

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019239.D  
 Acq On : 23 Aug 2024 00:17  
 Operator : SY/MD  
 Sample : VY0822SBL02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 23 02:02:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

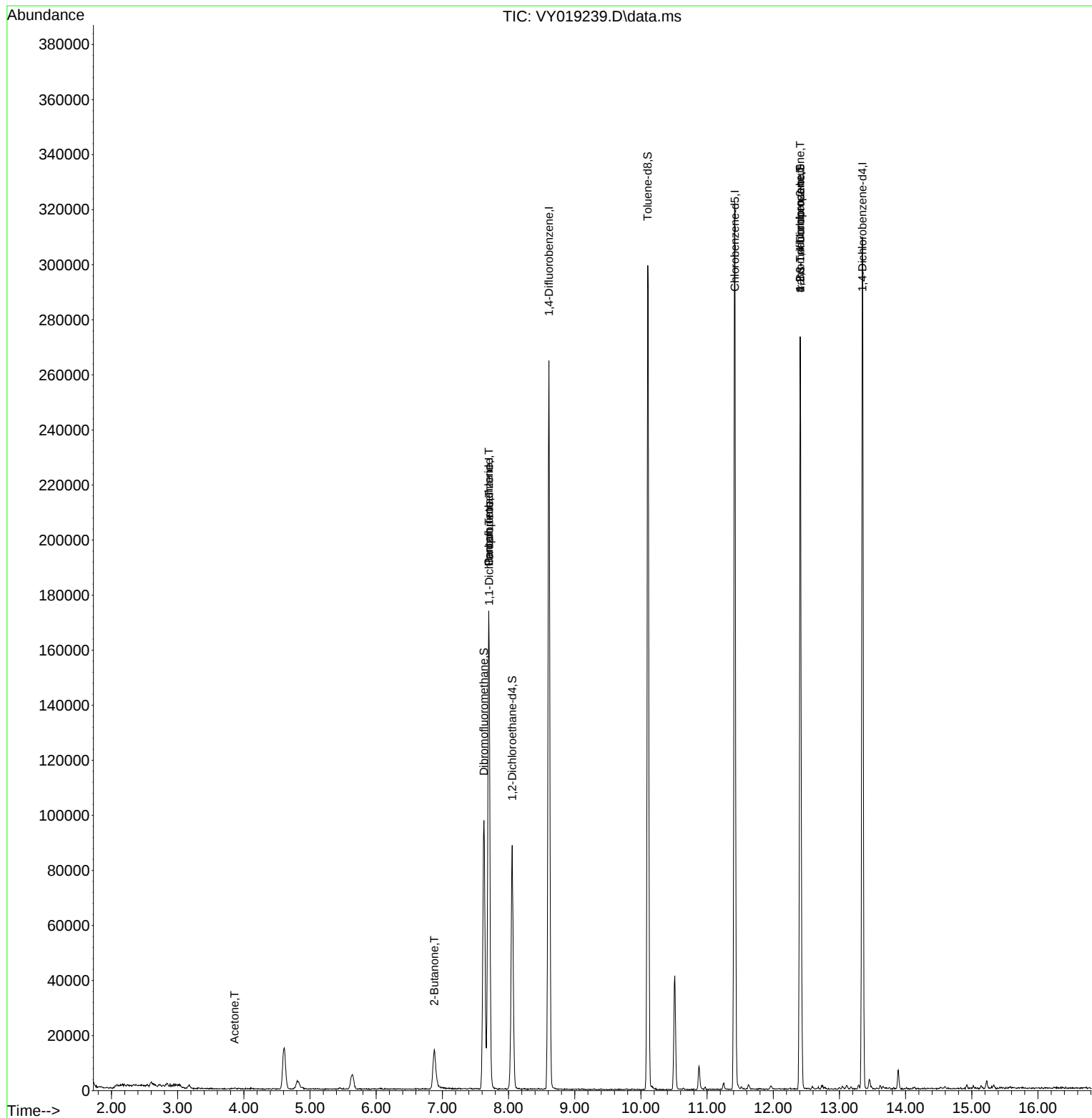
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 131823   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.609  | 114   | 223044   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 175648   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 79842    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 66408    | 50.255    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 100.500% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 67949    | 46.592    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 93.180%  |          |
| 50) Toluene-d8                | 10.103 | 98    | 191765   | 36.539    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 73.080%  |          |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 73707    | 41.197    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 82.400%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.604  | 94    | 584      | Below Cal | #          | 72       |
| 6) Chloroethane               | 2.787  | 64    | 38       | Below Cal | #          | 42       |
| 11) Tert butyl alcohol        | 4.805  | 59    | 3113     | Below Cal | #          | 88       |
| 16) Acetone                   | 3.860  | 43    | 479      | 1.955     | ug/l #     | 36       |
| 20) Methylene Chloride        | 4.598  | 84    | 11823    | Below Cal |            | 94       |
| 25) 2-Butanone                | 6.878  | 43    | 737      | 1.867     | ug/l #     | 41       |
| 31) Cyclohexane               | 7.701  | 56    | 3015     | Below Cal | #          | 2        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 10731    | 5.358     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 13788    | 5.941     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 41255    | 52.395    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 41255    | 129.398   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

