

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031522\  
 Data File : VX027458.D  
 Acq On : 15 Mar 2022 19:29  
 Operator : JC/MD  
 Sample : N1924-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 33606

Quant Time: Mar 16 04:21:48 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

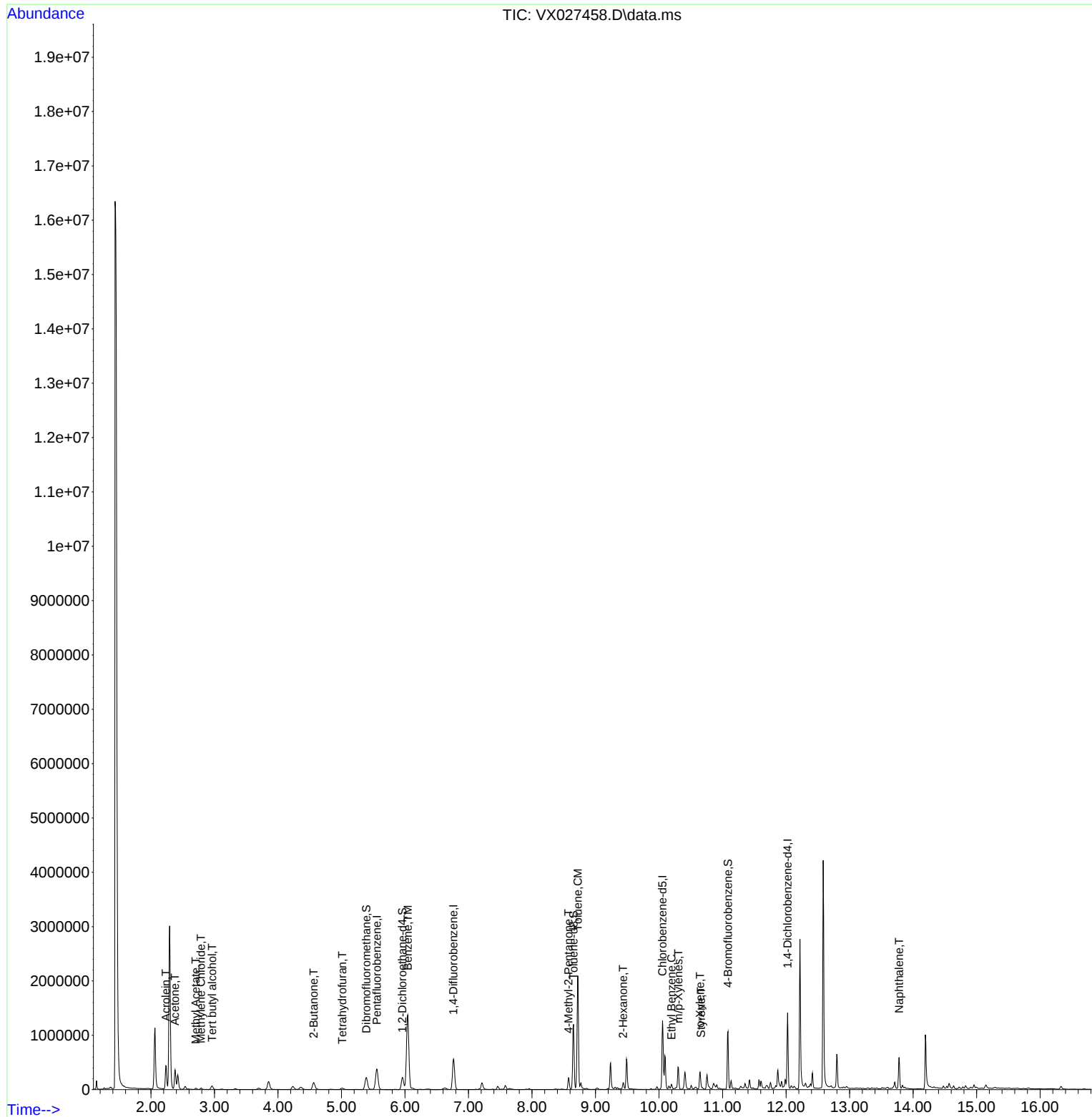
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168            | 366978   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114            | 598515   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 609766   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 290441   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65             | 223782   | 52.291     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 61 - 141 | Recovery | = 104.580% |        |          |
| 35) Dibromofluoromethane    | 5.391  | 113            | 193597   | 50.129     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 69 - 133 | Recovery | = 100.260% |        |          |
| 50) Toluene-d8              | 8.653  | 98             | 747823   | 51.291     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 65 - 126 | Recovery | = 102.580% |        |          |
| 62) 4-Bromofluorobenzene    | 11.085 | 95             | 292894   | 52.708     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 58 - 135 | Recovery | = 105.420% |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            |        | Qvalue   |
| 11) Tert butyl alcohol      | 2.965  | 59             | 74447    | 88.737     | ug/l   | 99       |
| 13) Acrolein                | 2.233  | 56             | 324115   | 551.143    | ug/l   | 98       |
| 16) Acetone                 | 2.380  | 43             | 358802   | 215.937    | ug/l   | 97       |
| 18) Methyl Acetate          | 2.703  | 43             | 27720    | 5.892      | ug/l   | 94       |
| 20) Methylene Chloride      | 2.788  | 84             | 11903    | 2.847      | ug/l   | 96       |
| 25) 2-Butanone              | 4.562  | 43             | 208148   | 70.611     | ug/l   | 100      |
| 29) Tetrahydrofuran         | 5.013  | 42             | 5555     | 2.848      | ug/l # | 82       |
| 40) Benzene                 | 6.043  | 78             | 1686384  | 103.261    | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone    | 8.574  | 43             | 121848   | 21.361     | ug/l   | 95       |
| 52) Toluene                 | 8.720  | 92             | 783877   | 75.292     | ug/l   | 100      |
| 59) 2-Hexanone              | 9.433  | 43             | 23375    | 5.305      | ug/l   | 86       |
| 67) Ethyl Benzene           | 10.195 | 91             | 49737    | 2.248      | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.305 | 106            | 101270   | 11.670     | ug/l   | 100      |
| 69) o-Xylene                | 10.646 | 106            | 62827    | 7.333      | ug/l   | 100      |
| 70) Styrene                 | 10.659 | 104            | 34868    | 2.452      | ug/l # | 78       |
| 95) Naphthalene             | 13.780 | 128            | 296629   | 13.557     | ug/l   | 100      |
| -----                       |        |                |          |            |        |          |

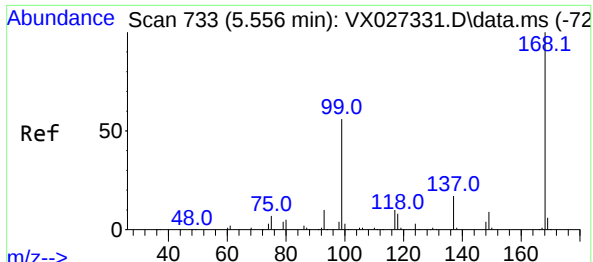
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031522\  
Data File : VX027458.D  
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Sample : N1924-09  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Quant Title : SW846 8260  
QLast Update : Tue Mar 08 15:54:34 2022  
Response via : Initial Calibration

