

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102824\  
 Data File : VY020040.D  
 Acq On : 28 Oct 2024 15:41  
 Operator : SY/MD  
 Sample : P4577-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 29 01:59:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

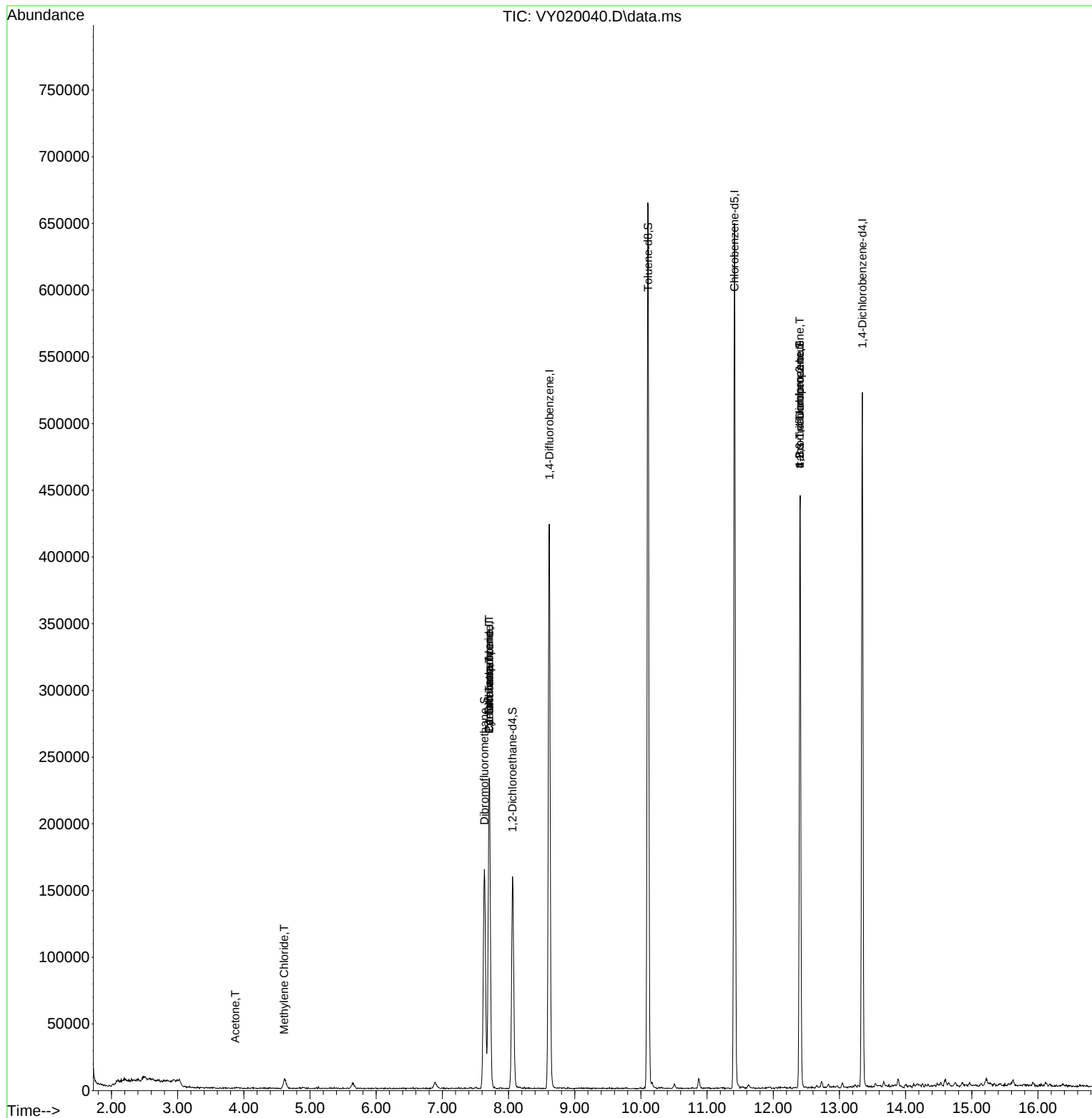
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 164063   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 342693   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 313671   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347    | 152   | 116029   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 122541   | 60.661    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 121.320% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 114943   | 50.828    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 101.660% |          |
| 50) Toluene-d8                | 10.109    | 98    | 421852   | 50.515    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 101.020% |          |
| 62) 4-Bromofluorobenzene      | 12.402    | 95    | 133212   | 44.147    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | = 88.300%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.866     | 59    | 349      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.873     | 43    | 1110     | 2.111     | ug/l #     | 36       |
| 20) Methylene Chloride        | 4.610     | 84    | 4733     | 1.656     | ug/l #     | 80       |
| 31) Cyclohexane               | 7.707     | 56    | 4951     | 1.467     | ug/l #     | 30       |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 16247    | 4.987     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 19203    | 5.498     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.402    | 75    | 75995    | 33.434    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402    | 75    | 75995    | 134.952   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

