

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031522\  
 Data File : VX027454.D  
 Acq On : 15 Mar 2022 17:55  
 Operator : JC/MD  
 Sample : N1924-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 33584

Quant Time: Mar 16 04:20:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

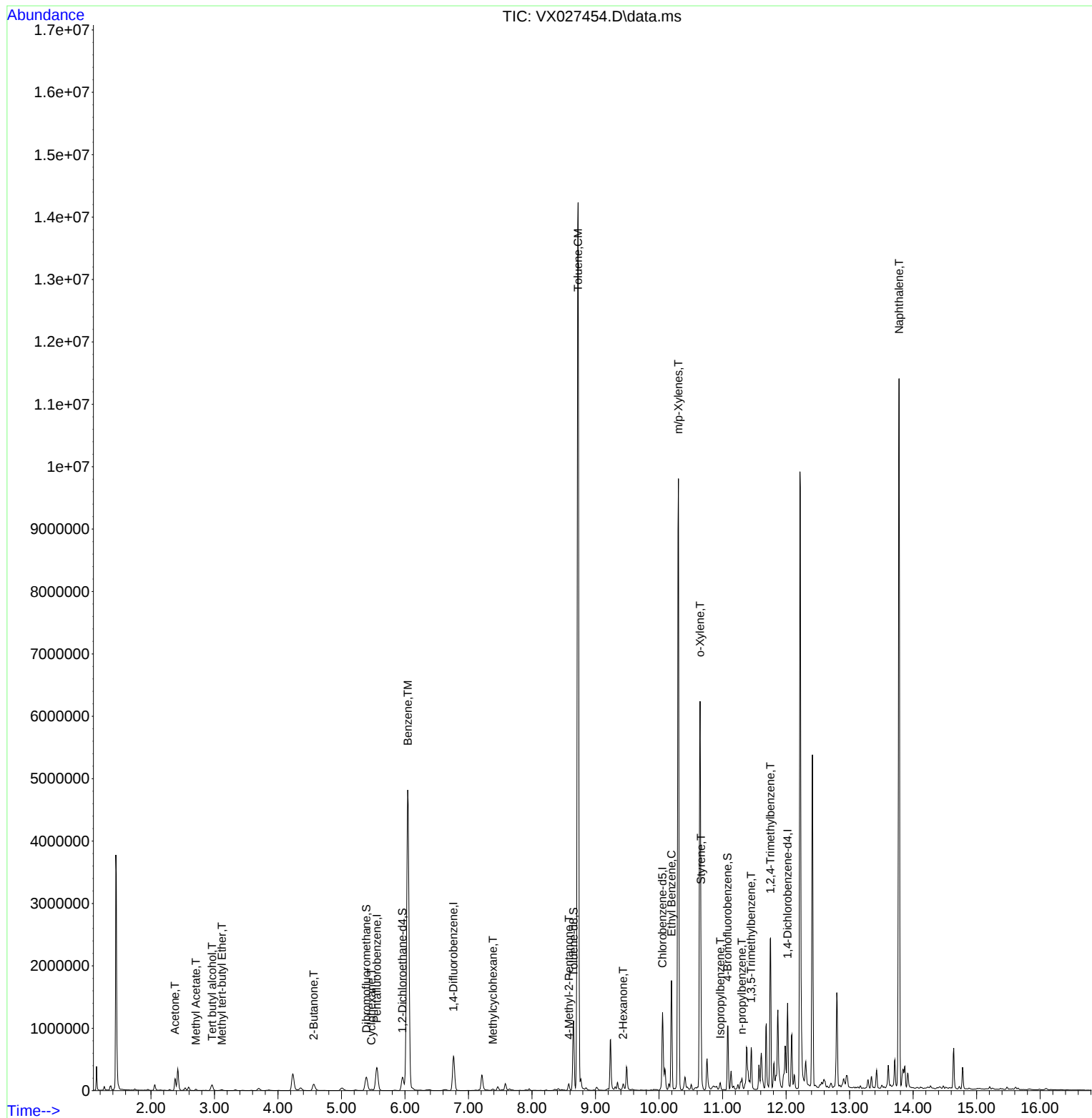
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 354990   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 583461   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 555784   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 273131   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 216340   | 52.260   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 104.520% |          |
| 35) Dibromofluoromethane    | 5.391  | 113   | 188644   | 50.107   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 100.220% |          |
| 50) Toluene-d8              | 8.653  | 98    | 697333   | 49.062   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 98.120%  |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 279627   | 51.619   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 103.240% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol      | 2.965  | 59    | 98501    | 121.374  | ug/l       | 97       |
| 16) Acetone                 | 2.380  | 43    | 194494   | 119.720  | ug/l       | 93       |
| 18) Methyl Acetate          | 2.709  | 43    | 23769    | 5.223    | ug/l       | 96       |
| 19) Methyl tert-butyl Ether | 3.117  | 73    | 12103    | 1.061    | ug/l #     | 80       |
| 25) 2-Butanone              | 4.562  | 43    | 165793   | 58.142   | ug/l       | 97       |
| 31) Cyclohexane             | 5.471  | 56    | 11793    | 2.037    | ug/l       | 85       |
| 39) Methylcyclohexane       | 7.385  | 83    | 9440     | 1.430    | ug/l       | 97       |
| 40) Benzene                 | 6.044  | 78    | 5855213  | 367.777  | ug/l       | 99       |
| 51) 4-Methyl-2-Pentanone    | 8.580  | 43    | 58847    | 10.582   | ug/l       | 94       |
| 52) Toluene                 | 8.726  | 92    | 5971633  | 588.377  | ug/l       | 90       |
| 59) 2-Hexanone              | 9.433  | 43    | 28613    | 6.661    | ug/l       | 99       |
| 67) Ethyl Benzene           | 10.195 | 91    | 993800   | 49.284   | ug/l       | 98       |
| 68) m/p-Xylenes             | 10.305 | 106   | 2356803  | 297.970  | ug/l       | 95       |
| 69) o-Xylene                | 10.646 | 106   | 1344421  | 172.162  | ug/l       | 96       |
| 70) Styrene                 | 10.659 | 104   | 575971   | 44.434   | ug/l #     | 72       |
| 73) Isopropylbenzene        | 10.963 | 105   | 48901    | 2.448    | ug/l       | 99       |
| 78) n-propylbenzene         | 11.305 | 91    | 92184    | 4.103    | ug/l       | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 297680   | 17.382   | ug/l       | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 1014108  | 59.704   | ug/l       | 89       |
| 95) Naphthalene             | 13.780 | 128   | 6803743  | 330.668  | ug/l       | 96       |
| -----                       |        |       |          |          |            |          |

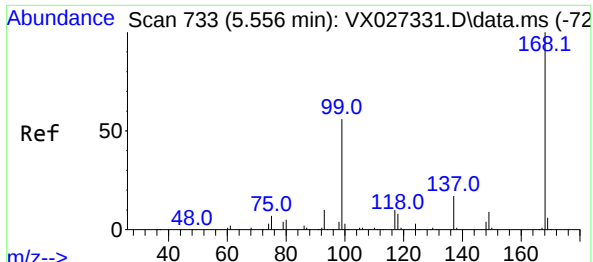
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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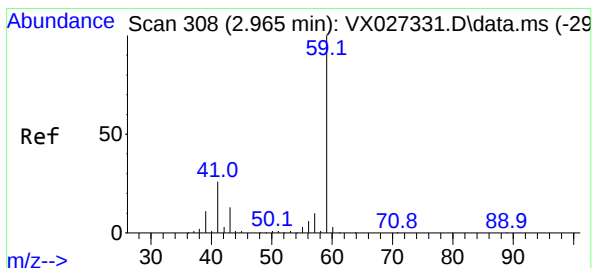
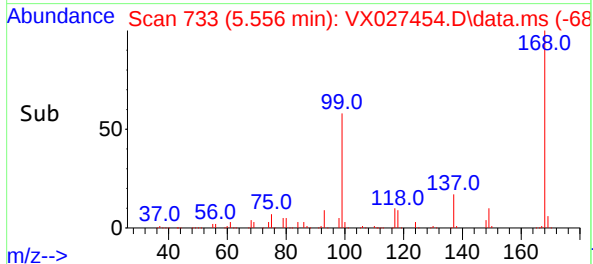
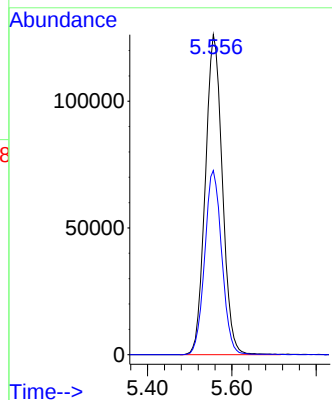
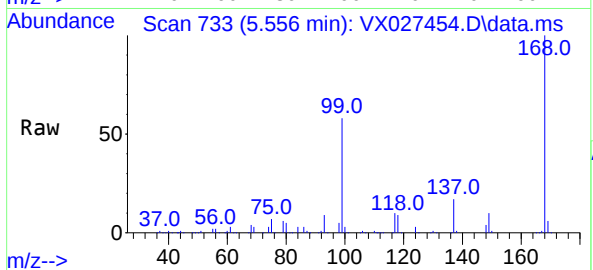




