

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022824\  
 Data File : VY017512.D  
 Acq On : 28 Feb 2024 11:11  
 Operator : SY/MD  
 Sample : VY0228SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0228SBL01

Quant Time: Feb 28 23:10:15 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

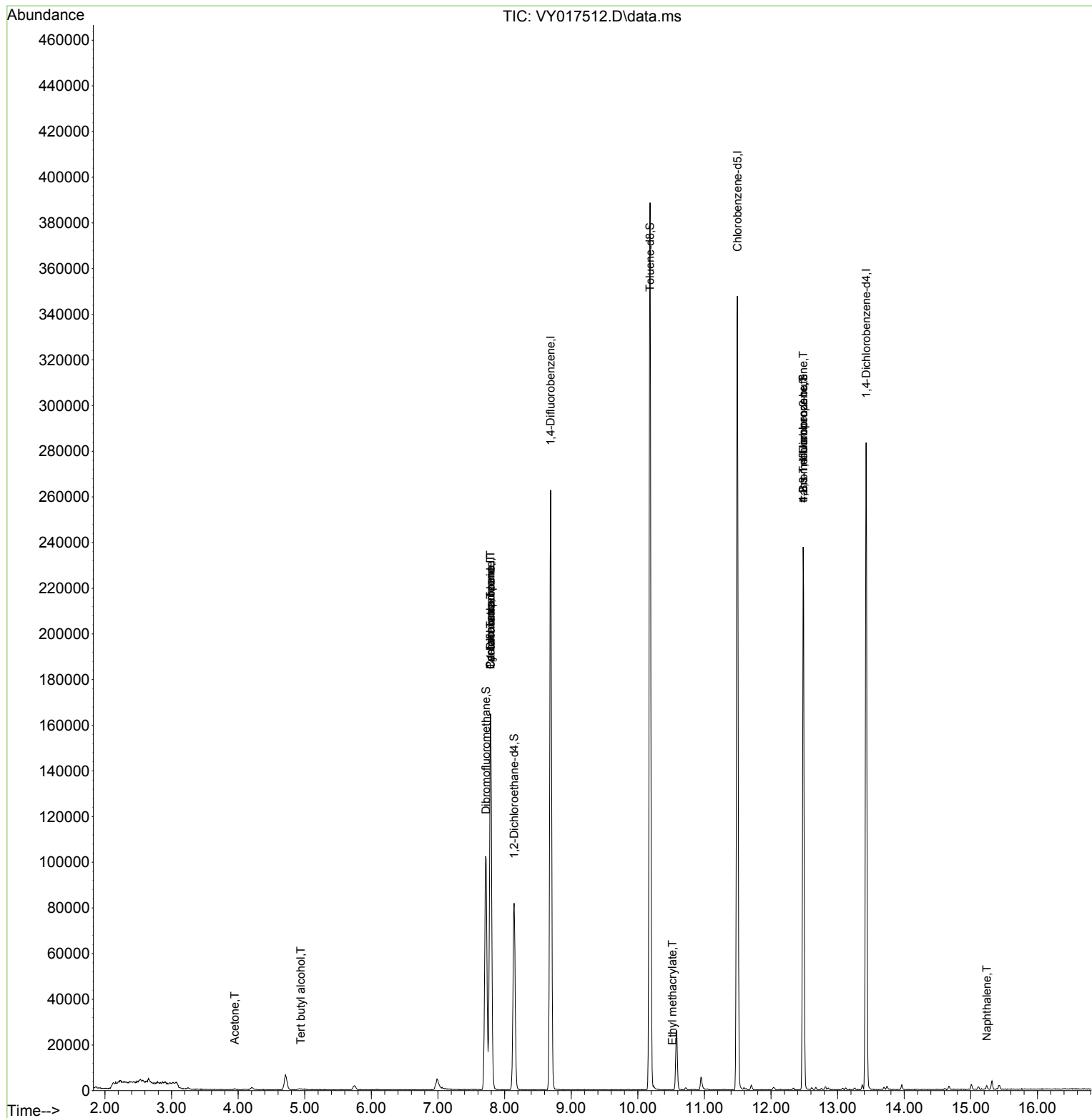
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 135700     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 236723     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 204484     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 76214      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 62530      | 48.621    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 97.240%   |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 74464      | 45.142    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 90.280%   |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 267534     | 46.387    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 92.780%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 69319      | 38.244    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 76.480%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.942          | 59   | 523        | 4.787     | ug/l # | 88       |
| 16) Acetone                   | 3.948          | 43   | 633        | 2.538     | ug/l   | 95       |
| 20) Methylene Chloride        | 4.710          | 84   | 5179       | Below Cal |        | 95       |
| 31) Cyclohexane               | 7.789          | 56   | 2460       | 1.175     | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 9865       | 4.432     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 13180      | 5.909     | ug/l # | 17       |
| 56) Ethyl methacrylate        | 10.520         | 69   | 20         | 2.549     | ug/l # | 33       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 33962      | 46.899    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 33962      | 107.764   | ug/l # | 16       |
| 95) Naphthalene               | 15.239         | 128  | 1759       | 4.595     | ug/l # | 95       |
| -----                         |                |      |            |           |        |          |

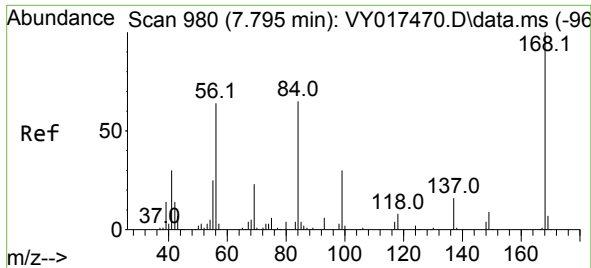
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