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

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MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 29 01:59:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
Response via : Initial Calibration

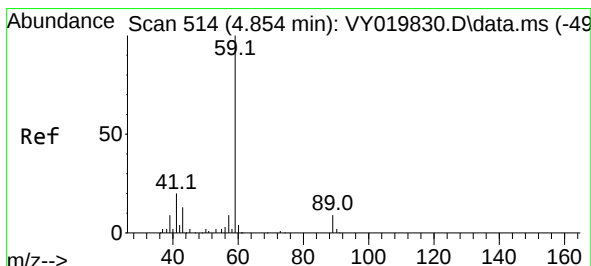
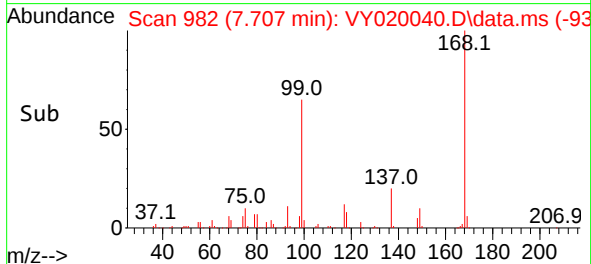
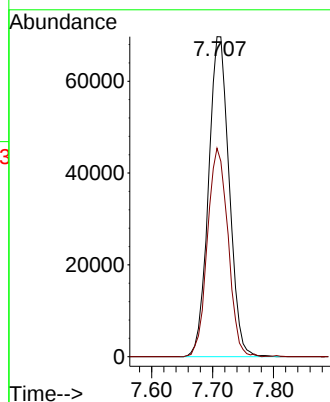
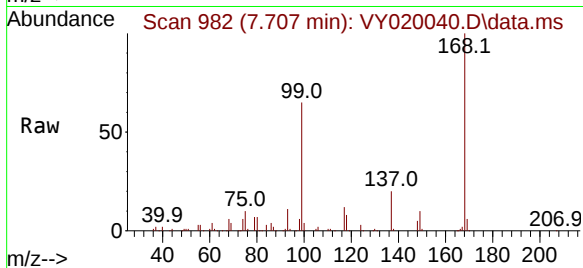




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

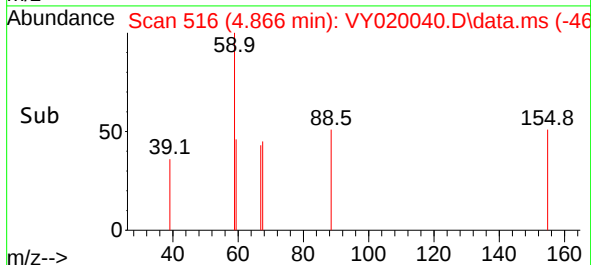
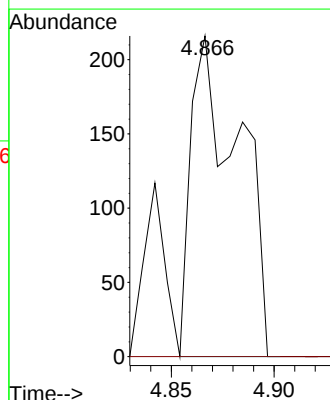
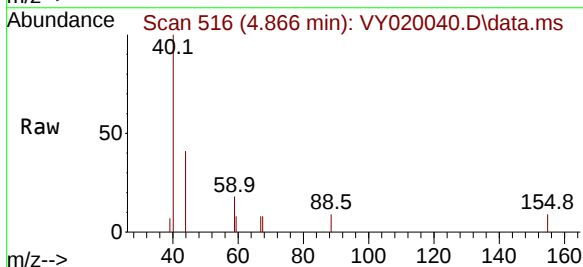
Instrument :  
MSVOA\_Y  
ClientSampleId :

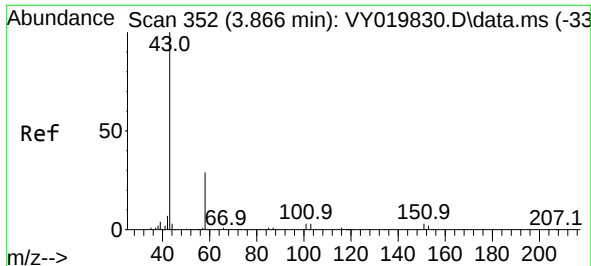
Tgt Ion:168 Resp: 164063  
Ion Ratio Lower Upper  
168 100  
99 65.1 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.866 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Tgt Ion: 59 Resp: 349  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