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

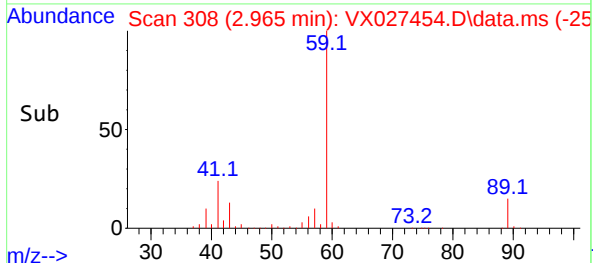
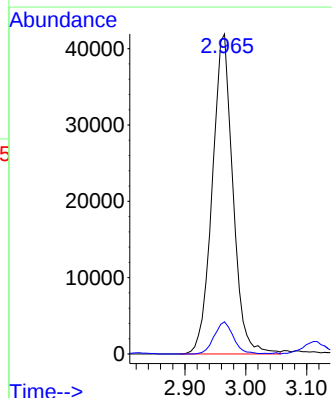
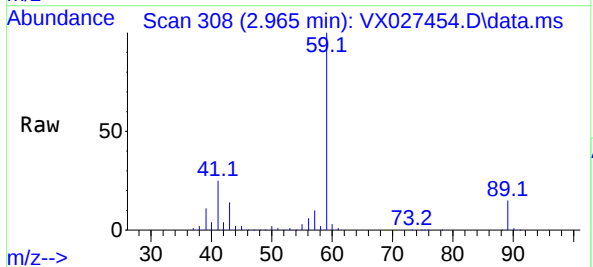
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

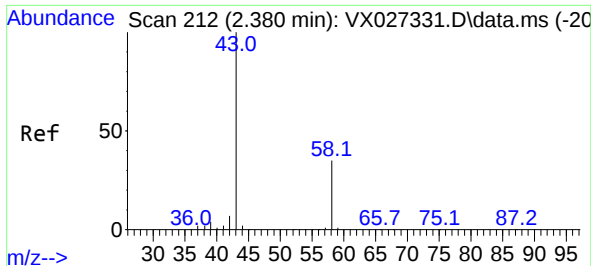
Tgt Ion:168 Resp: 354990  
Ion Ratio Lower Upper  
168 100  
99 57.5 41.7 62.5



#11  
Tert butyl alcohol  
Concen: 121.374 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 59 Resp: 98501  
Ion Ratio Lower Upper  
59 100  
57 9.4 8.3 12.5

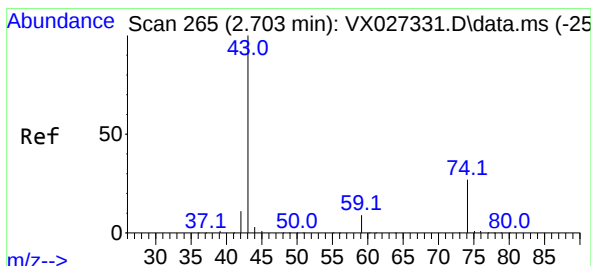
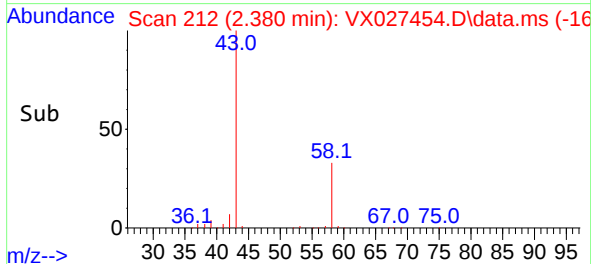
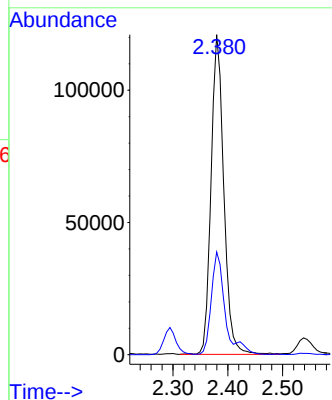
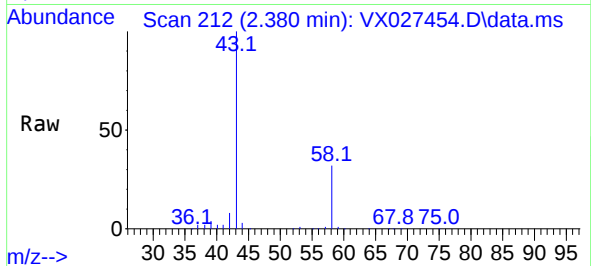




#16  
Acetone  
Concen: 119.720 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

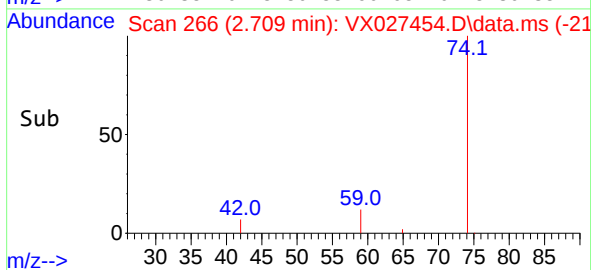
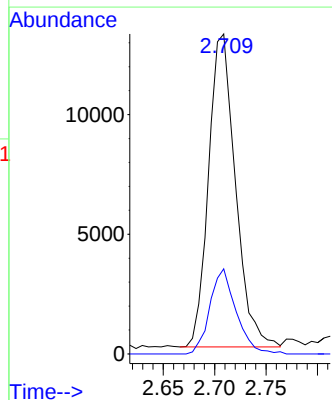
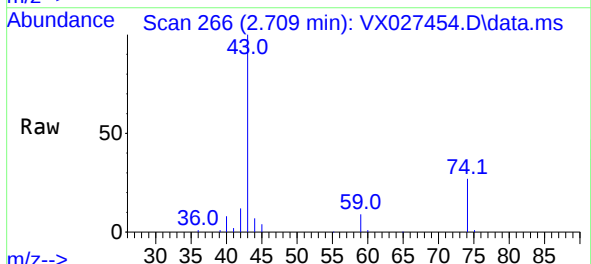
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

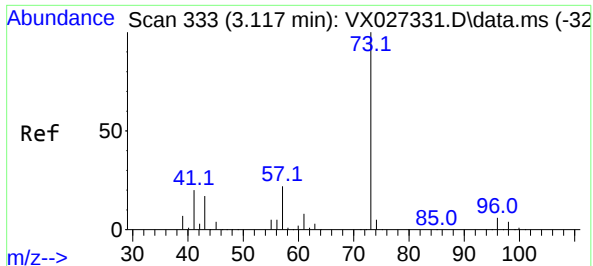
Tgt Ion: 43 Resp: 194494  
Ion Ratio Lower Upper  
43 100  
58 32.0 28.8 43.2



#18  
Methyl Acetate  
Concen: 5.223 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 43 Resp: 23769  
Ion Ratio Lower Upper  
43 100  
74 26.6 22.8 34.2





#19

Methyl tert-butyl Ether

Concen: 1.061 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027454.D

Acq: 15 Mar 2022 17:55

Instrument :

MSVOA\_X

ClientSampleId :

