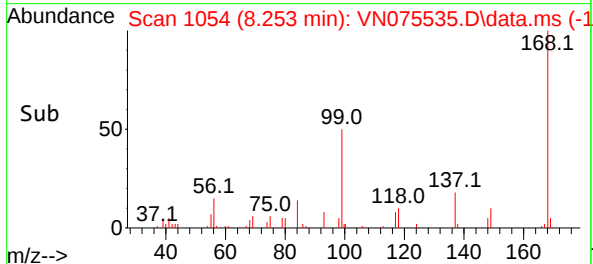
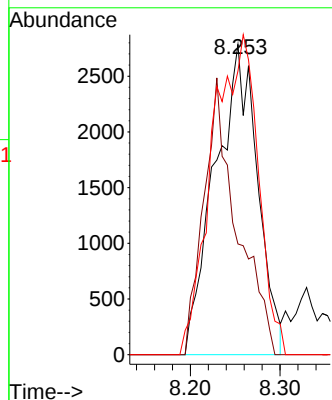
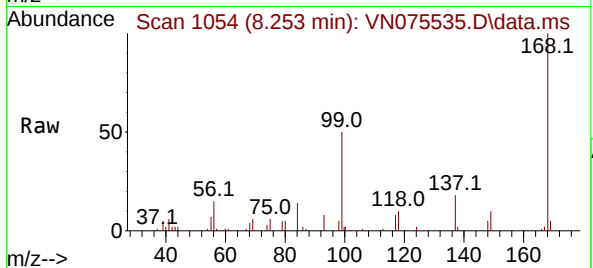
Tgt Ion: 56 Resp: 9115

Ion Ratio Lower Upper

56 100

69 35.7 25.2 37.8

84 91.5 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 51.871 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075535.D

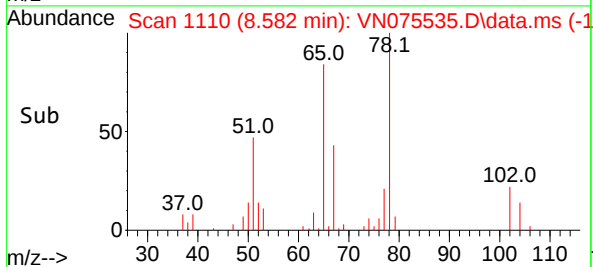
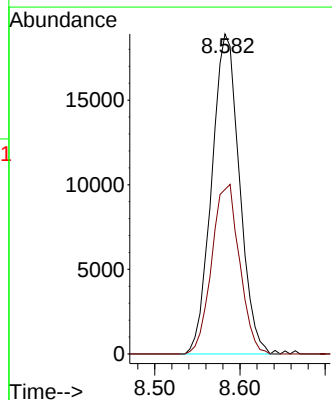
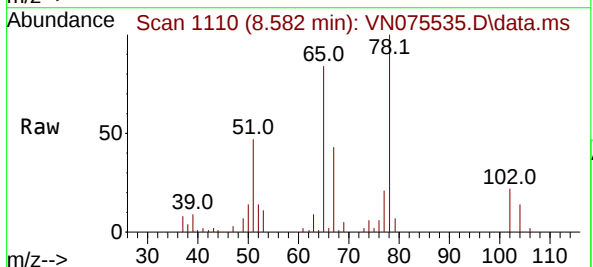
Acq: 02 Dec 2022 16:29

