

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101624\  
 Data File : VY019915.D  
 Acq On : 16 Oct 2024 15:07  
 Operator : SY/MD  
 Sample : P4406-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 17 01:53:05 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

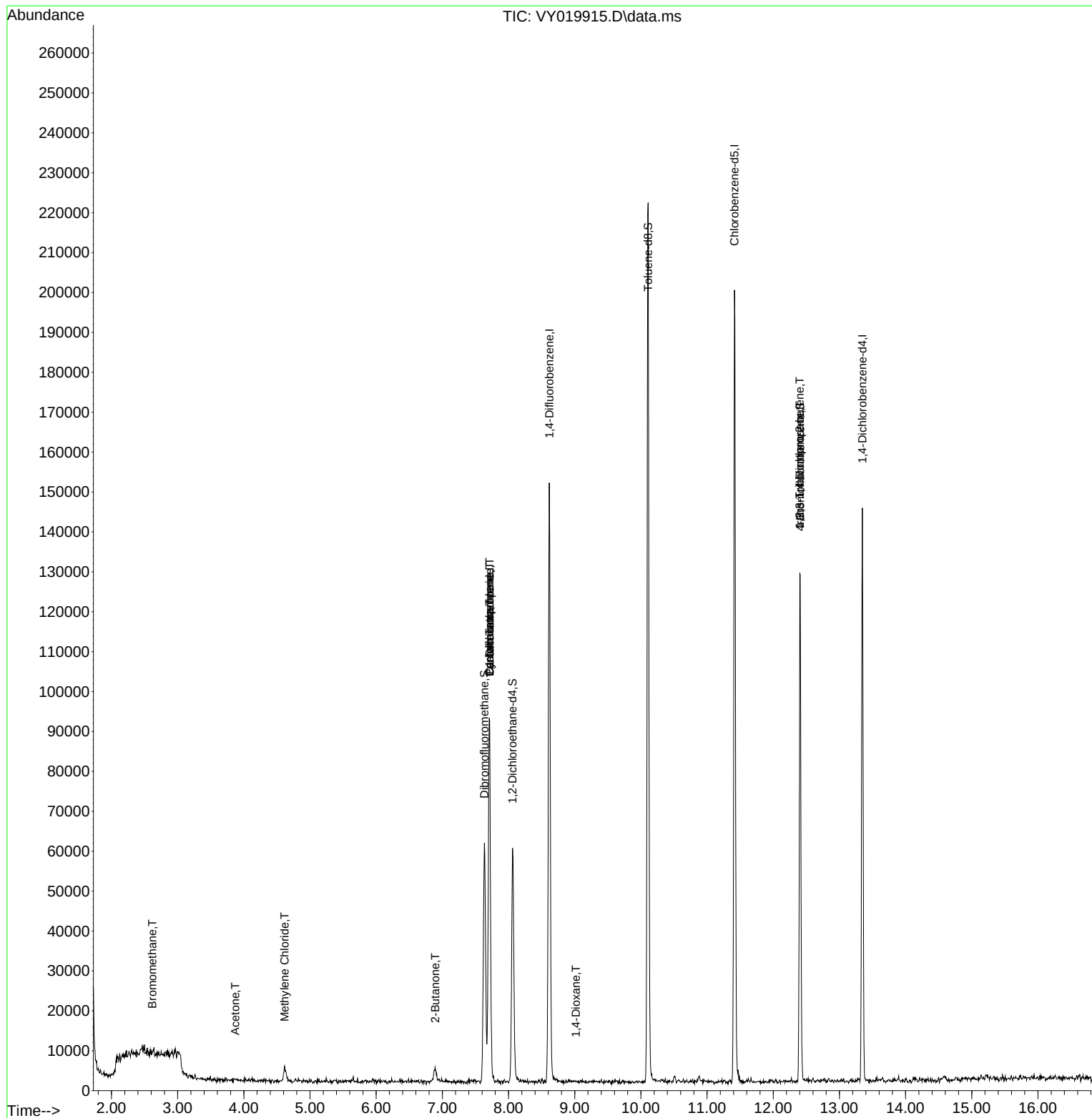
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 61948    | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 121715   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 101279   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 32475    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 45939    | 60.227    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 120.460% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 42817    | 53.309    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.620% |          |
| 50) Toluene-d8                | 10.109 | 98    | 143915   | 48.521    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 97.040%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 39499    | 36.856    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 73.720%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.617  | 94    | 530      | 1.014     | ug/l       | # 55     |
| 11) Tert butyl alcohol        | 4.836  | 59    | 210      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.873  | 43    | 582      | 2.931     | ug/l       | 98       |
| 20) Methylene Chloride        | 4.616  | 84    | 2163     | 2.177     | ug/l       | # 74     |
| 25) 2-Butanone                | 6.890  | 43    | 321      | 1.208     | ug/l       | # 41     |
| 31) Cyclohexane               | 7.713  | 56    | 1987     | 1.559     | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 6102     | 5.273     | ug/l       | # 48     |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 6646     | 5.358     | ug/l       | # 16     |
| 49) 1,4-Dioxane               | 9.018  | 88    | 22       | 4.105     | ug/l       | # 20     |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 23059    | 36.246    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 23059    | 146.302   | ug/l       | # 16     |
| -----                         |        |       |          |           |            |          |

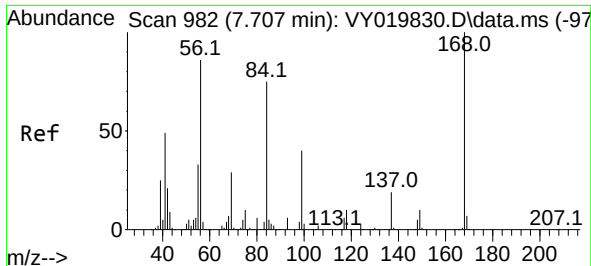
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 17 01:53:05 2024  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
Response via : Initial Calibration

