

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032524\  
 Data File : VY017747.D  
 Acq On : 25 Mar 2024 10:26  
 Operator : SY/MD  
 Sample : VY0325SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0325SBL01

Quant Time: Mar 26 03:32:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 04:03:52 2024  
 Response via : Initial Calibration

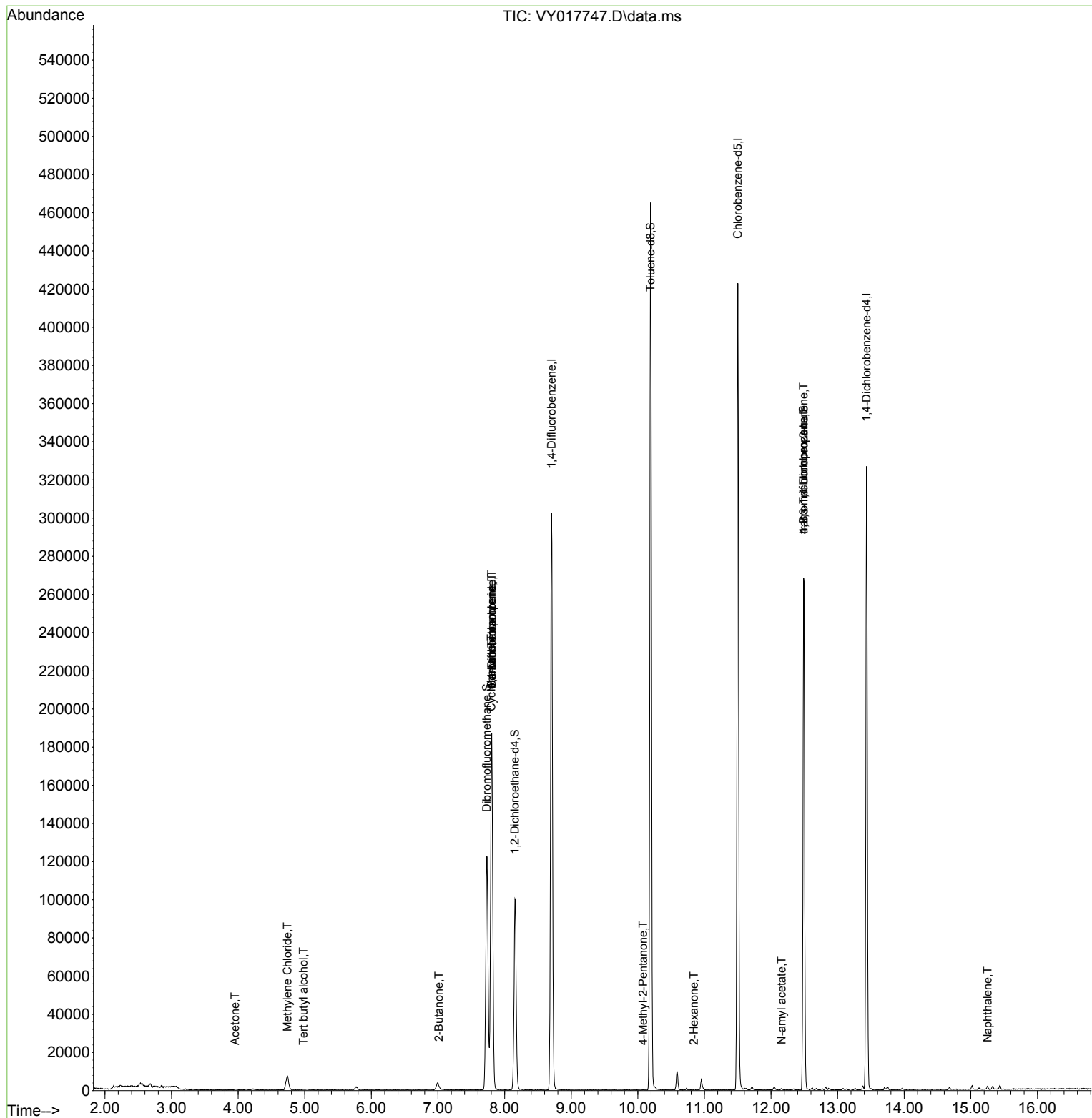
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.807          | 168  | 153350              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703          | 114  | 273707              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.502         | 117  | 236235              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434         | 152  | 85974               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 77883               | 58.298  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 116.600% |         |        |          |
| 35) Dibromofluoromethane      | 7.734          | 113  | 89526               | 54.719  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.440% |         |        |          |
| 50) Toluene-d8                | 10.191         | 98   | 310926              | 49.655  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 99.300%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 83251               | 44.276  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 88.560%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.979          | 59   | 222                 | 2.498   | ug/l # | 88       |
| 16) Acetone                   | 3.954          | 43   | 596                 | 2.551   | ug/l # | 36       |
| 20) Methylene Chloride        | 4.741          | 84   | 5836                | 3.434   | ug/l # | 92       |
| 25) 2-Butanone                | 7.015          | 43   | 317                 | 8.743   | ug/l # | 41       |
| 31) Cyclohexane               | 7.801          | 56   | 2658                | 1.006   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.807          | 75   | 10665               | 4.219   | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.807          | 117  | 14119               | 5.335   | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.081         | 43   | 155                 | 5.787   | ug/l # | 31       |
| 59) 2-Hexanone                | 10.843         | 43   | 323                 | 9.912   | ug/l # | 55       |
| 74) N-amyl acetate            | 12.160         | 43   | 380                 | 2.586   | ug/l # | 85       |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 42546               | 53.590  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 42546               | 123.830 | ug/l # | 16       |
| 95) Naphthalene               | 15.251         | 128  | 1507                | 3.251   | ug/l # | 95       |
| -----                         |                |      |                     |         |        |          |

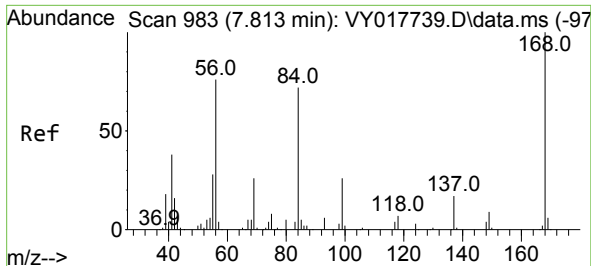
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032524\  
Data File : VY017747.D  
Acq On : 25 Mar 2024 10:26  
Operator : SY/MD  
Sample : VY0325SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

Quant Time: Mar 26 03:32:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 23 04:03:52 2024  
Response via : Initial Calibration

