

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030524\  
 Data File : VY017569.D  
 Acq On : 05 Mar 2024 14:19  
 Operator : SY/MD  
 Sample : P1669-03RE  
 Misc : 3.09g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-14-VOC

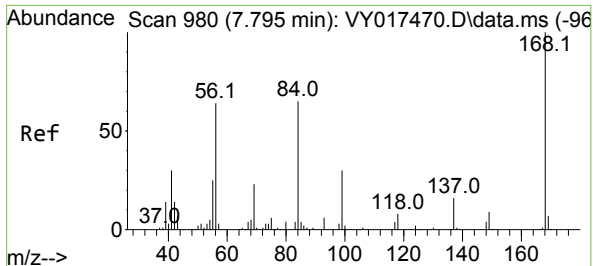
Quant Time: Mar 05 22:04:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795     | 168   | 111547   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 201753   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 182291   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434    | 152   | 70401    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 63594    | 60.155   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 120.320% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 67330    | 47.892   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 95.780%  |          |
| 50) Toluene-d8                | 10.185    | 98    | 228562   | 46.498   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 93.000%  |          |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 63652    | 41.204   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 82.400%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948     | 59    | 587      | 6.537    | ug/l #     | 88       |
| 16) Acetone                   | 3.954     | 43    | 1212     | 5.911    | ug/l #     | 75       |
| 20) Methylene Chloride        | 4.723     | 84    | 20518    | 12.975   | ug/l       | 94       |
| 31) Cyclohexane               | 7.789     | 56    | 2047     | 1.190    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 7805     | 4.115    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 10157    | 5.343    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.191    | 43    | 783      | 1.067    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 32181    | 48.109   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 32181    | 110.544  | ug/l #     | 16       |
| 95) Naphthalene               | 15.245    | 128   | 283      | 4.033    | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

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

Quant Time: Mar 05 22:04:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

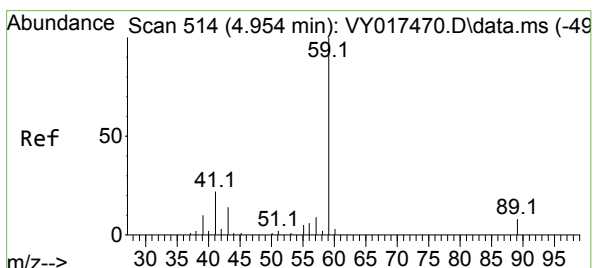
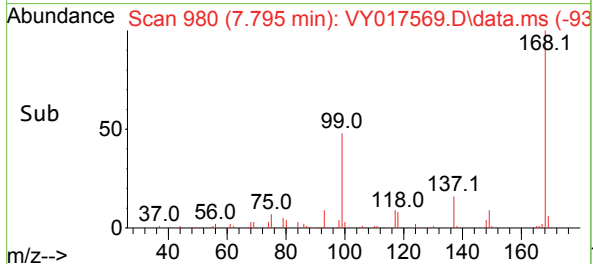
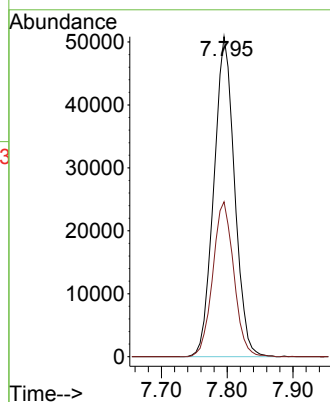
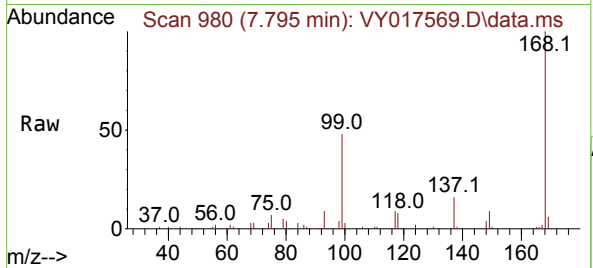




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

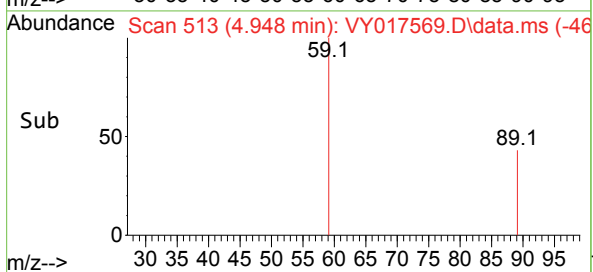
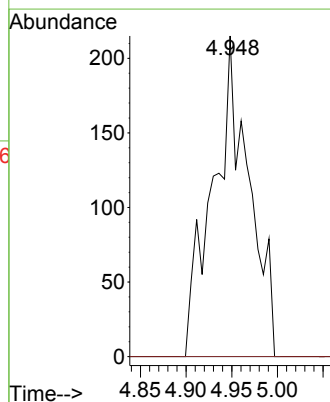
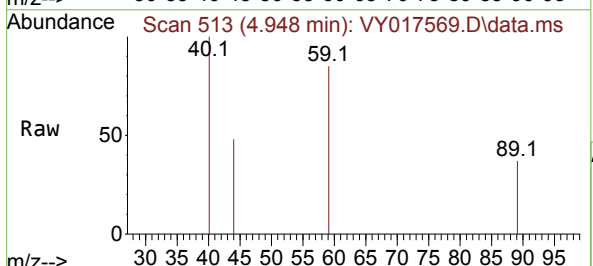
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-14-VOC