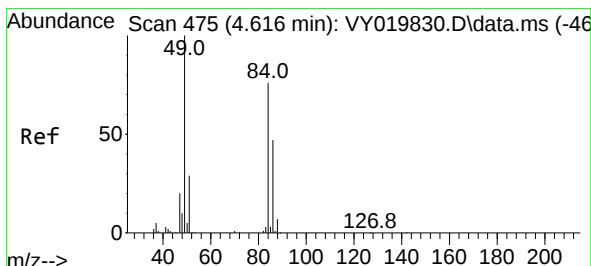
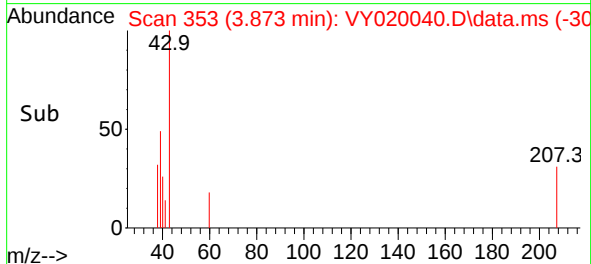
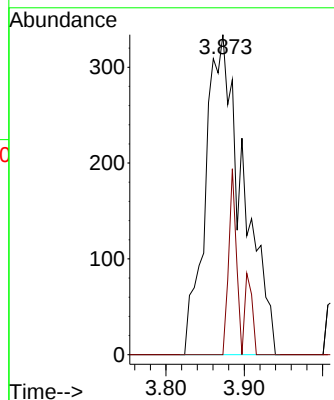
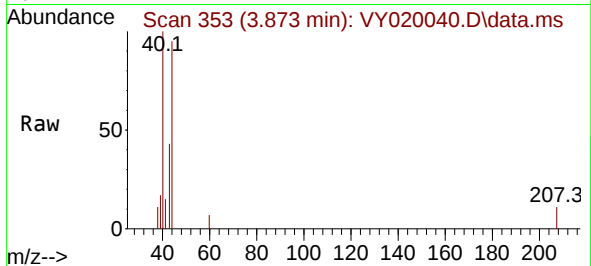




#16  
Acetone  
Concen: 2.111 ug/l  
RT: 3.873 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

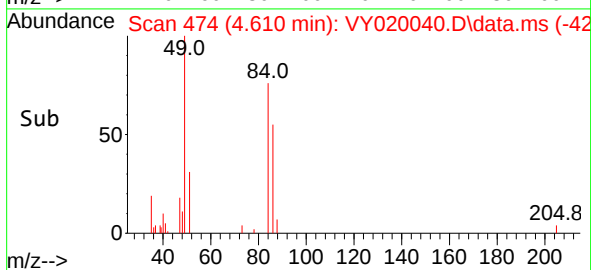
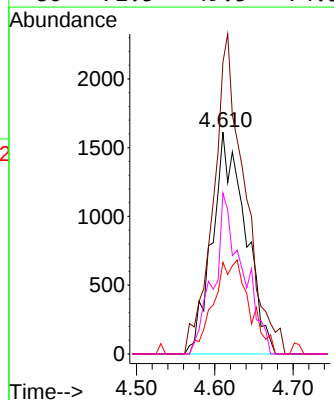
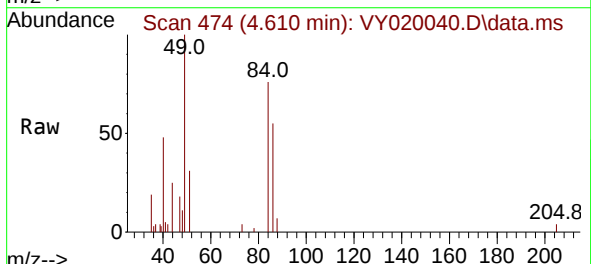
Instrument :  
MSVOA\_Y  
ClientSampleId :

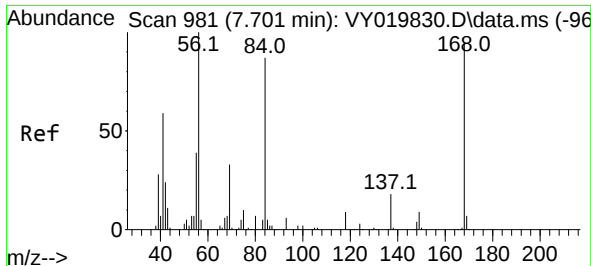
Tgt Ion: 43 Resp: 1110  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.656 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

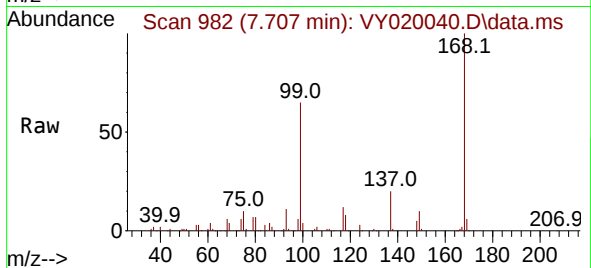
Tgt Ion: 84 Resp: 4733  
Ion Ratio Lower Upper  
84 100  
49 131.5 84.4 126.6#  
51 41.2 26.0 39.0#  
86 72.5 49.5 74.3