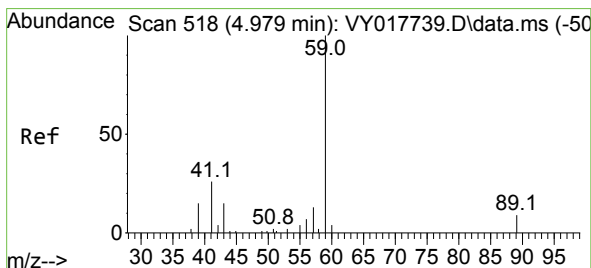
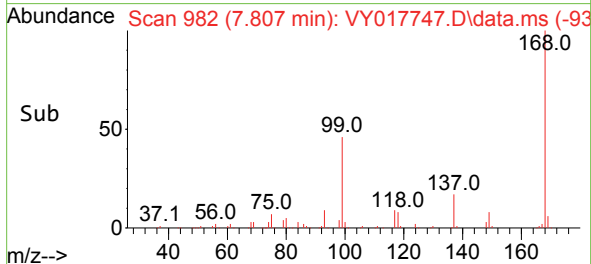
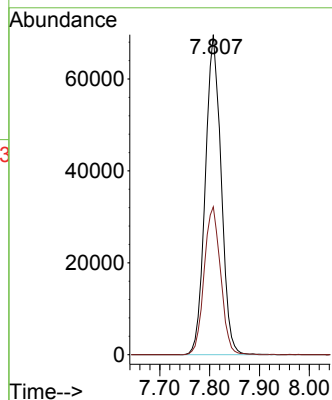
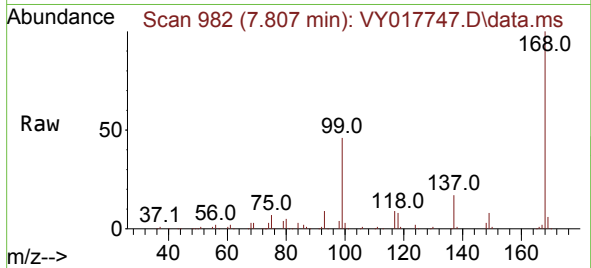




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

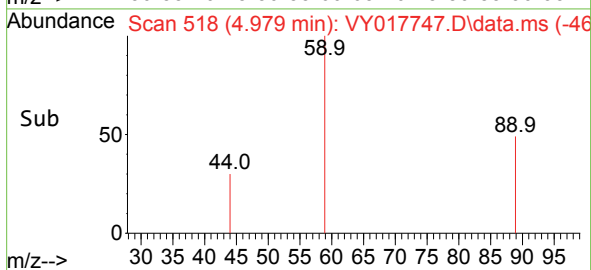
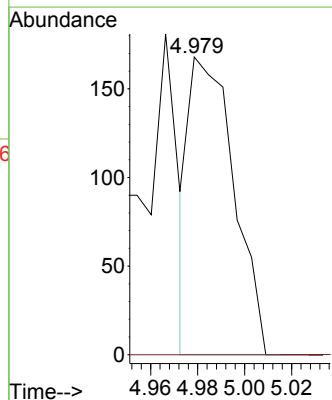
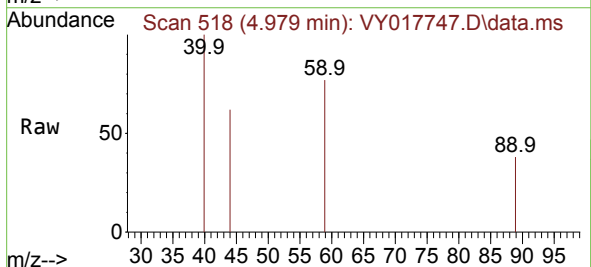
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

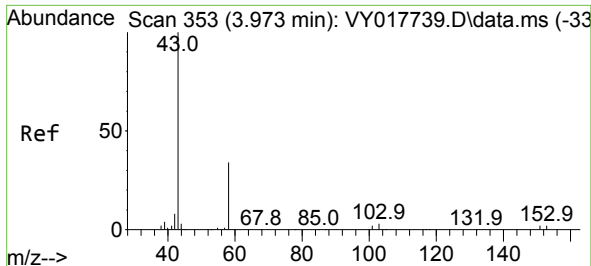
Tgt Ion:168 Resp: 153350  
Ion Ratio Lower Upper  
168 100  
99 46.2 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 2.498 ug/l  
RT: 4.979 min Scan# 518  
Delta R.T. 0.000 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Tgt Ion: 59 Resp: 222  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.551 ug/l

RT: 3.954 min Scan# 316

Delta R.T. -0.018 min

Lab File: VY017747.D

Acq: 25 Mar 2024 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

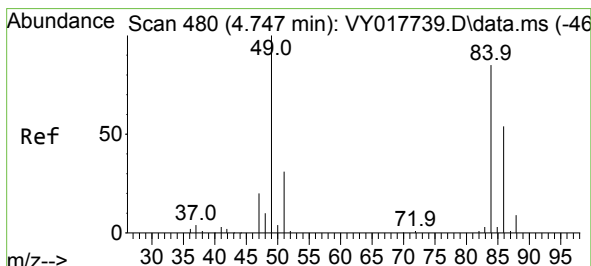
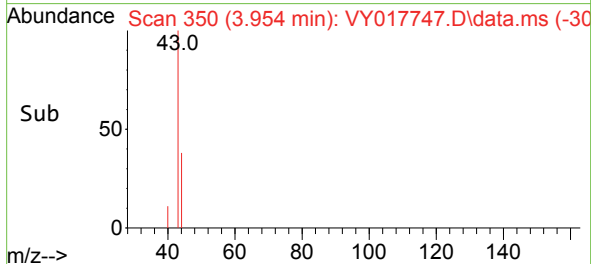
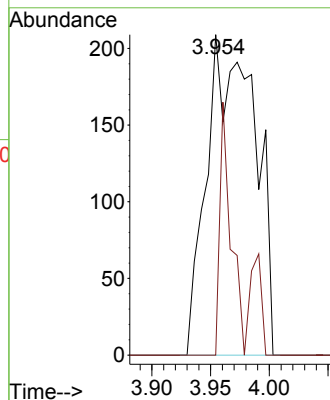
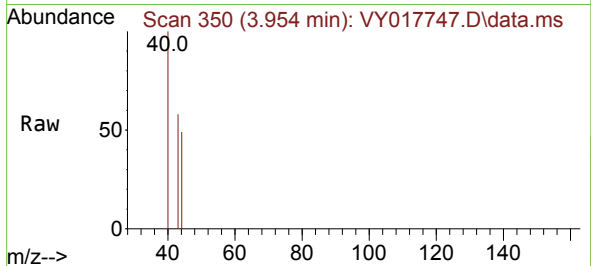
VY0325SBL01