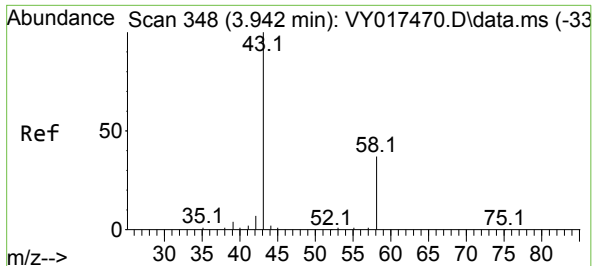
Tgt Ion:168 Resp: 111547  
Ion Ratio Lower Upper  
168 100  
99 48.4 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 6.537 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion: 59 Resp: 587  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.911 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY017569.D

Acq: 05 Mar 2024 14:19

Instrument :

MSVOA\_Y

ClientSampleId :

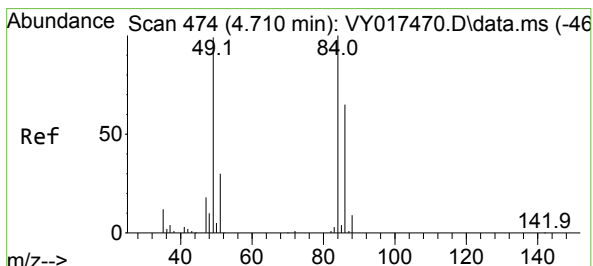
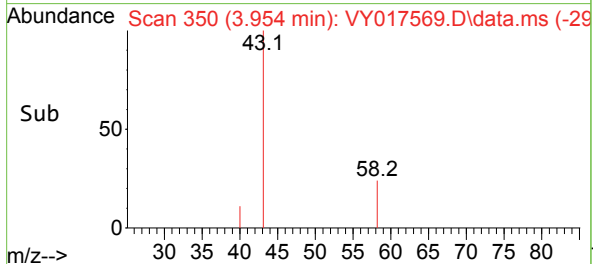
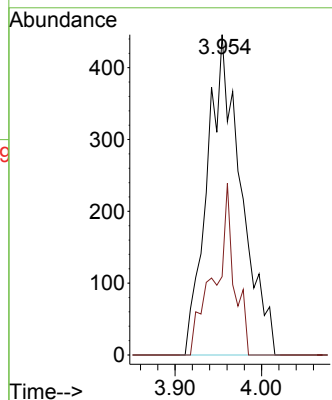
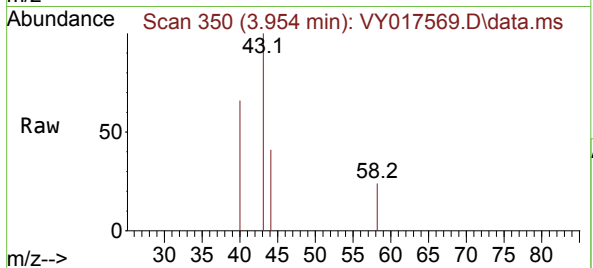
TP-14-VOC

Tgt Ion: 43 Resp: 1212

Ion Ratio Lower Upper

43 100

58 24.4 31.7 47.5#



#20

Methylene Chloride

Concen: 12.975 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.013 min

Lab File: VY017569.D

Acq: 05 Mar 2024 14:19

Tgt Ion: 84 Resp: 20518

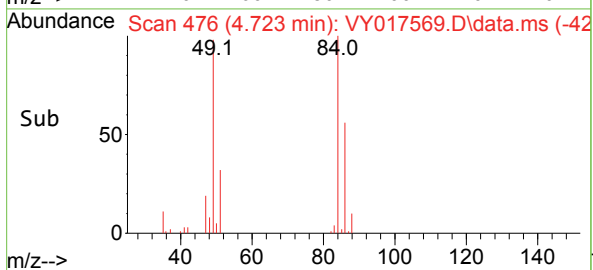
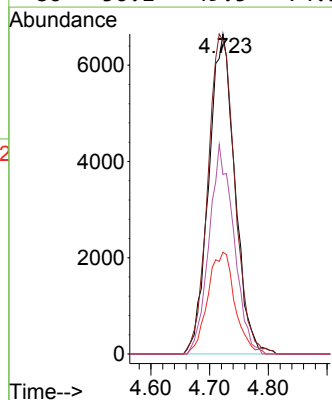
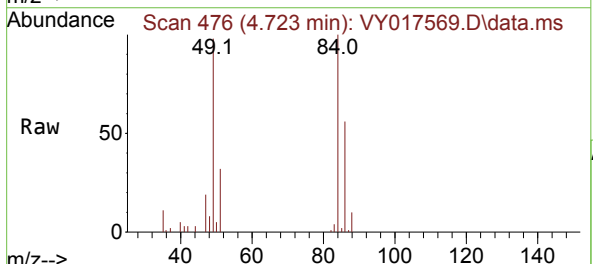
Ion Ratio Lower Upper