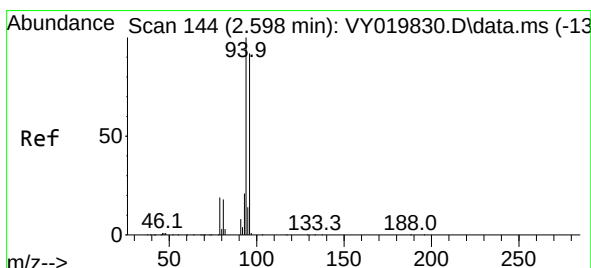
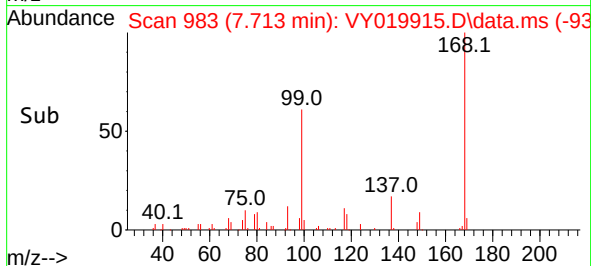
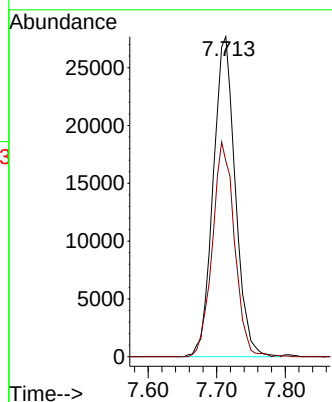
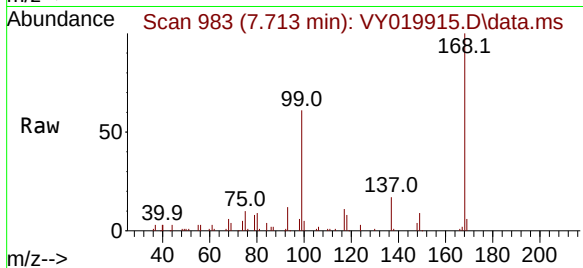




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

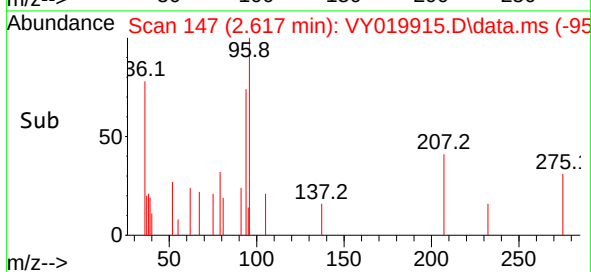
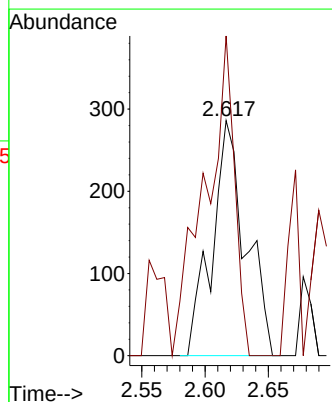
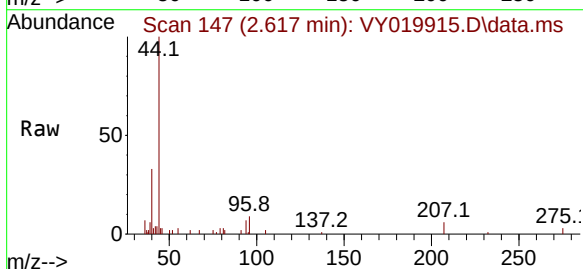
Instrument :  
MSVOA\_Y  
ClientSampleId :

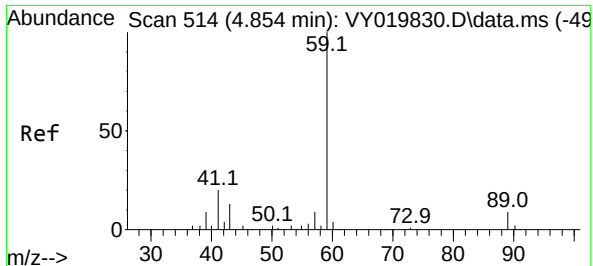
Tgt Ion:168 Resp: 61948  
Ion Ratio Lower Upper  
168 100  
99 61.2 39.1 58.7#



#5  
Bromomethane  
Concen: 1.014 ug/l  
RT: 2.617 min Scan# 147  
Delta R.T. 0.019 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

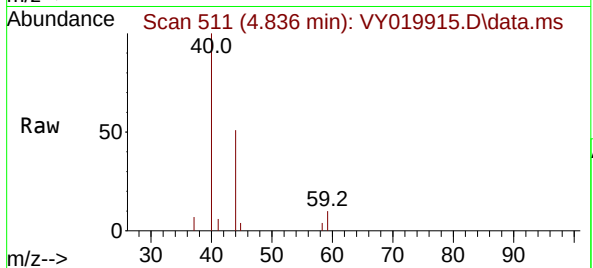
Tgt Ion: 94 Resp: 530  
Ion Ratio Lower Upper  
94 100  
96 136.0 74.1 111.1#



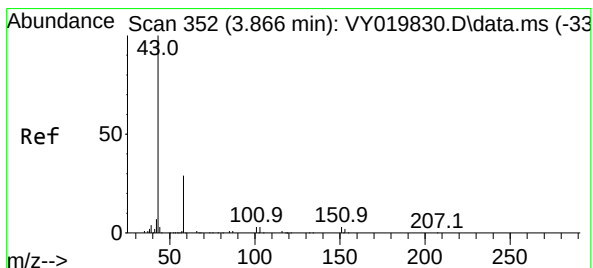
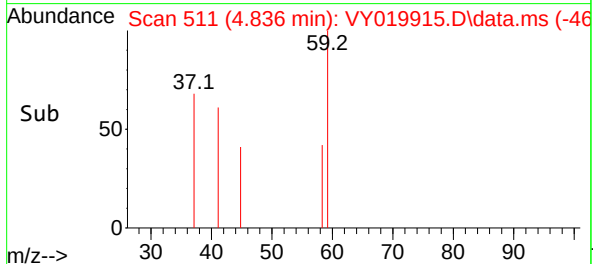
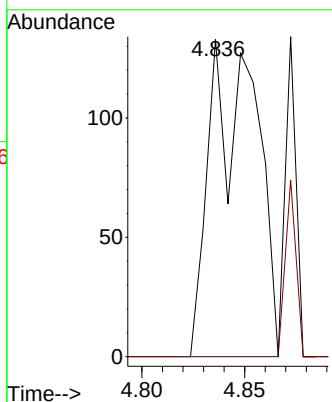