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QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

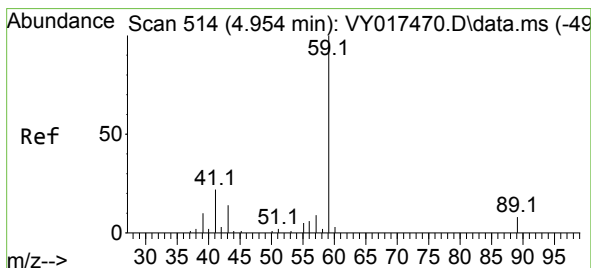
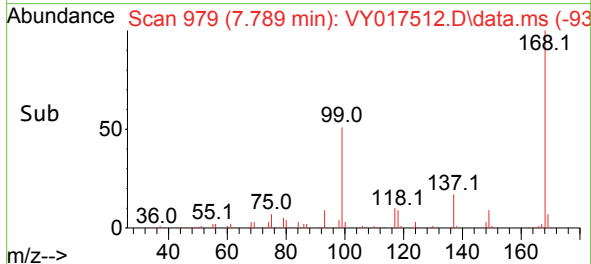
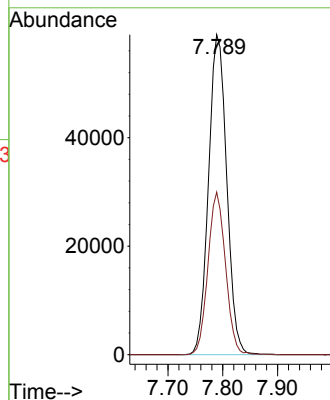
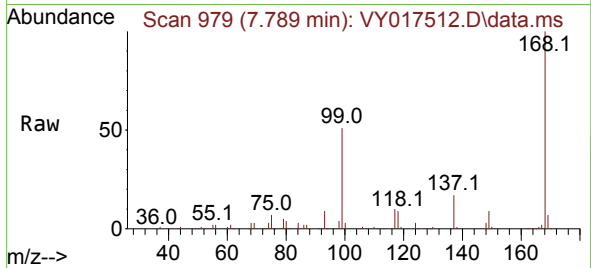




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

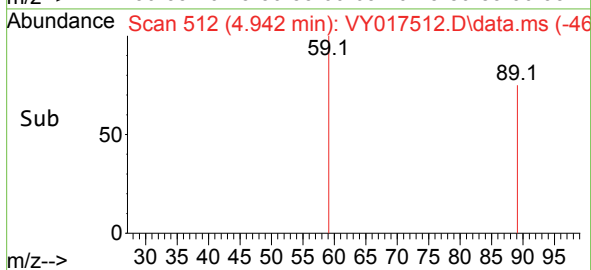
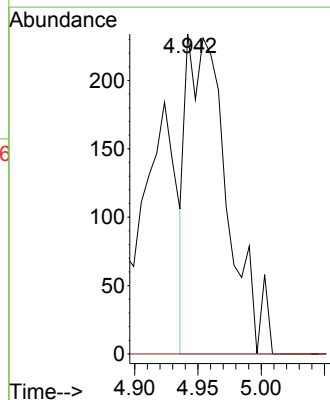
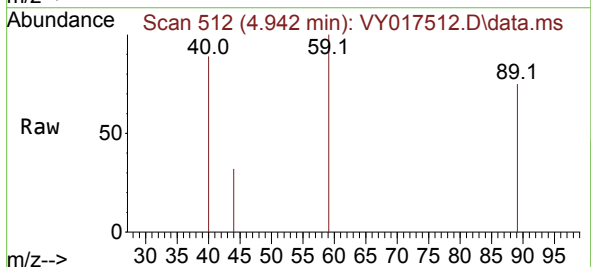
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

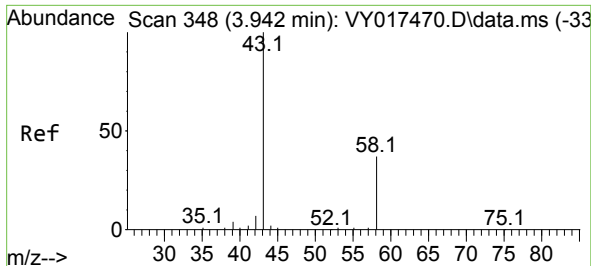
Tgt Ion:168 Resp: 135700  
Ion Ratio Lower Upper  
168 100  
99 50.8 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 4.787 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.012 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion: 59 Resp: 523  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.538 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY017512.D

Acq: 28 Feb 2024 11:11

Instrument :

MSVOA\_Y

ClientSampleId :