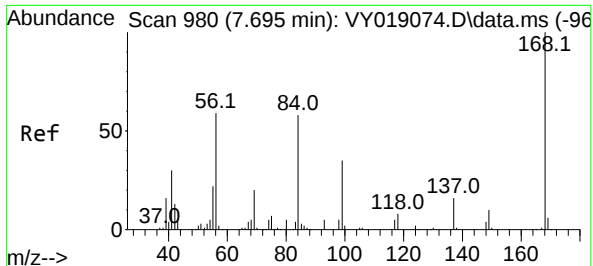
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
Data File : VY019239.D  
Acq On : 23 Aug 2024 00:17  
Operator : SY/MD  
Sample : VY08222SBL02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 23 02:02:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

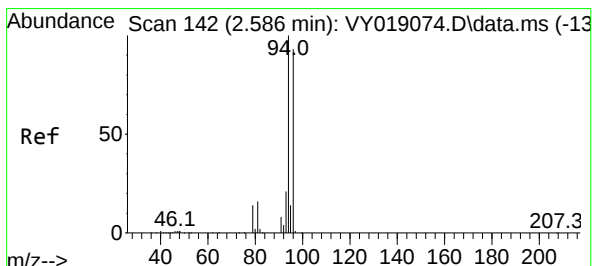
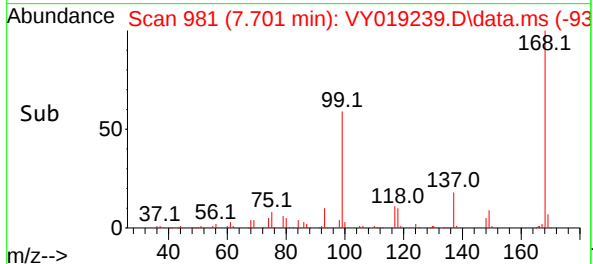
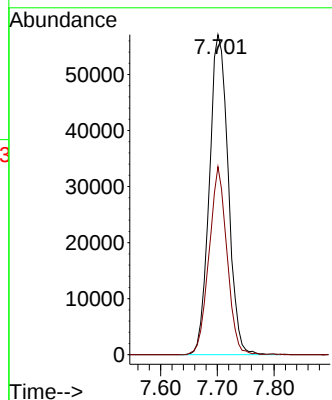
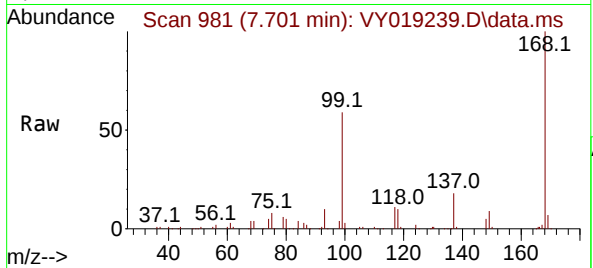




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

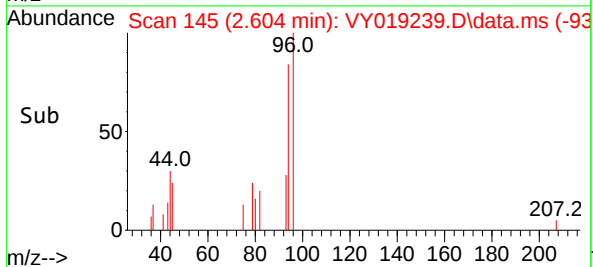
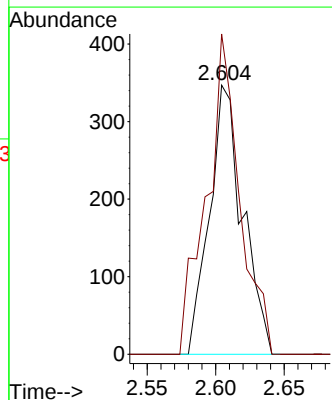
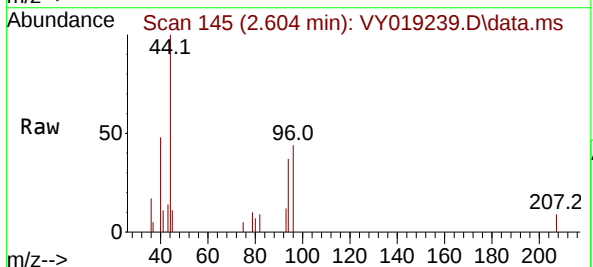
Instrument :  
MSVOA\_Y  
ClientSampleId :

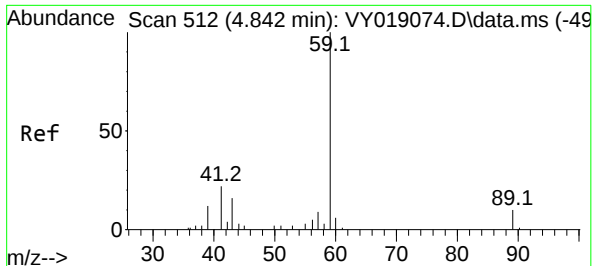
Tgt Ion:168 Resp: 131823  
Ion Ratio Lower Upper  
168 100  
99 58.8 39.1 58.7#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.604 min Scan# 145  
Delta R.T. 0.018 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion: 94 Resp: 584  
Ion Ratio Lower Upper  
94 100  
96 119.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.805 min Scan# 506

Delta R.T. -0.037 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

Instrument :