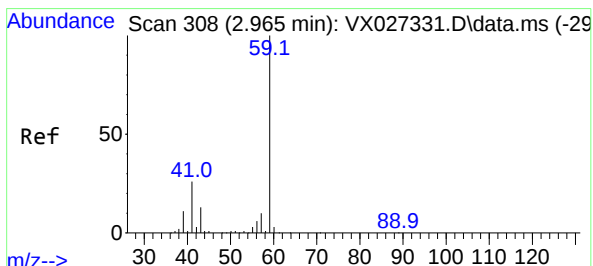
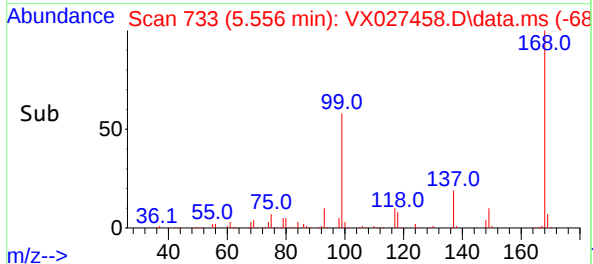
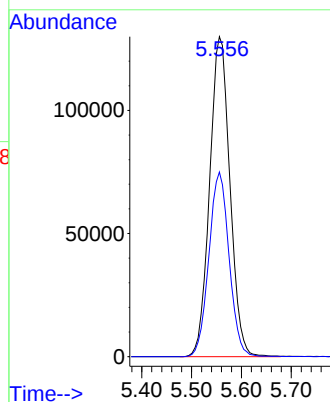
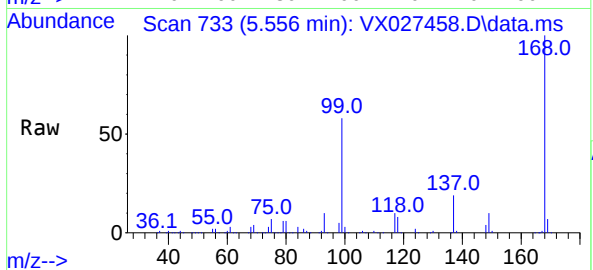




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

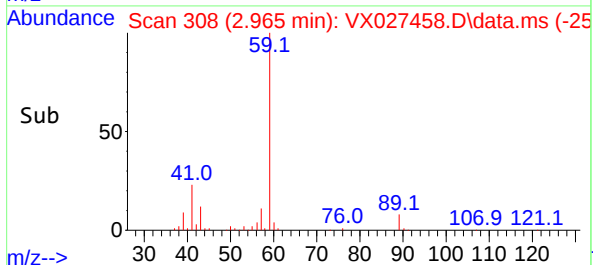
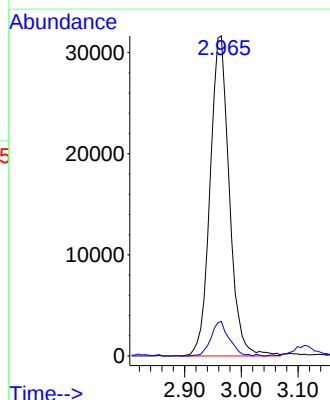
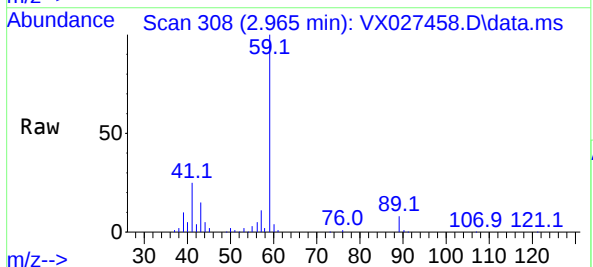
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

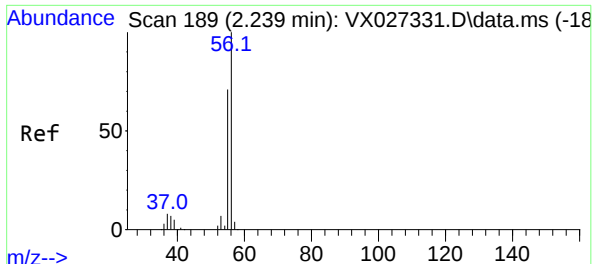
Tgt Ion:168 Resp: 366978  
Ion Ratio Lower Upper  
168 100  
99 57.7 41.7 62.5



#11  
Tert butyl alcohol  
Concen: 88.737 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 59 Resp: 74447  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.3 12.5





#13

Acrolein

Concen: 551.143 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX027458.D

Acq: 15 Mar 2022 19:29

Instrument :

MSVOA\_X

ClientSampleId :

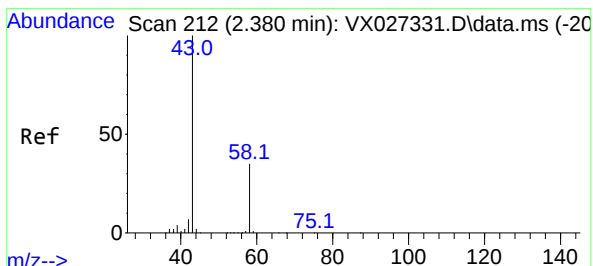
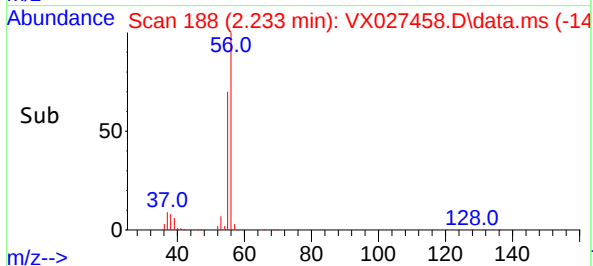
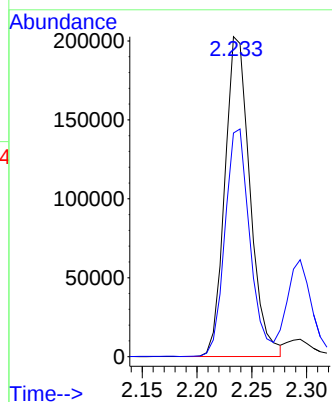
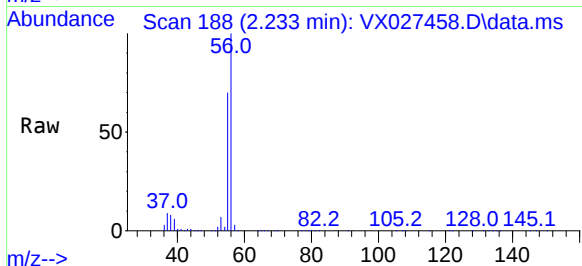
33606

Tgt Ion: 56 Resp: 324115

Ion Ratio Lower Upper

56 100

55 70.3 55.0 82.6



#16

Acetone

Concen: 215.937 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027458.D

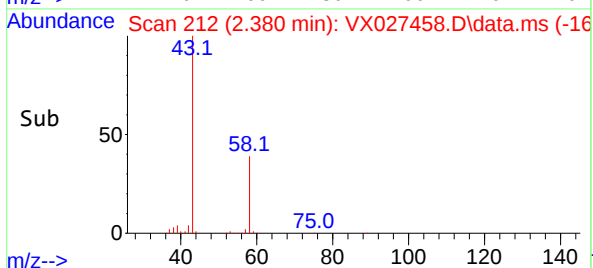
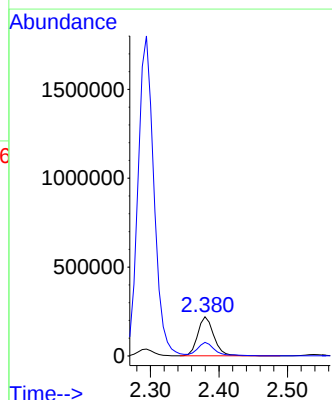
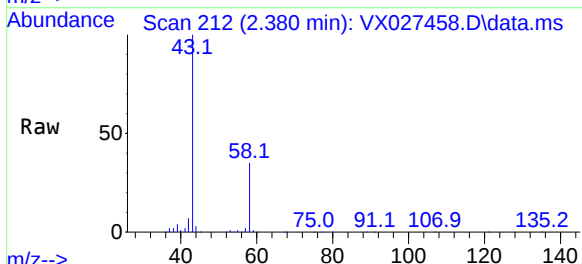
Acq: 15 Mar 2022 19:29