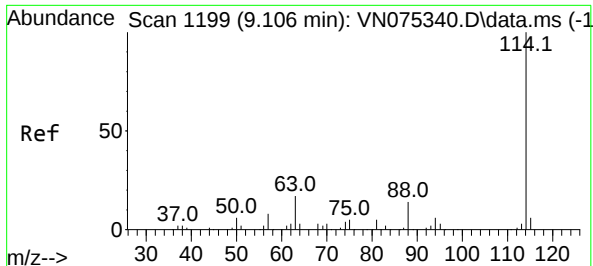
Tgt Ion: 65 Resp: 42863

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.0

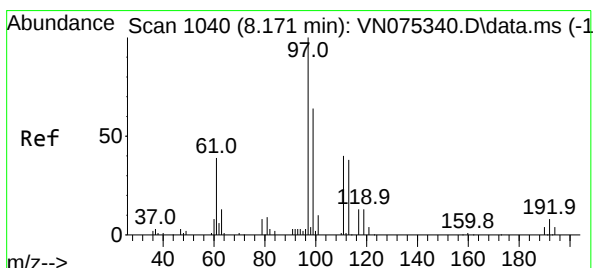
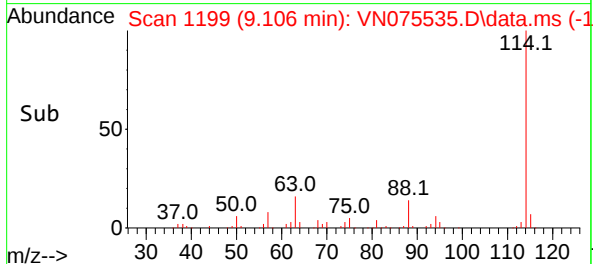
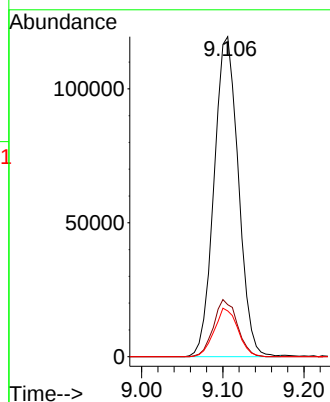
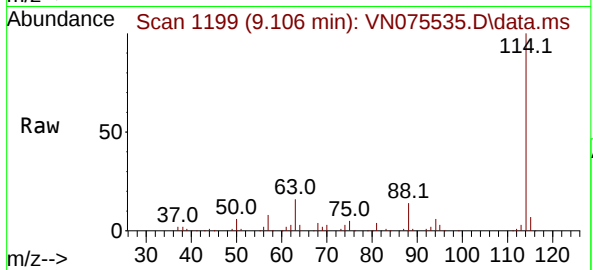




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. -0.000 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

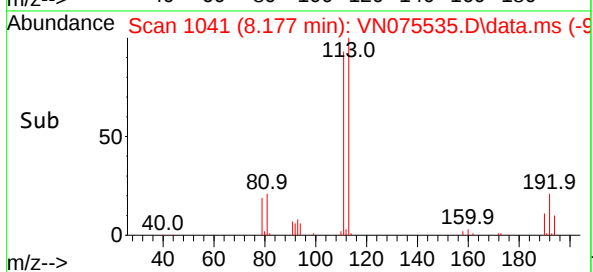
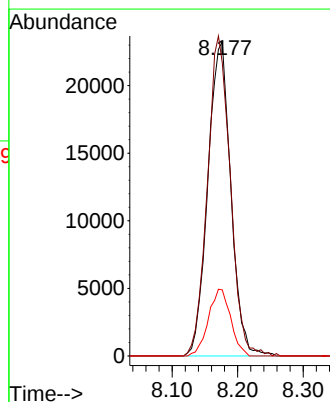
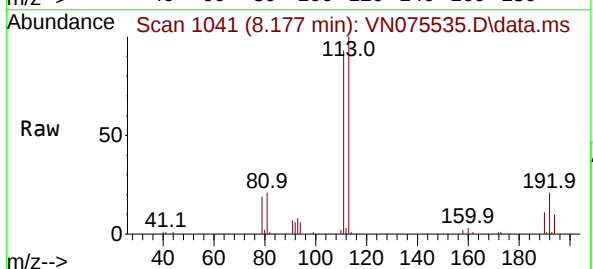
Instrument :  
MSVOA\_N  
ClientSampleId :  
SAY1-VRG-1201

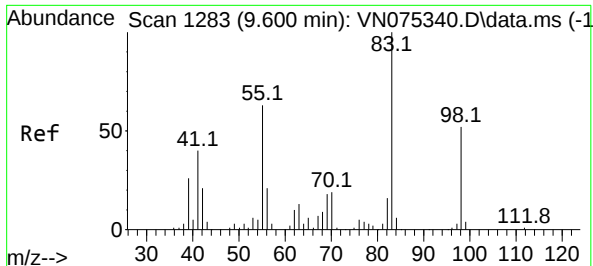
Tgt Ion:114 Resp: 248979  
Ion Ratio Lower Upper  
114 100  
63 16.2 0.0 39.6  
88 14.3 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 57.828 ug/l  
RT: 8.177 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion:113 Resp: 56560  
Ion Ratio Lower Upper  
113 100  
111 101.4 80.5 120.7  
192 20.6 13.2 19.8#