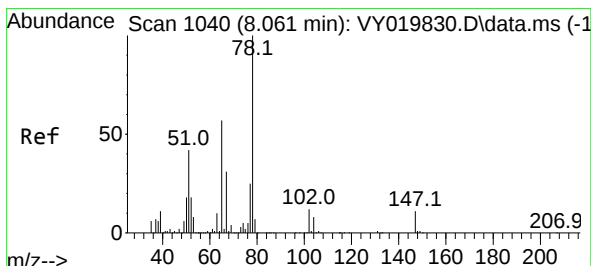
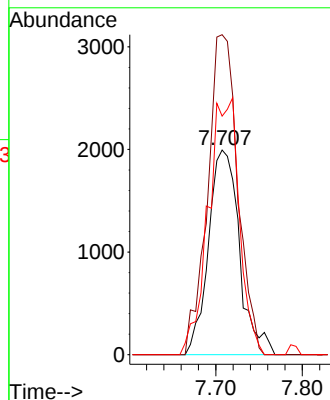
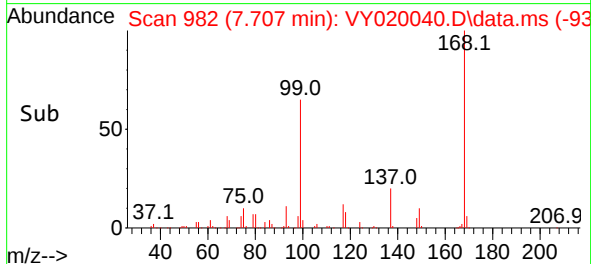


#31  
Cyclohexane  
Concen: 1.467 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

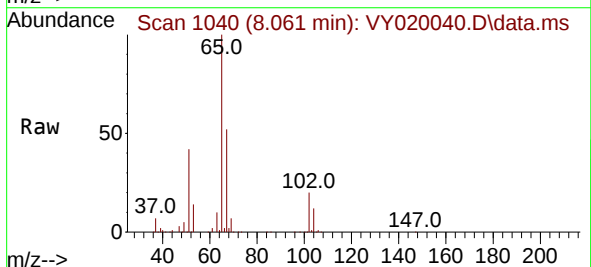
Instrument :  
MSVOA\_Y  
ClientSampleId :



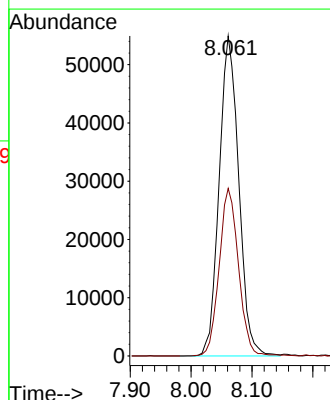
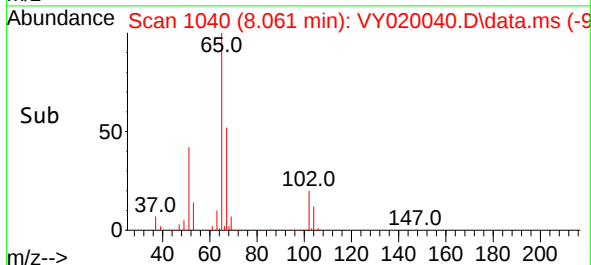
Tgt Ion: 56 Resp: 4951  
Ion Ratio Lower Upper  
56 100  
69 156.3 28.7 43.1#  
84 116.5 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 60.661 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41



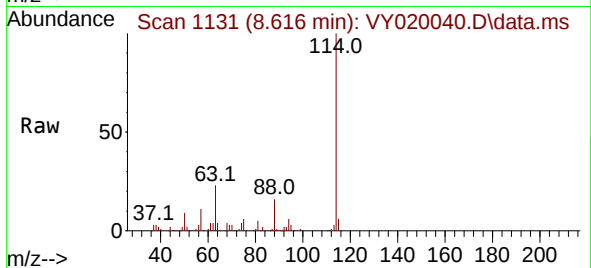
Tgt Ion: 65 Resp: 122541  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 109.6