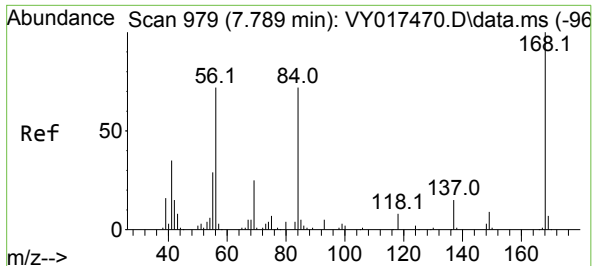
84 100

49 97.8 84.4 126.6

51 31.8 26.0 39.0

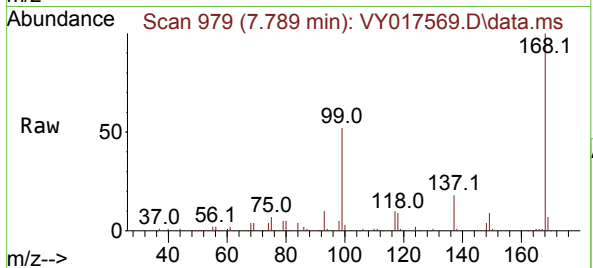
86 56.1 49.5 74.3



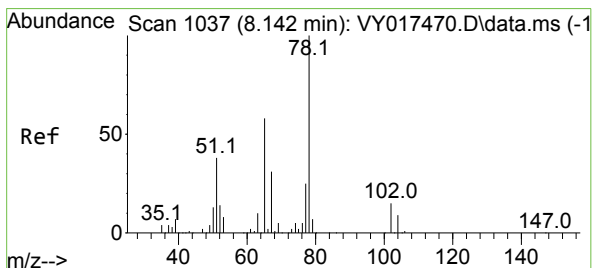
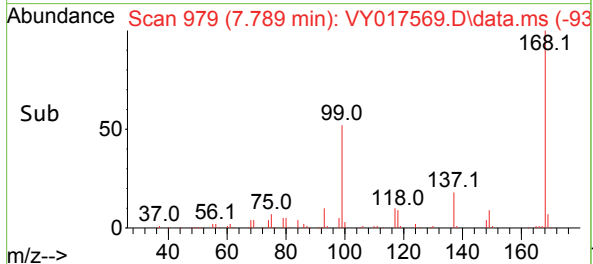
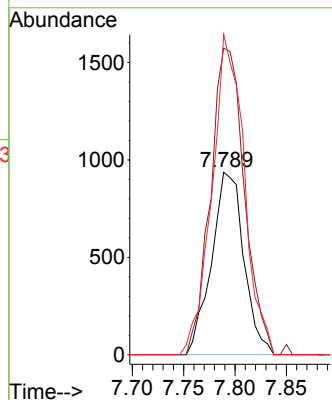


#31  
Cyclohexane  
Concen: 1.190 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-14-VOC

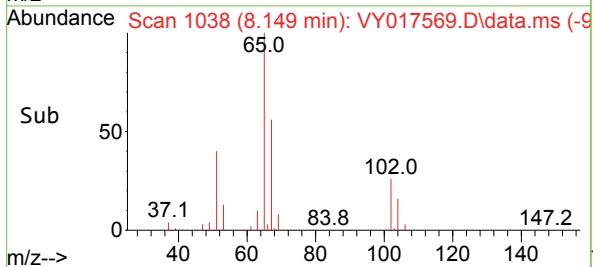
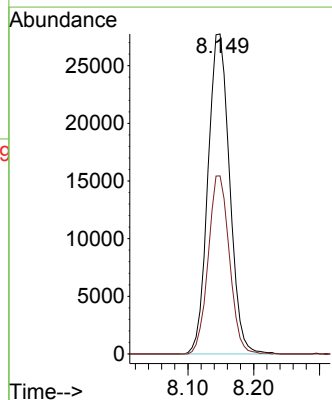
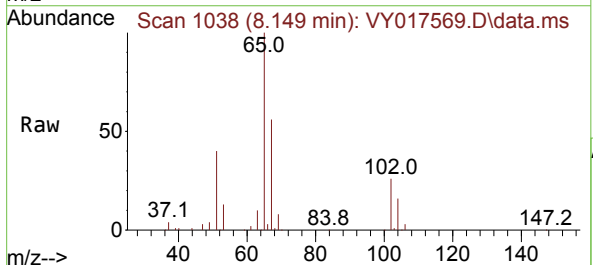


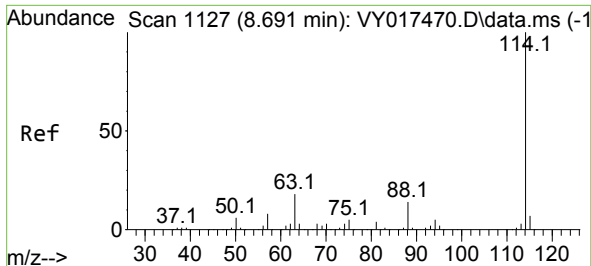
Tgt Ion: 56 Resp: 2047  
Ion Ratio Lower Upper  
56 100  
69 168.0 28.7 43.1#  
84 175.3 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 60.155 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion: 65 Resp: 63594  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 109.6