#39

Methylcyclohexane

Concen: 2.161 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075535.D

Acq: 02 Dec 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

SAY1-VRG-1201

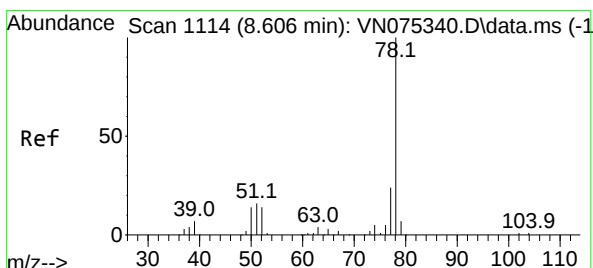
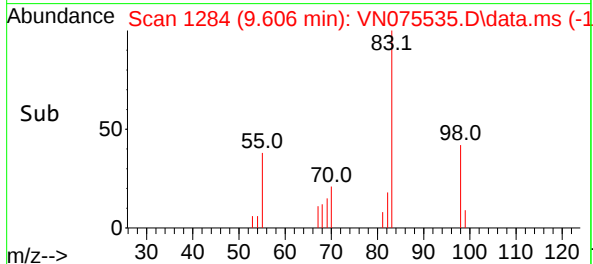
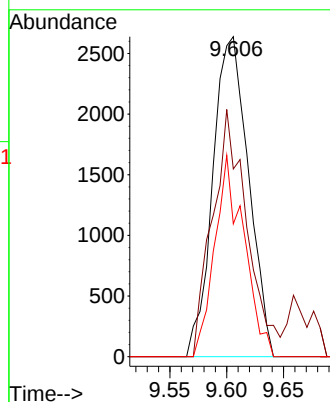
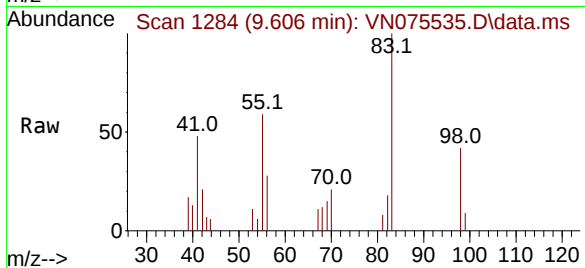
Tgt Ion: 83 Resp: 5770

Ion Ratio Lower Upper

83 100

55 58.6 53.6 80.4

98 41.5 41.1 61.7



#40

Benzene

Concen: 41.665 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.006 min

Lab File: VN075535.D

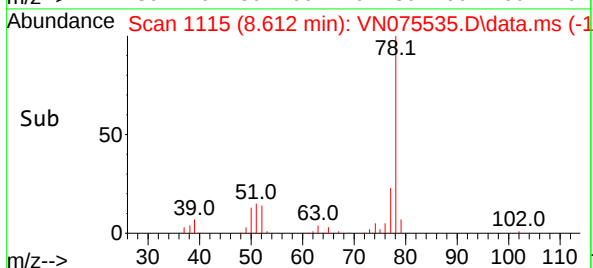
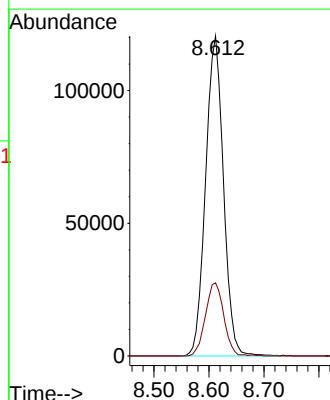
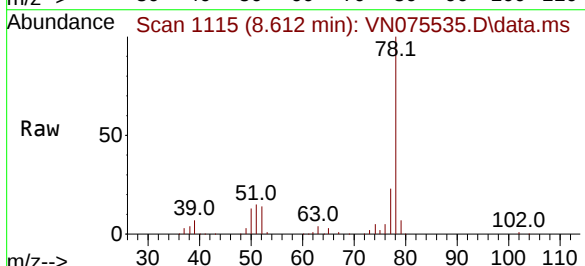
Acq: 02 Dec 2022 16:29

