

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041322\  
 Data File : VY008313.D  
 Acq On : 13 Apr 2022 15:27  
 Operator : KP/MD  
 Sample : N2349-15  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DEL-8

Quant Time: Apr 14 05:57:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

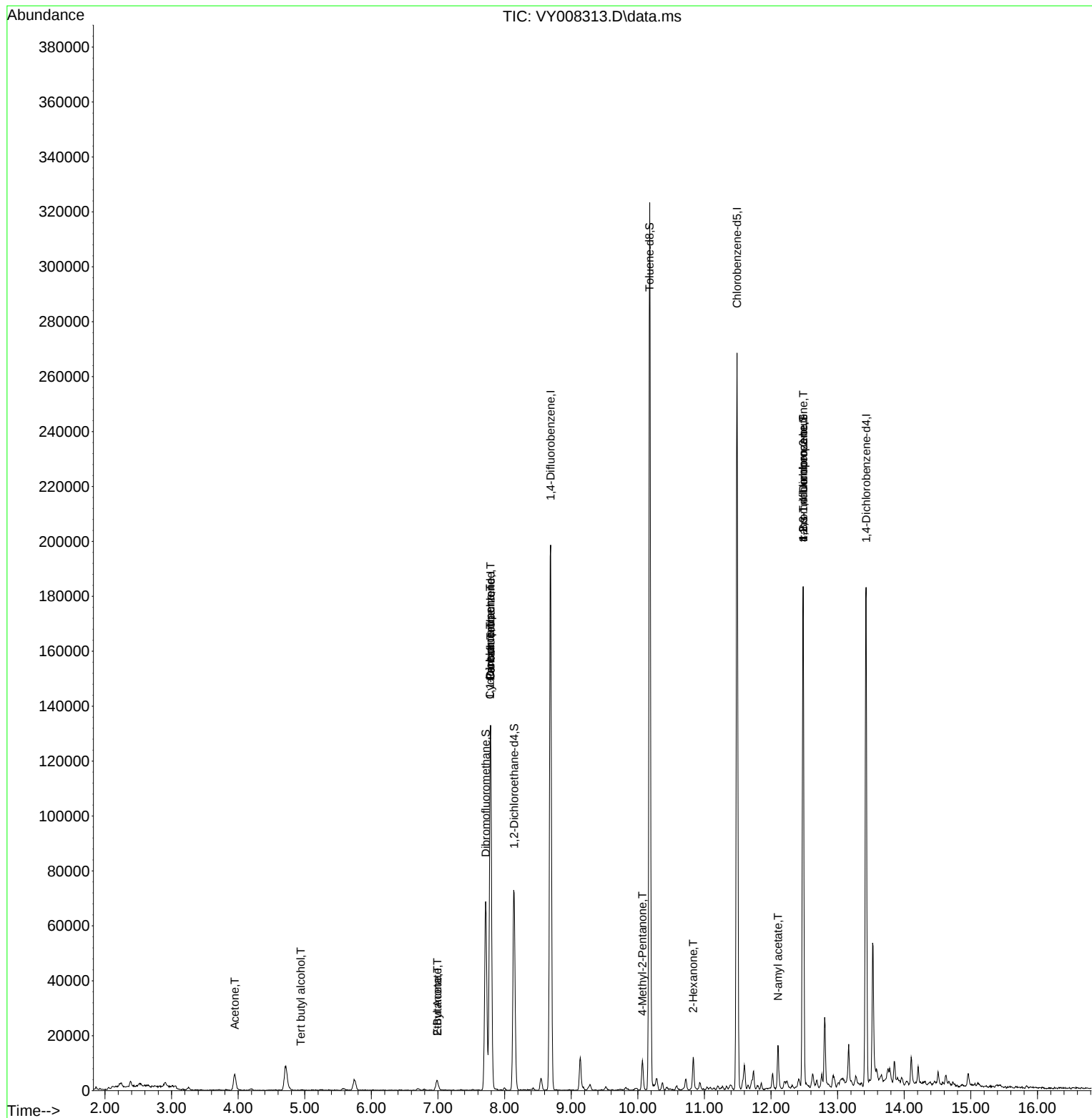
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 105164   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 179549   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 147919   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 46876    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 55118    | 55.797    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.600% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 48407    | 46.678    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 93.360%  |
| 50) Toluene-d8                | 10.179 | 98    | 210292   | 59.261    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 118.520% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 56165    | 42.081    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 84.160%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.113  | 50    | 215      | Below Cal | #      | 44       |
| 5) Bromomethane               | 2.668  | 94    | 116      | Below Cal |        | 90       |
| 11) Tert butyl alcohol        | 4.942  | 59    | 238      | 2.254     | ug/l # | 77       |
| 16) Acetone                   | 3.948  | 43    | 10114    | 42.568    | ug/l   | 99       |
| 18) Methyl Acetate            | 4.478  | 43    | 196      | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 7051     | Below Cal | #      | 78       |
| 25) 2-Butanone                | 6.990  | 43    | 6407     | 17.245    | ug/l # | 87       |
| 31) Cyclohexane               | 7.783  | 56    | 2409     | 1.349     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 7834     | 4.731     | ug/l # | 52       |
| 37) Ethyl Acetate             | 6.990  | 43    | 6407     | 7.503     | ug/l # | 72       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10123    | 5.682     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43    | 6913     | 8.448     | ug/l # | 85       |
| 59) 2-Hexanone                | 10.831 | 43    | 7152     | 12.702    | ug/l   | 86       |
| 74) N-amyl acetate            | 12.105 | 43    | 8670     | 11.458    | ug/l # | 55       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 29794    | 57.469    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 29794    | 128.585   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