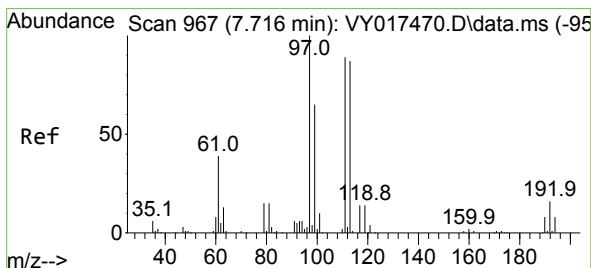
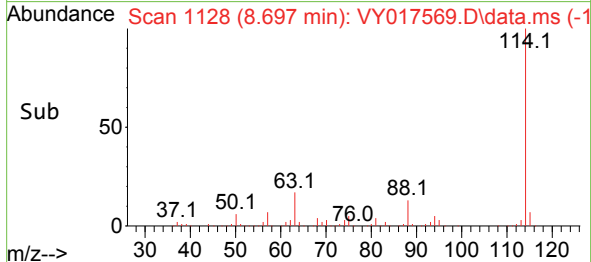
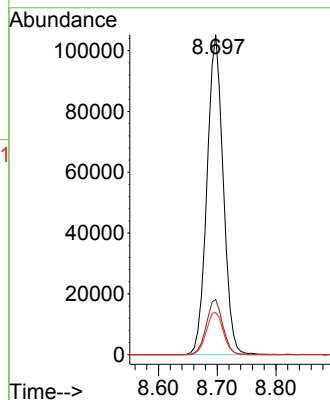
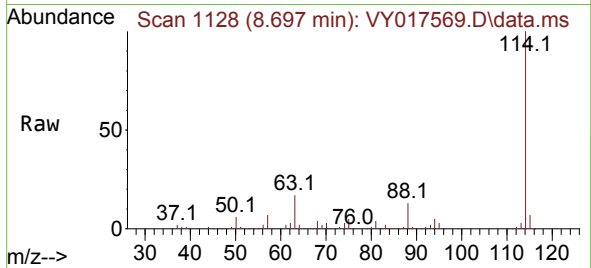




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

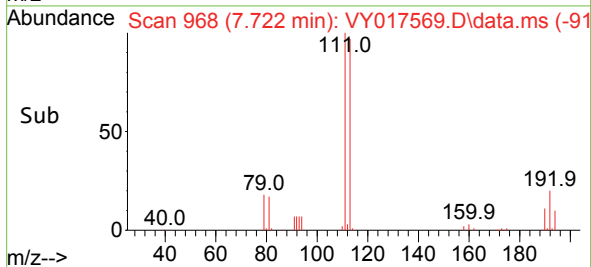
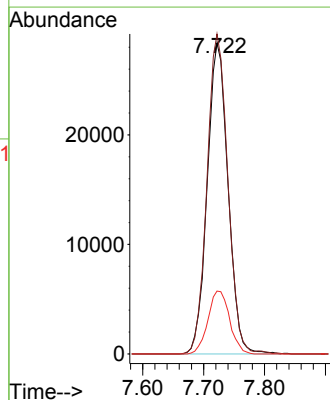
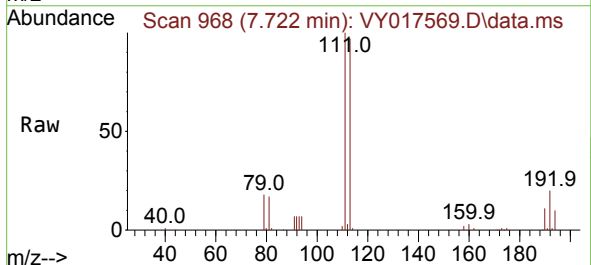
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-14-VOC

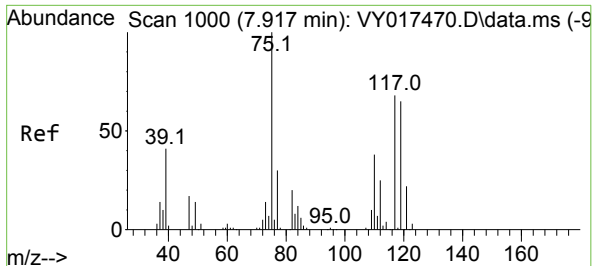
Tgt Ion:114 Resp: 201753  
Ion Ratio Lower Upper  
114 100  
63 17.2 0.0 35.0  
88 13.2 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 47.892 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion:113 Resp: 67330  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.4  
192 21.1 15.9 23.9