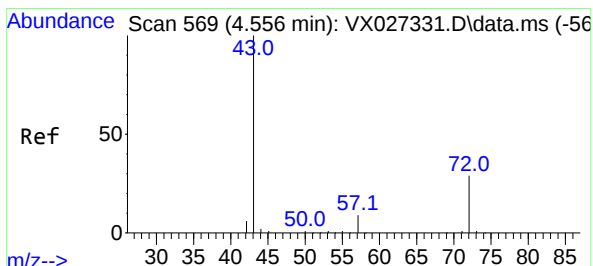
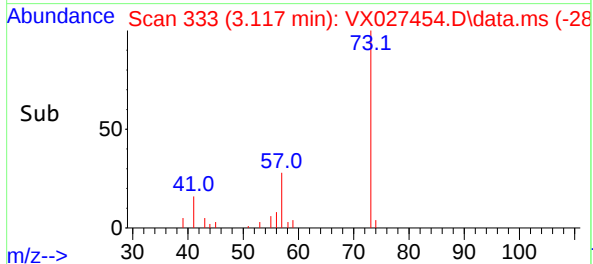
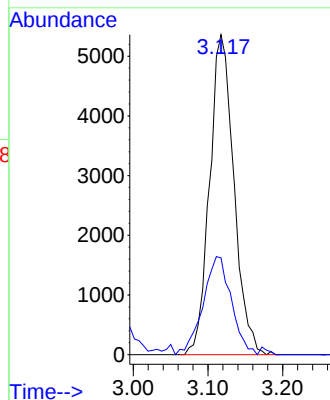
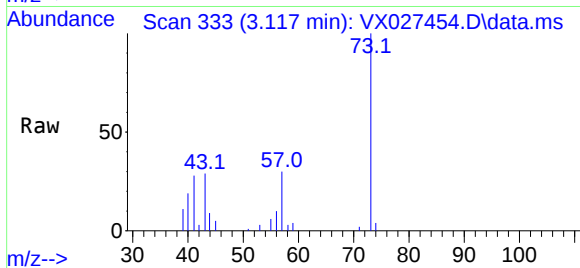
33584

Tgt Ion: 73 Resp: 12103

Ion Ratio Lower Upper

73 100

57 30.3 16.8 25.2#



#25

2-Butanone

Concen: 58.142 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX027454.D

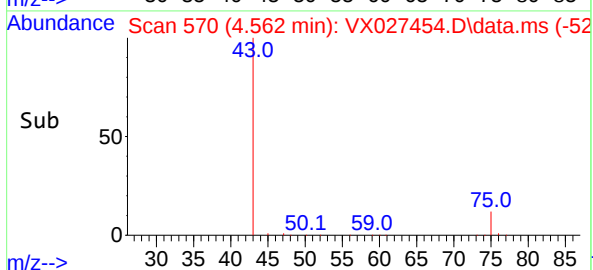
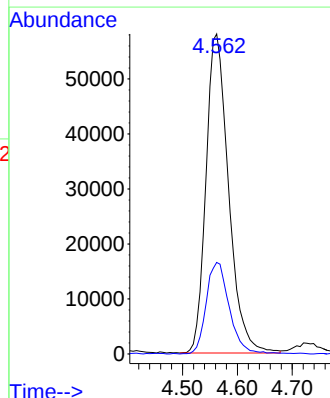
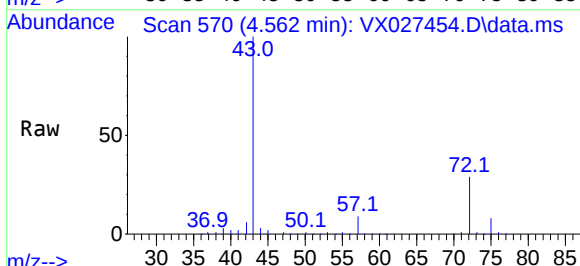
Acq: 15 Mar 2022 17:55

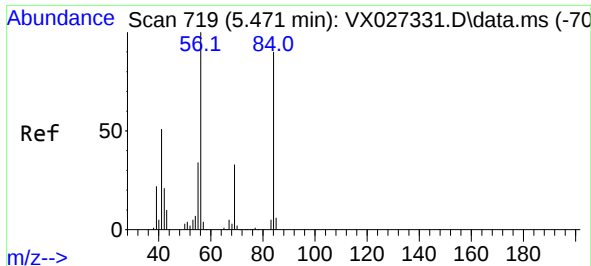
Tgt Ion: 43 Resp: 165793

Ion Ratio Lower Upper

43 100

72 28.7 24.4 36.6

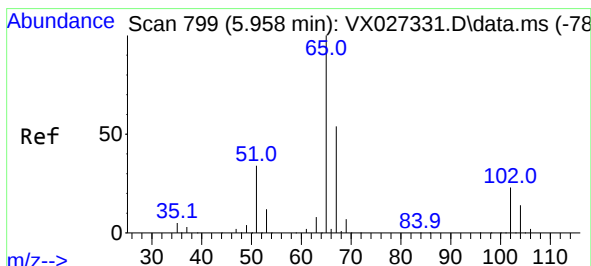
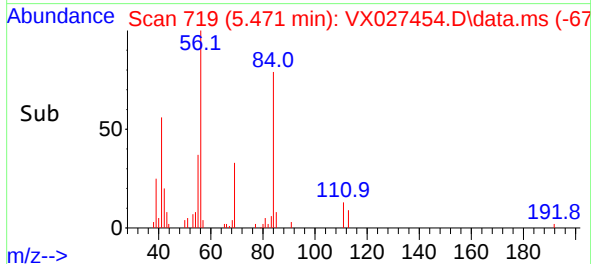
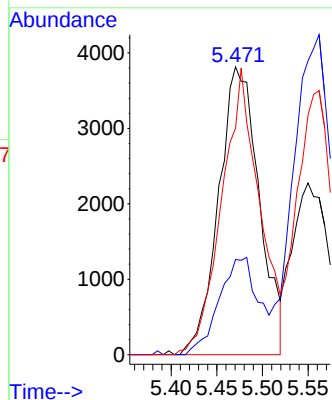
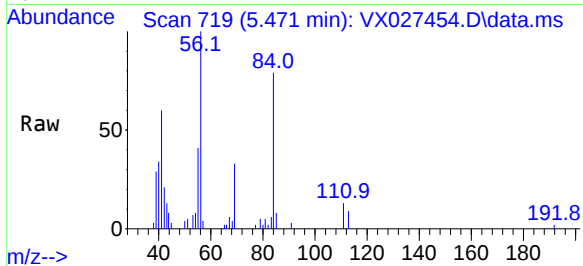




#31  
Cyclohexane  
Concen: 2.037 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

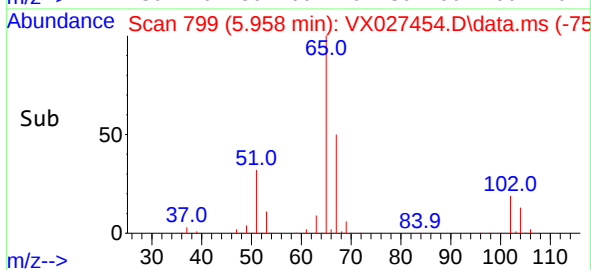
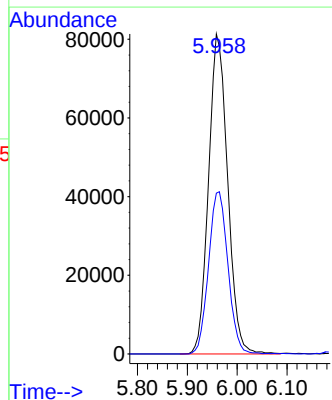
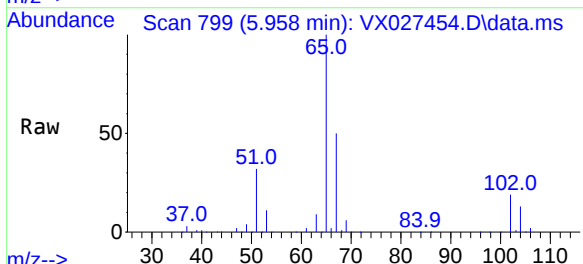
Instrument :  
MSVOA\_X  
ClientSampleId :  
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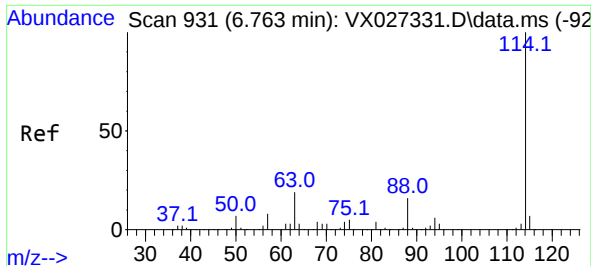
Tgt Ion: 56 Resp: 11793  
Ion Ratio Lower Upper  
56 100  
69 33.1 26.7 40.1  
84 77.2 77.2 115.8



#33  
1,2-Dichloroethane-d4  
Concen: 52.260 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 65 Resp: 216340  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 107.4