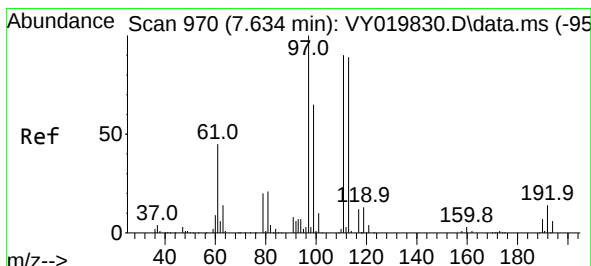
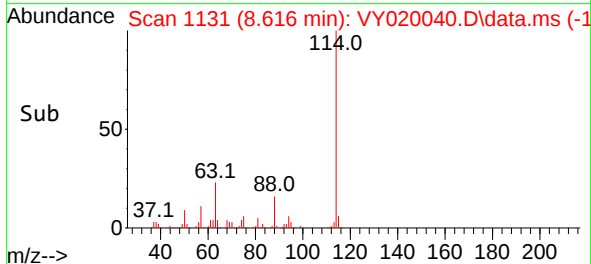
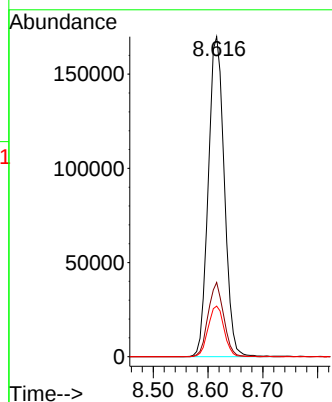


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

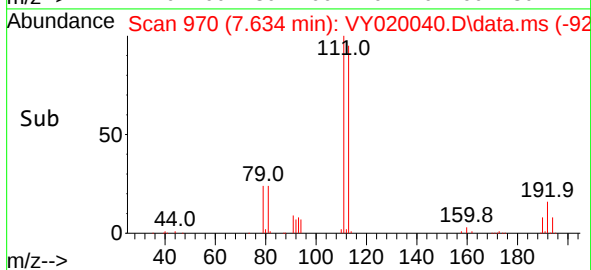
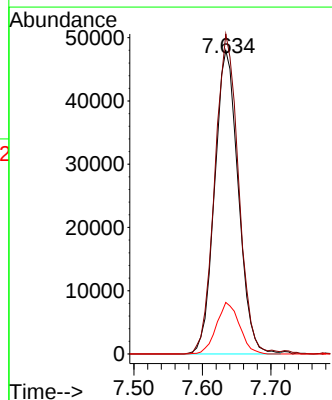
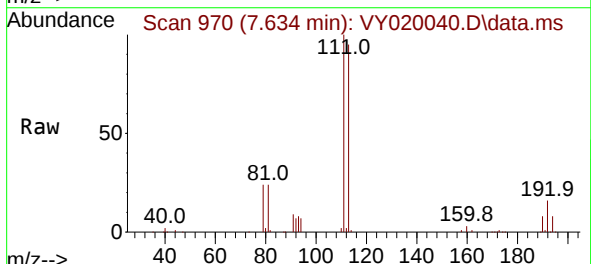


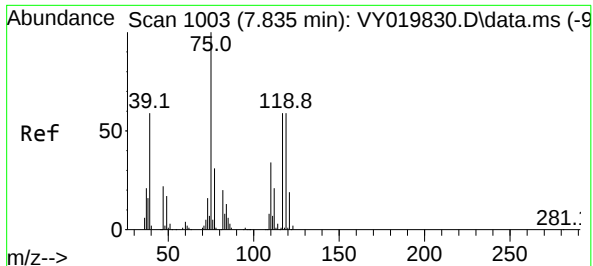
Tgt Ion:114 Resp: 342693  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 35.0  
88 15.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 50.828 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Tgt Ion:113 Resp: 114943  
Ion Ratio Lower Upper  
113 100  
111 105.7 82.2 123.4  
192 16.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY020040.D

Acq: 28 Oct 2024 15:41

Instrument :

MSVOA\_Y

ClientSampleId :

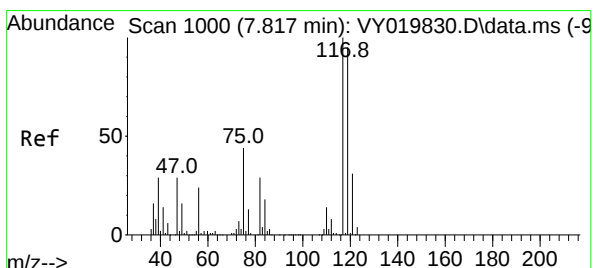
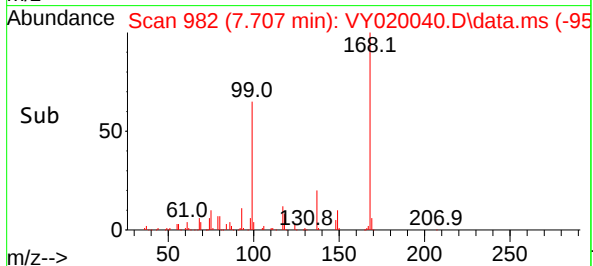
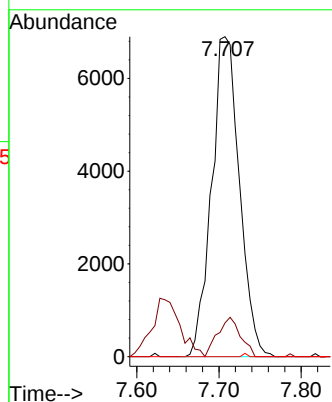
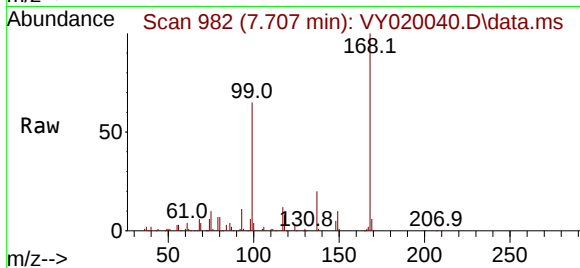
Tgt Ion: 75 Resp: 16247