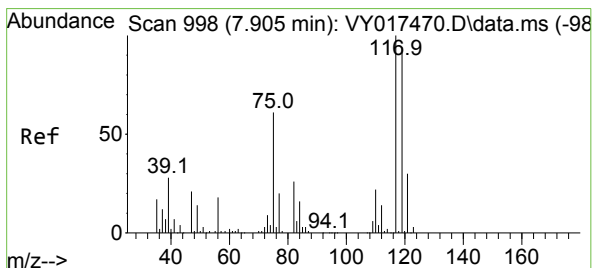
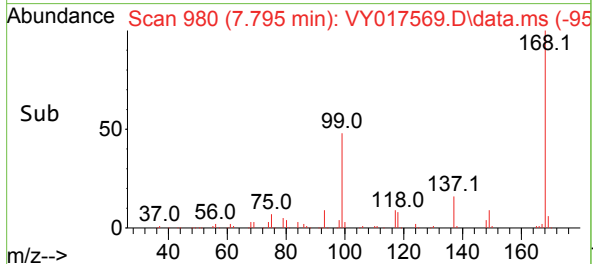
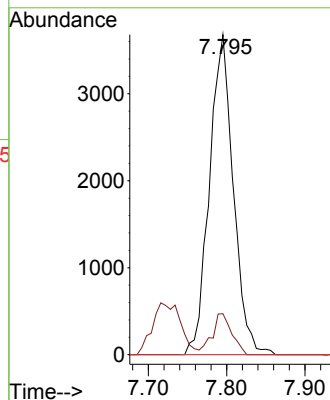
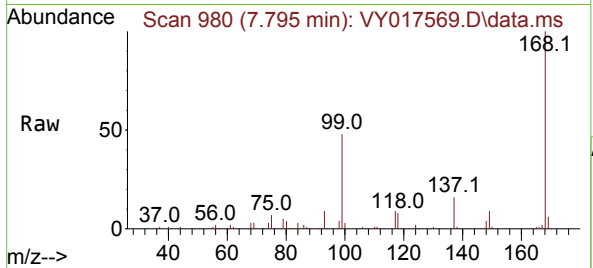




#36  
 1,1-Dichloropropene  
 Concen: 4.115 ug/l  
 RT: 7.795 min Scan# 91  
 Delta R.T. -0.122 min  
 Lab File: VY017569.D  
 Acq: 05 Mar 2024 14:19

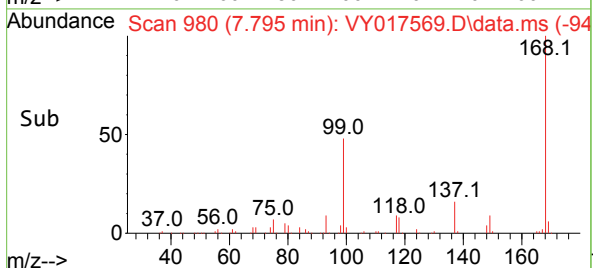
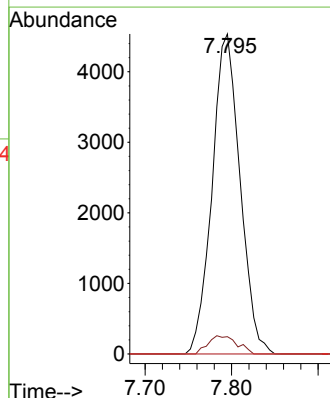
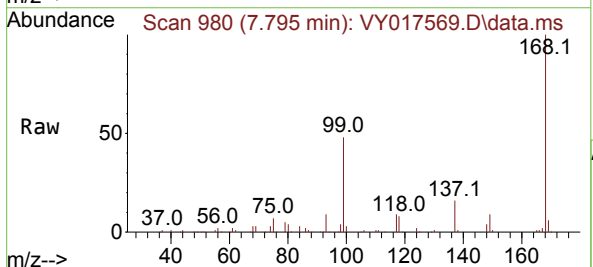
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-14-VOC

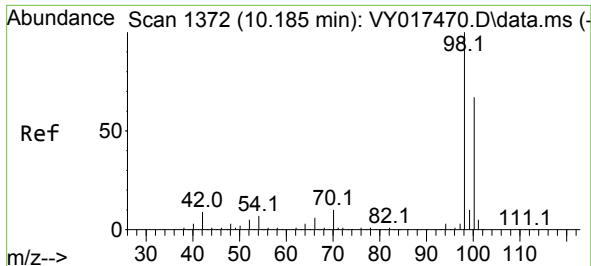
Tgt Ion: 75 Resp: 7805  
 Ion Ratio Lower Upper  
 75 100  
 110 10.5 19.0 57.0#  
 77 0.0 25.3 37.9#



#38  
 Carbon Tetrachloride  
 Concen: 5.343 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.110 min  
 Lab File: VY017569.D  
 Acq: 05 Mar 2024 14:19

Tgt Ion: 117 Resp: 10157  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 75.8 113.6#  
 121 0.0 24.0 36.0#