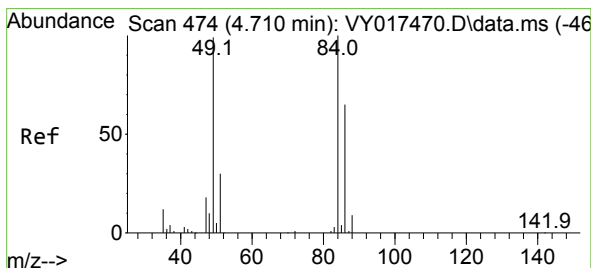
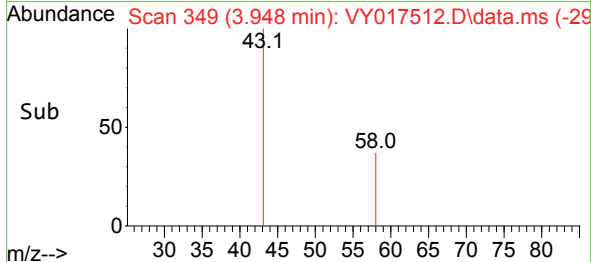
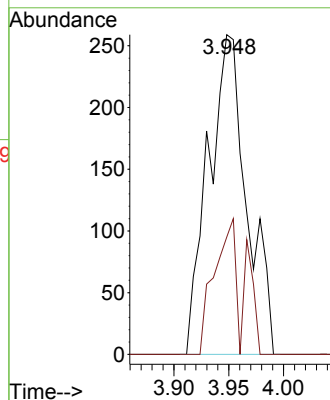
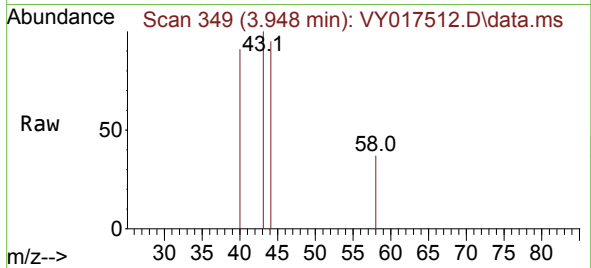
VY0228SBL01

Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

43 100

58 36.7 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY017512.D

Acq: 28 Feb 2024 11:11

Tgt Ion: 84 Resp: 5179

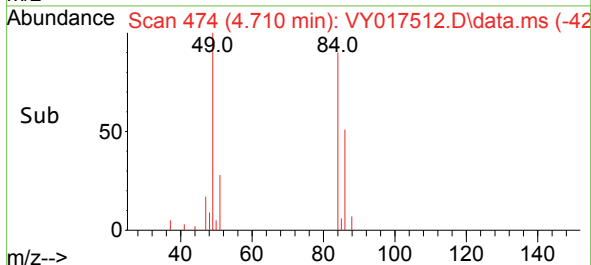
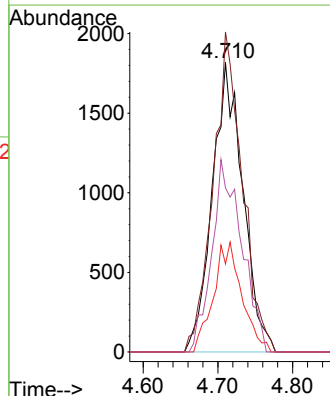
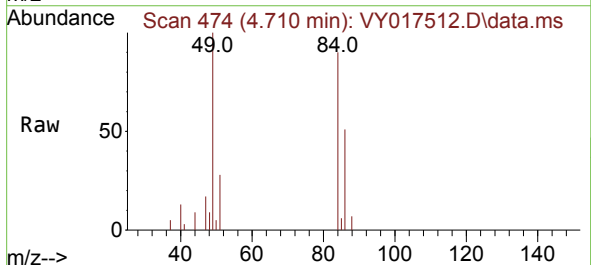
Ion Ratio Lower Upper

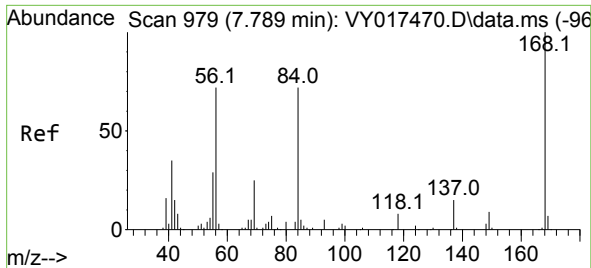
84 100

49 110.6 84.4 126.6

51 30.4 26.0 39.0

86 56.7 49.5 74.3

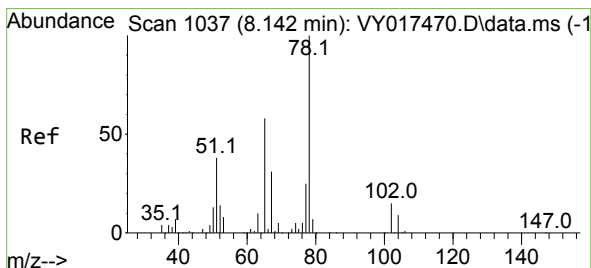
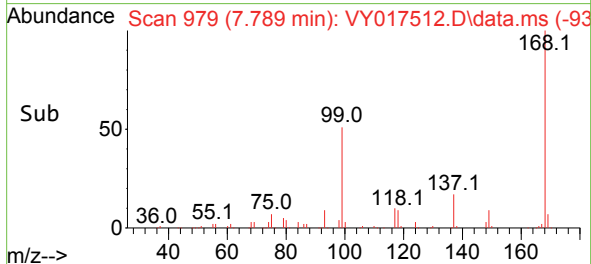
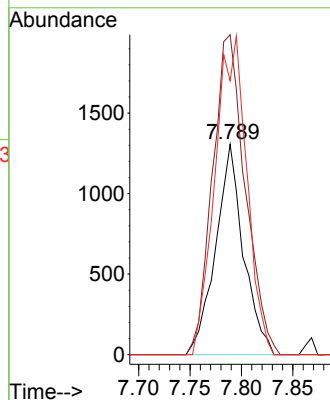
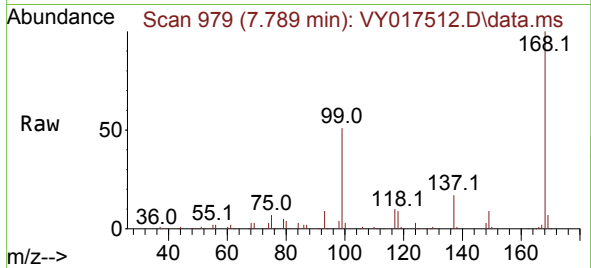