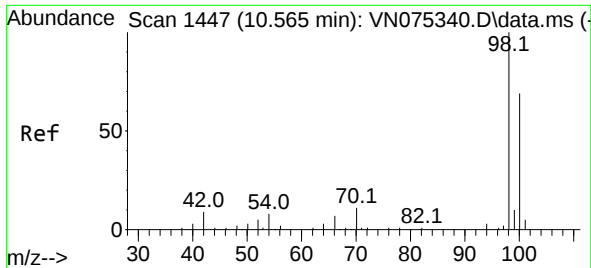
Tgt Ion: 78 Resp: 272092

Ion Ratio Lower Upper

78 100

77 22.8 19.4 29.0

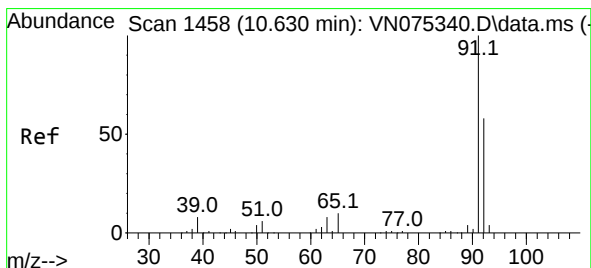
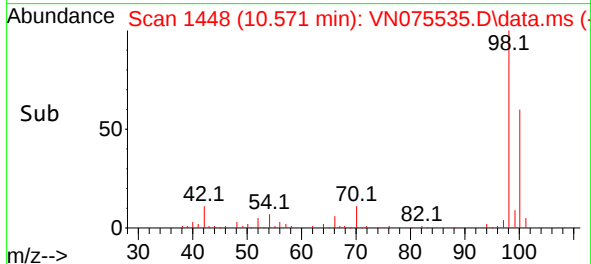
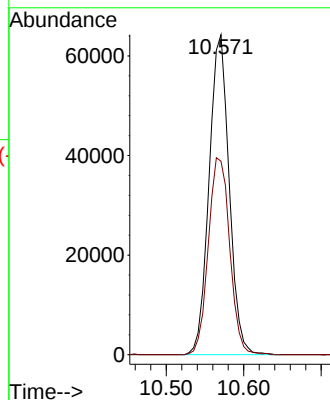
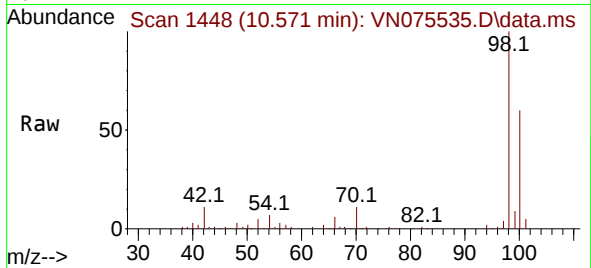




#50  
Toluene-d8  
Concen: 52.462 ug/l  
RT: 10.571 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

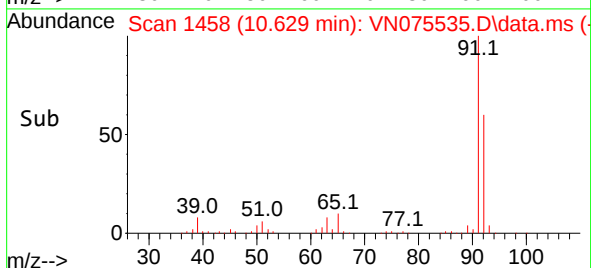
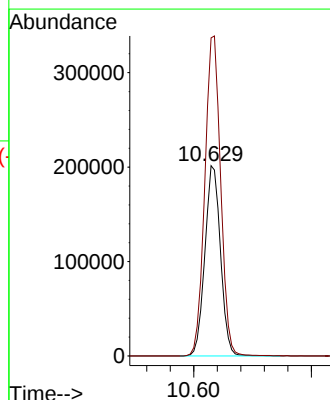
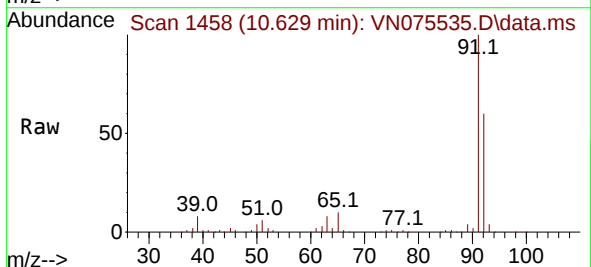
Instrument :  
MSVOA\_N  
ClientSampleId :  
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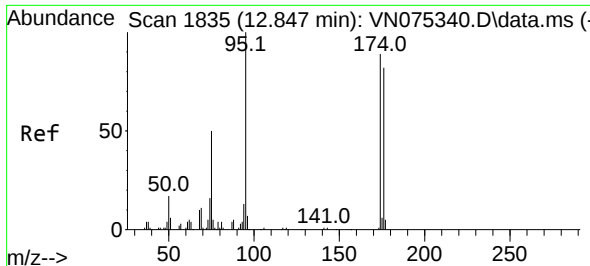
Tgt Ion: 98 Resp: 115569  
Ion Ratio Lower Upper  
98 100  
100 65.6 53.0 79.6