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.836 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

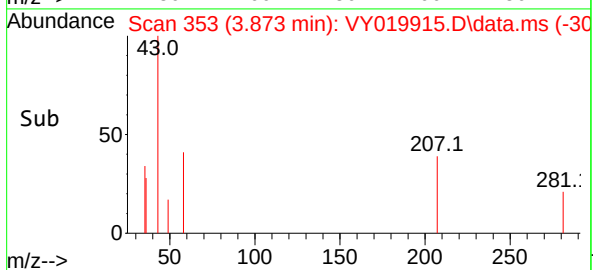
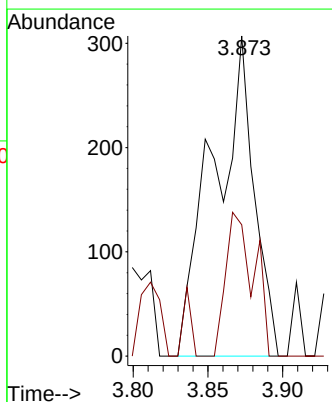
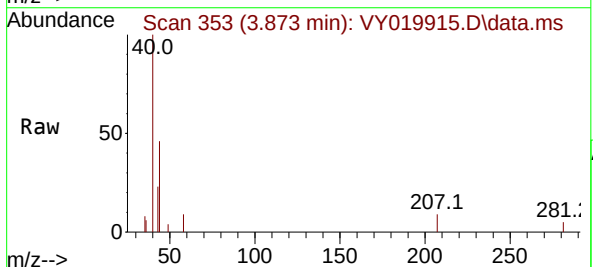


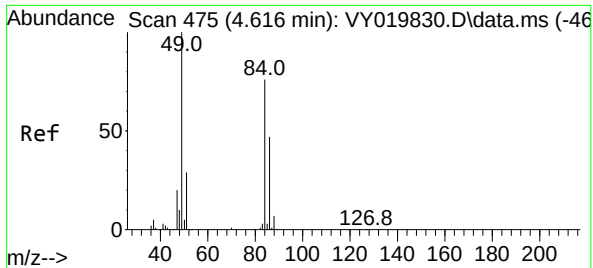
Tgt Ion: 59 Resp: 210  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



#16  
Acetone  
Concen: 2.931 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

Tgt Ion: 43 Resp: 582  
Ion Ratio Lower Upper  
43 100  
58 41.0 31.7 47.5

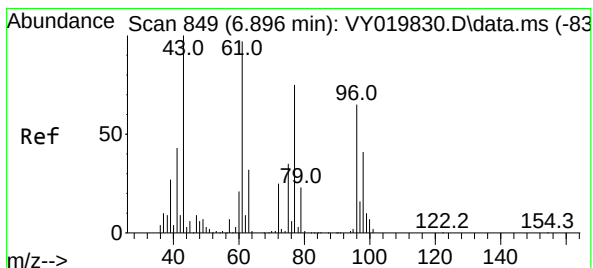
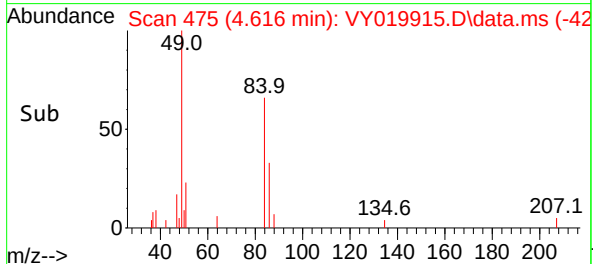
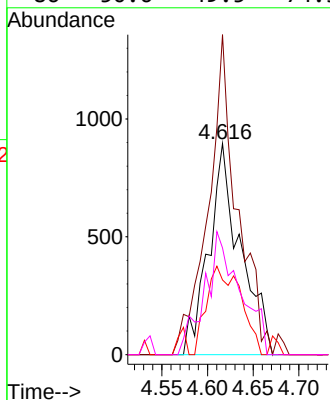
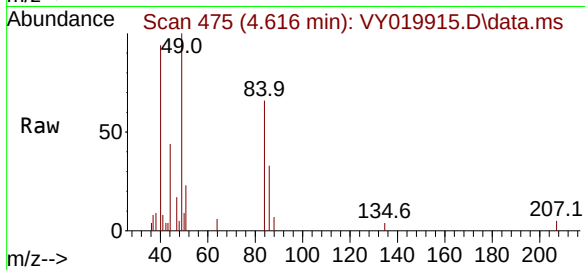




#20  
Methylene Chloride  
Concen: 2.177 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

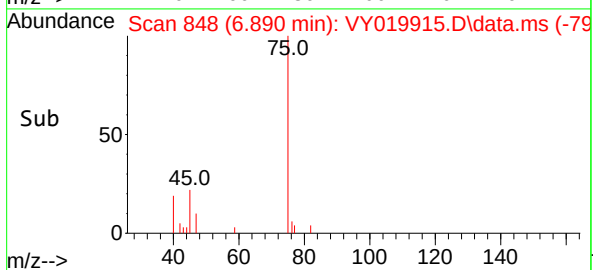
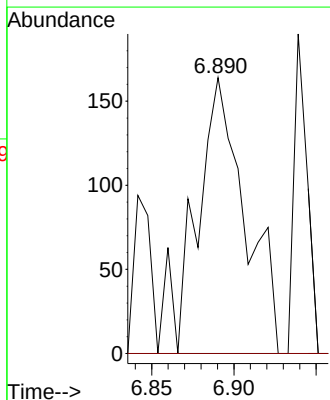
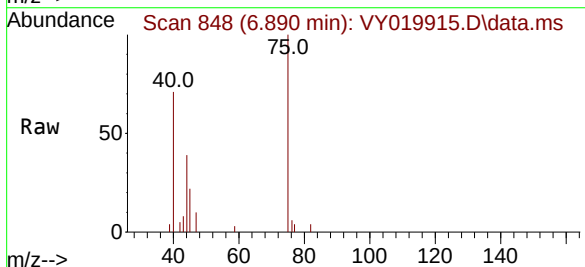
Instrument :  
MSVOA\_Y  
ClientSampleId :