MSVOA\_Y

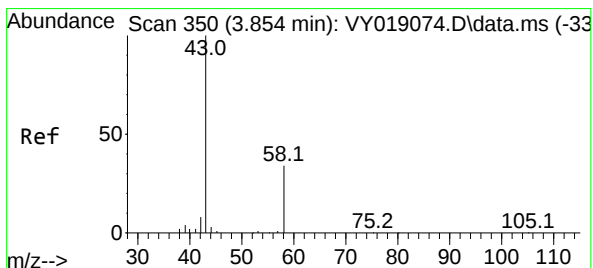
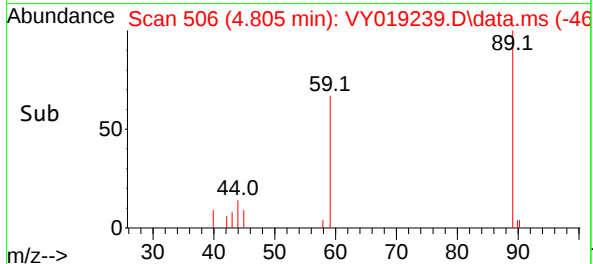
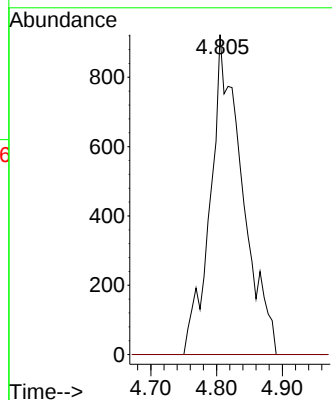
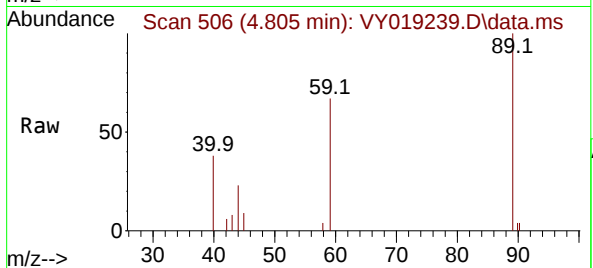
ClientSampleId :

Tgt Ion: 59 Resp: 3113

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 1.955 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019239.D

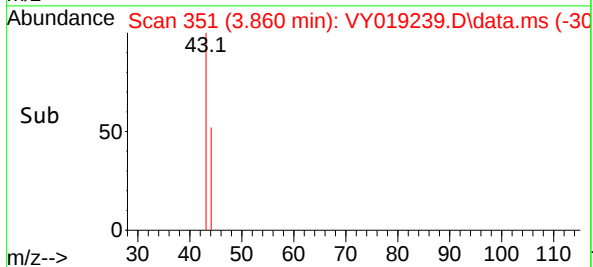
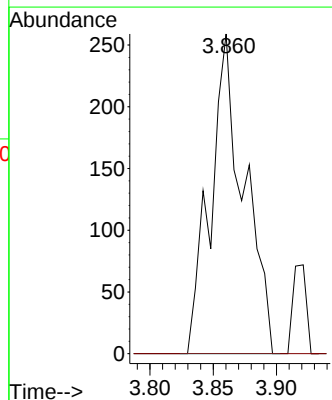
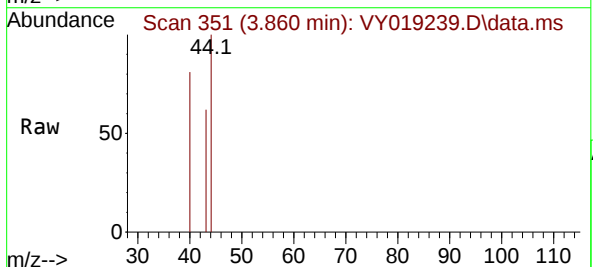
Acq: 23 Aug 2024 00:17

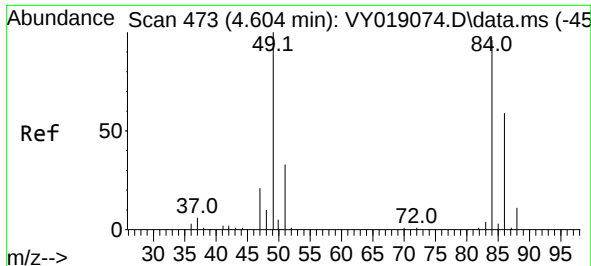
Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

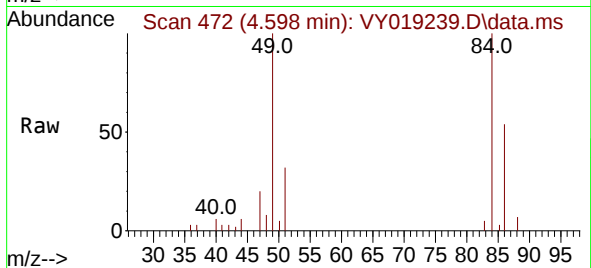
58 0.0 31.7 47.5#



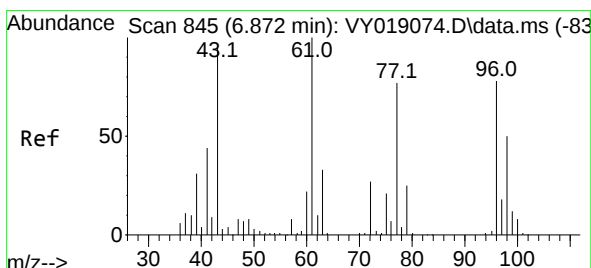
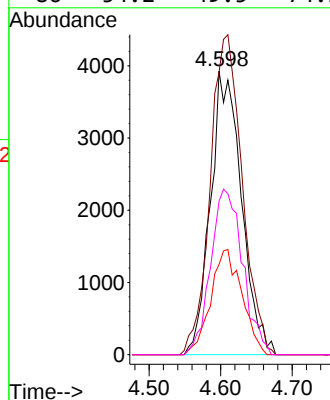
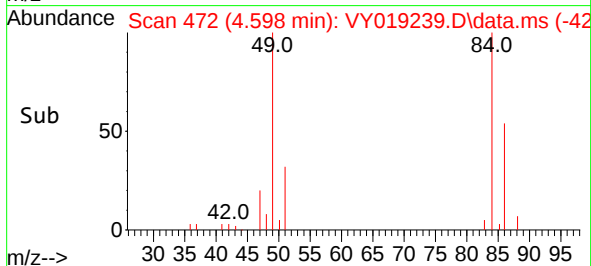