#52  
Toluene  
Concen: 88.017 ug/l  
RT: 10.629 min Scan# 1458  
Delta R.T. -0.001 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion: 92 Resp: 370400  
Ion Ratio Lower Upper  
92 100  
91 170.6 135.4 203.2

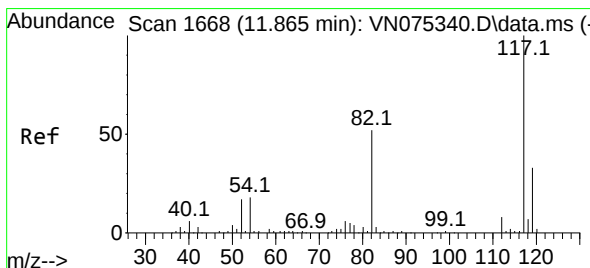
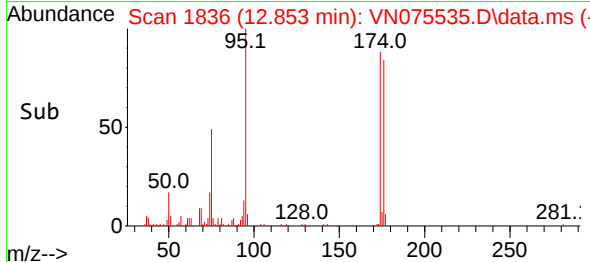
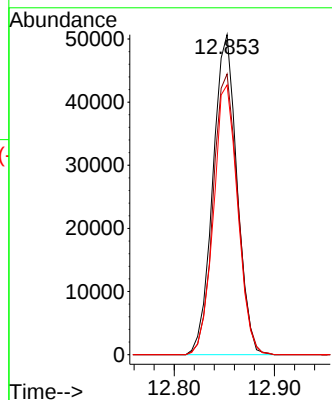
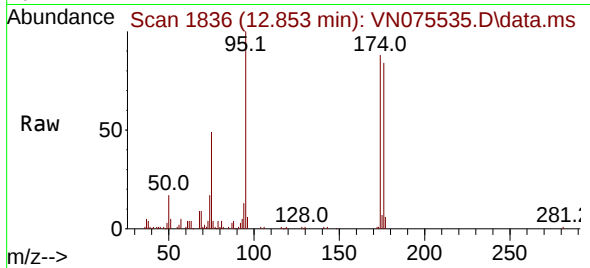




#62  
4-Bromofluorobenzene  
Concen: 52.148 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

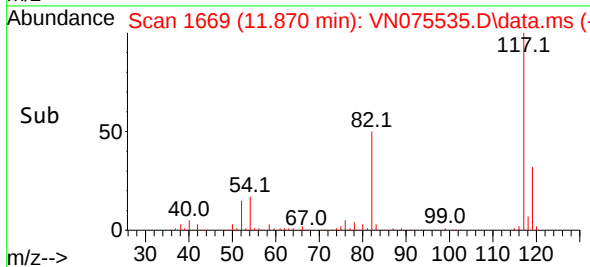
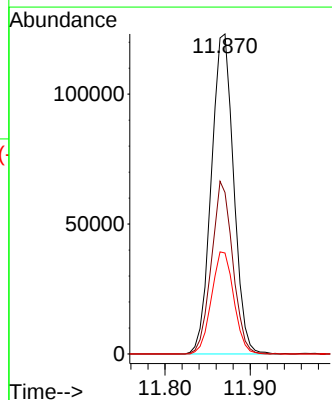
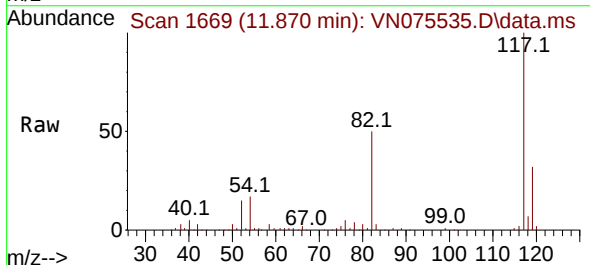
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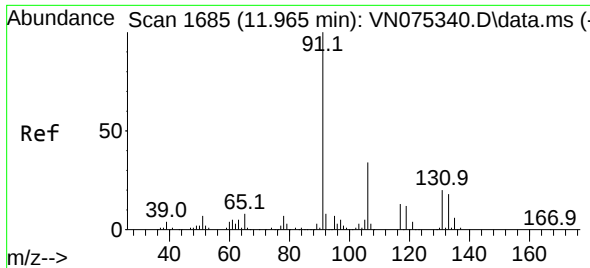
Tgt Ion: 95 Resp: 84791  
Ion Ratio Lower Upper  
95 100  
174 89.4 0.0 147.4  
176 84.3 0.0 142.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.005 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion: 117 Resp: 223491  
Ion Ratio Lower Upper  
117 100  
82 50.5 43.1 64.7  
119 31.6 25.5 38.3