Ion Ratio Lower Upper

75 100

110 10.1 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.498 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY020040.D

Acq: 28 Oct 2024 15:41

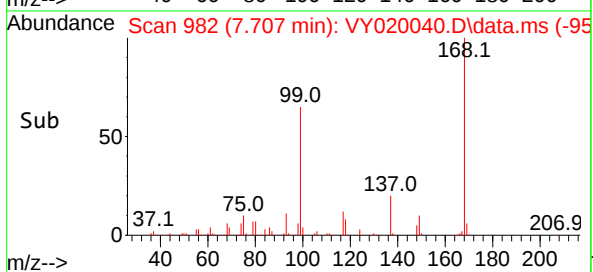
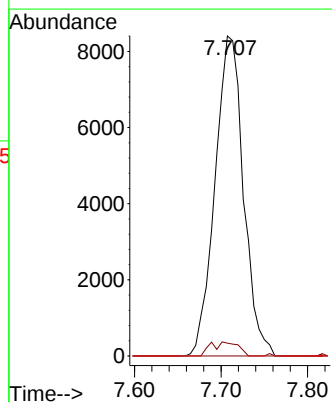
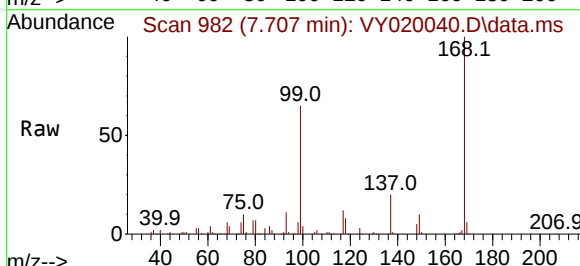
Tgt Ion: 117 Resp: 19203

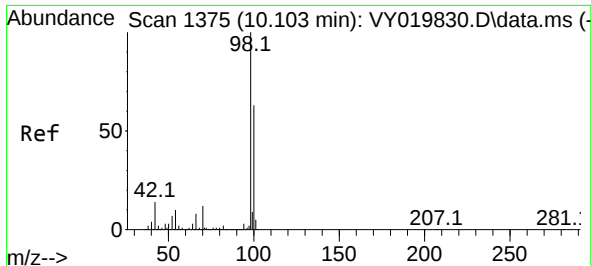
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

121 0.0 24.0 36.0#

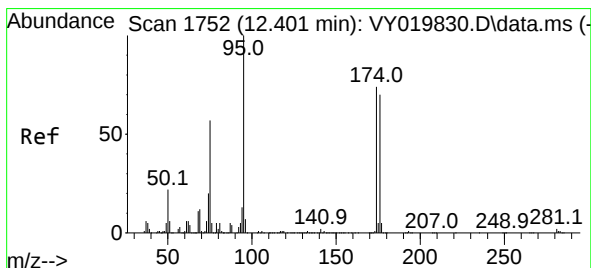
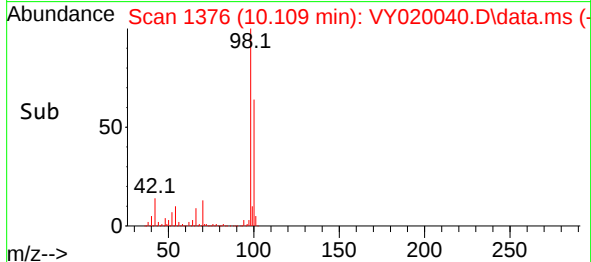
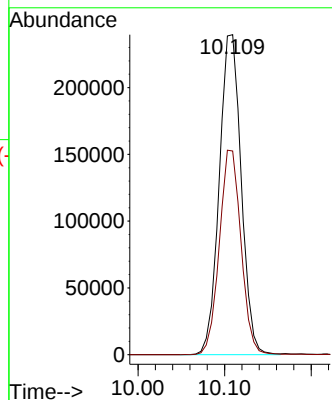
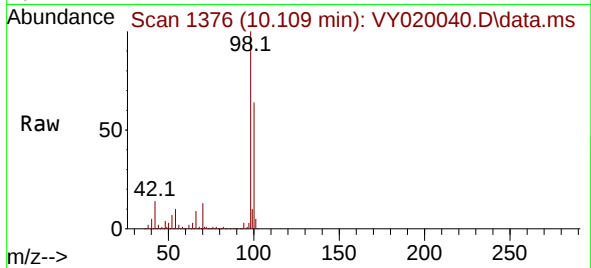