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.598 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

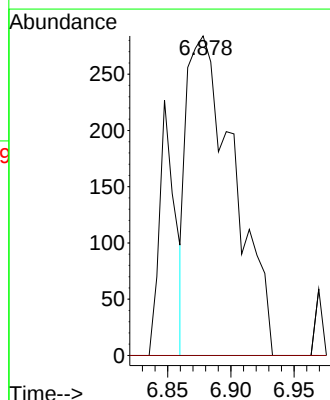
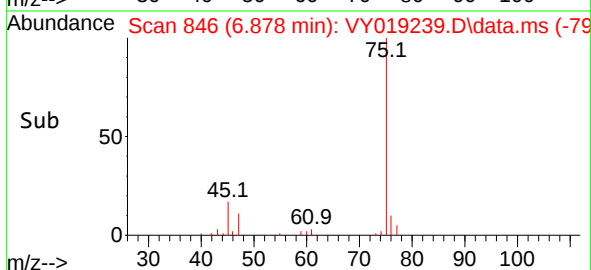
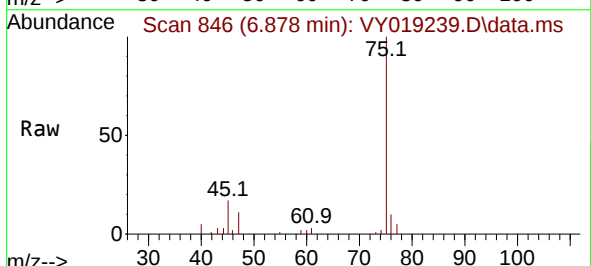


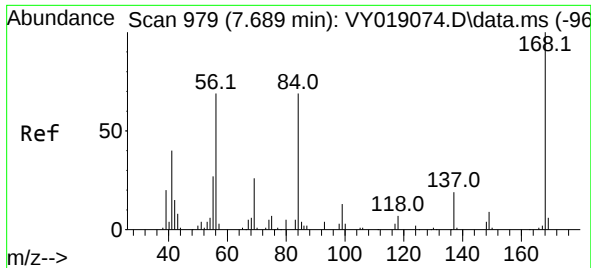
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 11823 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 99.6  | 84.4  | 126.6 |
| 51       | 31.8  | 26.0  | 39.0  |
| 86       | 54.2  | 49.5  | 74.3  |



#25  
2-Butanone  
Concen: 1.867 ug/l  
RT: 6.878 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

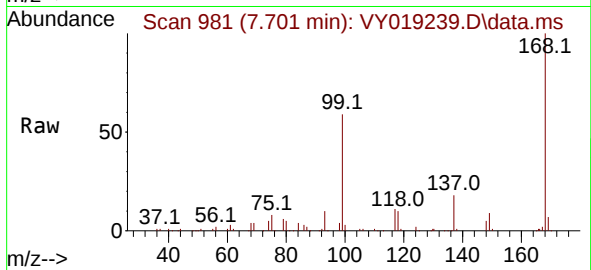
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 737   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 27.3  | 40.9# |



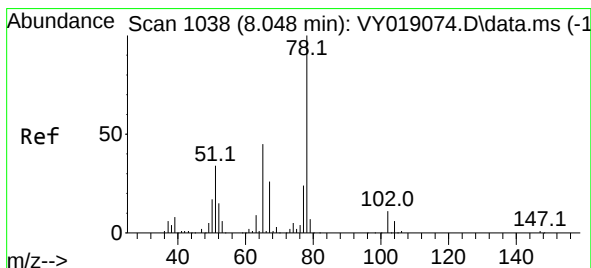
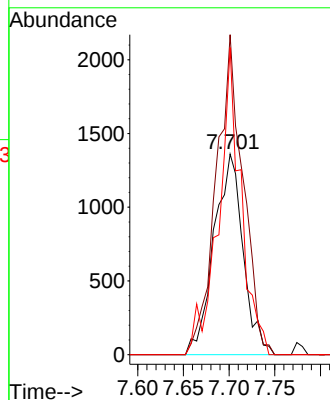
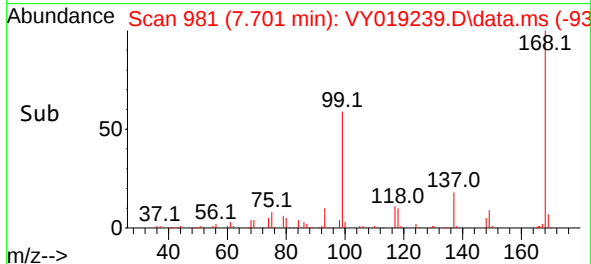


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.701 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