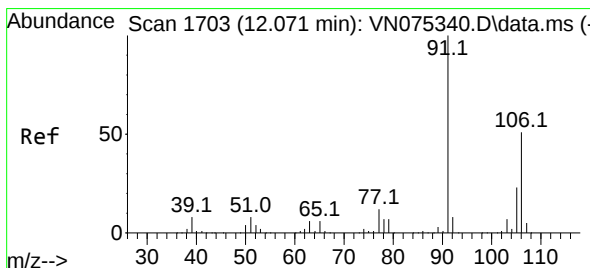
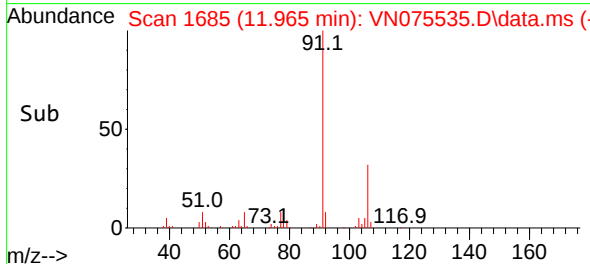
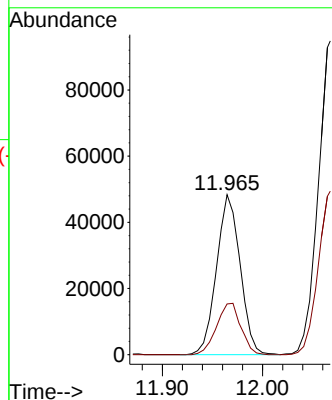
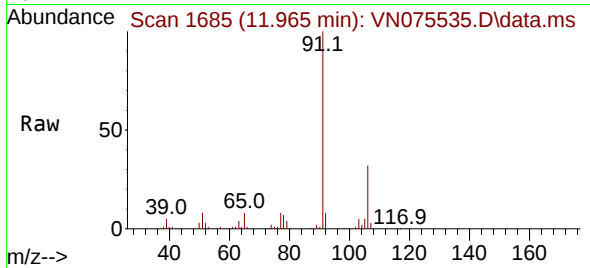




#67  
Ethyl Benzene  
Concen: 10.042 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

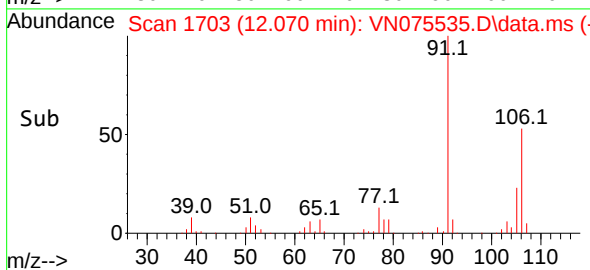
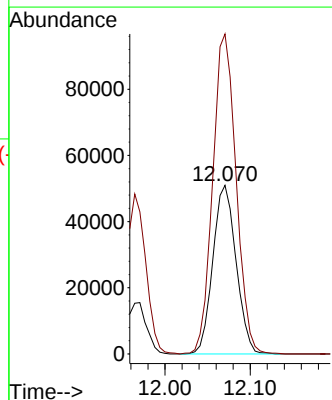
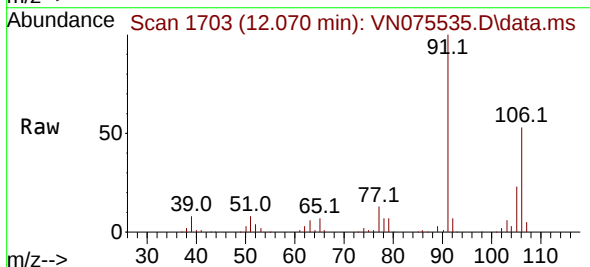
Instrument :  
MSVOA\_N  
ClientSampleId :  
SAY1-VRG-1201