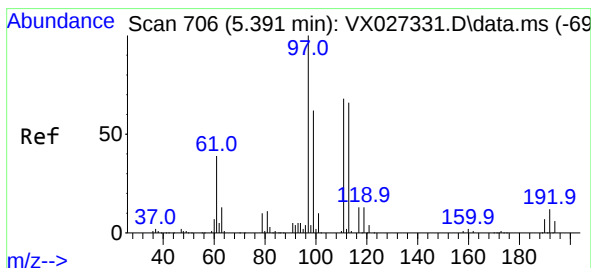
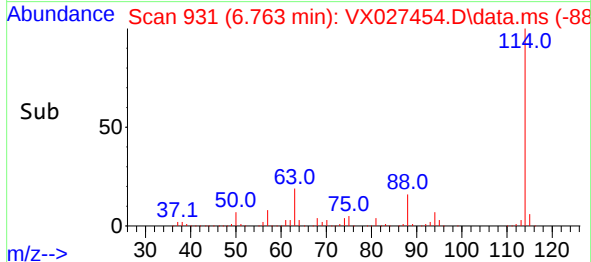
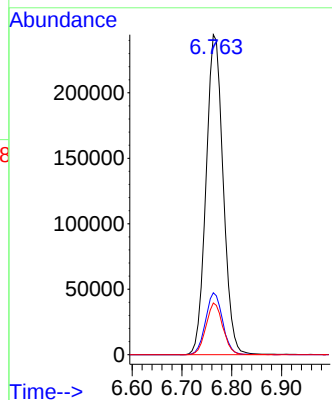
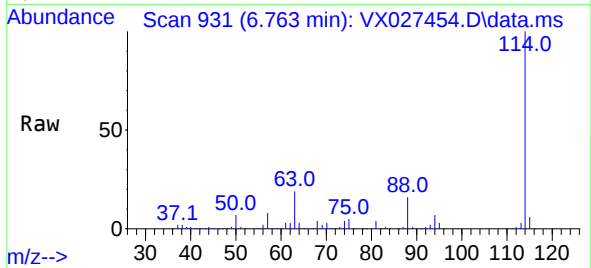




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

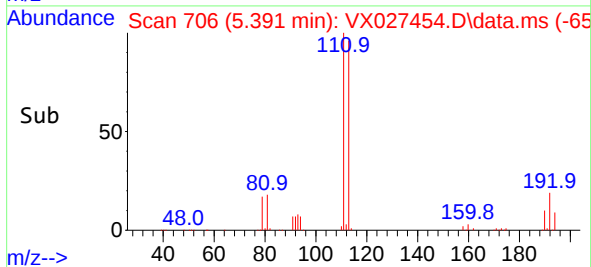
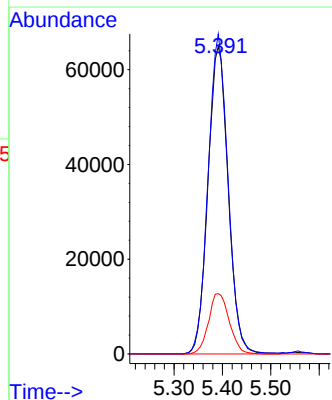
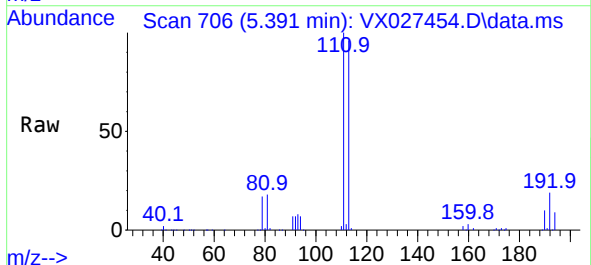
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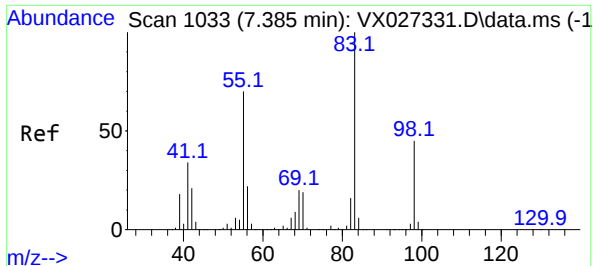
Tgt Ion:114 Resp: 583461  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 36.8  
88 16.2 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 50.107 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion:113 Resp: 188644  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.8 124.2  
192 20.1 16.9 25.3





#39

Methylcyclohexane

Concen: 1.430 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX027454.D

Acq: 15 Mar 2022 17:55

Instrument :

MSVOA\_X

ClientSampleId :

33584

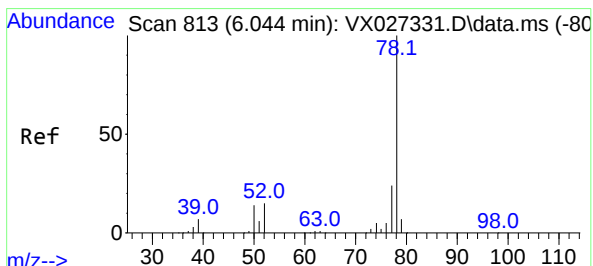
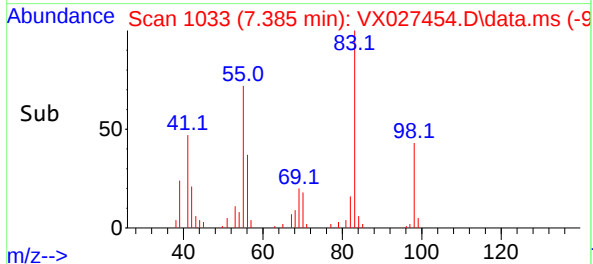
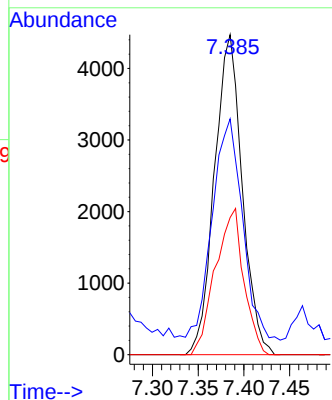
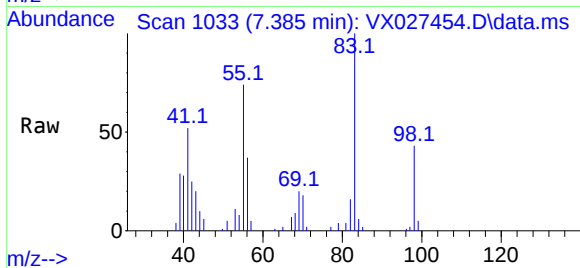
Tgt Ion: 83 Resp: 9440

Ion Ratio Lower Upper

83 100

55 69.1 54.6 81.8

98 42.9 37.4 56.2



#40

Benzene

Concen: 367.777 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX027454.D

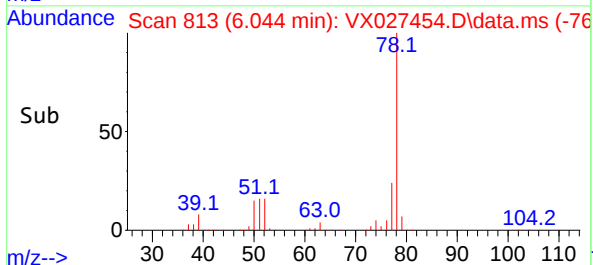
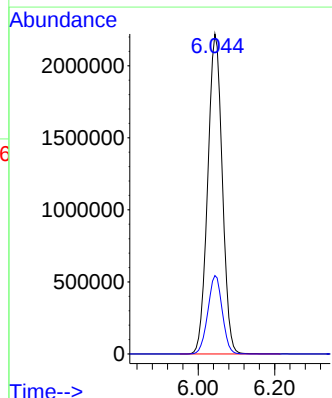
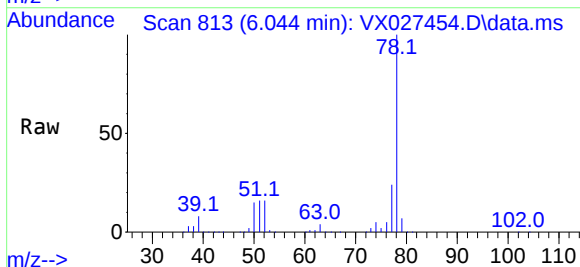
Acq: 15 Mar 2022 17:55