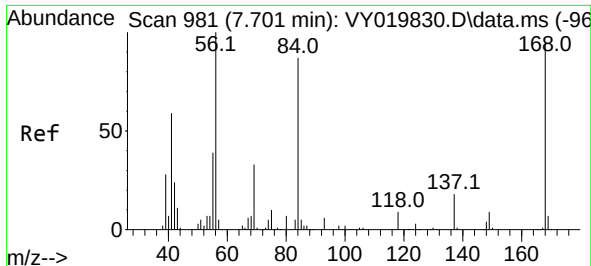
Tgt Ion: 84 Resp: 2163  
Ion Ratio Lower Upper  
84 100  
49 144.9 84.4 126.6#  
51 29.7 26.0 39.0  
86 50.6 49.5 74.3



#25  
2-Butanone  
Concen: 1.208 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

Tgt Ion: 43 Resp: 321  
Ion Ratio Lower Upper  
43 100  
72 0.0 27.3 40.9#

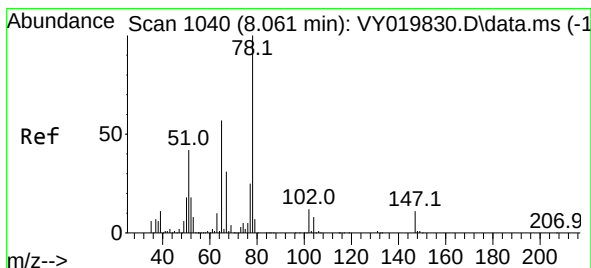
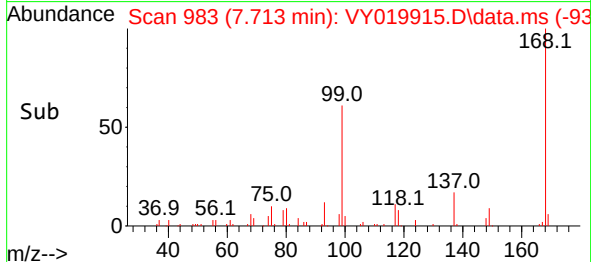
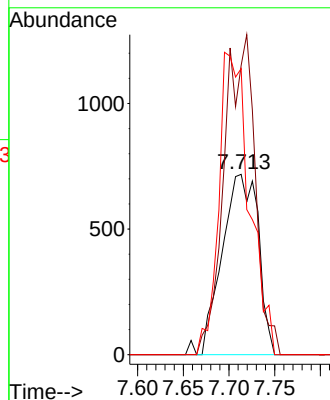
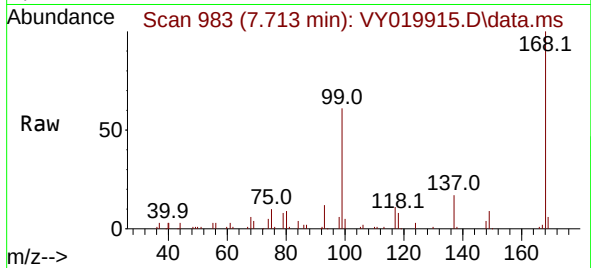




#31  
Cyclohexane  
Concen: 1.559 ug/l  
RT: 7.713 min Scan# 981  
Delta R.T. 0.013 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

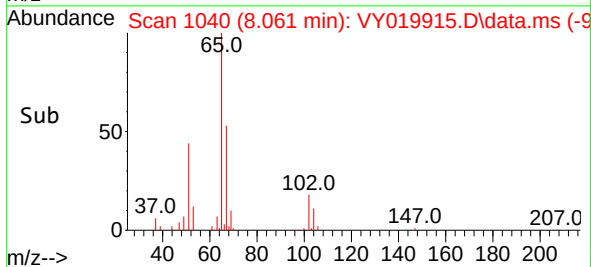
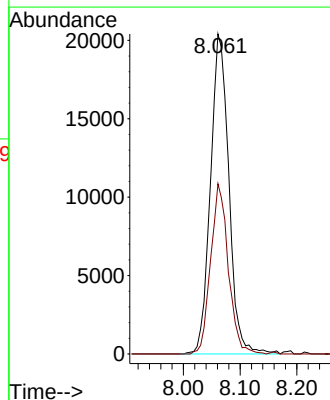
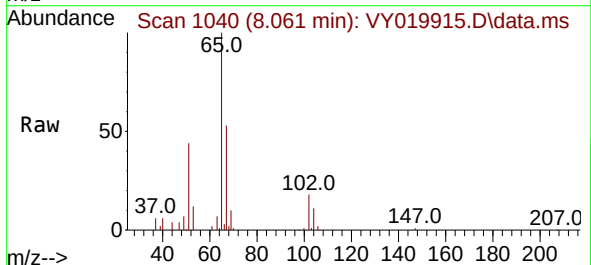
Instrument :  
MSVOA\_Y  
ClientSampleId :

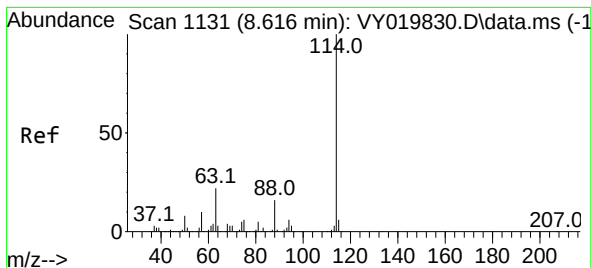
Tgt Ion: 56 Resp: 1987  
Ion Ratio Lower Upper  
56 100  
69 160.4 28.7 43.1#  
84 158.6 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 60.227 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