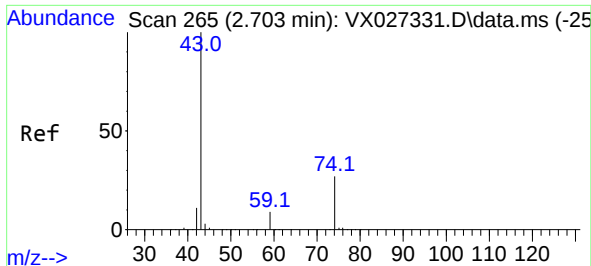
Tgt Ion: 43 Resp: 358802

Ion Ratio Lower Upper

43 100

58 34.4 28.8 43.2

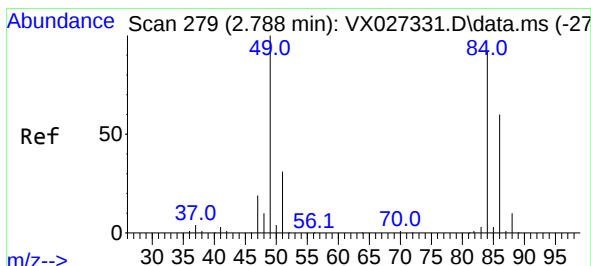
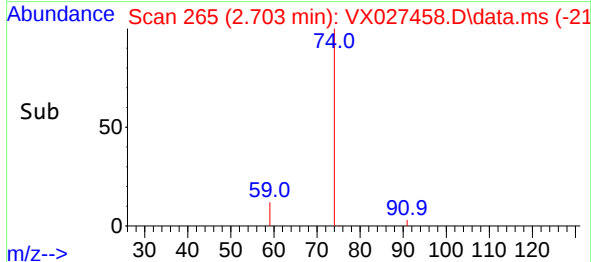
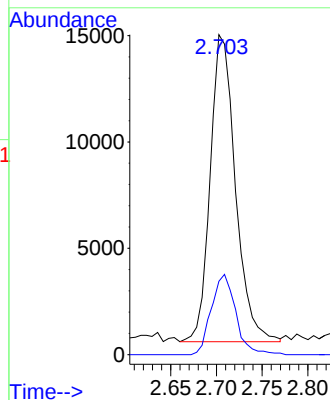
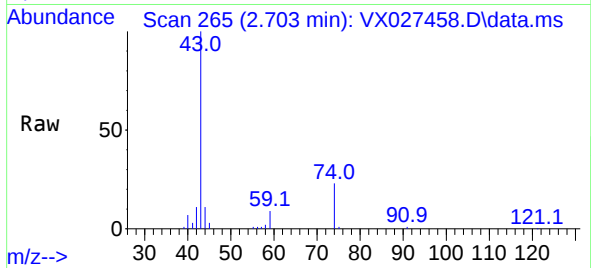




#18  
Methyl Acetate  
Concen: 5.892 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

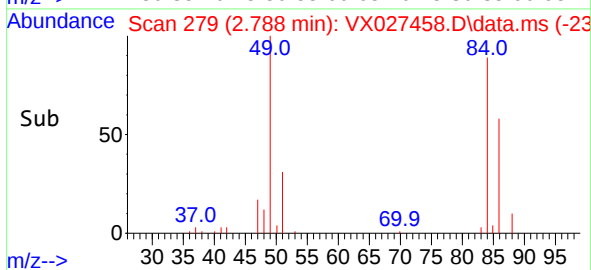
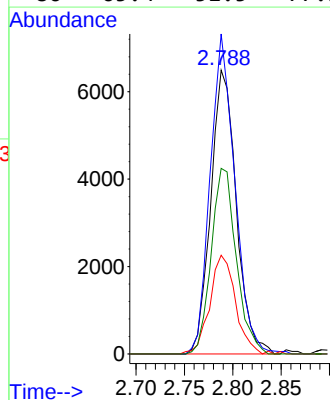
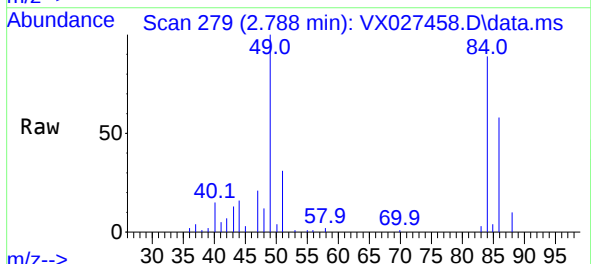
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

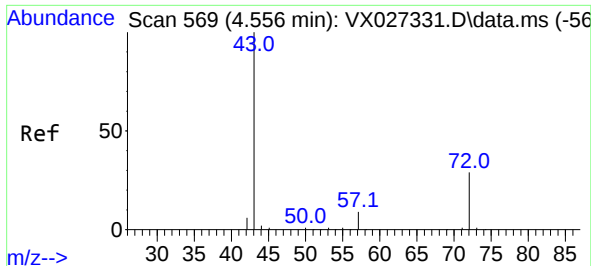
Tgt Ion: 43 Resp: 27720  
Ion Ratio Lower Upper  
43 100  
74 25.3 22.8 34.2



#20  
Methylene Chloride  
Concen: 2.847 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 84 Resp: 11903  
Ion Ratio Lower Upper  
84 100  
49 112.8 85.5 128.3  
51 34.8 26.6 39.8  
86 65.4 51.5 77.3





#25

2-Butanone

Concen: 70.611 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027458.D

Acq: 15 Mar 2022 19:29

Instrument :

MSVOA\_X

ClientSampleId :

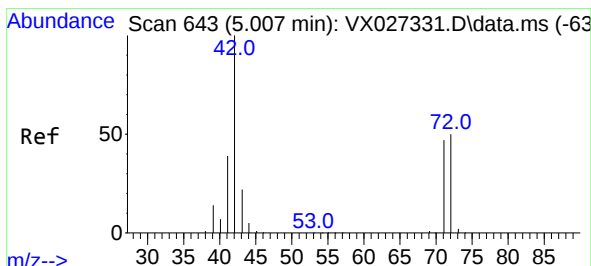
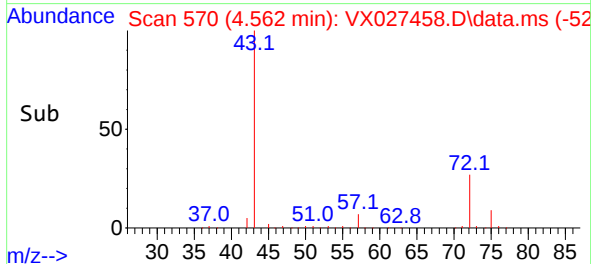
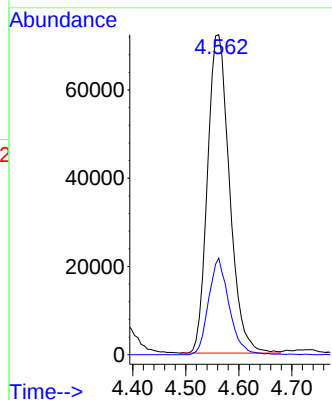
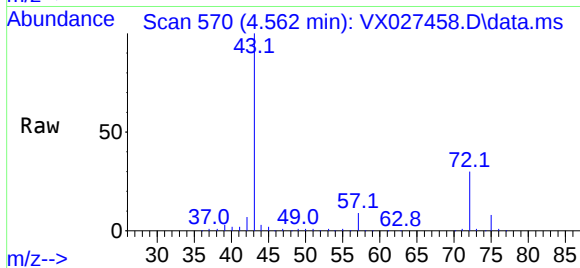
33606