#31  
Cyclohexane  
Concen: 1.175 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

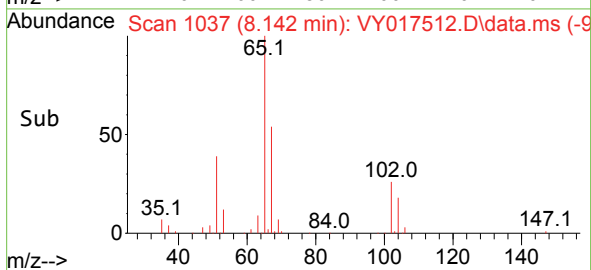
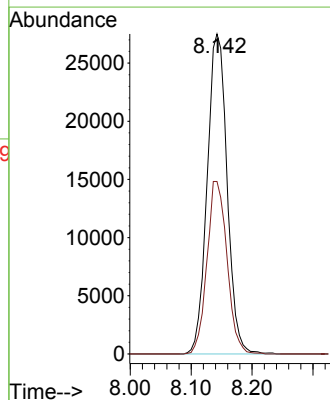
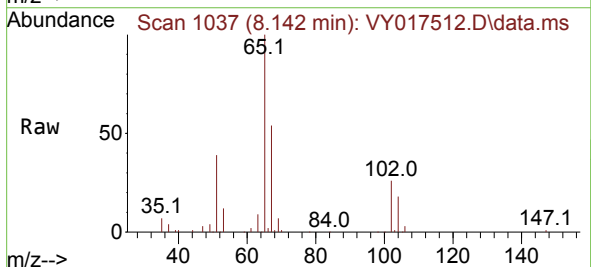
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

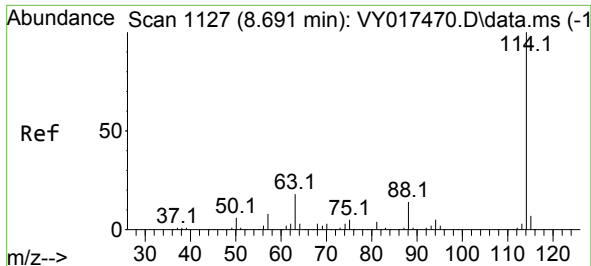
Tgt Ion: 56 Resp: 2460  
Ion Ratio Lower Upper  
56 100  
69 152.1 28.7 43.1#  
84 130.2 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 48.621 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion: 65 Resp: 62530  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.6

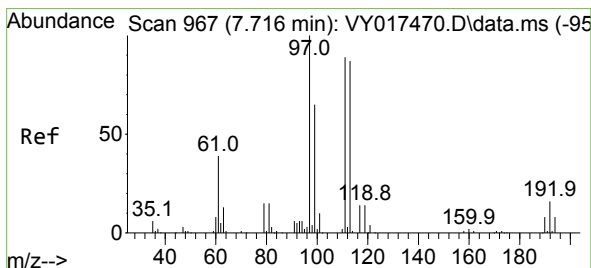
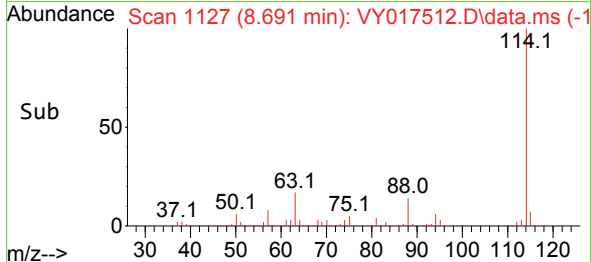
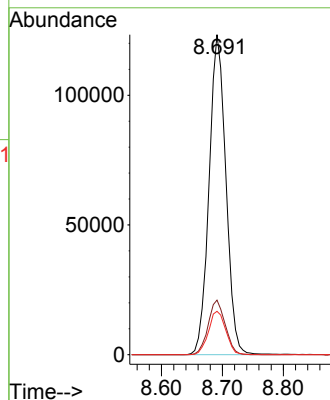
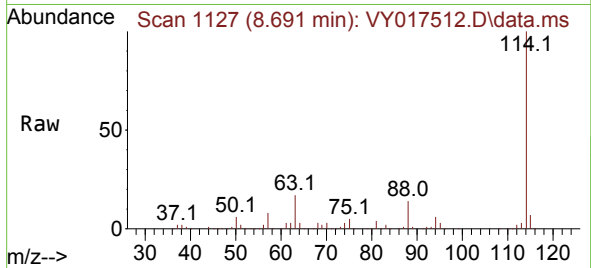