Tgt Ion: 65 Resp: 45939  
Ion Ratio Lower Upper  
65 100  
67 51.1 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: VY019915.D

Acq: 16 Oct 2024 15:07

Instrument :

MSVOA\_Y

ClientSampleId :

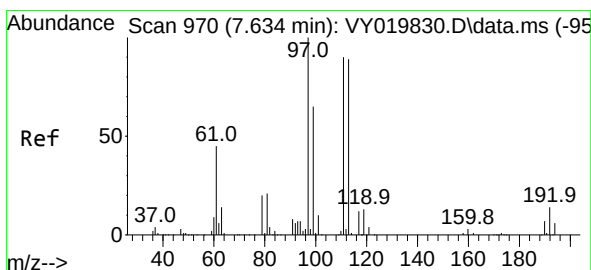
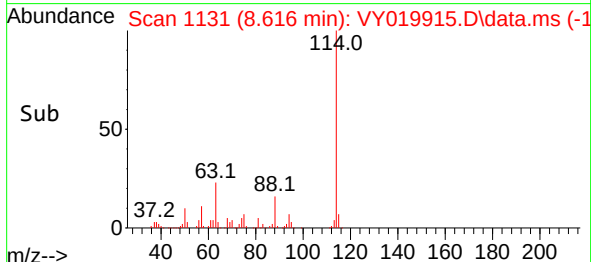
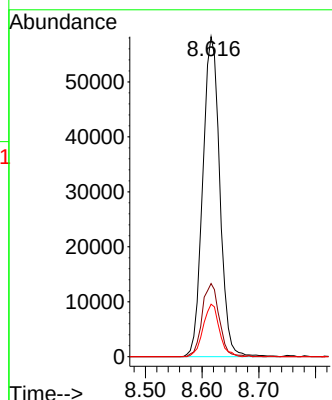
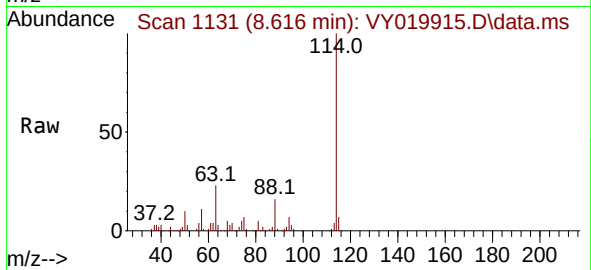
Tgt Ion:114 Resp: 121715

Ion Ratio Lower Upper

114 100

63 22.8 0.0 35.0

88 16.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.309 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019915.D

Acq: 16 Oct 2024 15:07

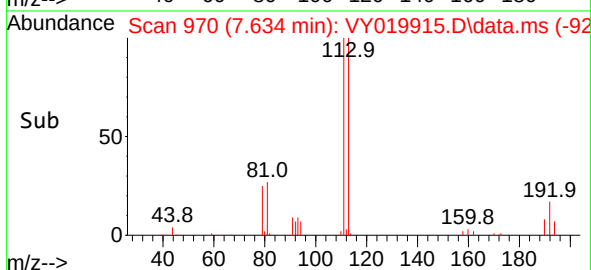
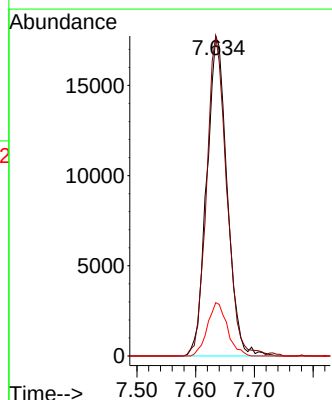
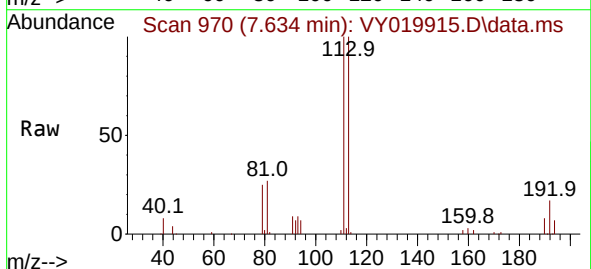
Tgt Ion:113 Resp: 42817

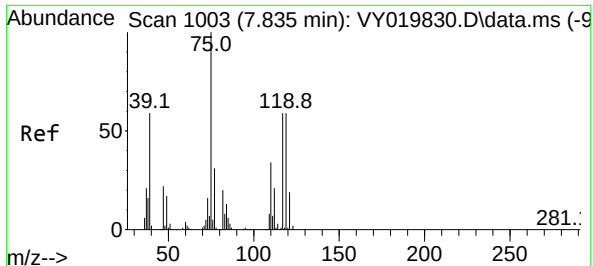
Ion Ratio Lower Upper

113 100

111 98.5 82.2 123.4

192 16.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.273 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