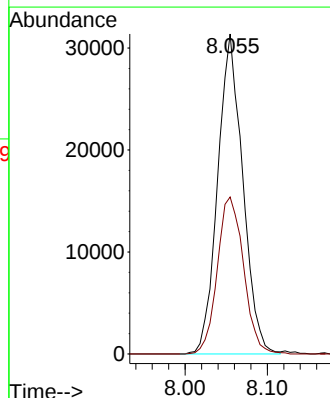
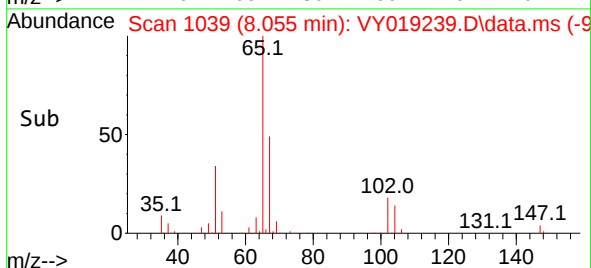
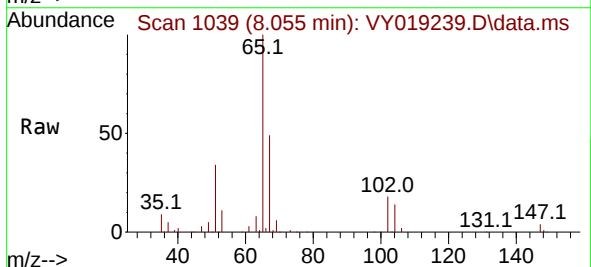


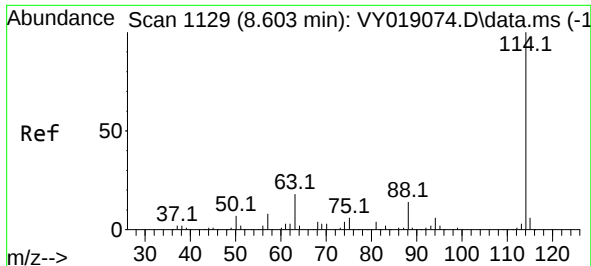
Tgt Ion: 56 Resp: 3015  
Ion Ratio Lower Upper  
56 100  
69 159.4 28.7 43.1#  
84 153.0 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 50.255 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion: 65 Resp: 66408  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

Instrument :

MSVOA\_Y

ClientSampleId :

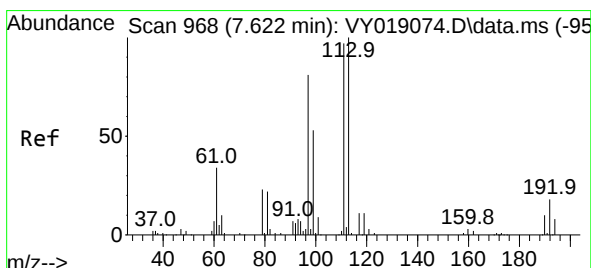
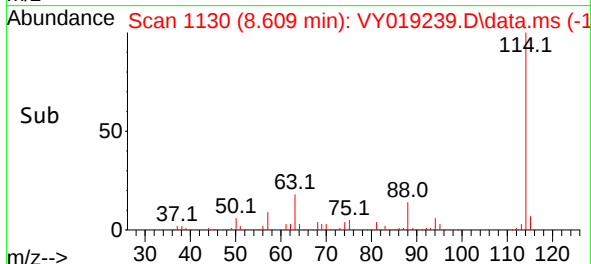
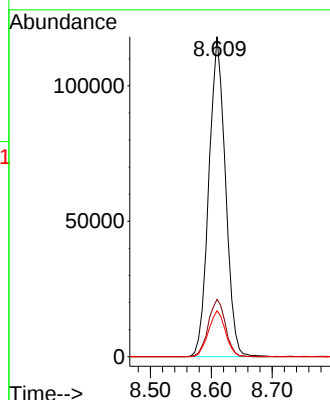
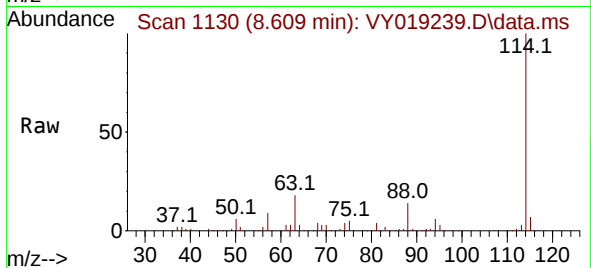
Tgt Ion:114 Resp: 223044

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.592 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

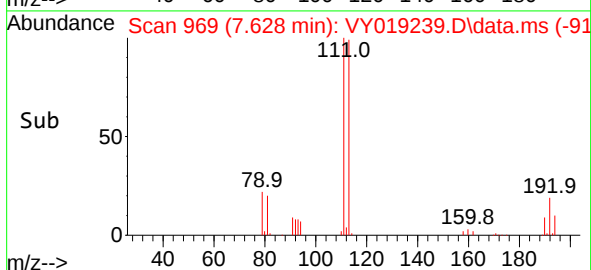
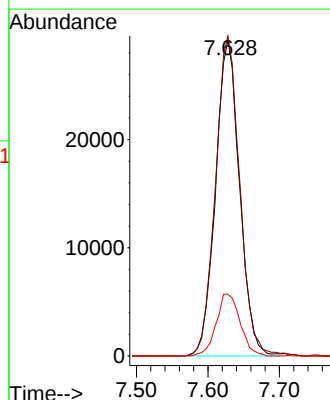
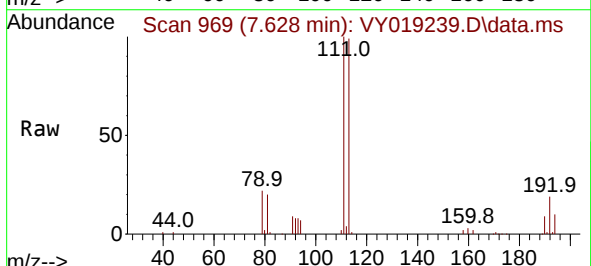
Tgt Ion:113 Resp: 67949