Tgt Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 3.434 ug/l

RT: 4.741 min Scan# 479

Delta R.T. -0.006 min

Lab File: VY017747.D

Acq: 25 Mar 2024 10:26

Tgt Ion: 84 Resp: 5836

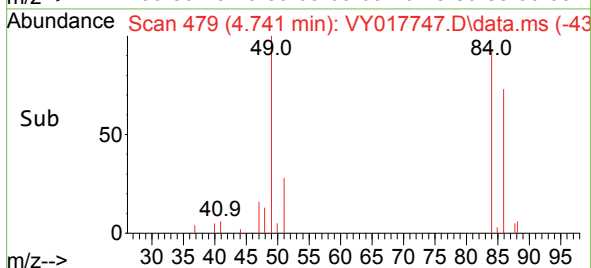
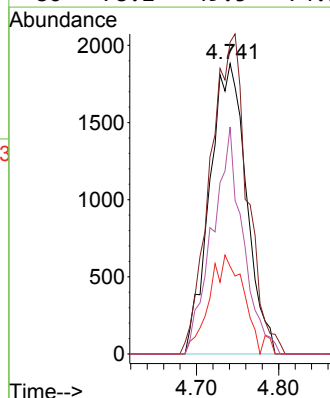
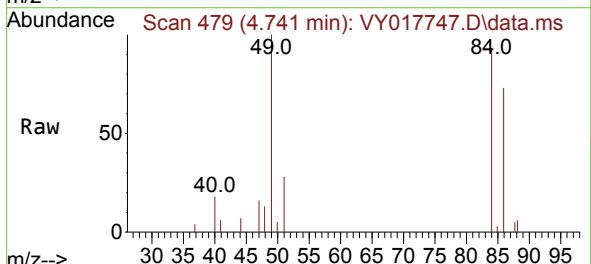
Ion Ratio Lower Upper

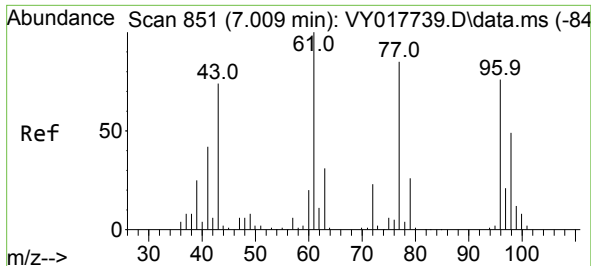
84 100

49 107.4 84.4 126.6

51 30.1 26.0 39.0

86 78.2 49.5 74.3#





#25

2-Butanone

Concen: 8.743 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY017747.D

Acq: 25 Mar 2024 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

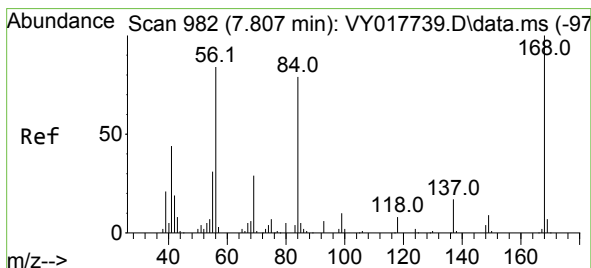
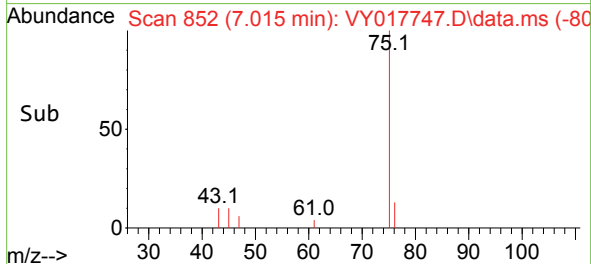
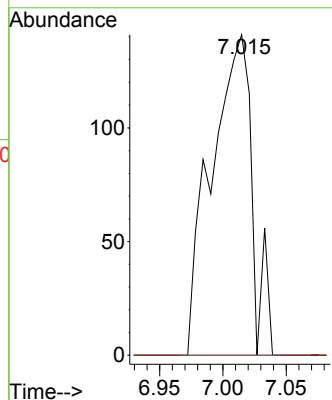
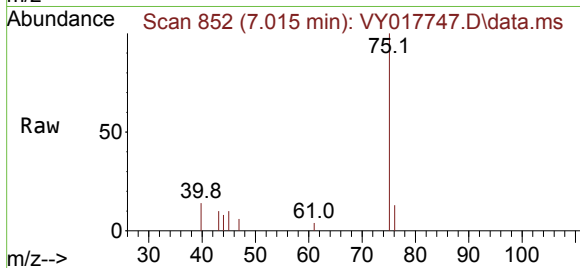
VY0325SBL01

Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.006 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY017747.D

Acq: 25 Mar 2024 10:26

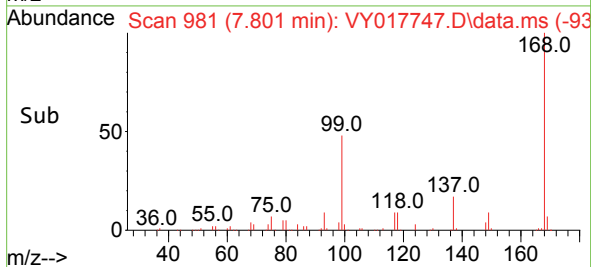
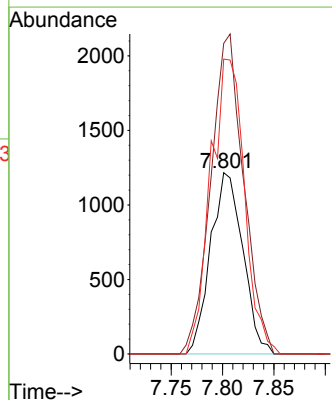
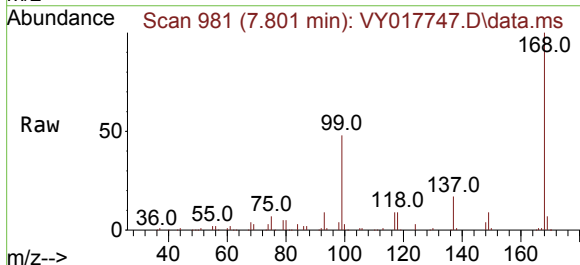
Tgt Ion: 56 Resp: 2658