Tgt Ion: 43 Resp: 208148

Ion Ratio Lower Upper

43 100

72 30.4 24.4 36.6



#29

Tetrahydrofuran

Concen: 2.848 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX027458.D

Acq: 15 Mar 2022 19:29

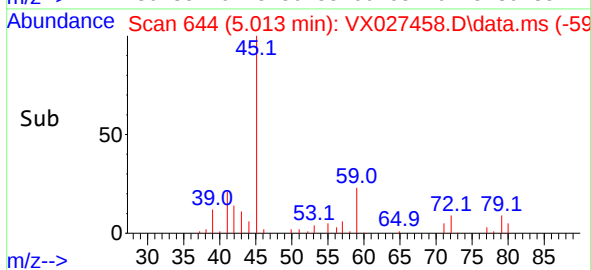
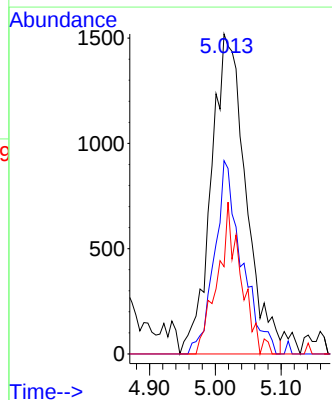
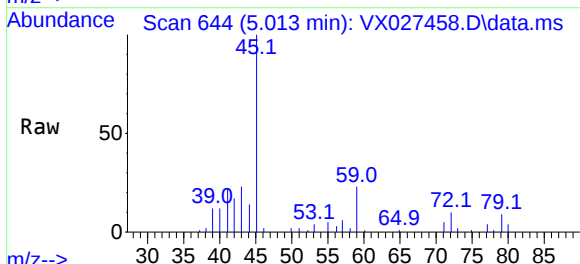
Tgt Ion: 42 Resp: 5555

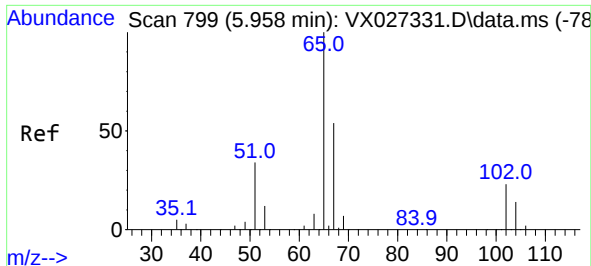
Ion Ratio Lower Upper

42 100

72 47.5 44.1 66.1

71 32.3 40.5 60.7#

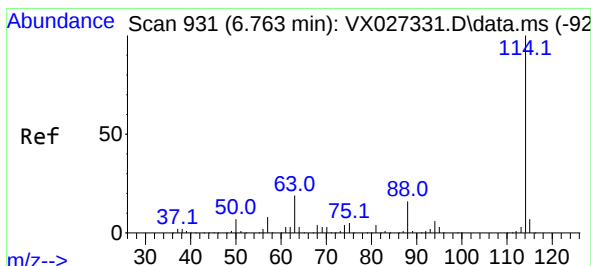
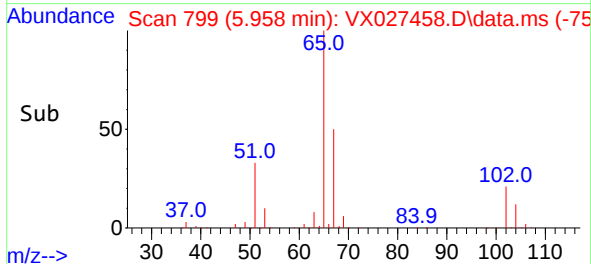
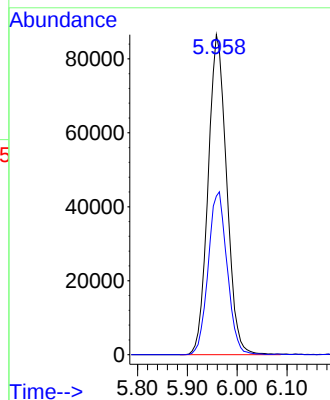
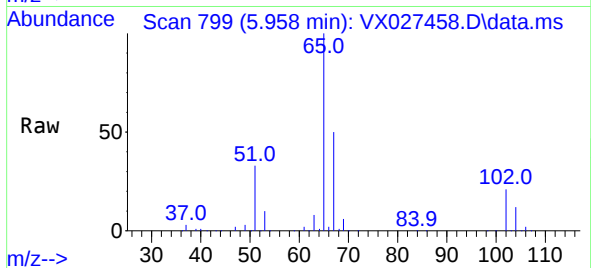




#33  
1,2-Dichloroethane-d4  
Concen: 52.291 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

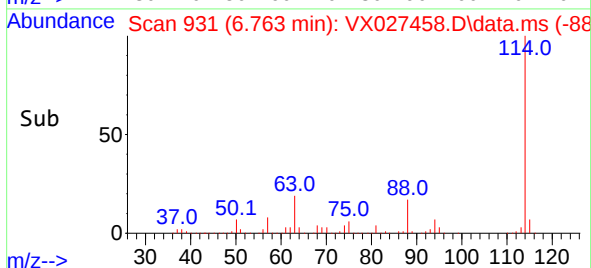
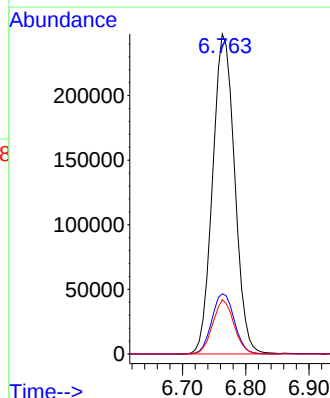
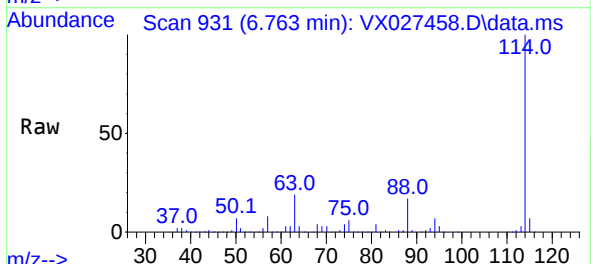
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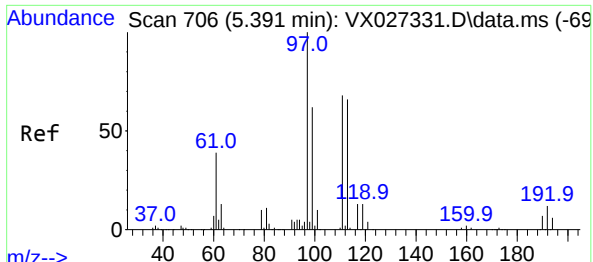
Tgt Ion: 65 Resp: 223782  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 107.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 114 Resp: 598515  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 36.8  
88 17.0 0.0 32.4