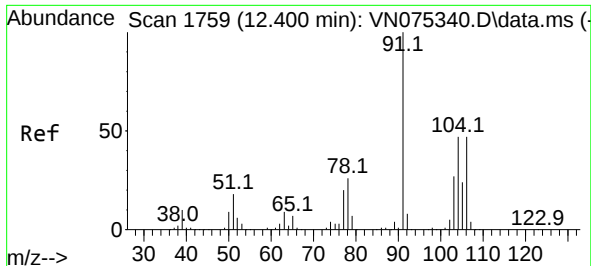
Tgt Ion: 91 Resp: 79074  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.9 37.3



#68  
m/p-Xylenes  
Concen: 30.161 ug/l  
RT: 12.070 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion: 106 Resp: 96443  
Ion Ratio Lower Upper  
106 100  
91 190.9 156.0 234.0

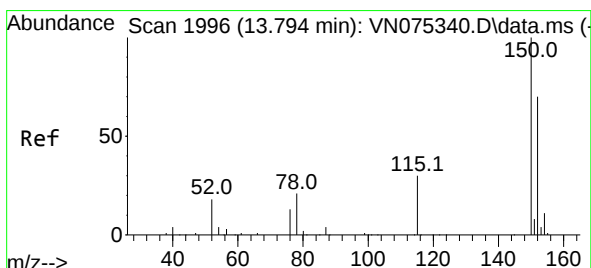
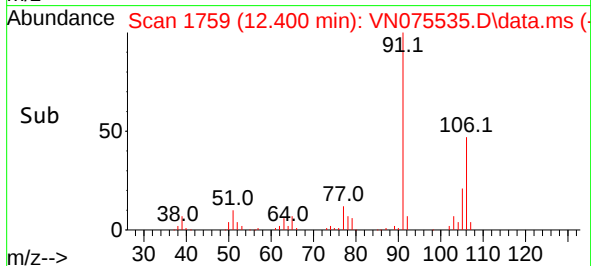
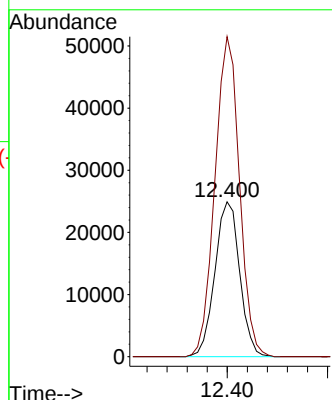
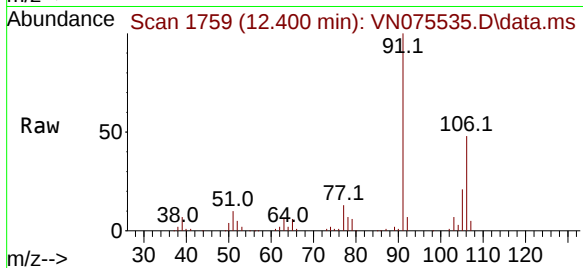




#69  
o-Xylene  
Concen: 13.464 ug/l  
RT: 12.400 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