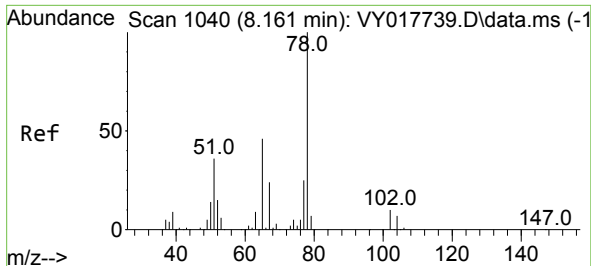
Ion Ratio Lower Upper

56 100

69 171.2 28.7 43.1#

84 162.5 77.7 116.5#

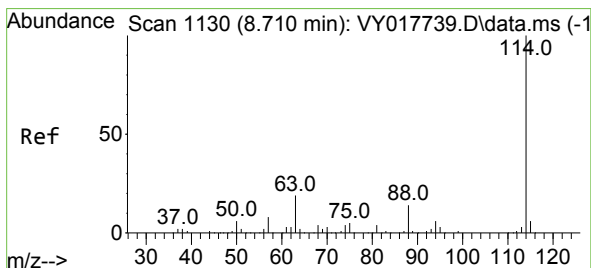
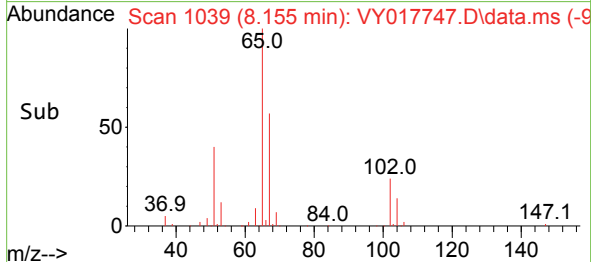
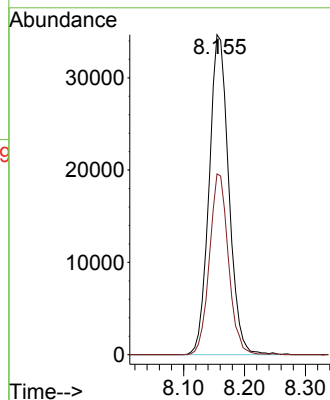
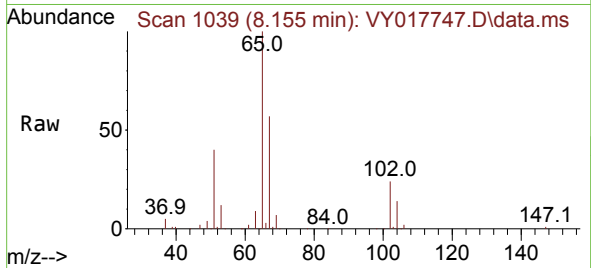




#33  
1,2-Dichloroethane-d4  
Concen: 58.298 ug/l  
RT: 8.155 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

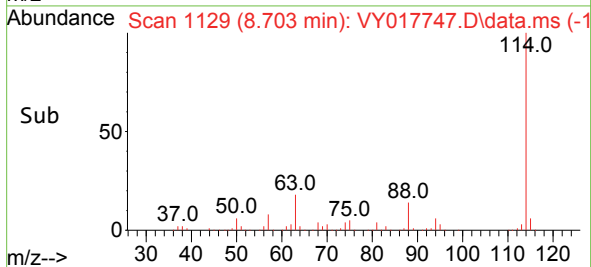
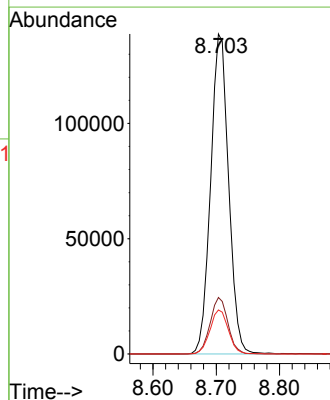
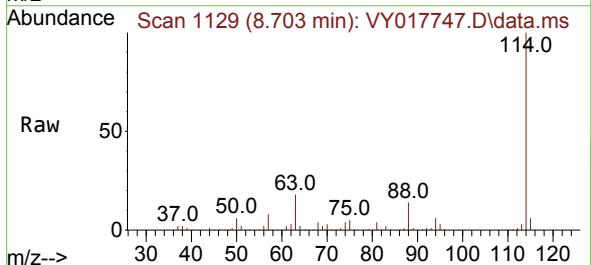
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

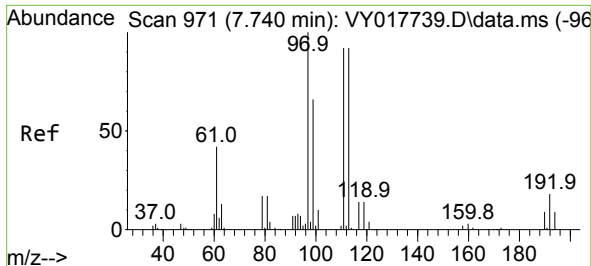
Tgt Ion: 65 Resp: 77883  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Tgt Ion: 114 Resp: 273707  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 35.0  
88 13.8 0.0 27.2

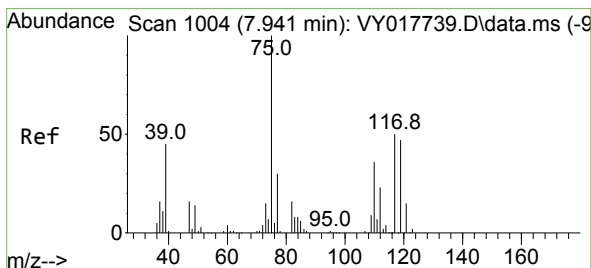
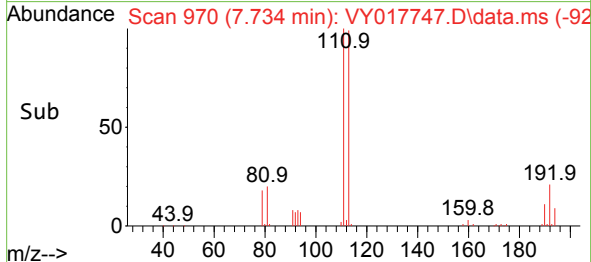
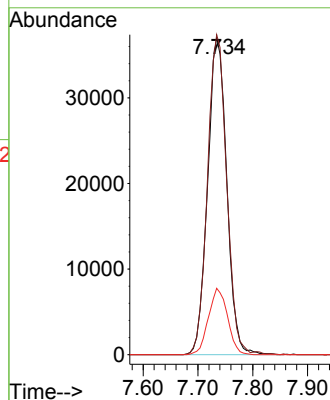
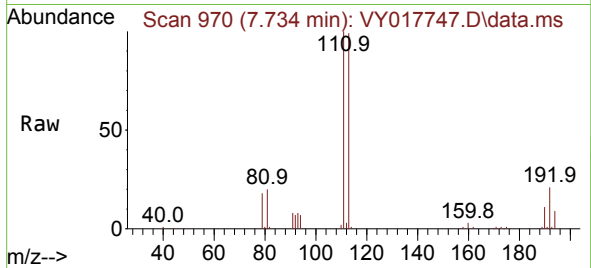