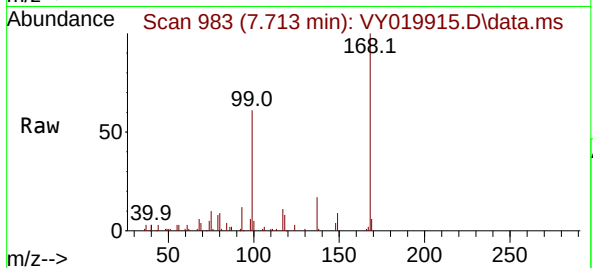
Lab File: VY019915.D

Acq: 16 Oct 2024 15:07

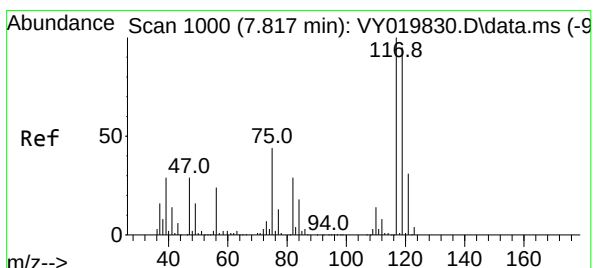
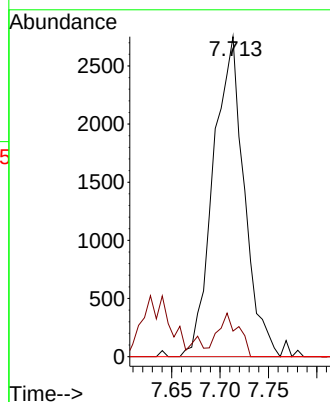
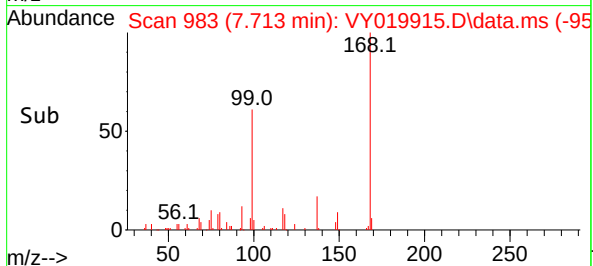
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 6102     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 9.3 19.0 57.0# |
| 77          | 0.0 25.3 37.9# |



#38

Carbon Tetrachloride

Concen: 5.358 ug/l

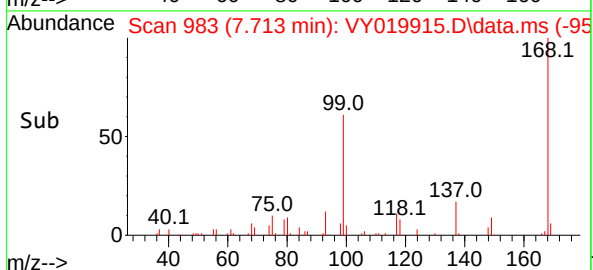
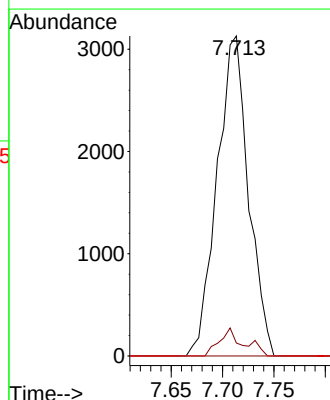
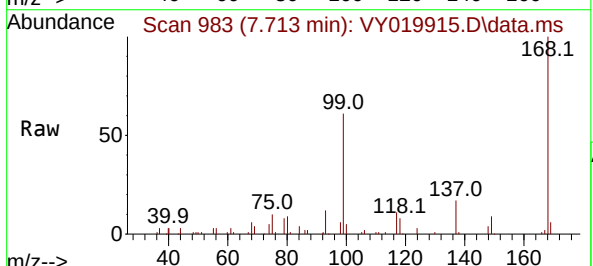
RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

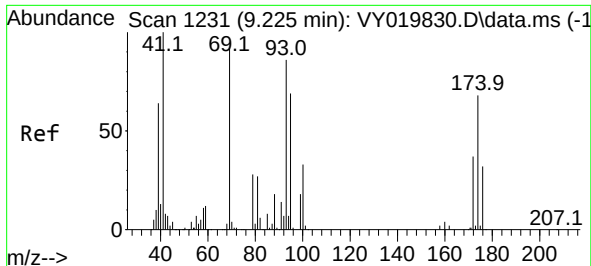
Lab File: VY019915.D

Acq: 16 Oct 2024 15:07

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 6646      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.1 75.8 113.6# |
| 121          | 0.0 24.0 36.0#  |







#49

1,4-Dioxane

Concen: 4.105 ug/l

RT: 9.018 min Scan# 1197

Delta R.T. -0.213 min

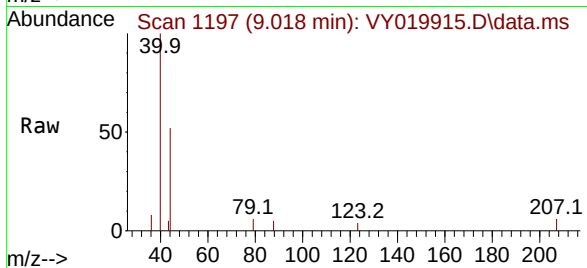
Lab File: VY019915.D

Acq: 16 Oct 2024 15:07

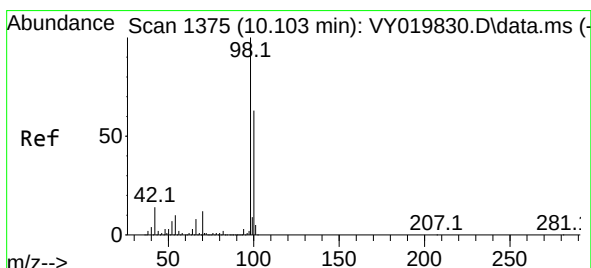
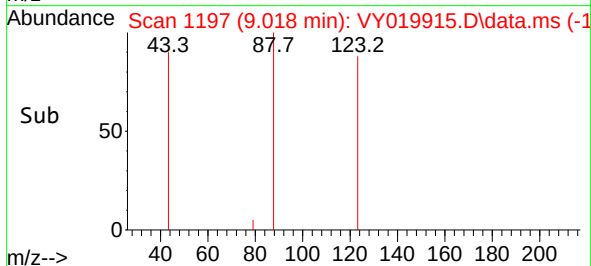
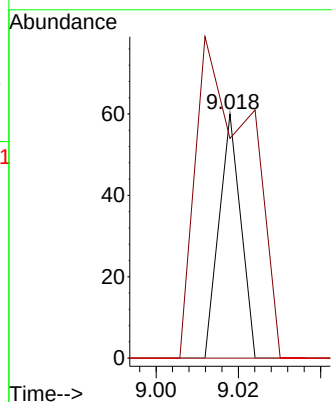
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 22    |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 322.7 | 0.0   | 0.0#  |
| 58       | 0.0   | 49.3  | 73.9# |