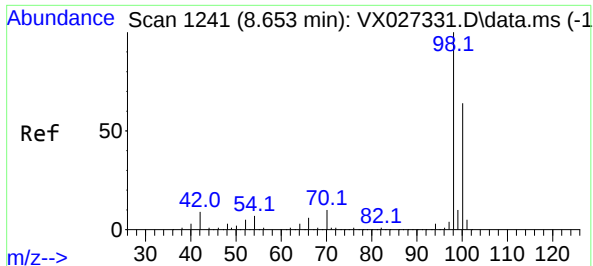
Tgt Ion: 78 Resp: 5855213

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9

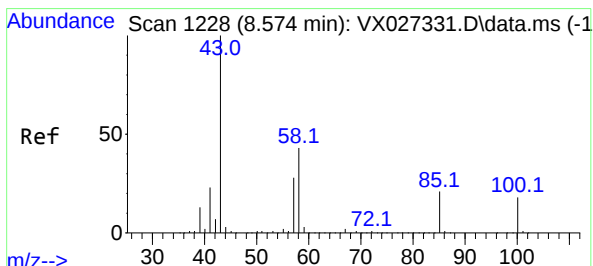
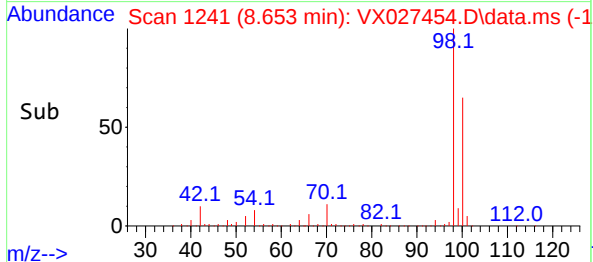
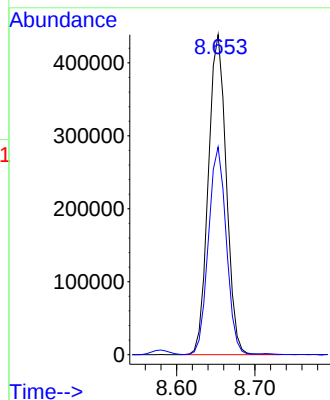
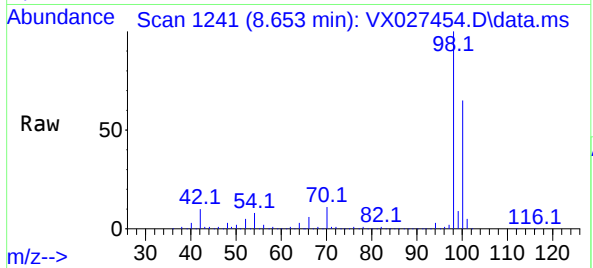




#50  
Toluene-d8  
Concen: 49.062 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

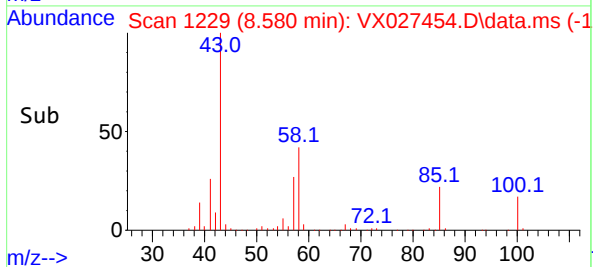
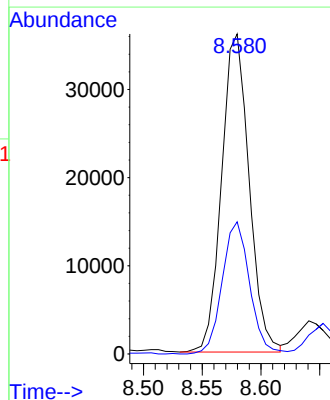
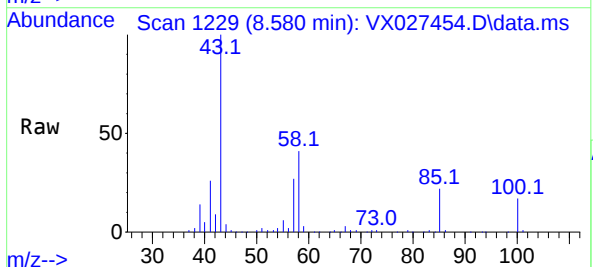
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

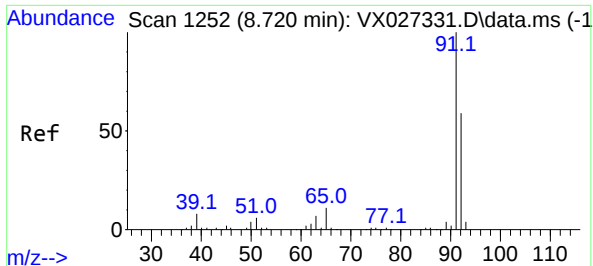
Tgt Ion: 98 Resp: 697333  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 10.582 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 43 Resp: 58847  
Ion Ratio Lower Upper  
43 100  
58 41.4 36.1 54.1

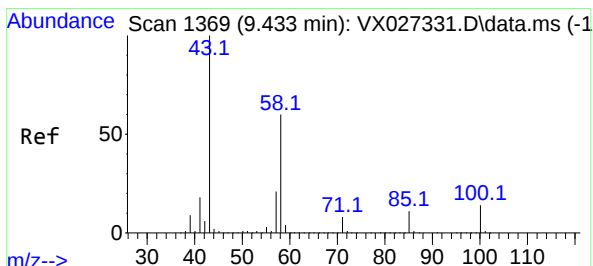
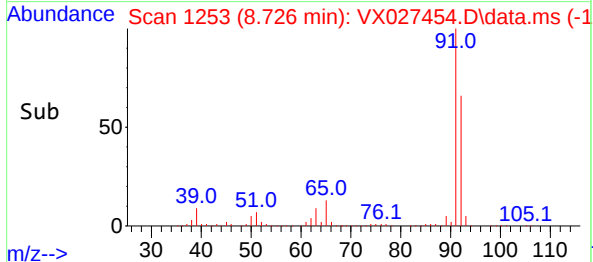
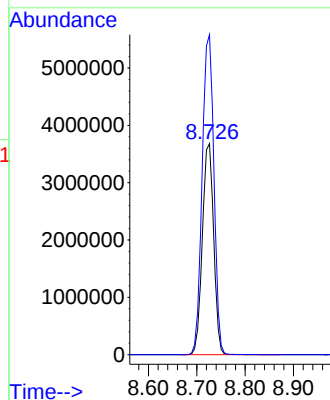
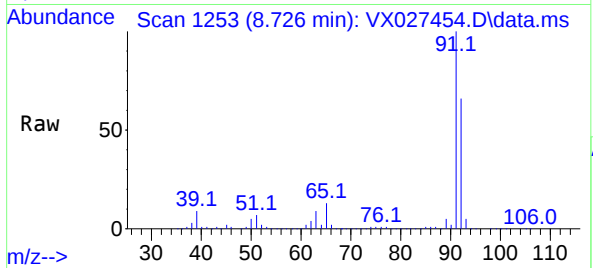




#52  
Toluene  
Concen: 588.377 ug/l  
RT: 8.726 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

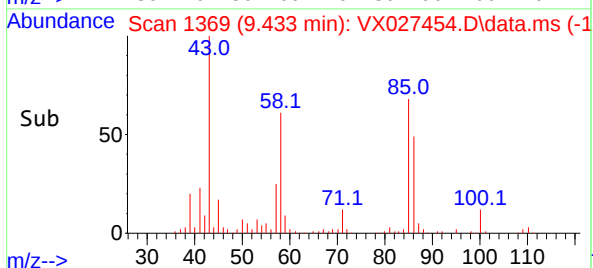
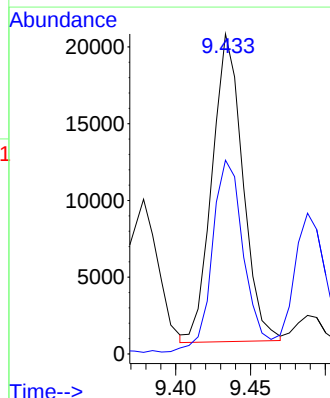
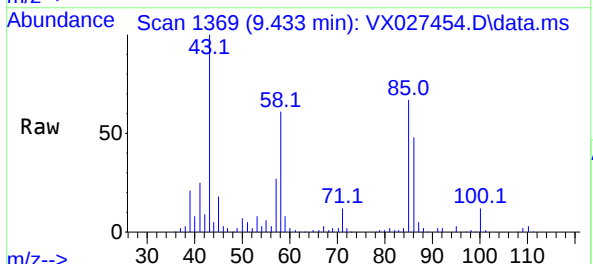
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