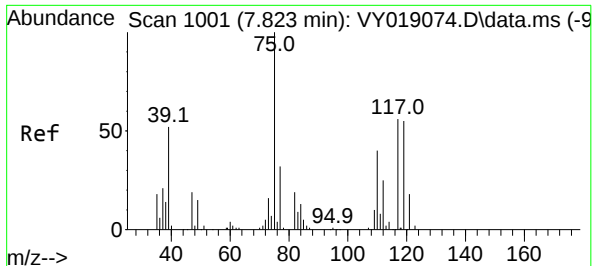
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.358 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

Instrument :

MSVOA\_Y

ClientSampleId :

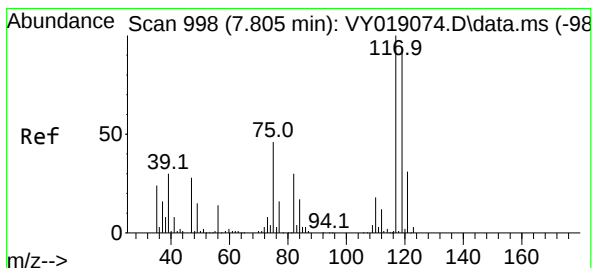
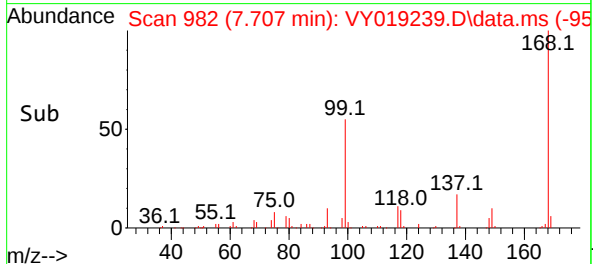
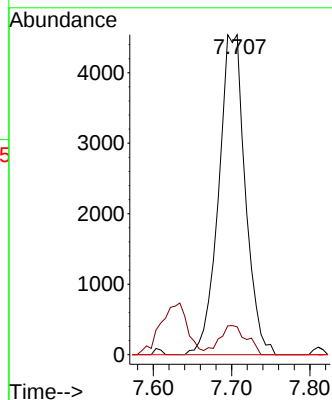
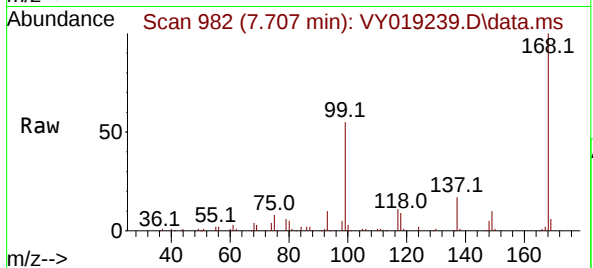
Tgt Ion: 75 Resp: 10731

Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.941 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

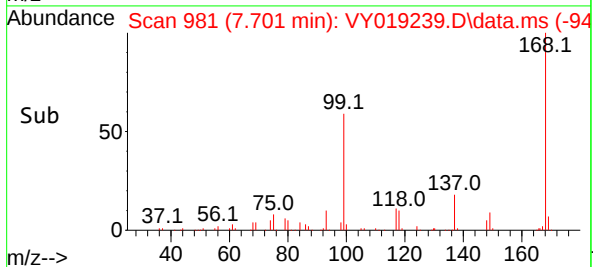
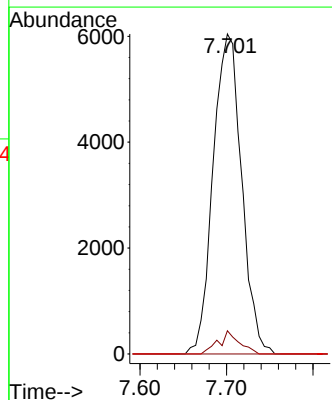
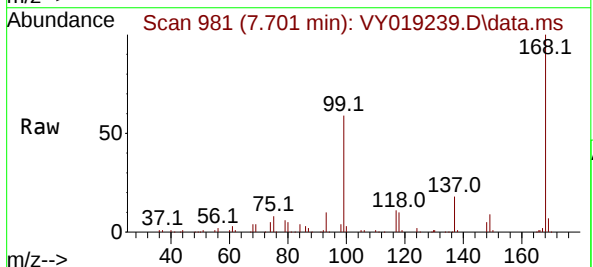
Tgt Ion: 117 Resp: 13788

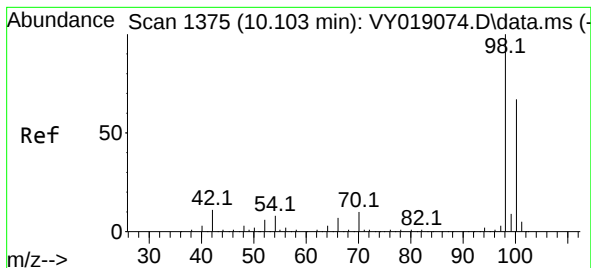
Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 36.539 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

Instrument :