#35  
Dibromofluoromethane  
Concen: 54.719 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

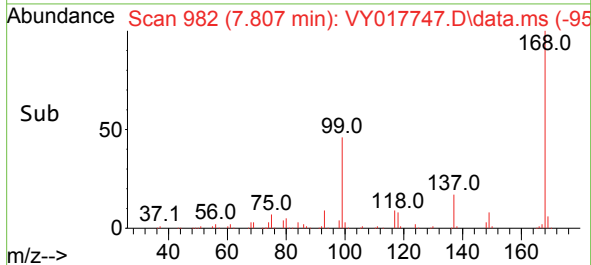
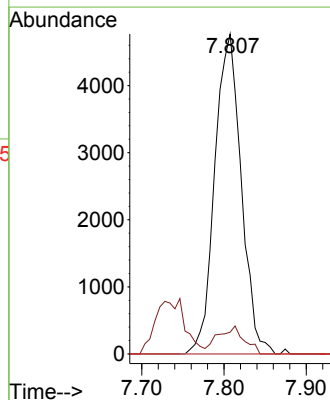
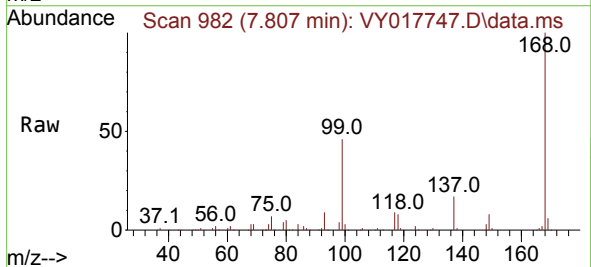
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

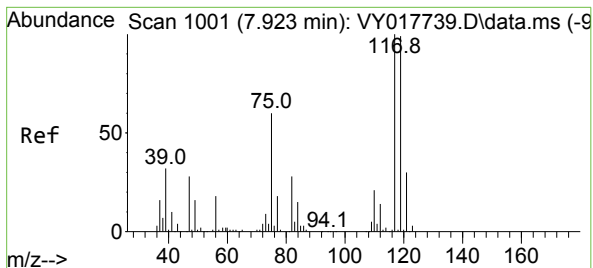
Tgt Ion:113 Resp: 89526  
Ion Ratio Lower Upper  
113 100  
111 100.9 82.2 123.4  
192 20.9 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.219 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Tgt Ion: 75 Resp: 10665  
Ion Ratio Lower Upper  
75 100  
110 8.5 19.0 57.0#  
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.335 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY017747.D

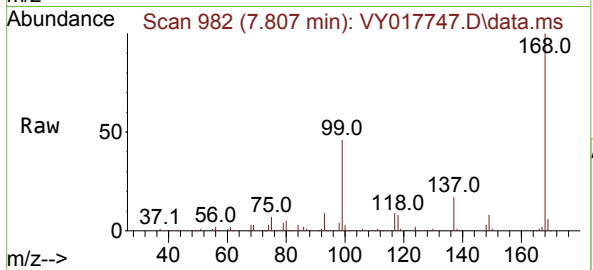
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Instrument :

MSVOA\_Y

ClientSampleId :

VY0325SBL01



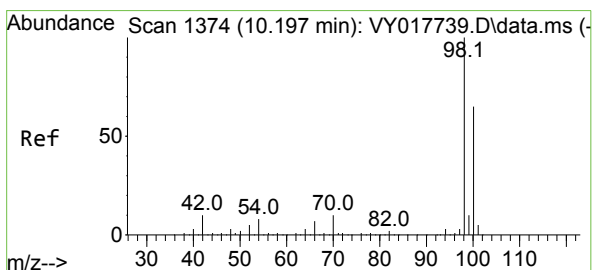
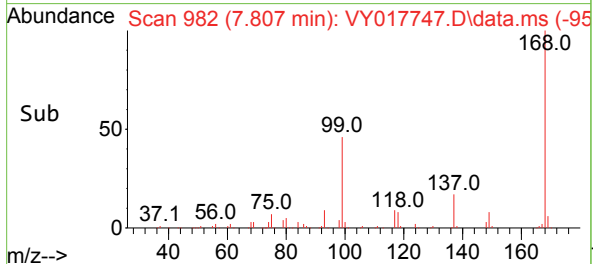
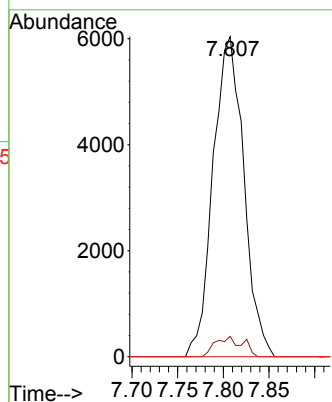
Tgt Ion:117 Resp: 14119

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 49.655 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.006 min

Lab File: VY017747.D

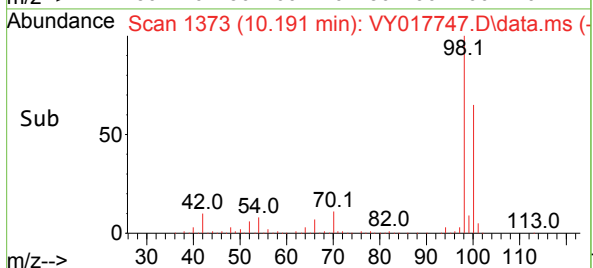
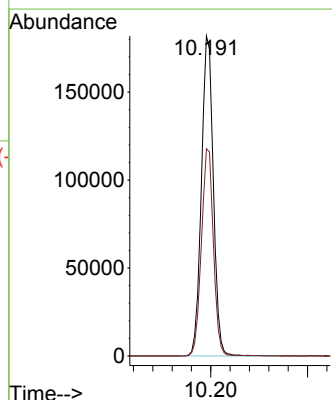
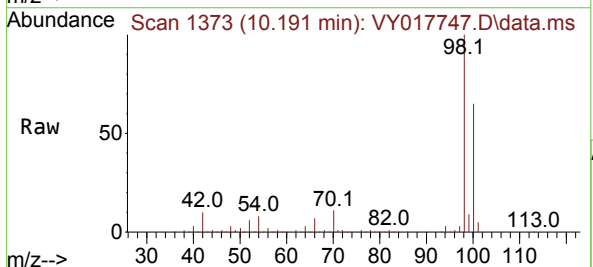
Acq: 25 Mar 2024 10:26