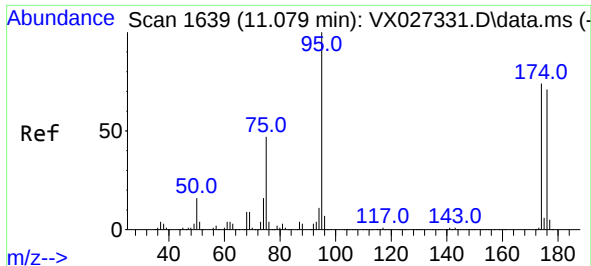
Tgt Ion: 92 Resp: 5971633  
Ion Ratio Lower Upper  
92 100  
91 157.8 137.5 206.3



#59  
2-Hexanone  
Concen: 6.661 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 43 Resp: 28613  
Ion Ratio Lower Upper  
43 100  
58 64.4 31.9 95.7

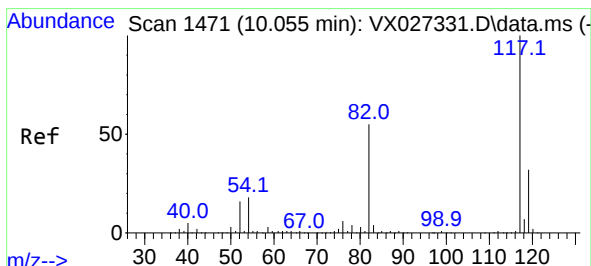
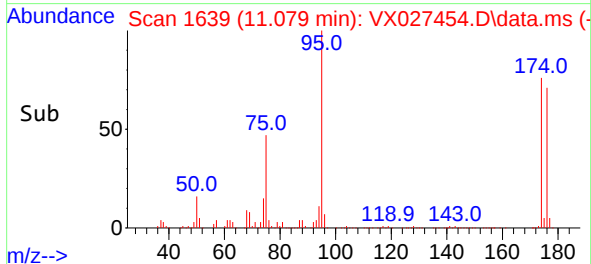
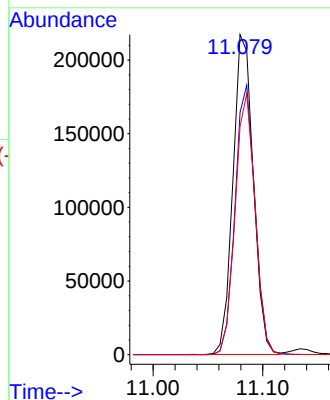
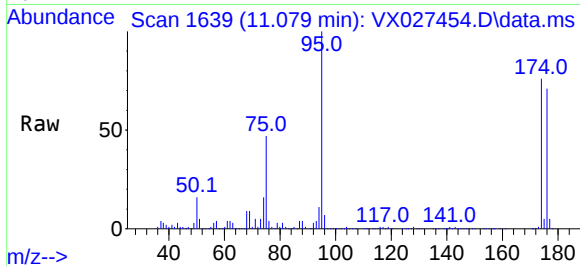




#62  
4-Bromofluorobenzene  
Concen: 51.619 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

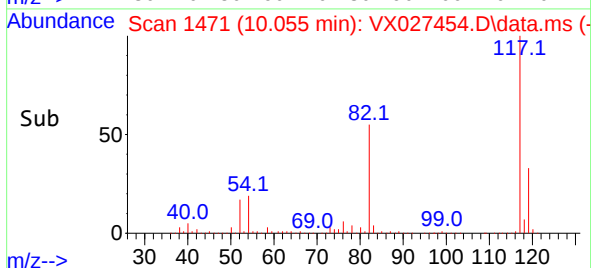
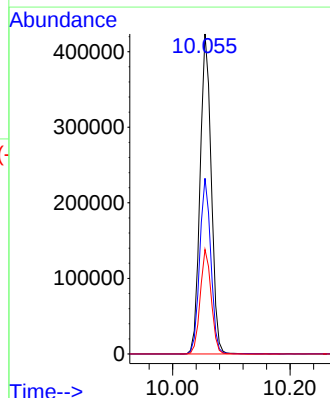
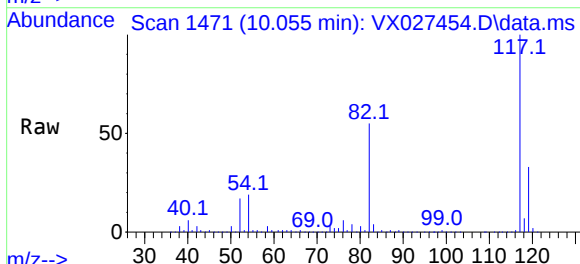
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

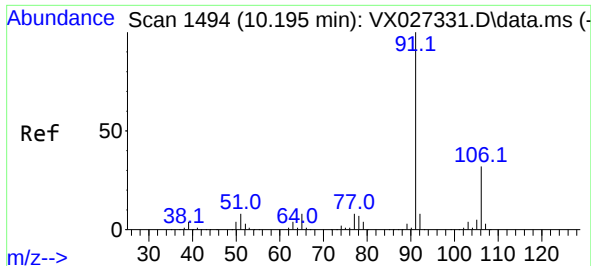
Tgt Ion: 95 Resp: 279627  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 163.0  
176 80.2 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 117 Resp: 555784  
Ion Ratio Lower Upper  
117 100  
82 54.9 41.8 62.8  
119 32.6 24.8 37.2

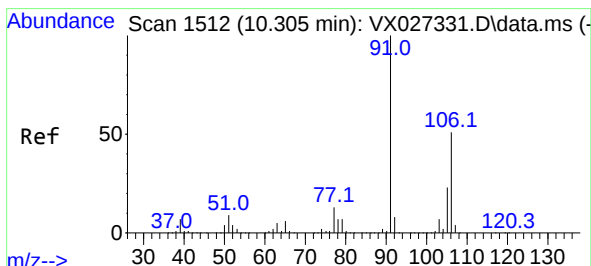
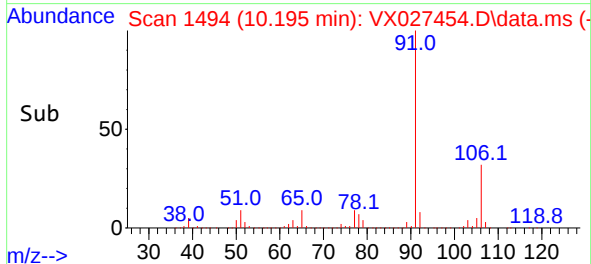
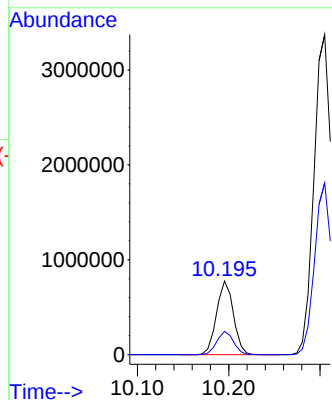
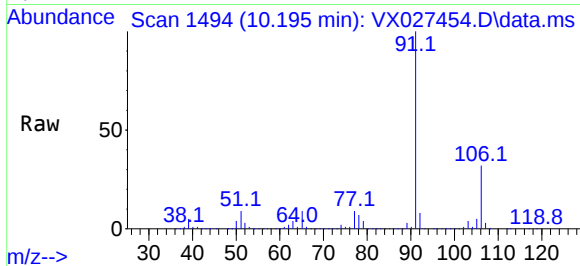




#67  
Ethyl Benzene  
Concen: 49.284 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

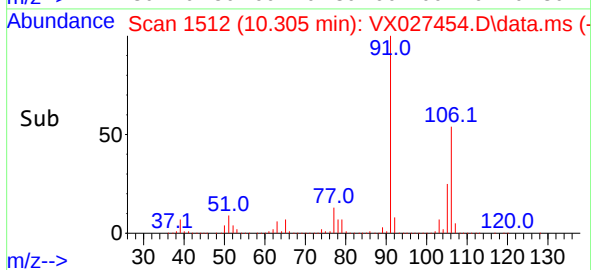
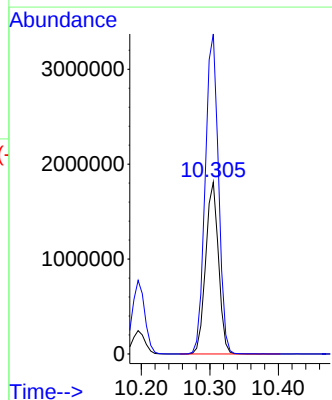
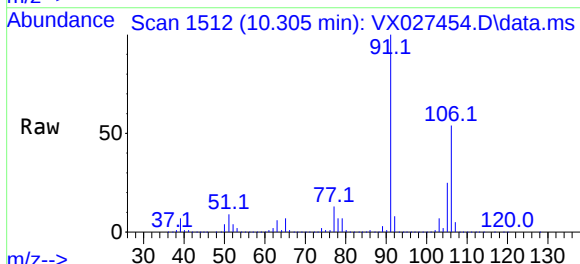
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