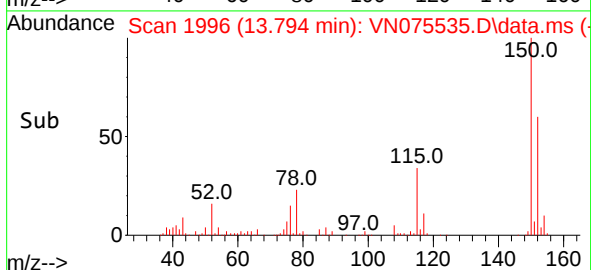
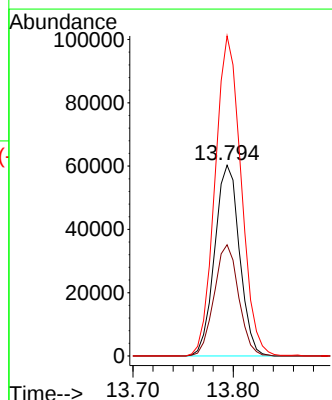
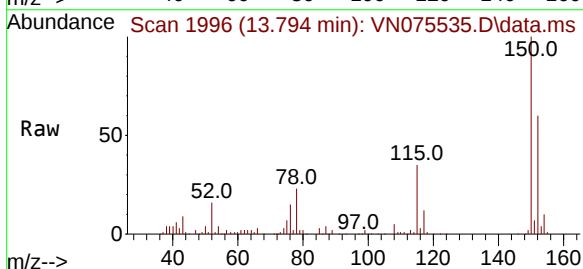
Instrument :  
MSVOA\_N  
ClientSampleId :  
SAY1-VRG-1201

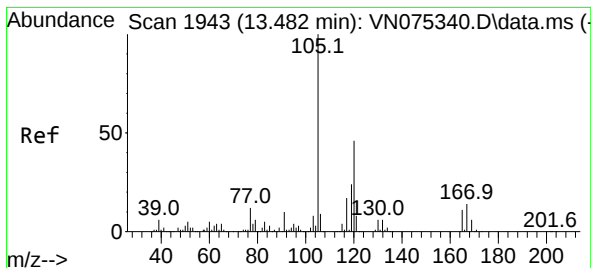
Tgt Ion:106 Resp: 42777  
Ion Ratio Lower Upper  
106 100  
91 204.7 105.2 315.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075535.D  
Acq: 02 Dec 2022 16:29

Tgt Ion:152 Resp: 103451  
Ion Ratio Lower Upper  
152 100  
115 57.5 30.2 90.6  
150 176.5 0.0 348.4





#84

1,2,4-Trimethylbenzene

Concen: 4.219 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN075535.D

Acq: 02 Dec 2022 16:29

Instrument :

MSVOA\_N

ClientSampleId :

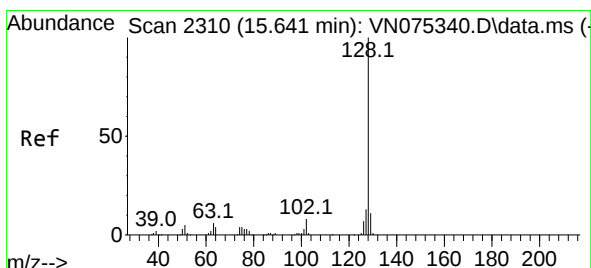
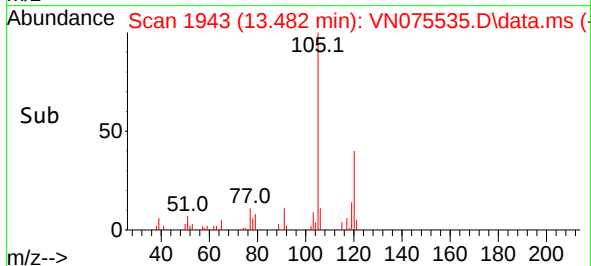
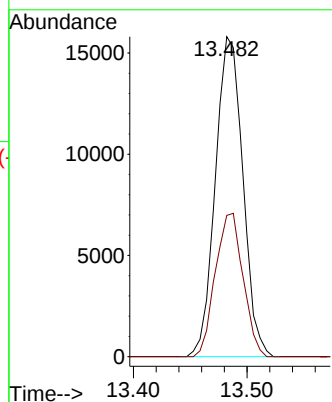
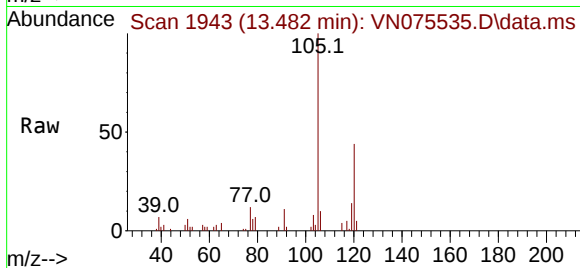
SAY1-VRG-1201

Tgt Ion:105 Resp: 26574

Ion Ratio Lower Upper

105 100

120 45.0 22.7 68.1



#95

Naphthalene

Concen: 1.500 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075535.D

Acq: 02 Dec 2022 16:29

Tgt Ion:128 Resp: 8334

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

129 8.7 8.6 12.8