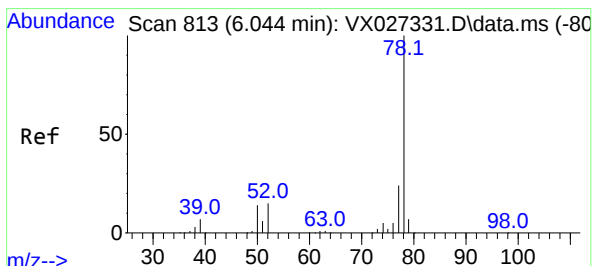
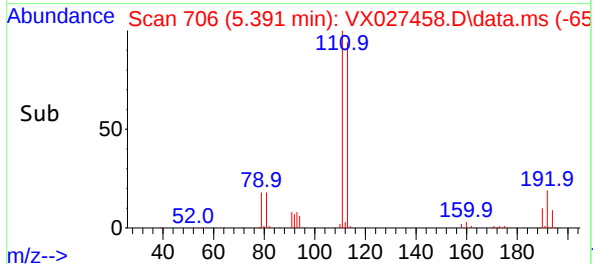
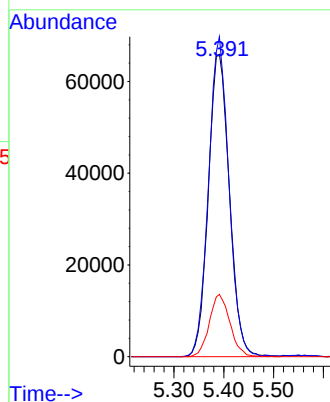
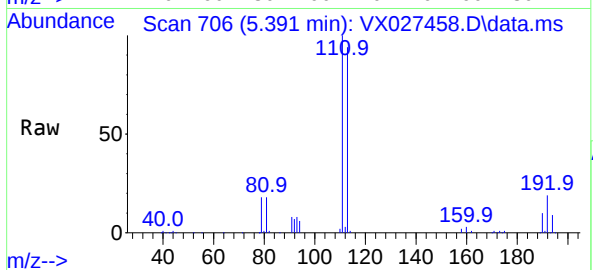


#35  
 Dibromofluoromethane  
 Concen: 50.129 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX027458.D  
 Acq: 15 Mar 2022 19:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 33606

Tgt Ion:113 Resp: 193597

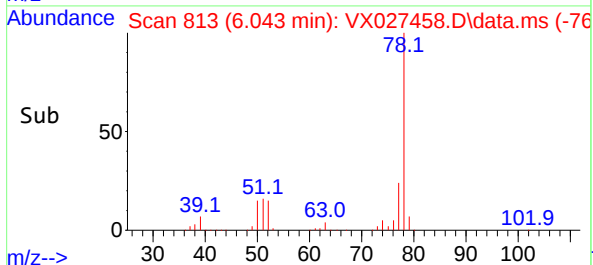
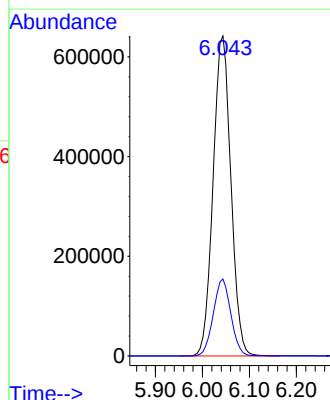
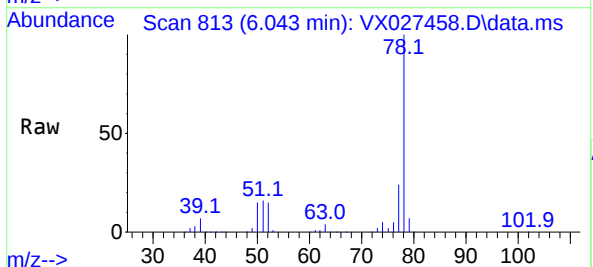
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.3 | 82.8  | 124.2 |
| 192 | 20.1  | 16.9  | 25.3  |

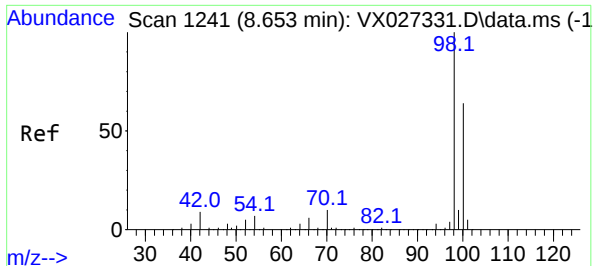


#40  
 Benzene  
 Concen: 103.261 ug/l  
 RT: 6.043 min Scan# 813  
 Delta R.T. -0.001 min  
 Lab File: VX027458.D  
 Acq: 15 Mar 2022 19:29

Tgt Ion: 78 Resp: 1686384

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.1  | 19.3  | 28.9  |

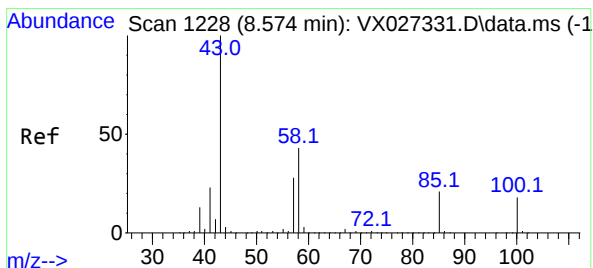
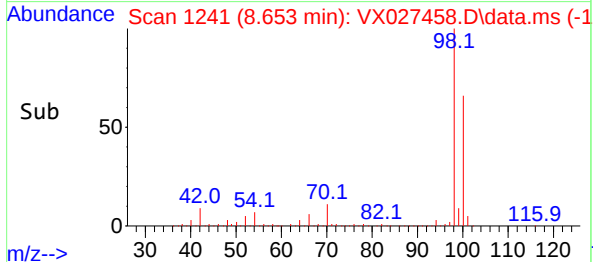
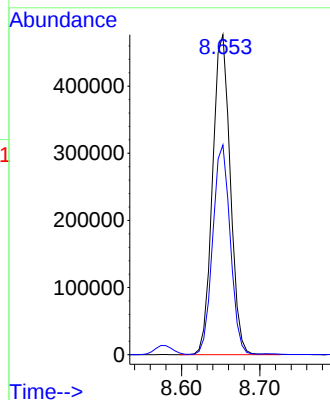
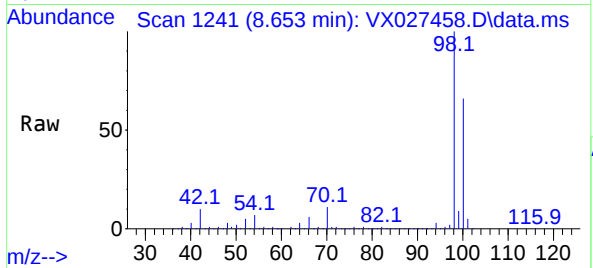




#50  
Toluene-d8  
Concen: 51.291 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