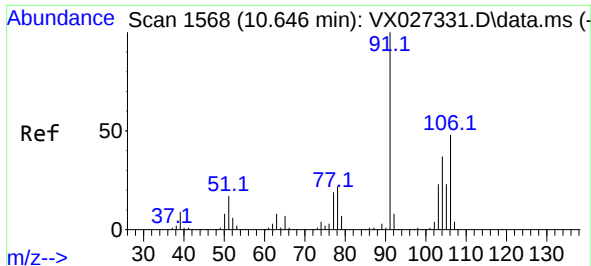
Tgt Ion: 91 Resp: 993800  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.6 36.8



#68  
m/p-Xylenes  
Concen: 297.970 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 106 Resp: 2356803  
Ion Ratio Lower Upper  
106 100  
91 192.8 160.4 240.6

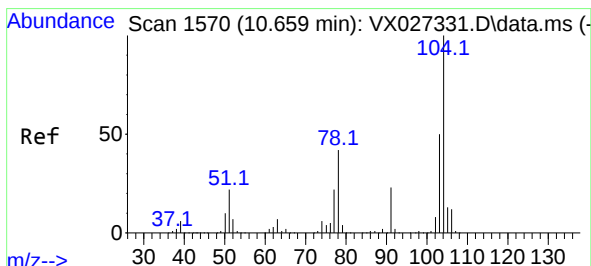
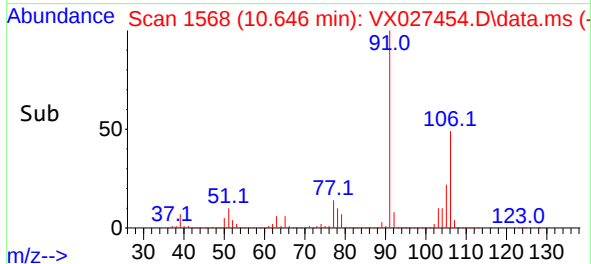
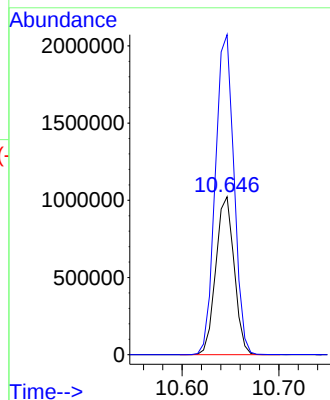
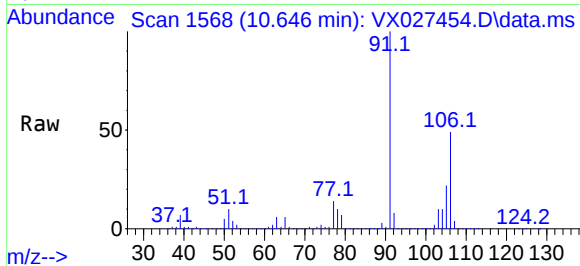




#69  
o-Xylene  
Concen: 172.162 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

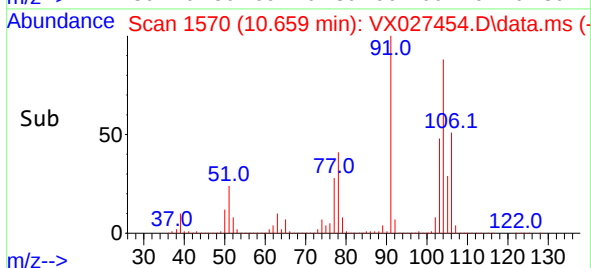
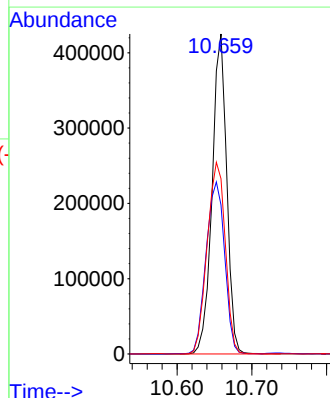
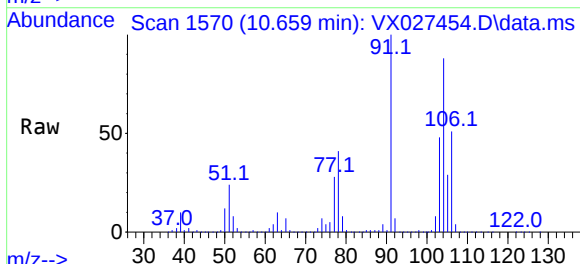
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

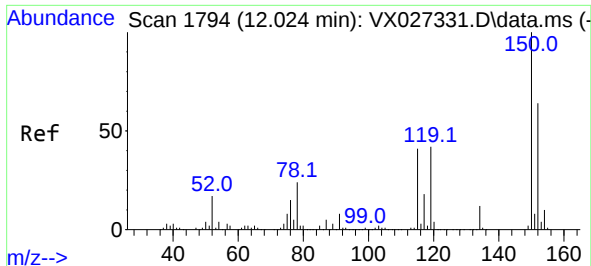
Tgt Ion:106 Resp: 1344421  
Ion Ratio Lower Upper  
106 100  
91 206.4 106.1 318.1



#70  
Styrene  
Concen: 44.434 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion:104 Resp: 575971  
Ion Ratio Lower Upper  
104 100  
78 68.5 38.6 57.8#  
103 74.3 43.8 65.8#

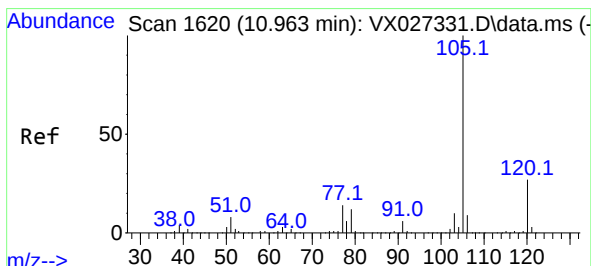
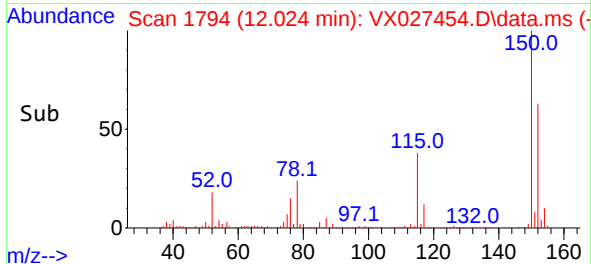
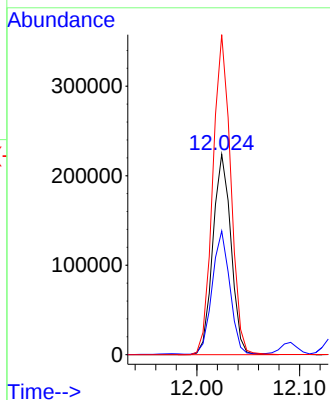
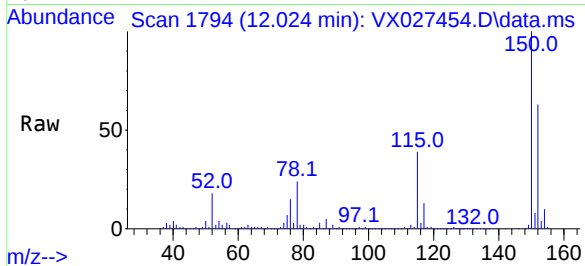




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

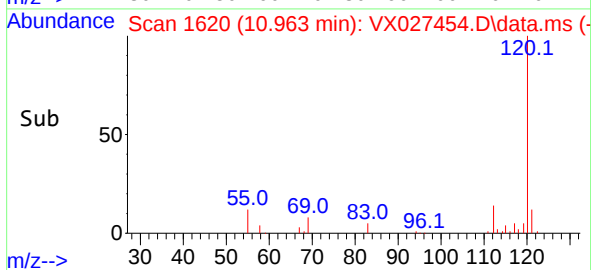
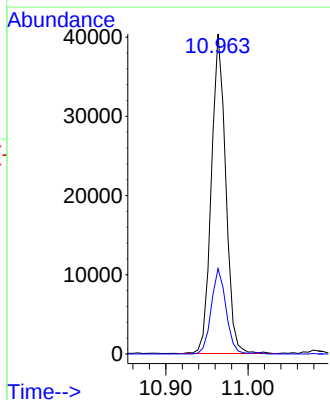
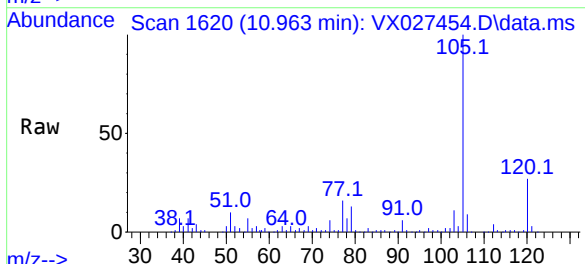
Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