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

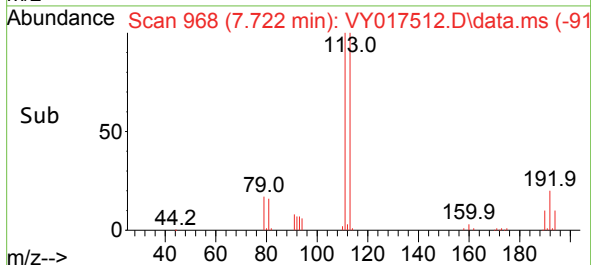
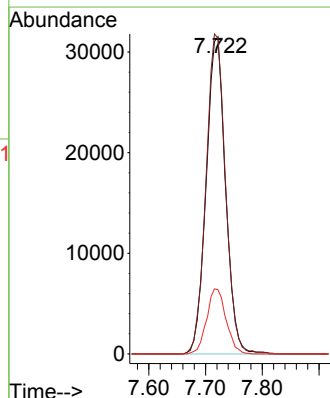
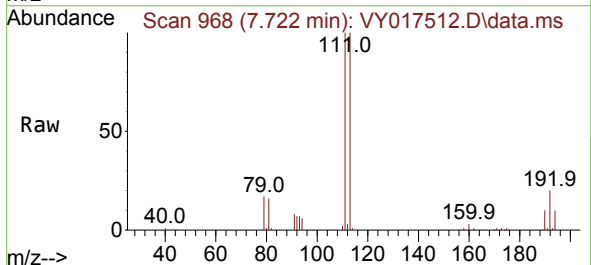
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

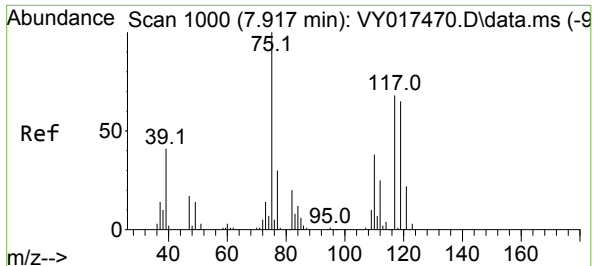
Tgt Ion:114 Resp: 236723  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 35.0  
88 13.5 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 45.142 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion:113 Resp: 74464  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.4  
192 20.6 15.9 23.9

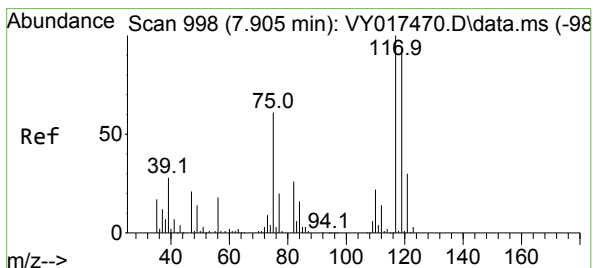
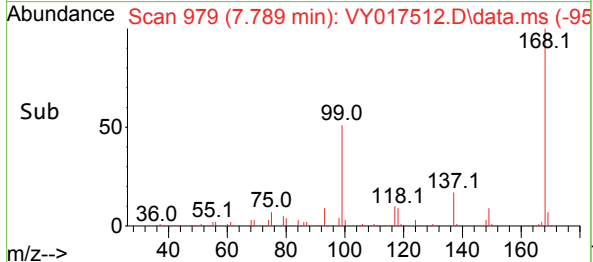
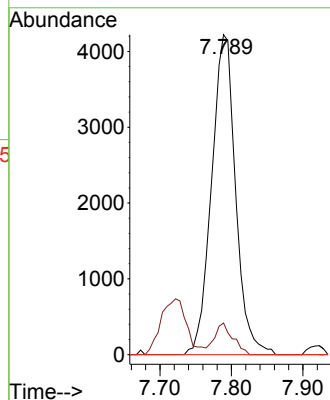
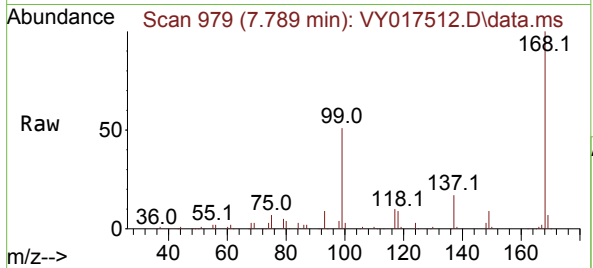




#36  
1,1-Dichloropropene  
Concen: 4.432 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

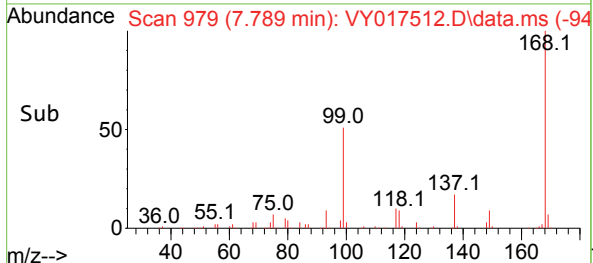
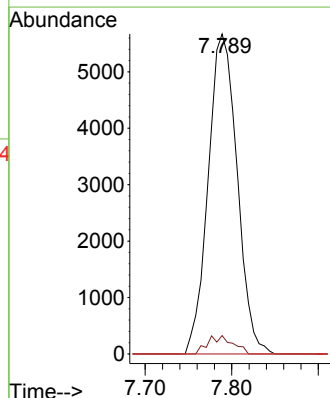
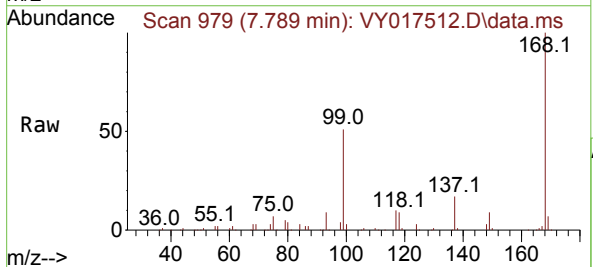
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MSVOA\_Y  
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VY0228SBL01