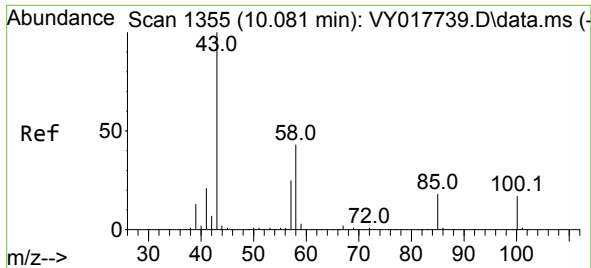
Tgt Ion: 98 Resp: 310926

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.787 ug/l

RT: 10.081 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017747.D

Acq: 25 Mar 2024 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

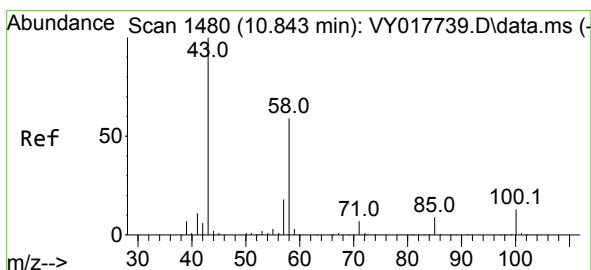
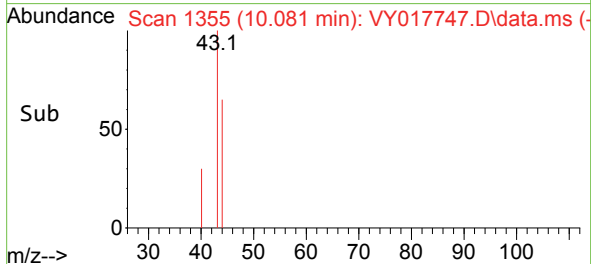
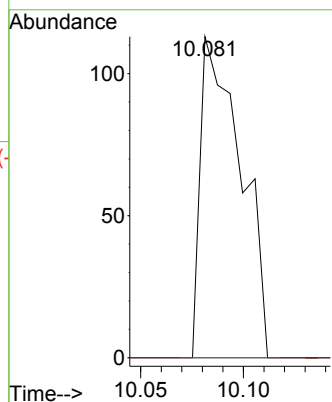
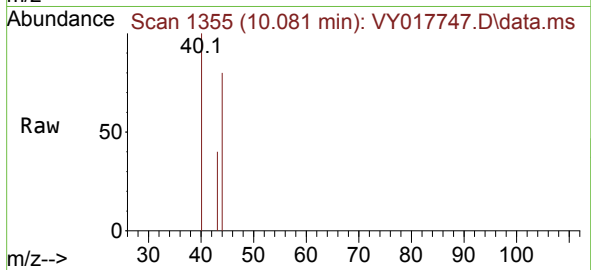
VY0325SBL01

Tgt Ion: 43 Resp: 155

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#59

2-Hexanone

Concen: 9.912 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. 0.000 min

Lab File: VY017747.D

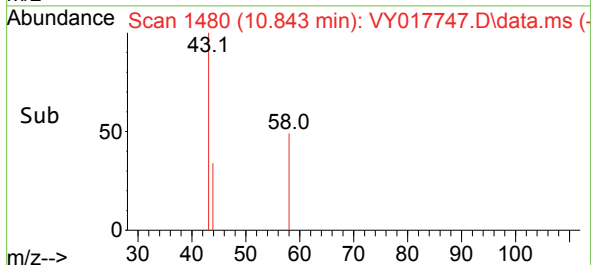
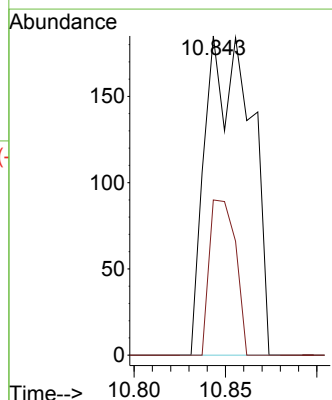
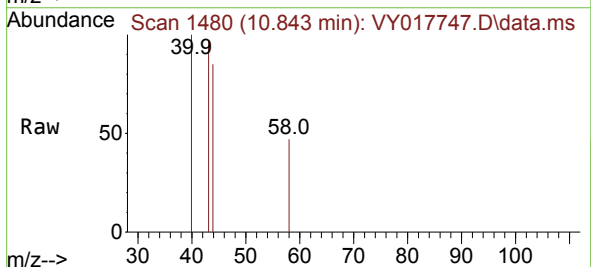
Acq: 25 Mar 2024 10:26

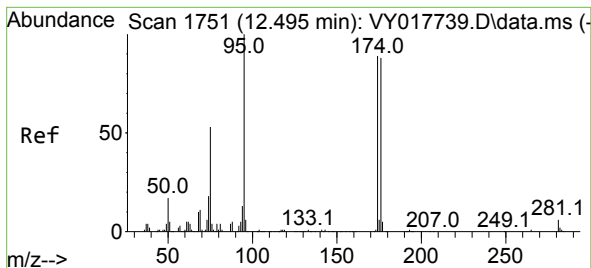
Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

58 27.9 31.4 94.0#

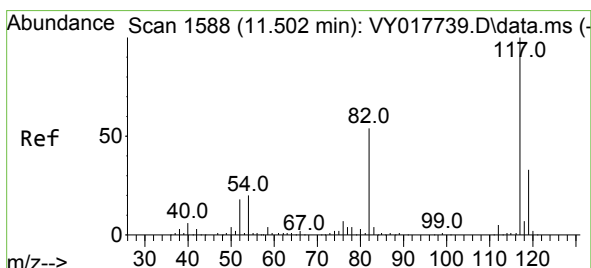
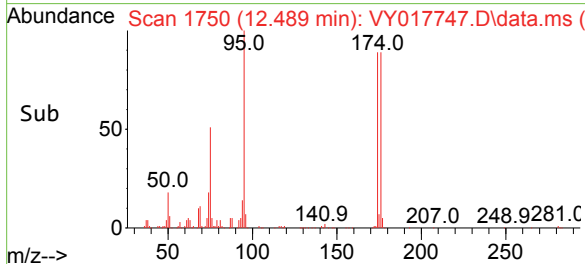
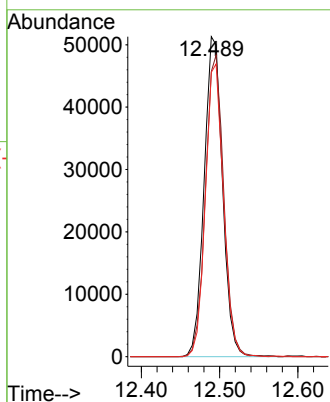
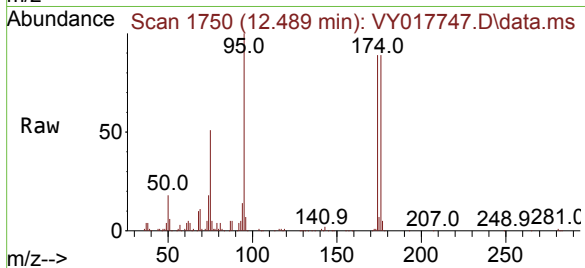