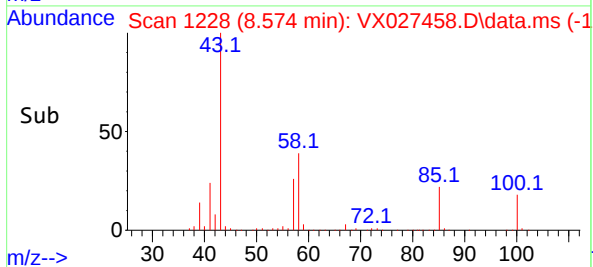
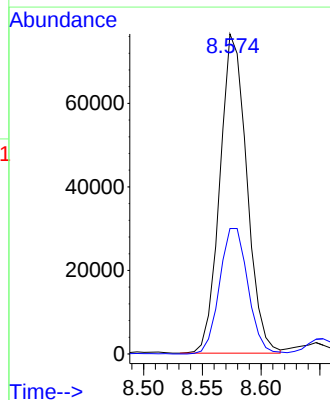
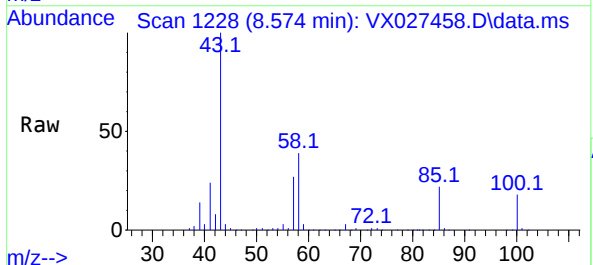
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

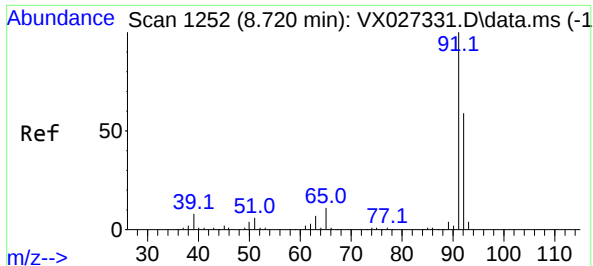
Tgt Ion: 98 Resp: 747823  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 21.361 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 43 Resp: 121848  
Ion Ratio Lower Upper  
43 100  
58 41.6 36.1 54.1

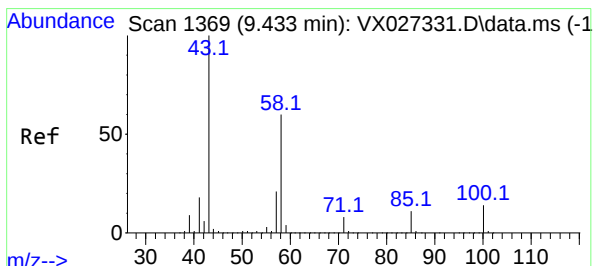
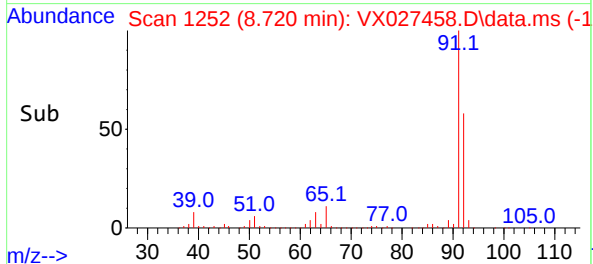
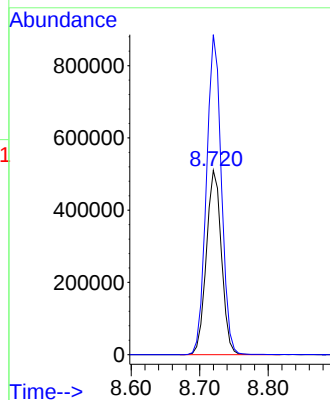
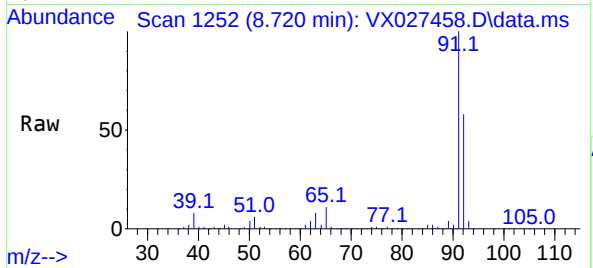




#52  
Toluene  
Concen: 75.292 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

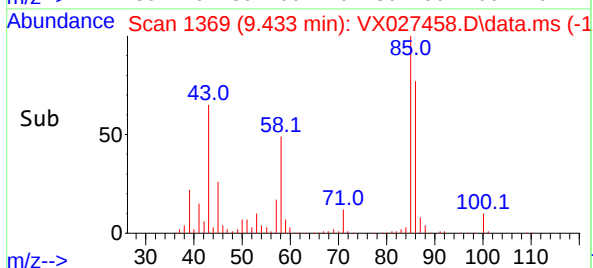
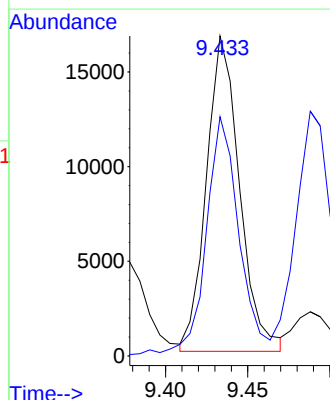
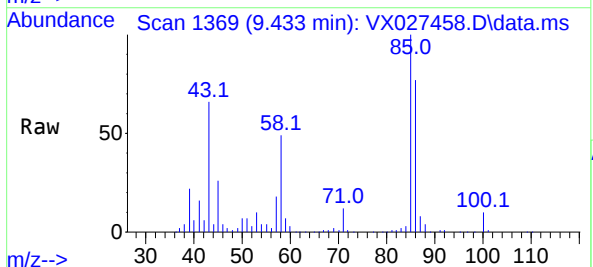
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

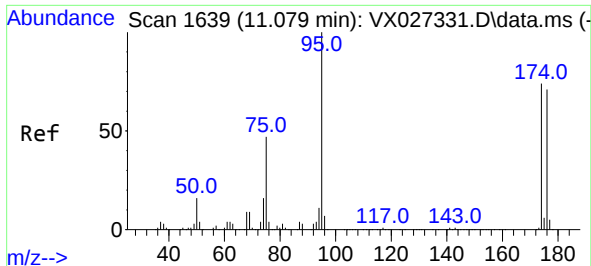
Tgt Ion: 92 Resp: 783877  
Ion Ratio Lower Upper  
92 100  
91 171.4 137.5 206.3



#59  
2-Hexanone  
Concen: 5.305 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 43 Resp: 23375  
Ion Ratio Lower Upper  
43 100  
58 74.4 31.9 95.7