MSVOA\_Y

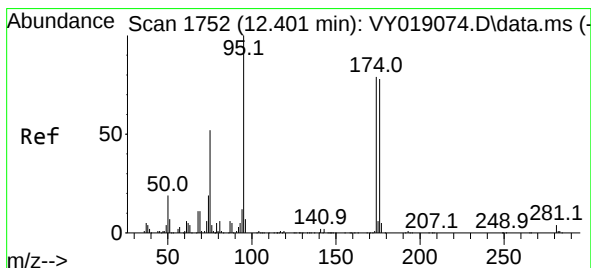
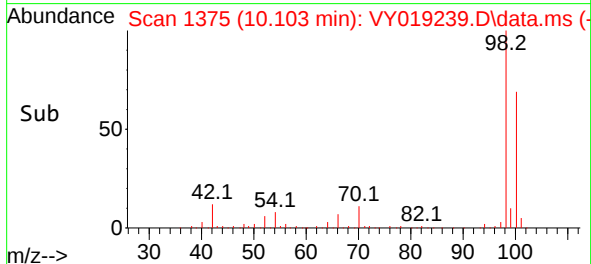
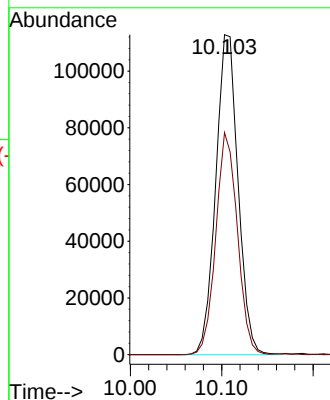
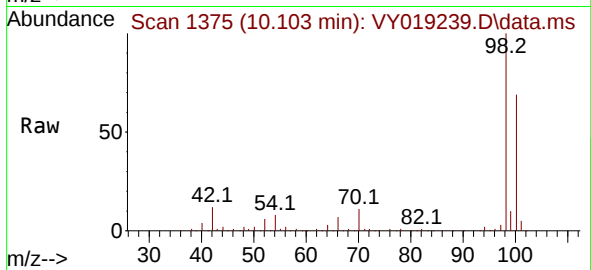
ClientSampleId :

Tgt Ion: 98 Resp: 191765

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.197 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019239.D

Acq: 23 Aug 2024 00:17

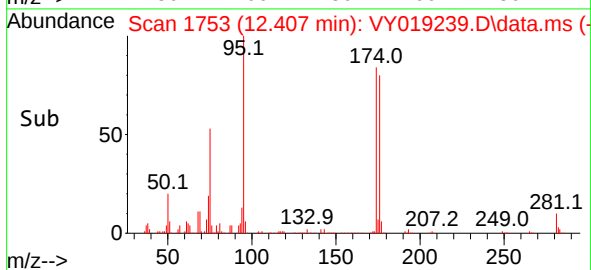
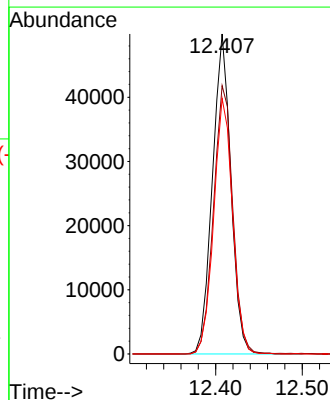
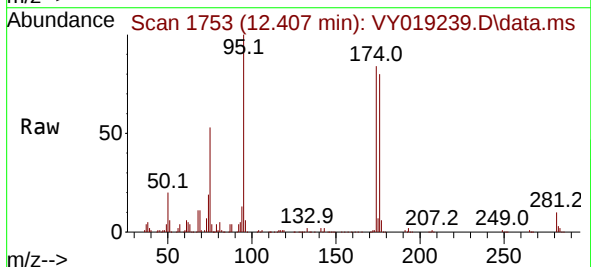
Tgt Ion: 95 Resp: 73707

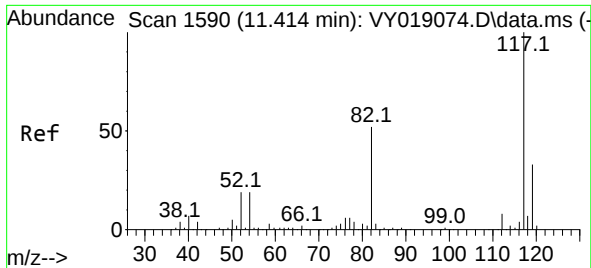
Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.6