#62  
4-Bromofluorobenzene  
Concen: 44.276 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

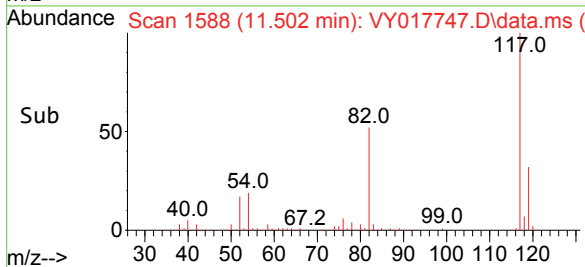
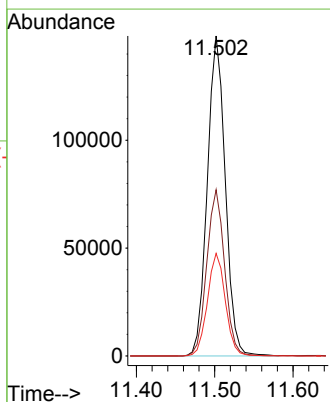
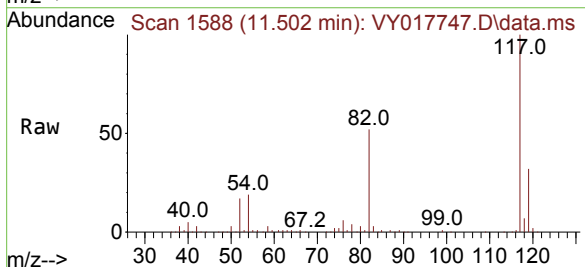
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

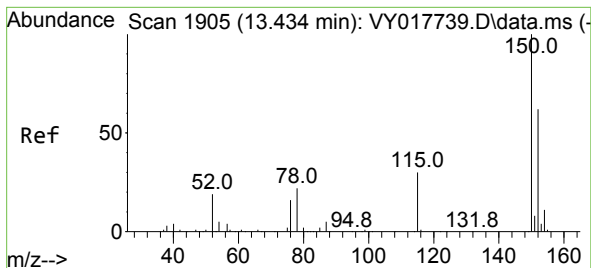
Tgt Ion: 95 Resp: 83251  
Ion Ratio Lower Upper  
95 100  
174 94.2 0.0 175.6  
176 90.1 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Tgt Ion: 117 Resp: 236235  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.4 63.6  
119 32.1 25.9 38.9

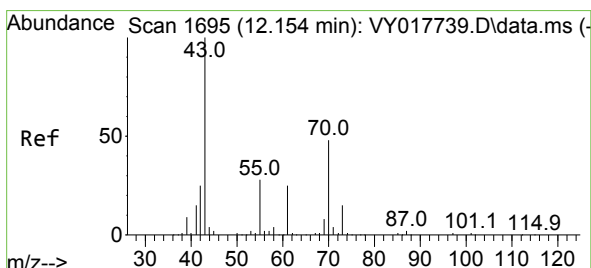
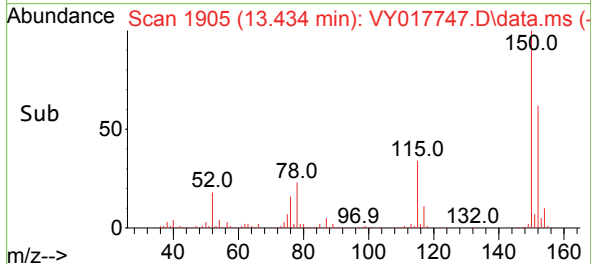
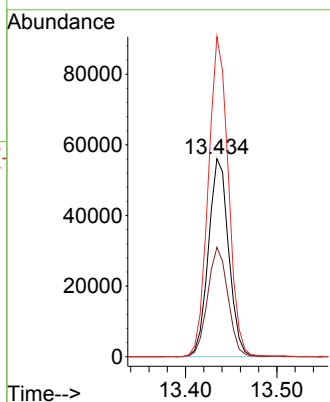
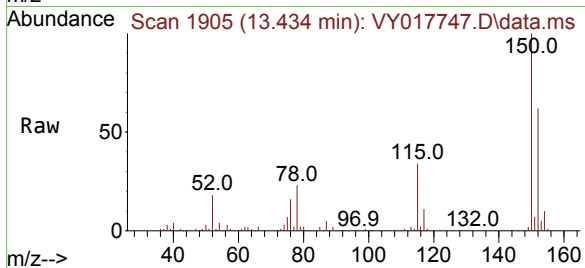




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

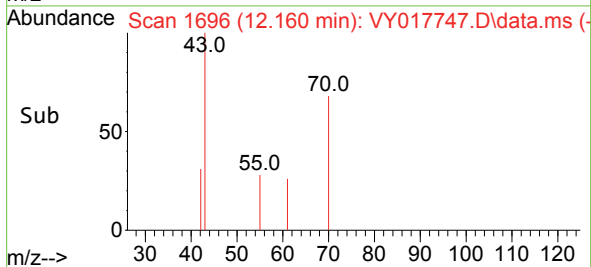
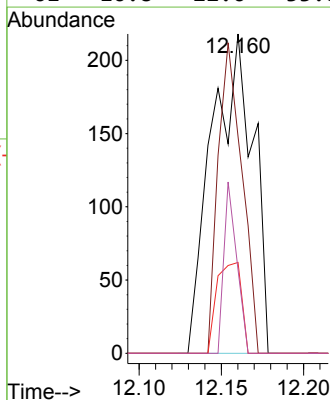
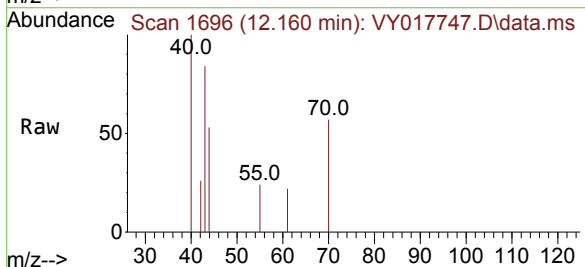
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