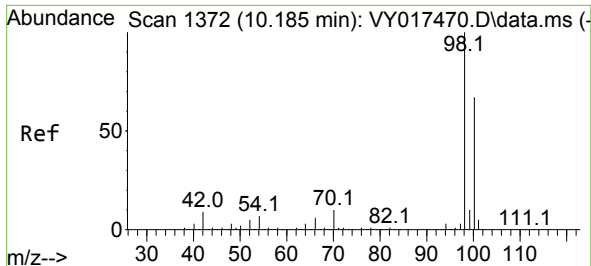
Tgt Ion: 75 Resp: 9865  
Ion Ratio Lower Upper  
75 100  
110 7.4 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.909 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.116 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion: 117 Resp: 13180  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.8 113.6#  
121 0.0 24.0 36.0#

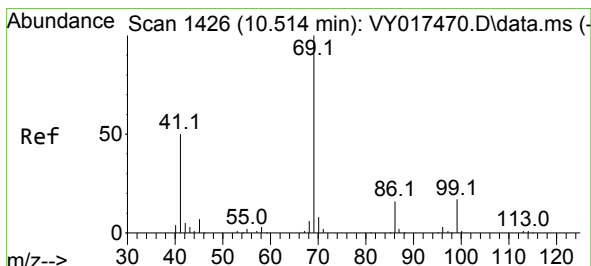
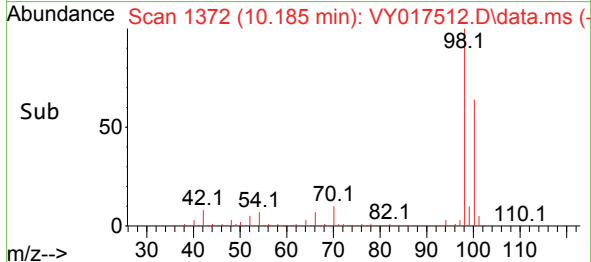
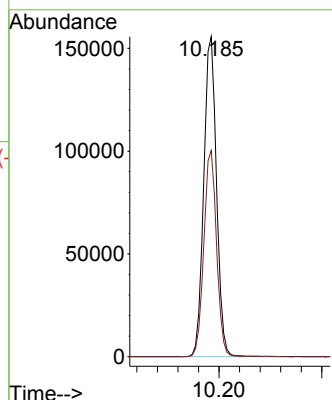
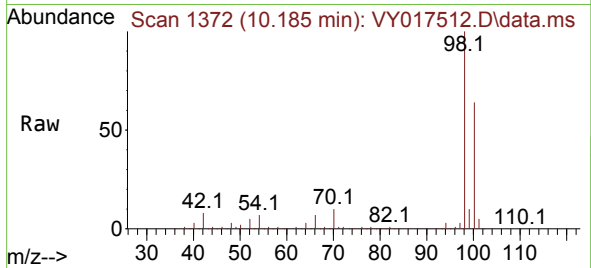




#50  
Toluene-d8  
Concen: 46.387 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

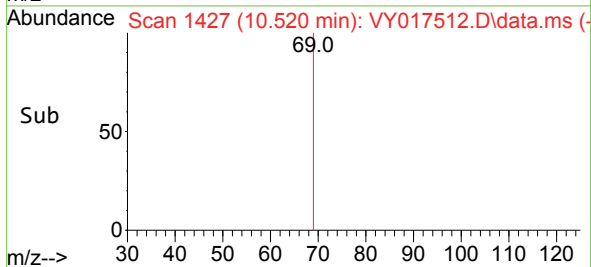
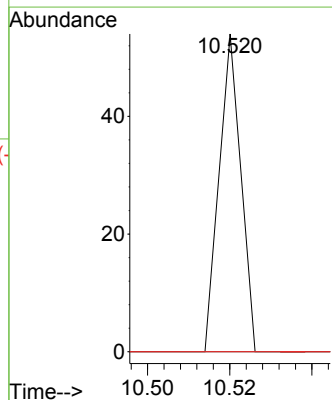
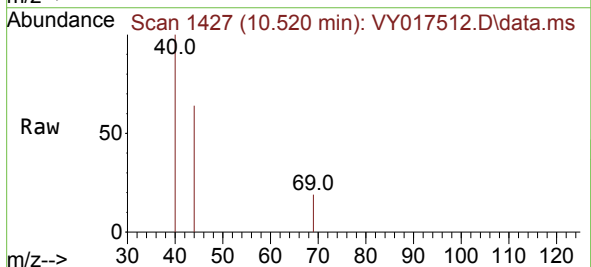
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

Tgt Ion: 98 Resp: 267534  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0

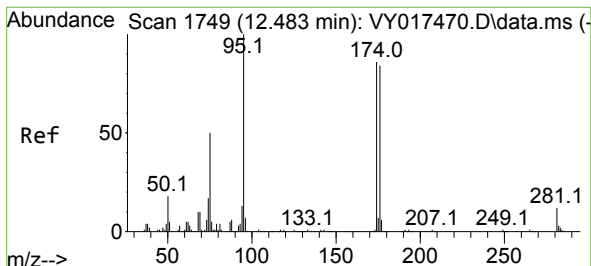


#56  
Ethyl methacrylate  
Concen: 2.549 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion: 69 Resp: 20  
Ion Ratio Lower Upper  
69 100  
41 0.0 42.3 63.5#  
39 0.0 22.9 34.3#