#50  
Toluene-d8  
Concen: 50.515 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

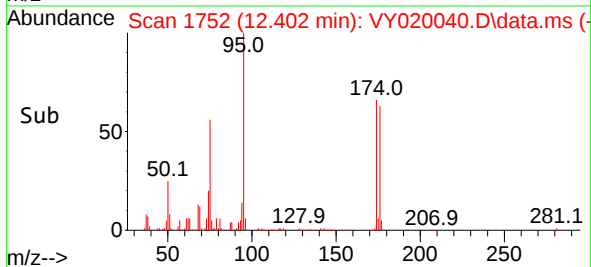
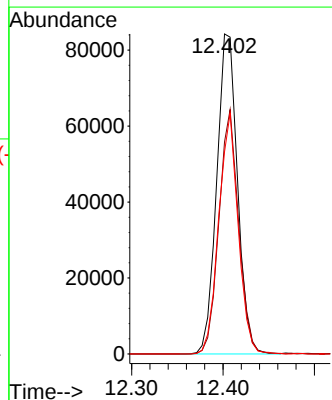
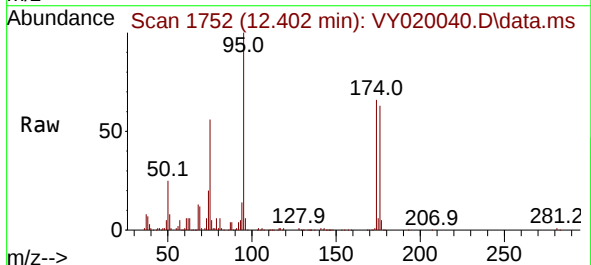
Instrument :  
MSVOA\_Y  
ClientSampleId :

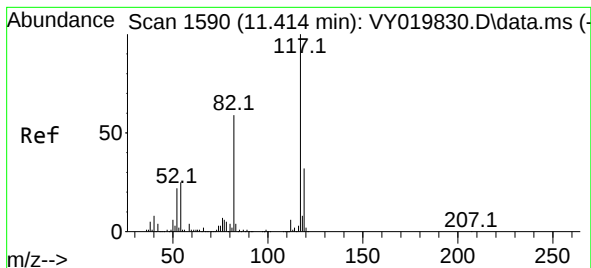
Tgt Ion: 98 Resp: 421852  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 44.147 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

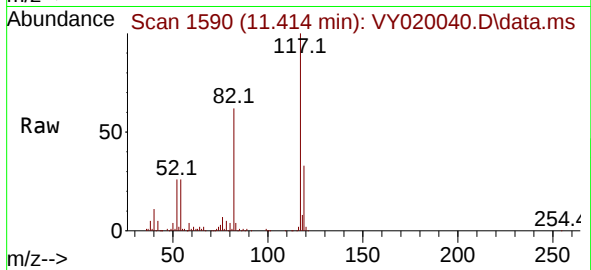
Tgt Ion: 95 Resp: 133212  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 175.6  
176 70.4 0.0 171.4



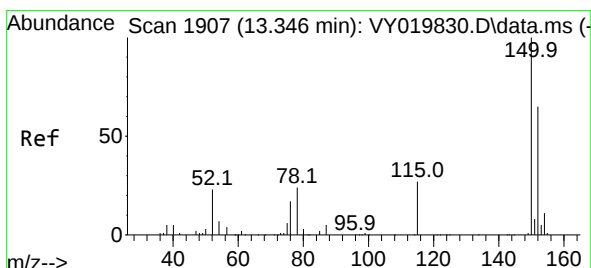
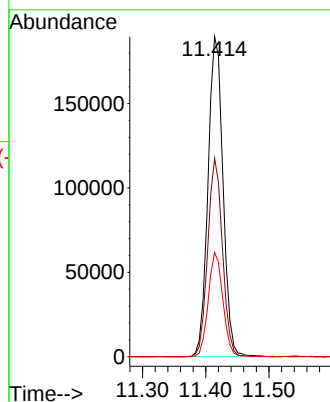
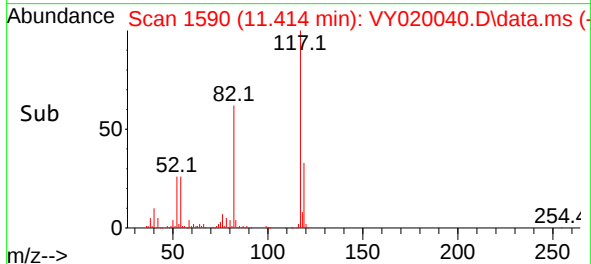