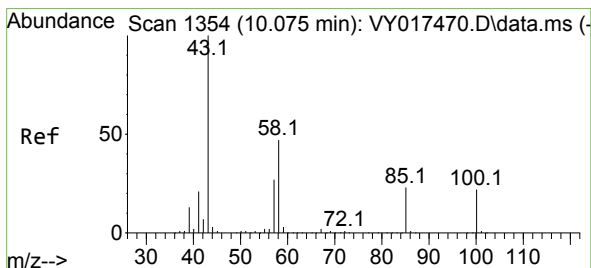
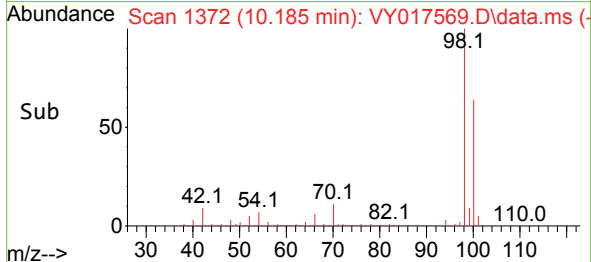
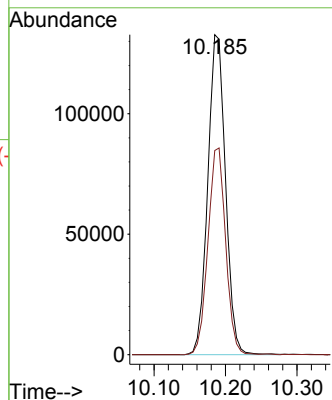
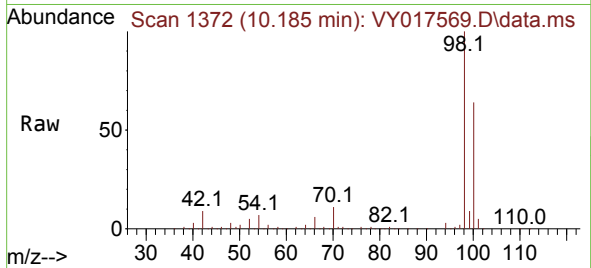




#50  
Toluene-d8  
Concen: 46.498 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

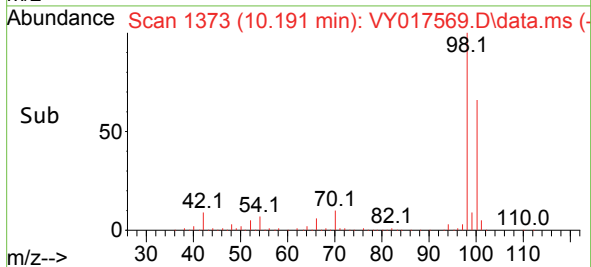
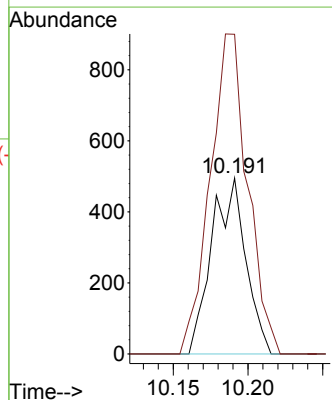
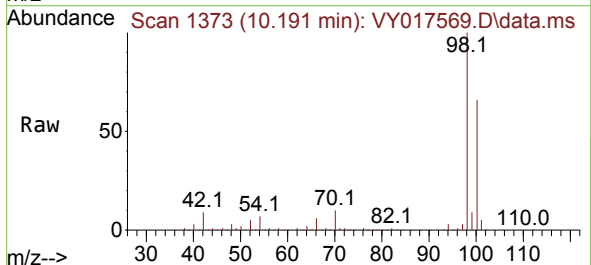
Instrument :  
MSVOA\_Y  
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TP-14-VOC

Tgt Ion: 98 Resp: 228562  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0

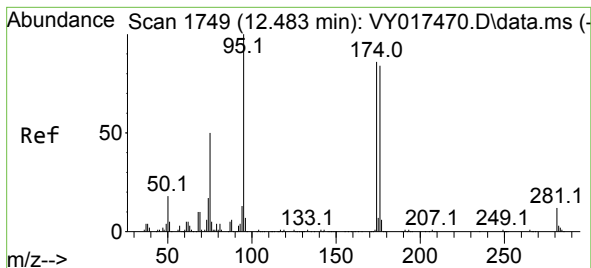


#51  
4-Methyl-2-Pentanone  
Concen: 1.067 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.116 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion: 43 Resp: 783  
Ion Ratio Lower Upper  
43 100  
58 200.8 35.7 53.5#



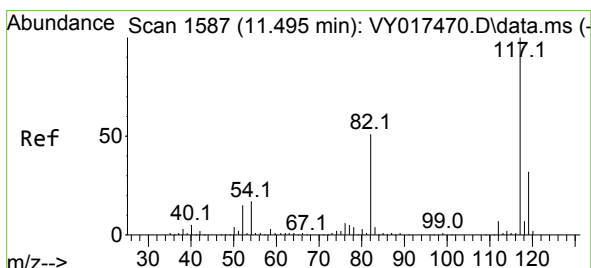
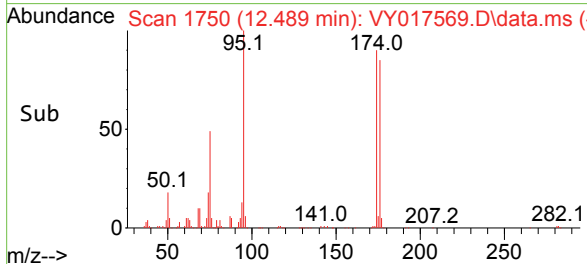
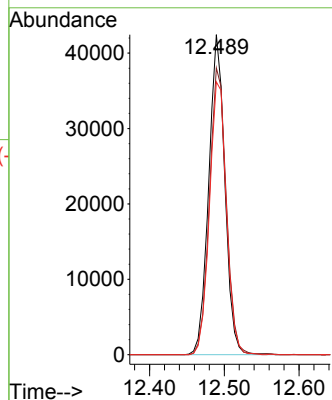
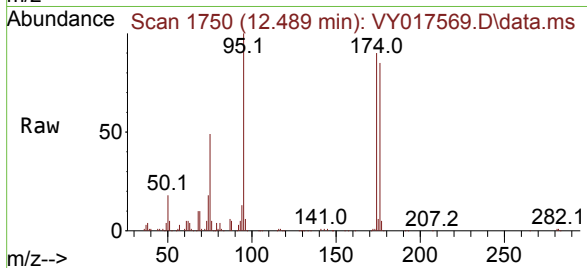