#50

Toluene-d8

Concen: 48.521 ug/l

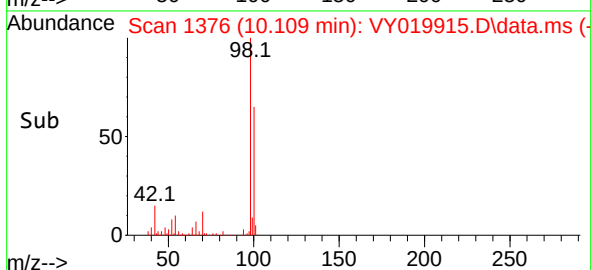
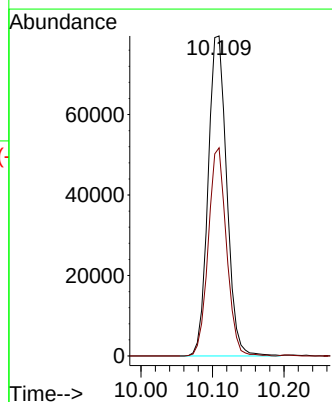
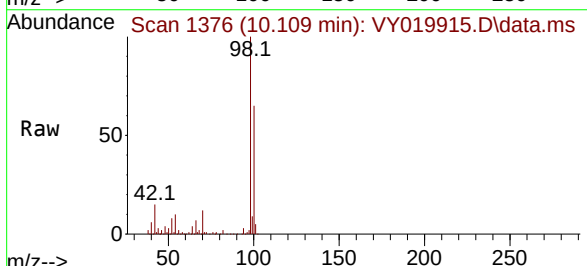
RT: 10.109 min Scan# 1376

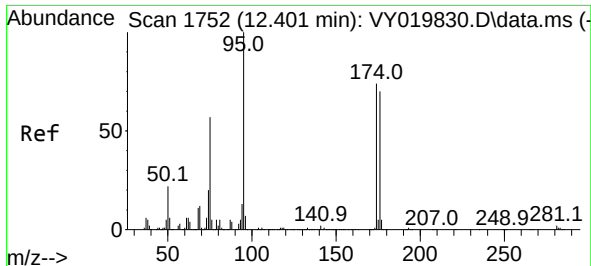
Delta R.T. 0.000 min

Lab File: VY019915.D

Acq: 16 Oct 2024 15:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 143915 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.6  | 52.0  | 78.0   |

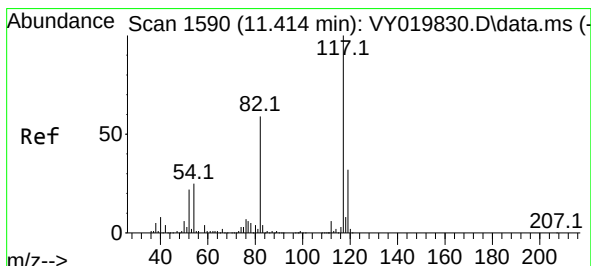
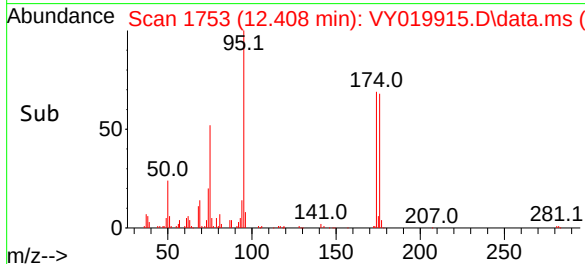
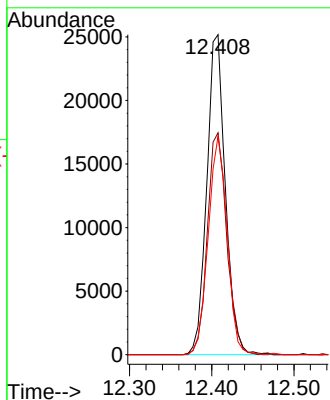
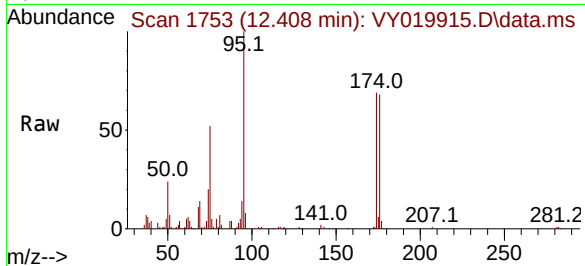




#62  
4-Bromofluorobenzene  
Concen: 36.856 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

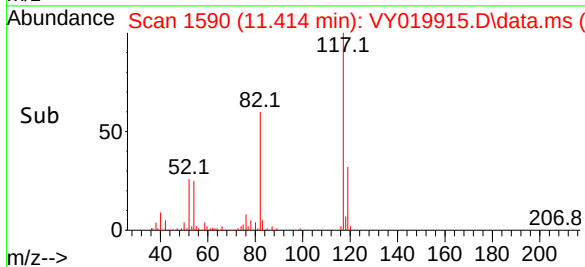
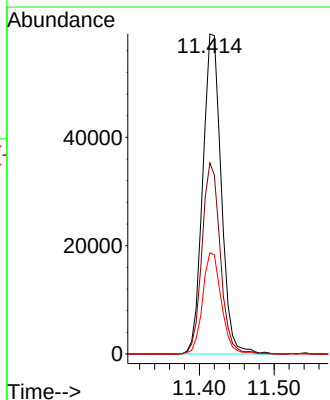
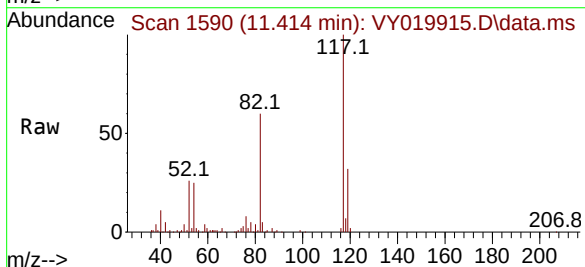
Instrument :  
MSVOA\_Y  
ClientSampleId :