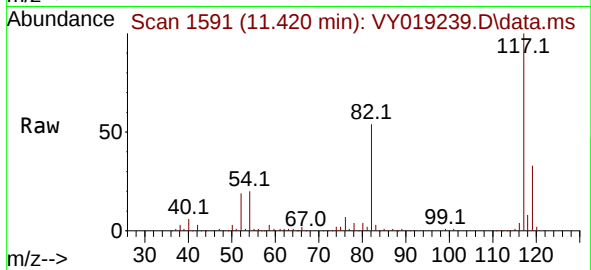
176 81.9 0.0 171.4



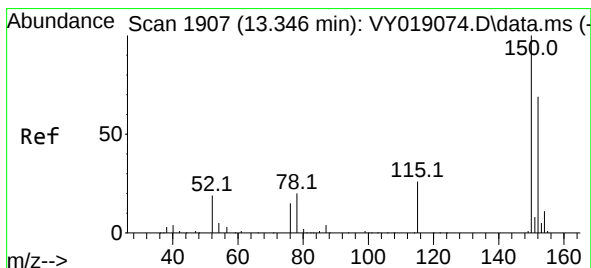
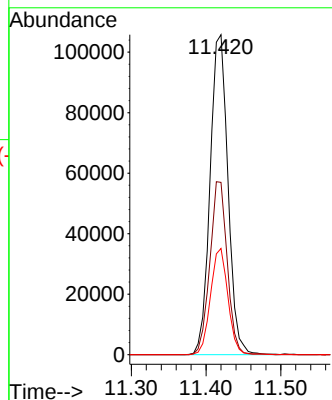
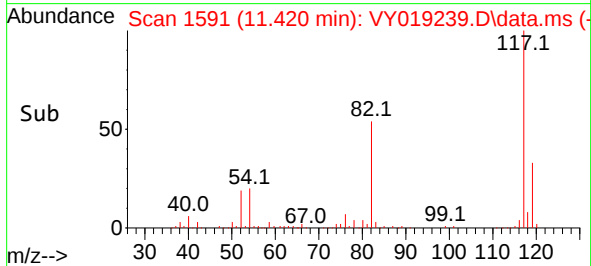


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

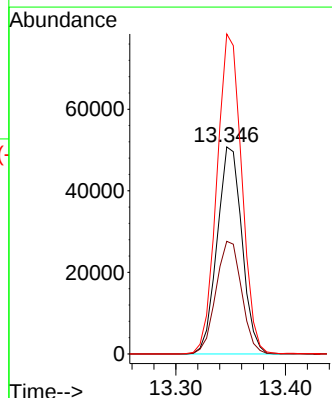
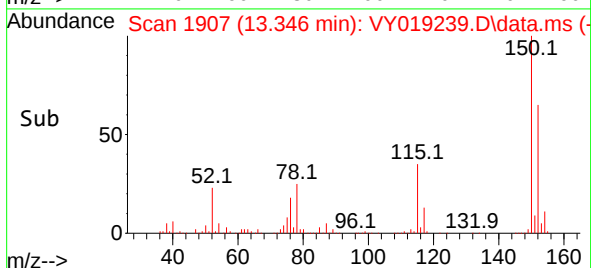
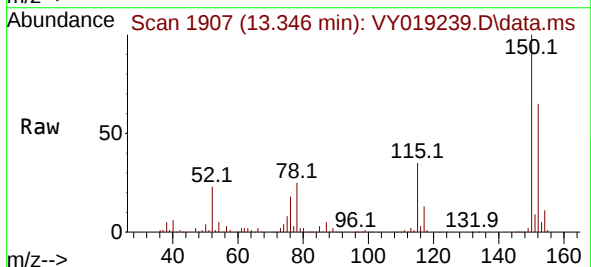


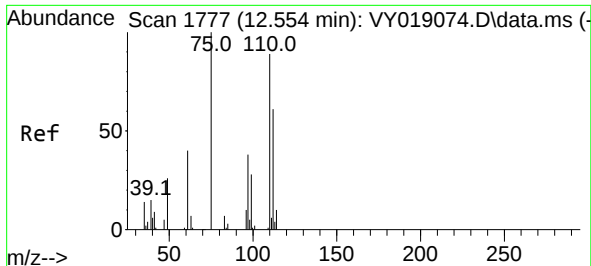
Tgt Ion:117 Resp: 175648  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.4 63.6  
119 33.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion:152 Resp: 79842  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.2 84.7  
150 154.7 0.0 345.6

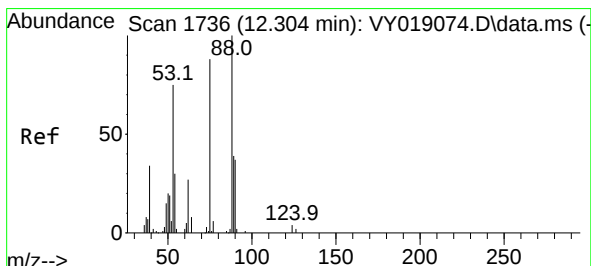
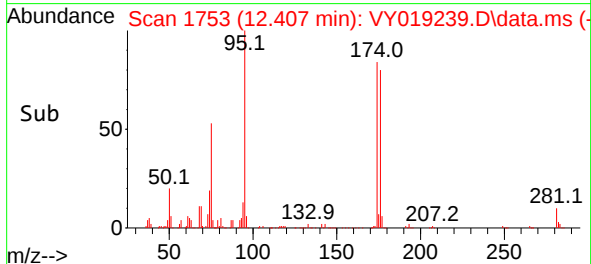
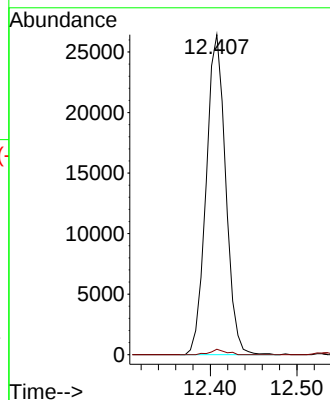
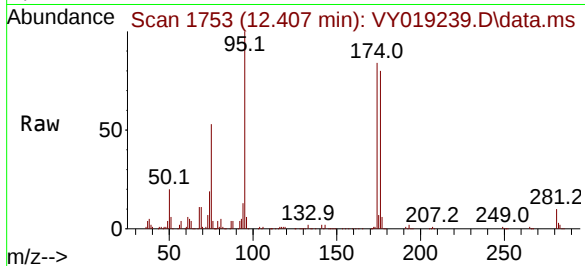




#76  
1,2,3-Trichloropropane  
Concen: 52.395 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 41255  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.398 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion: 75 Resp: 41255  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.2 35.8 53.6#