#62  
4-Bromofluorobenzene  
Concen: 41.204 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

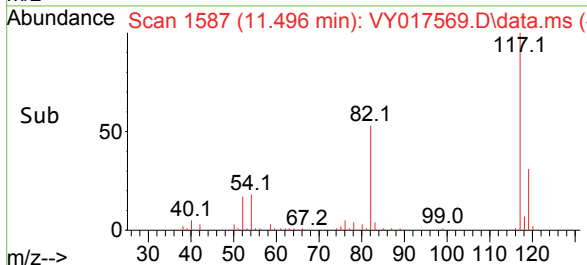
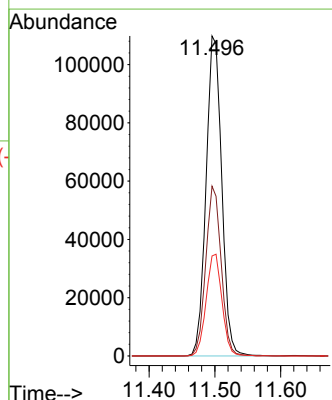
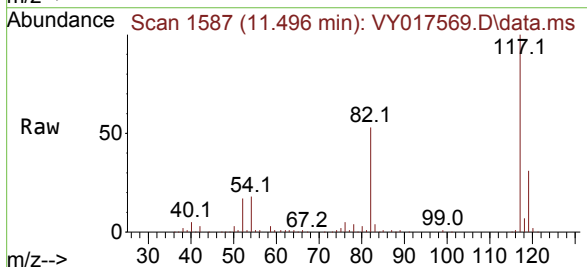
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-14-VOC

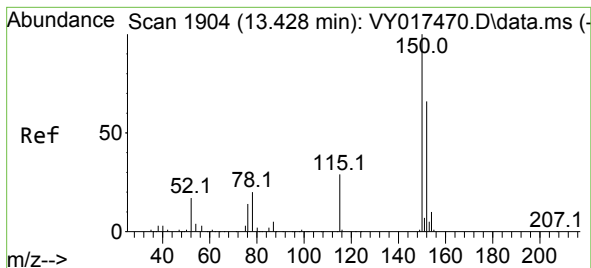
Tgt Ion: 95 Resp: 63652  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 175.6  
176 89.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion: 117 Resp: 182291  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.4 63.6  
119 31.3 25.9 38.9

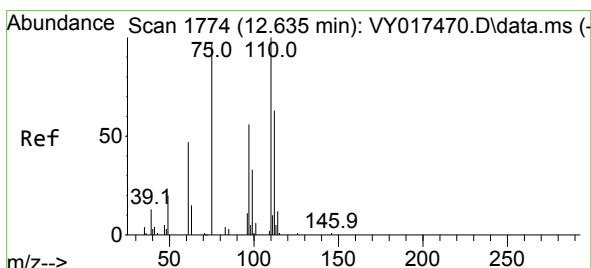
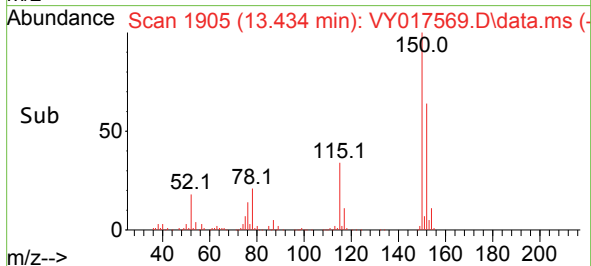
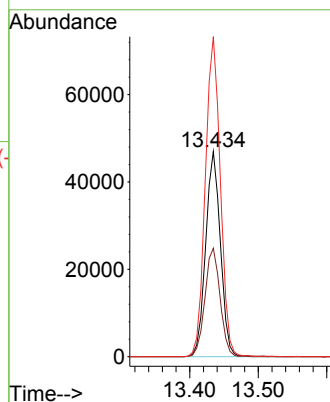
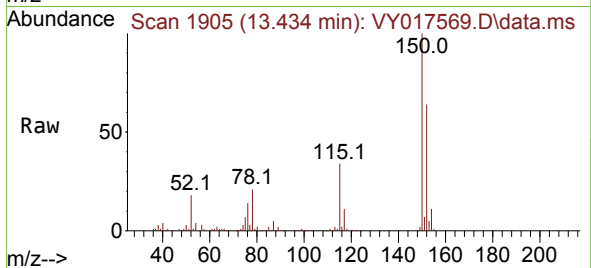