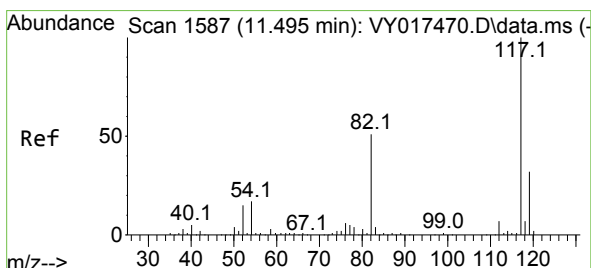
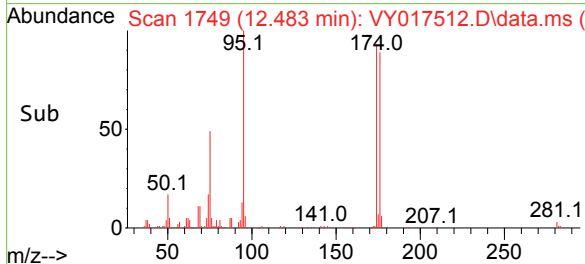
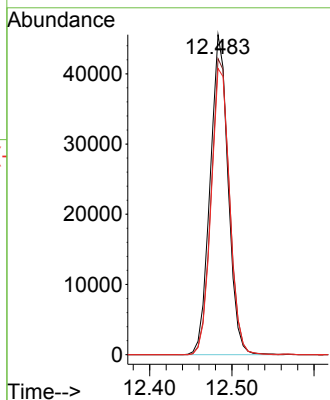
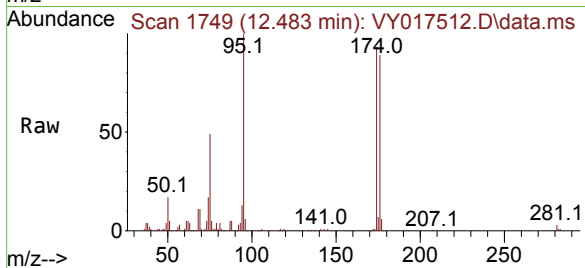




#62  
4-Bromofluorobenzene  
Concen: 38.244 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

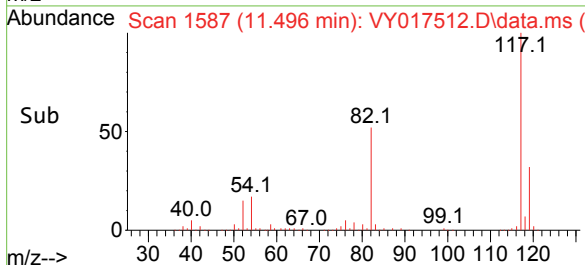
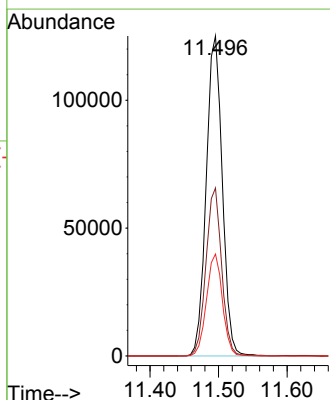
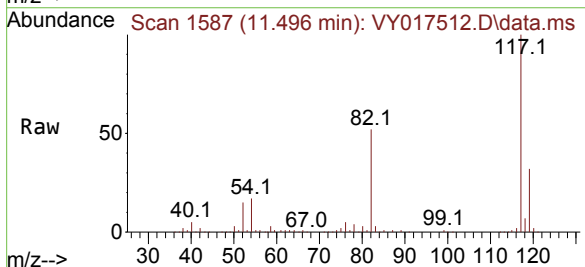
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

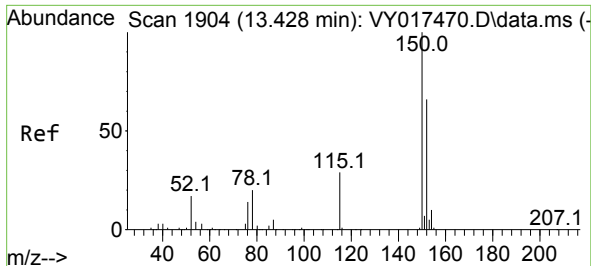
Tgt Ion: 95 Resp: 69319  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 175.6  
176 91.9 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion: 117 Resp: 204484  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.4 63.6  
119 31.9 25.9 38.9

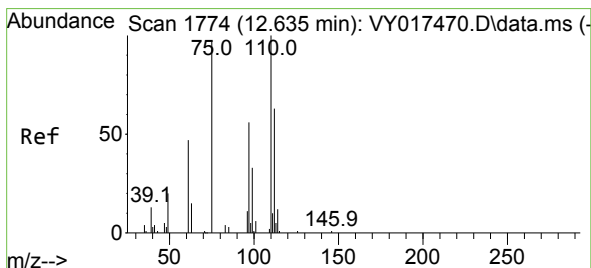
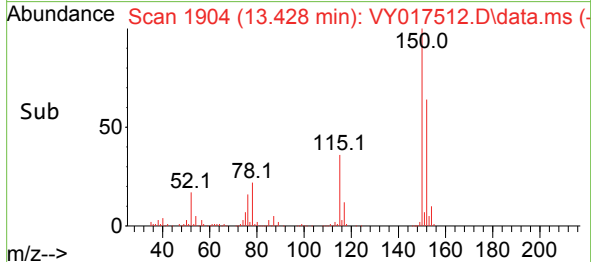
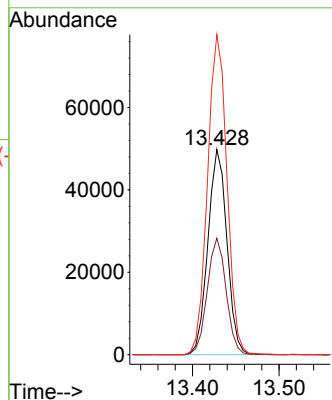
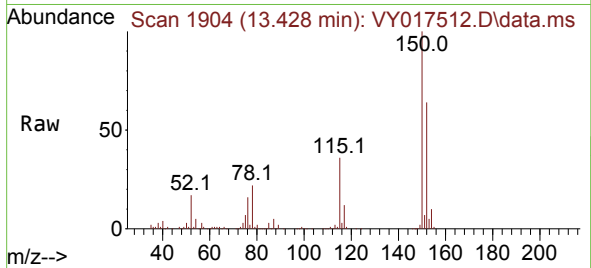