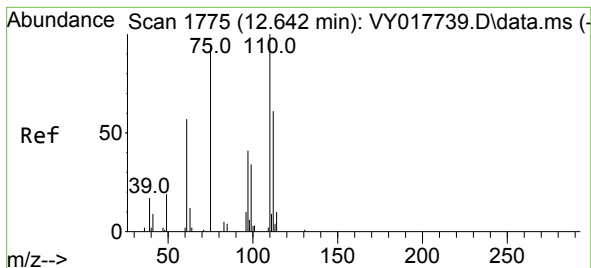
Tgt Ion:152 Resp: 85974  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.2 84.7  
150 160.8 0.0 345.6



#74  
N-ethyl acetate  
Concen: 2.586 ug/l  
RT: 12.160 min Scan# 1696  
Delta R.T. 0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Tgt Ion: 43 Resp: 380  
Ion Ratio Lower Upper  
43 100  
70 56.1 41.4 62.2  
55 16.8 23.3 34.9#  
61 16.8 22.6 33.8#

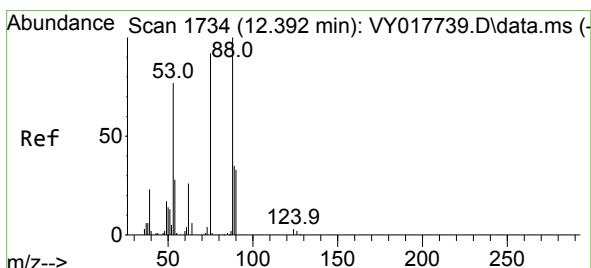
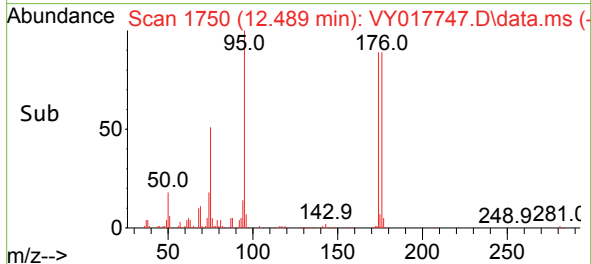
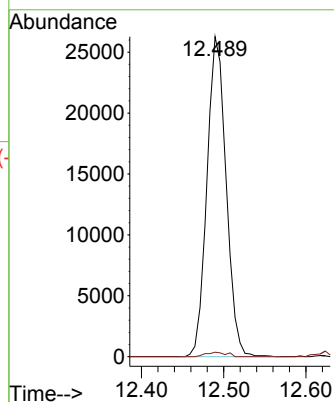
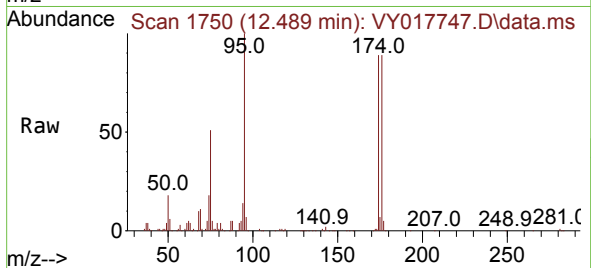




#76  
1,2,3-Trichloropropane  
Concen: 53.590 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.152 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

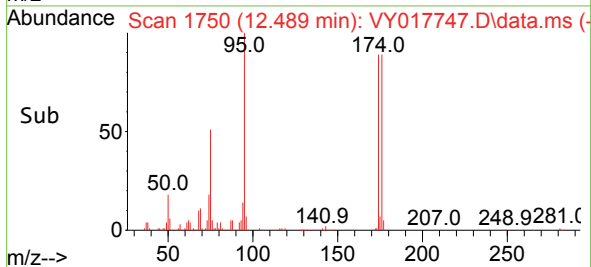
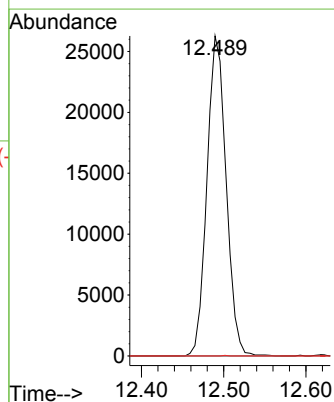
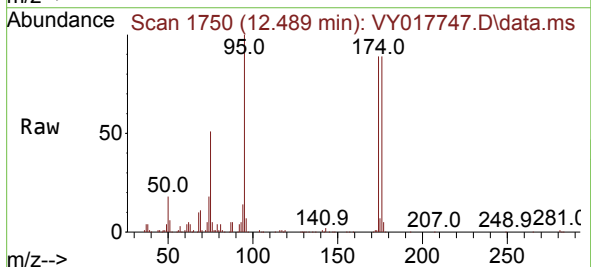
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01

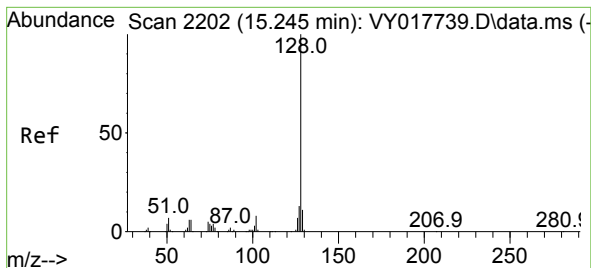
Tgt Ion: 75 Resp: 42546  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.830 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.098 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

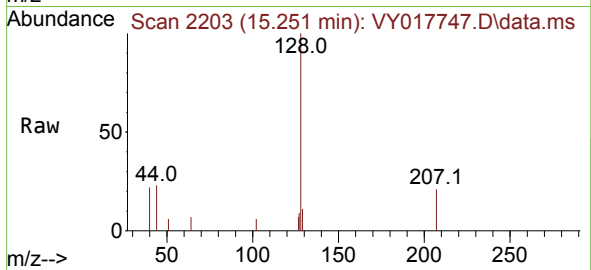
Tgt Ion: 75 Resp: 42546  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 35.8 53.6#





#95  
Naphthalene  
Concen: 3.251 ug/l  
RT: 15.251 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY017747.D  
Acq: 25 Mar 2024 10:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBL01



Tgt Ion:128 Resp: 1507  
Ion Ratio Lower Upper  
128 100  
127 16.8 10.6 16.0#  
129 10.7 8.6 13.0