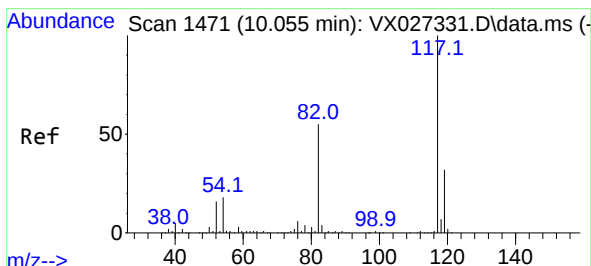
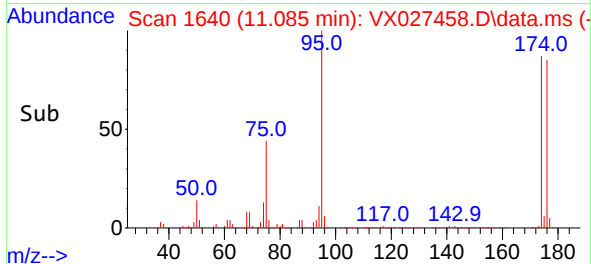
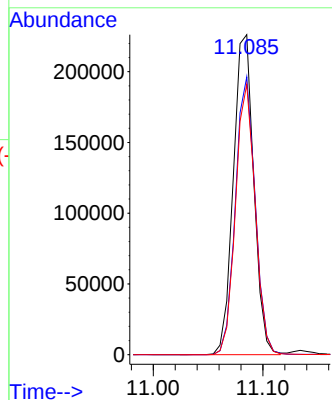
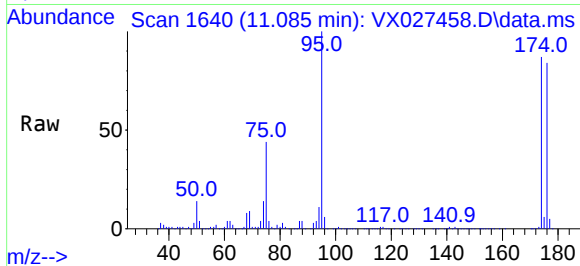




#62  
4-Bromofluorobenzene  
Concen: 52.708 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

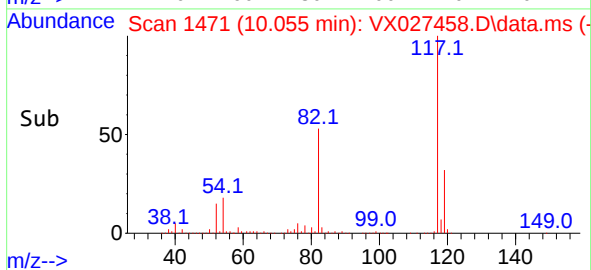
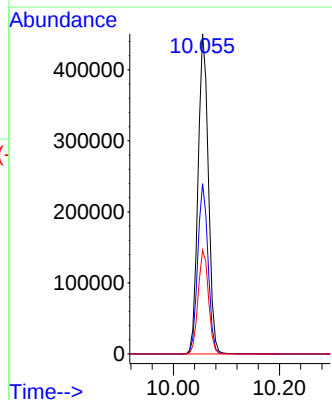
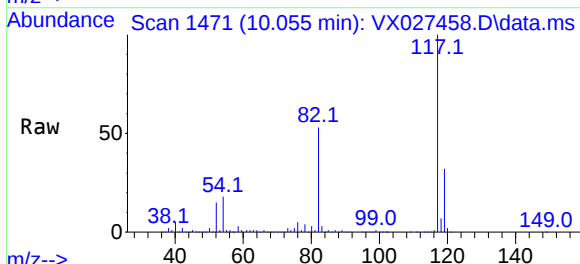
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

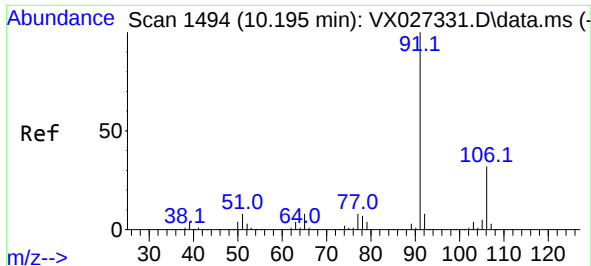
Tgt Ion: 95 Resp: 292894  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 163.0  
176 81.4 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 117 Resp: 609766  
Ion Ratio Lower Upper  
117 100  
82 53.2 41.8 62.8  
119 32.5 24.8 37.2

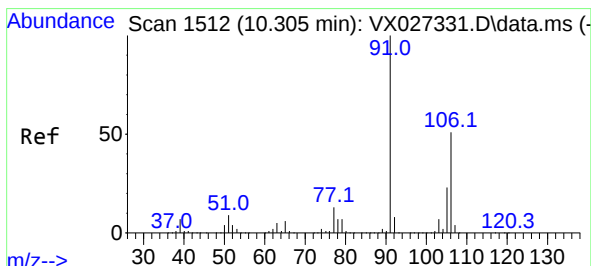
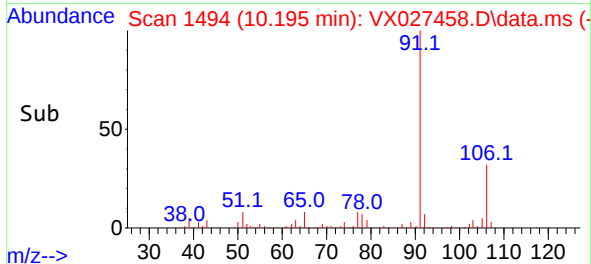
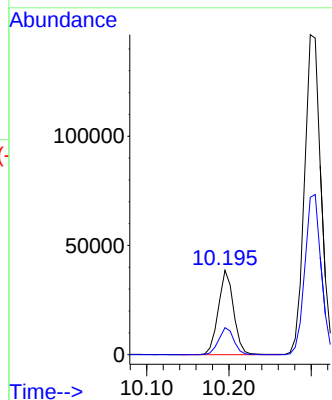
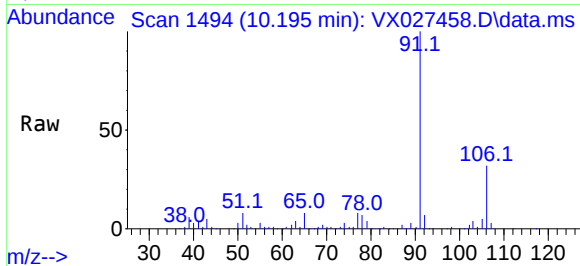




#67  
Ethyl Benzene  
Concen: 2.248 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

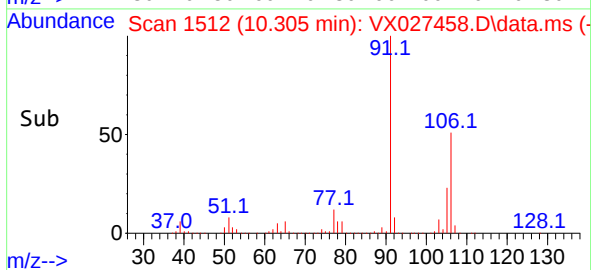
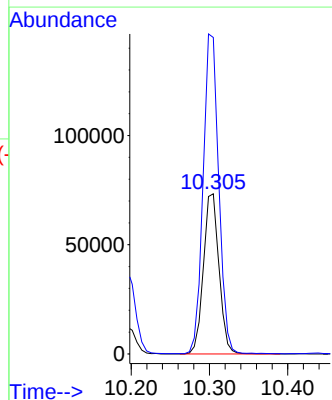
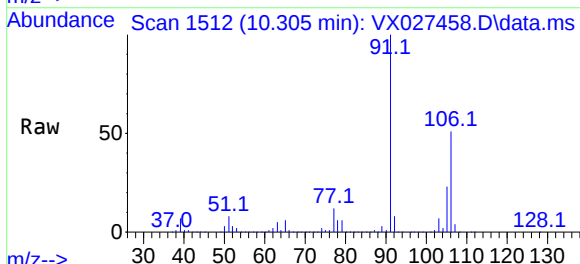
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

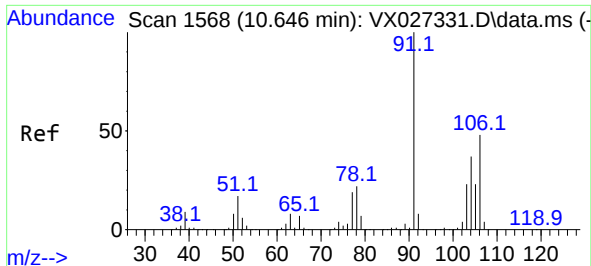
Tgt Ion: 91 Resp: 49737  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.6 36.8