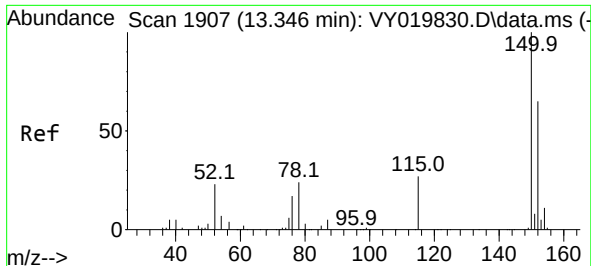
Tgt Ion: 95 Resp: 39499  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 175.6  
176 69.4 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019915.D  
Acq: 16 Oct 2024 15:07

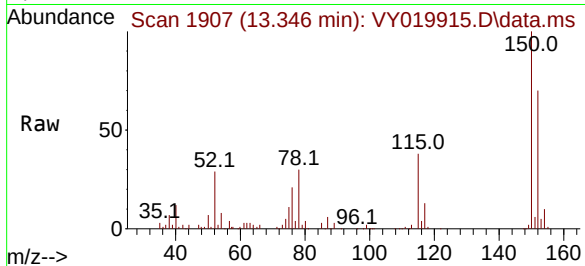
Tgt Ion: 117 Resp: 101279  
Ion Ratio Lower Upper  
117 100  
82 59.7 42.4 63.6  
119 31.6 25.9 38.9



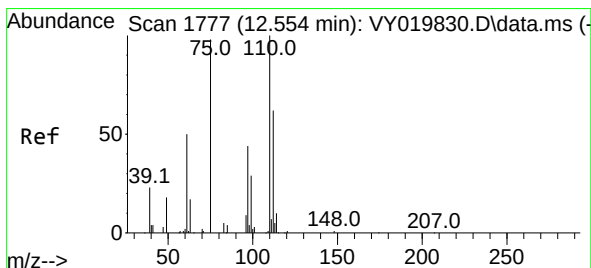
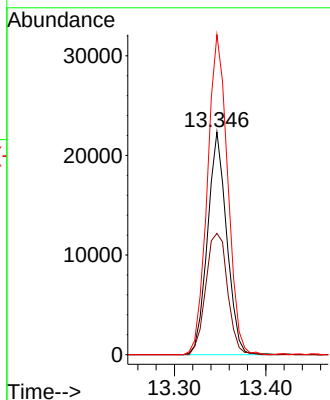
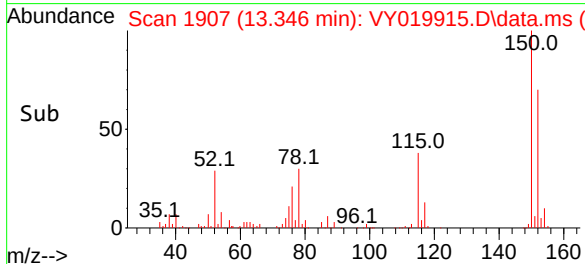


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY019915.D  
 Acq: 16 Oct 2024 15:07

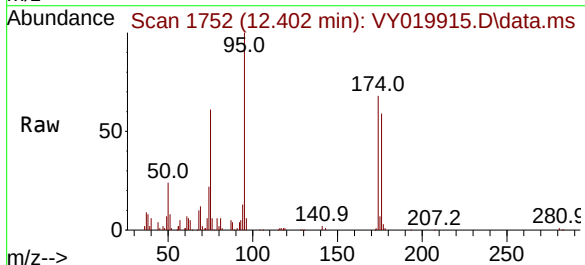
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



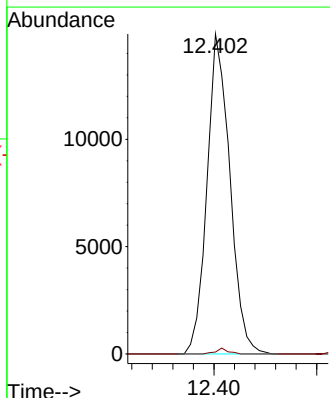
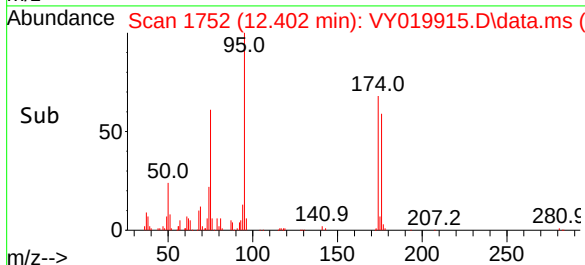
Tgt Ion:152 Resp: 32475  
 Ion Ratio Lower Upper  
 152 100  
 115 61.9 28.2 84.7  
 150 152.1 0.0 345.6

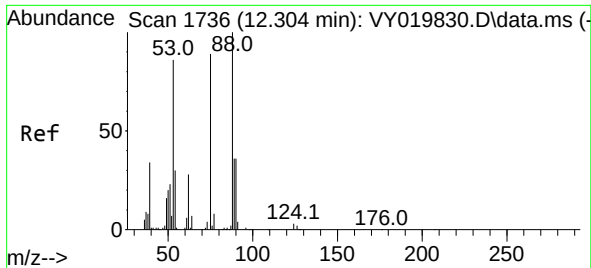


#76  
 1,2,3-Trichloropropane  
 Concen: 36.246 ug/l  
 RT: 12.402 min Scan# 1752  
 Delta R.T. -0.158 min  
 Lab File: VY019915.D  
 Acq: 16 Oct 2024 15:07



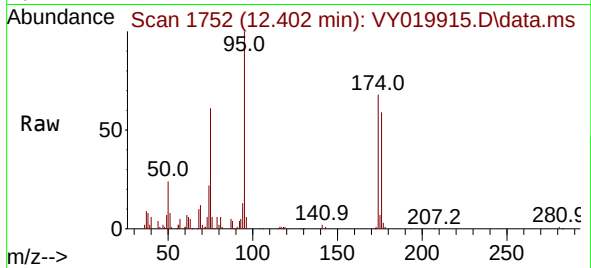
Tgt Ion: 75 Resp: 23059  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 146.302 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY019915.D  
 Acq: 16 Oct 2024 15:07

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.1   | 35.8  | 53.6#  |