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY017512.D  
 Acq: 28 Feb 2024 11:11

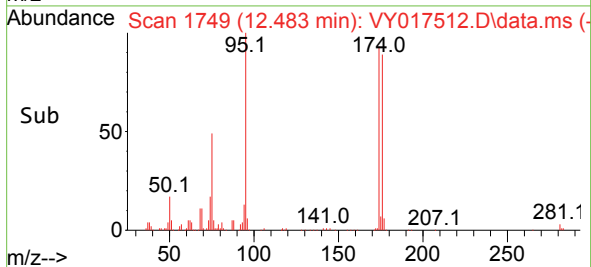
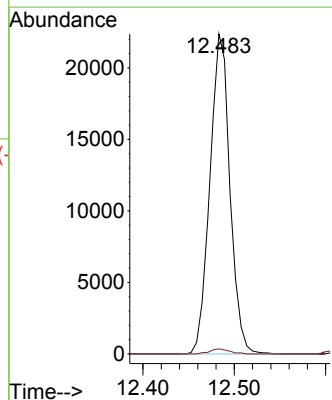
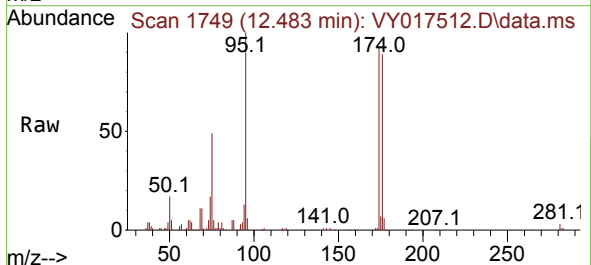
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0228SBL01

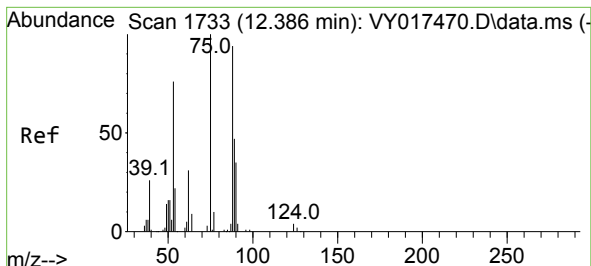
Tgt Ion:152 Resp: 76214  
 Ion Ratio Lower Upper  
 152 100  
 115 56.2 28.2 84.7  
 150 158.6 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 46.899 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY017512.D  
 Acq: 28 Feb 2024 11:11

Tgt Ion: 75 Resp: 33962  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#

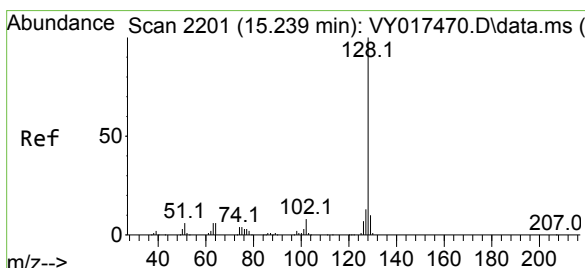
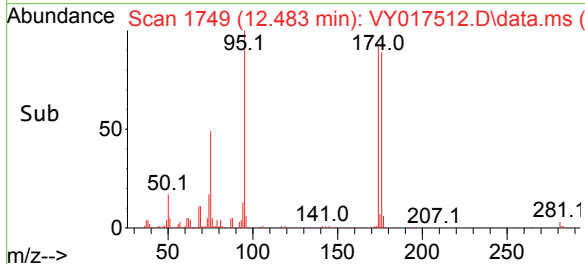
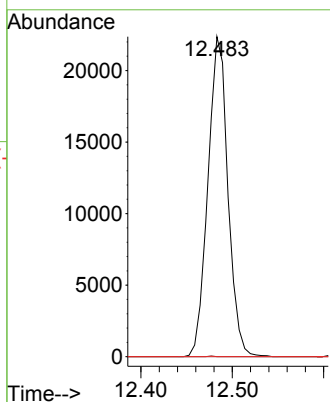
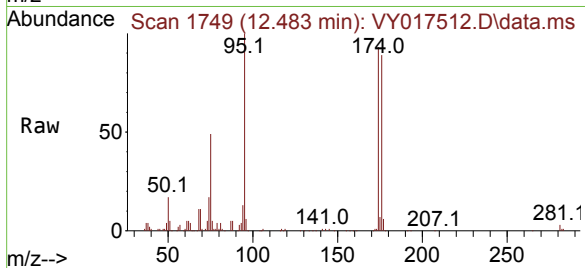




#81  
trans-1,4-Dichloro-2-butene  
Concen: 107.764 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0228SBL01

Tgt Ion: 75 Resp: 33962  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.0 35.8 53.6#



#95  
Naphthalene  
Concen: 4.595 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY017512.D  
Acq: 28 Feb 2024 11:11

Tgt Ion:128 Resp: 1759  
Ion Ratio Lower Upper  
128 100  
127 9.7 10.6 16.0#  
129 10.5 8.6 13.0