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

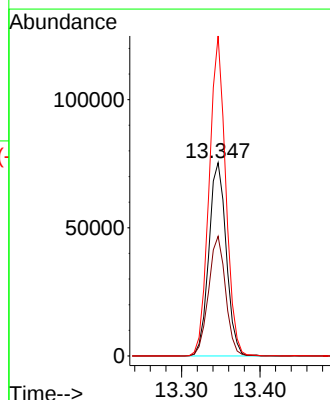
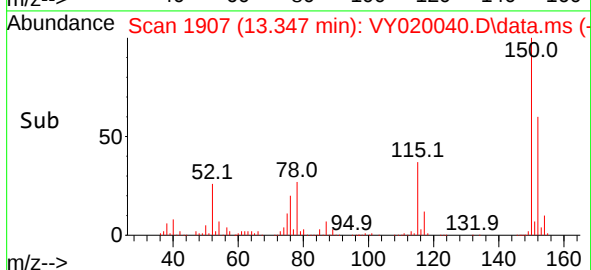
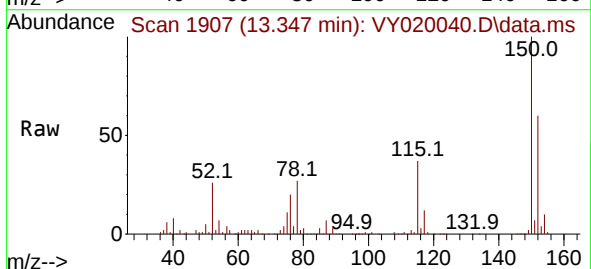


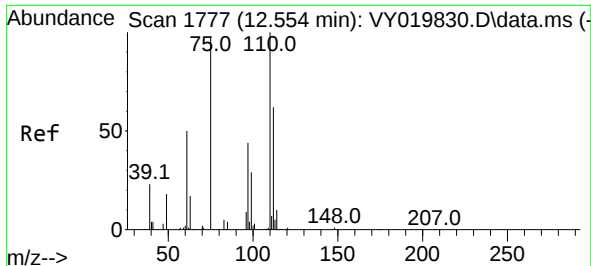
Tgt Ion:117 Resp: 313671  
Ion Ratio Lower Upper  
117 100  
82 62.0 42.4 63.6  
119 32.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Tgt Ion:152 Resp: 116029  
Ion Ratio Lower Upper  
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115 60.7 28.2 84.7  
150 157.5 0.0 345.6

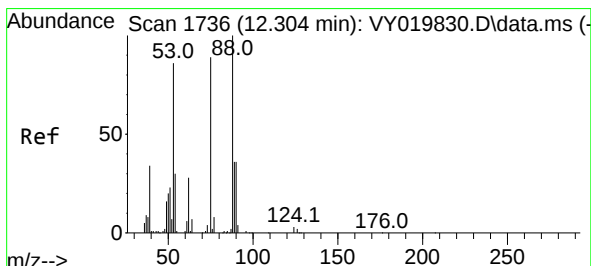
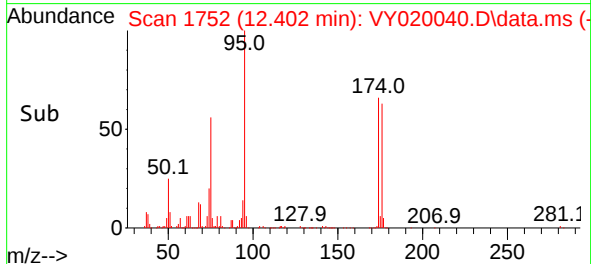
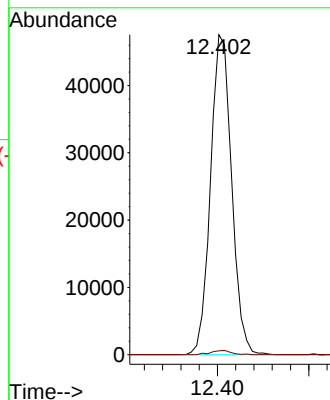
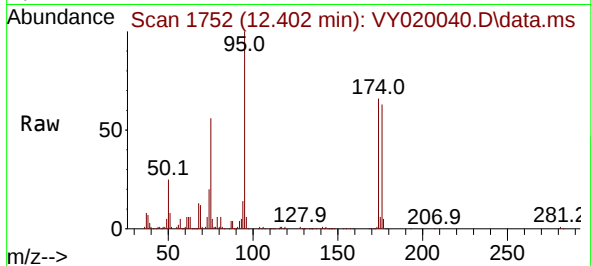




#76  
1,2,3-Trichloropropane  
Concen: 33.434 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 75995  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 134.952 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY020040.D  
Acq: 28 Oct 2024 15:41

Tgt Ion: 75 Resp: 75995  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