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY017569.D  
 Acq: 05 Mar 2024 14:19

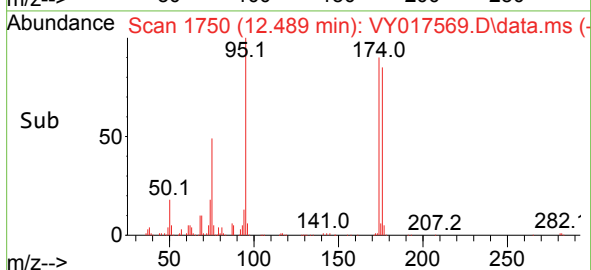
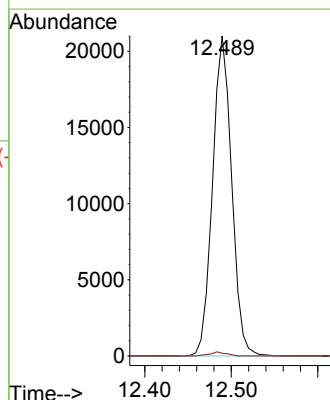
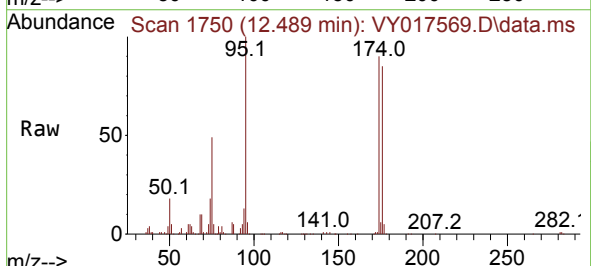
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-14-VOC

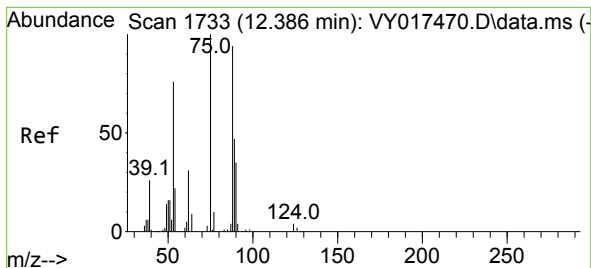
Tgt Ion:152 Resp: 70401  
 Ion Ratio Lower Upper  
 152 100  
 115 54.3 28.2 84.7  
 150 159.1 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 48.109 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.146 min  
 Lab File: VY017569.D  
 Acq: 05 Mar 2024 14:19

Tgt Ion: 75 Resp: 32181  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#

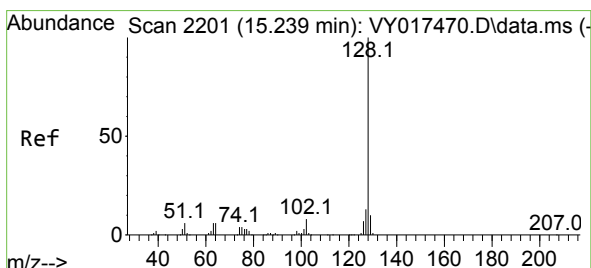
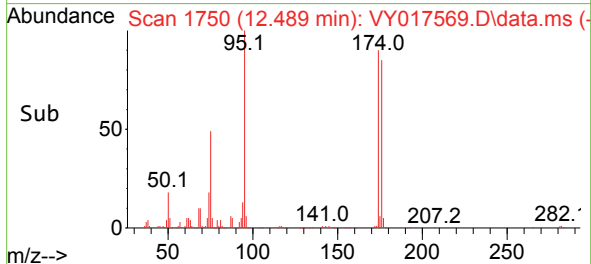
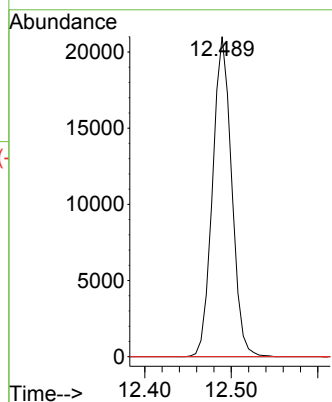
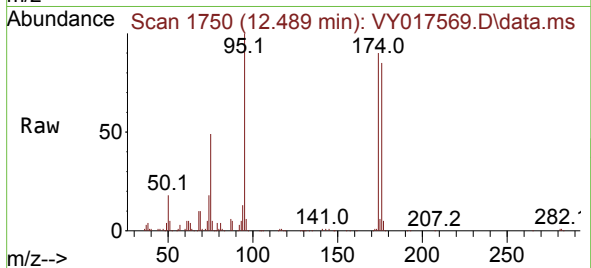




#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.544 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-14-VOC

Tgt Ion: 75 Resp: 32181  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#



#95  
Naphthalene  
Concen: 4.033 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. 0.006 min  
Lab File: VY017569.D  
Acq: 05 Mar 2024 14:19

Tgt Ion: 128 Resp: 283  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 13.0#