#68  
m/p-Xylenes  
Concen: 11.670 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion: 106 Resp: 101270  
Ion Ratio Lower Upper  
106 100  
91 200.5 160.4 240.6

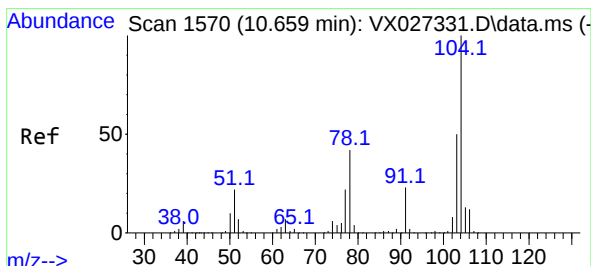
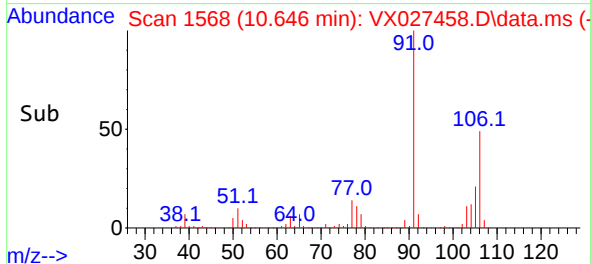
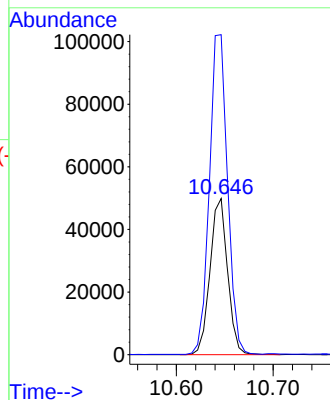
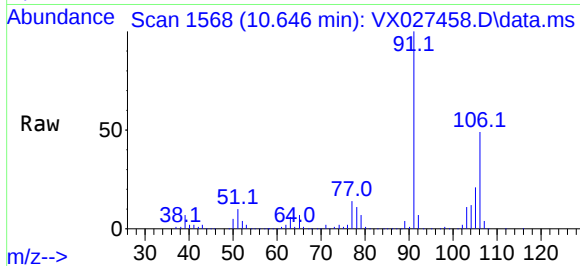




#69  
o-Xylene  
Concen: 7.333 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

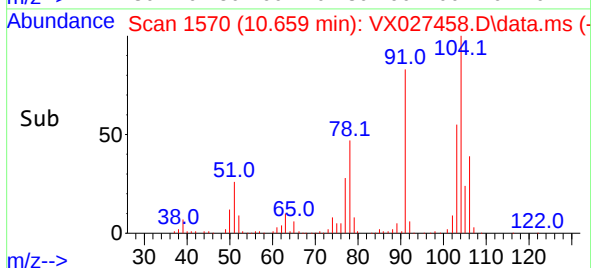
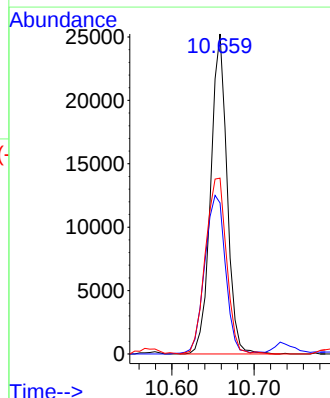
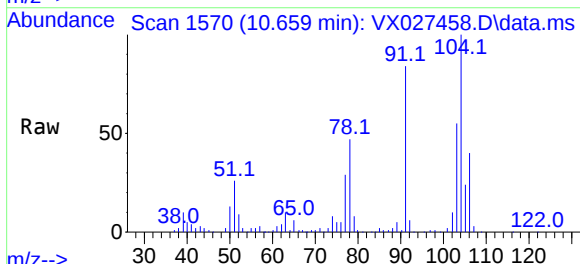
Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

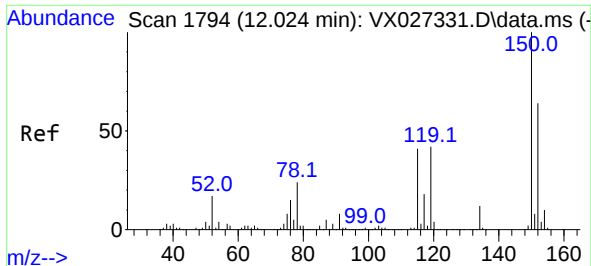
Tgt Ion:106 Resp: 62827  
Ion Ratio Lower Upper  
106 100  
91 211.5 106.1 318.1



#70  
Styrene  
Concen: 2.452 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion:104 Resp: 34868  
Ion Ratio Lower Upper  
104 100  
78 63.4 38.6 57.8#  
103 71.1 43.8 65.8#

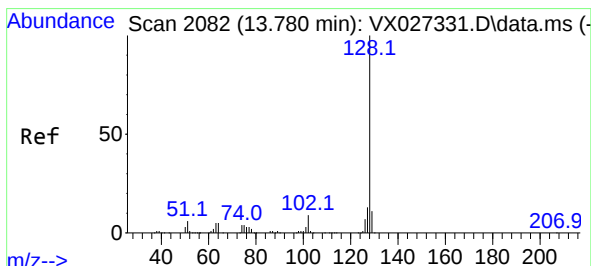
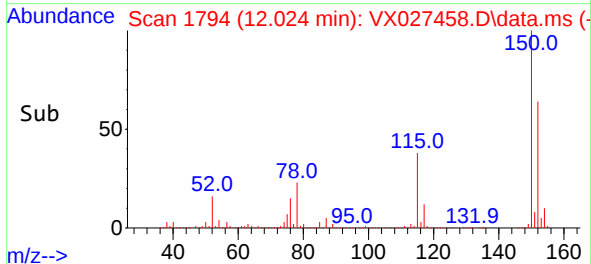
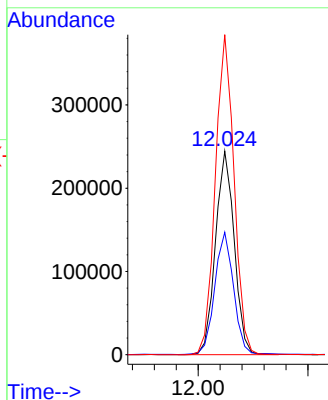
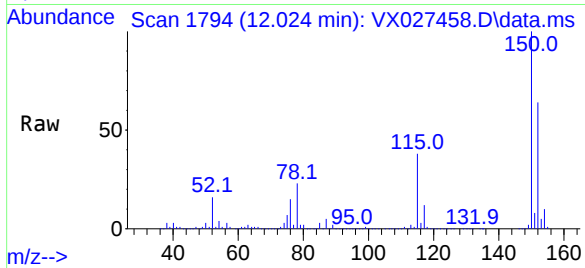




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
33606

Tgt Ion:152 Resp: 290441  
Ion Ratio Lower Upper  
152 100  
115 60.6 37.5 112.7  
150 157.2 0.0 338.2



#95  
Naphthalene  
Concen: 13.557 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX027458.D  
Acq: 15 Mar 2022 19:29

Tgt Ion:128 Resp: 296629  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.4  
129 10.9 8.7 13.1