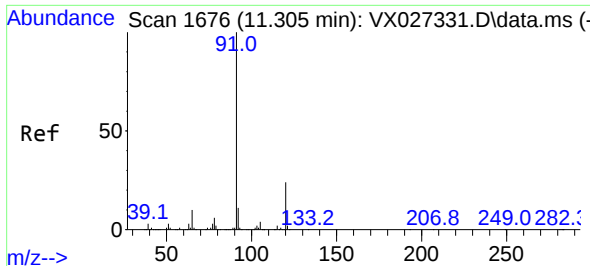
Tgt Ion:152 Resp: 273131  
Ion Ratio Lower Upper  
152 100  
115 60.1 37.5 112.7  
150 158.3 0.0 338.2



#73  
Isopropylbenzene  
Concen: 2.448 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion:105 Resp: 48901  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.5 40.5

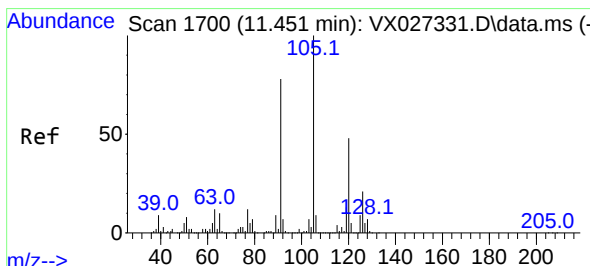
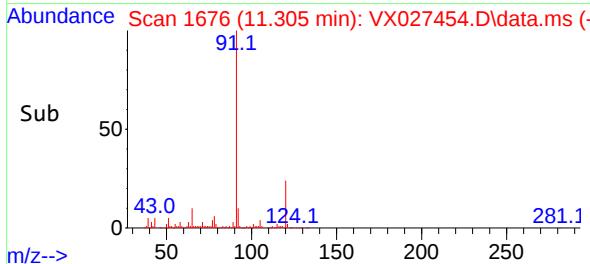
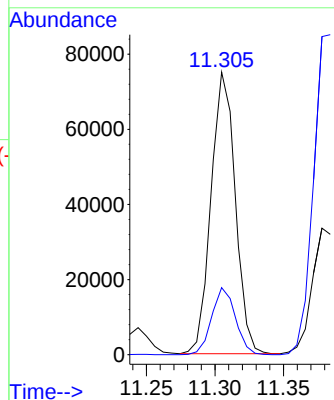
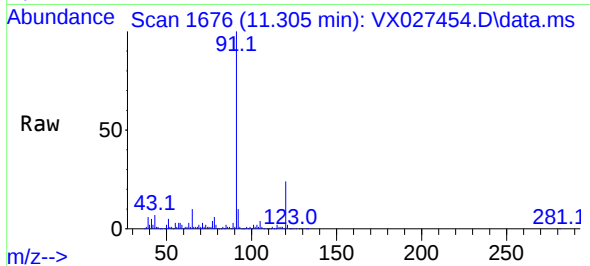




#78  
n-propylbenzene  
Concen: 4.103 ug/l  
RT: 11.305 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

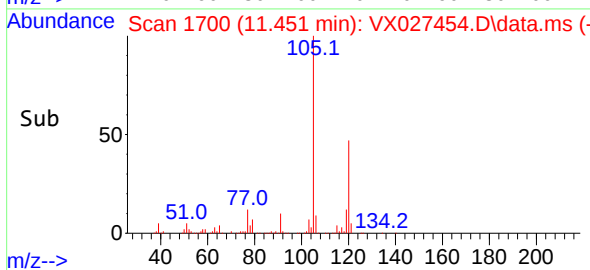
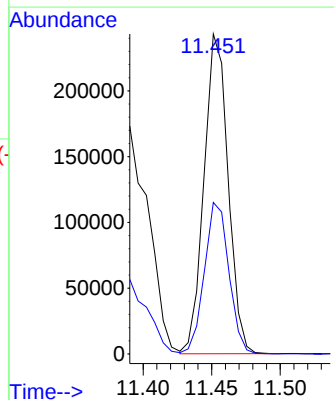
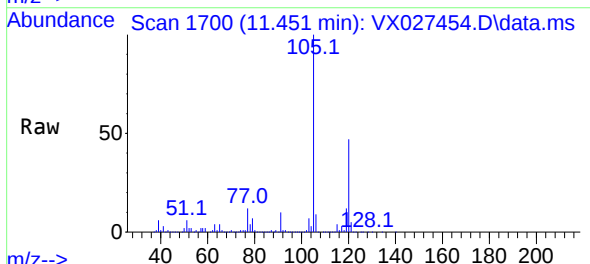
Instrument :  
MSVOA\_X  
ClientSampleId :  
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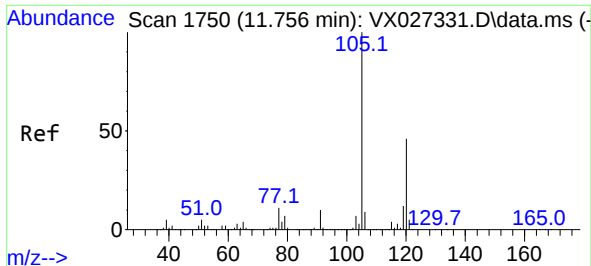
Tgt Ion: 91 Resp: 92184  
Ion Ratio Lower Upper  
91 100  
120 23.3 11.6 34.8



#80  
1,3,5-Trimethylbenzene  
Concen: 17.382 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion: 105 Resp: 297680  
Ion Ratio Lower Upper  
105 100  
120 48.2 24.3 72.9

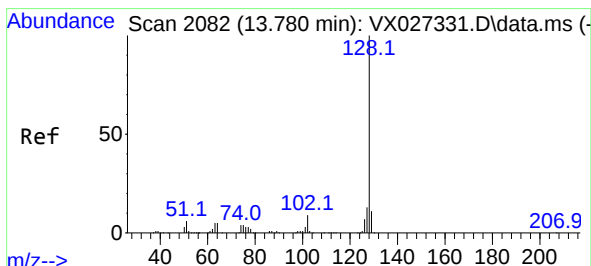
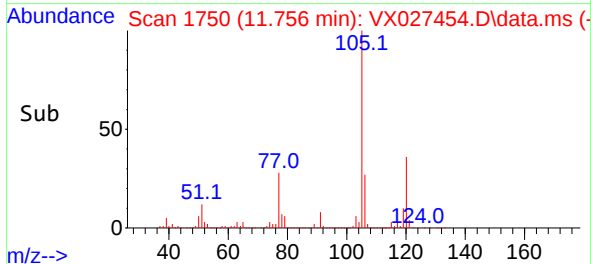
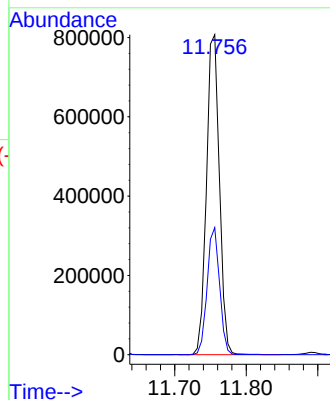
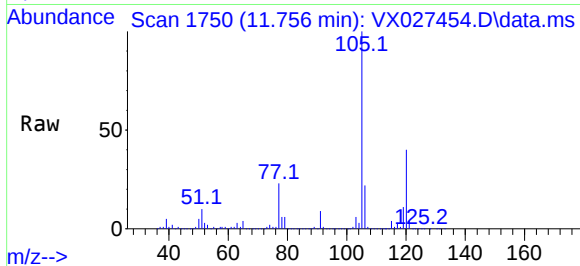




#84  
1,2,4-Trimethylbenzene  
Concen: 59.704 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
33584

Tgt Ion:105 Resp: 1014108  
Ion Ratio Lower Upper  
105 100  
120 38.2 22.6 67.8



#95  
Naphthalene  
Concen: 330.668 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX027454.D  
Acq: 15 Mar 2022 17:55

Tgt Ion:128 Resp: 6803743  
Ion Ratio Lower Upper  
128 100  
127 14.4 10.2 15.4  
129 12.5 8.7 13.1