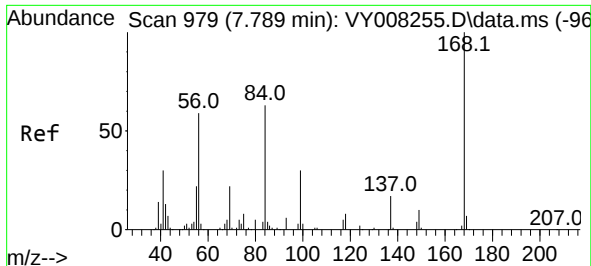
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041322\  
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Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

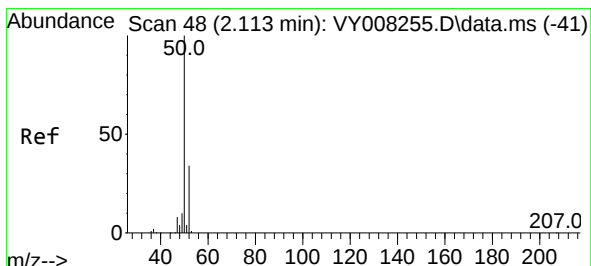
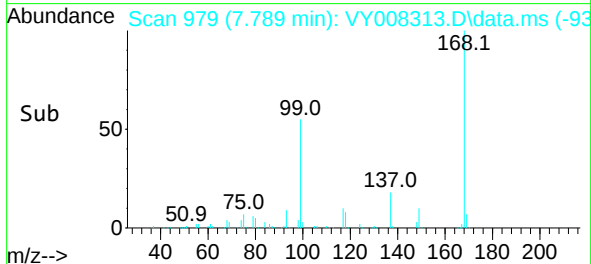
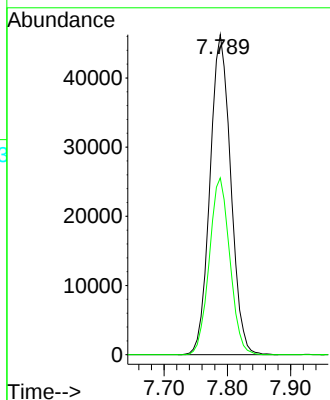
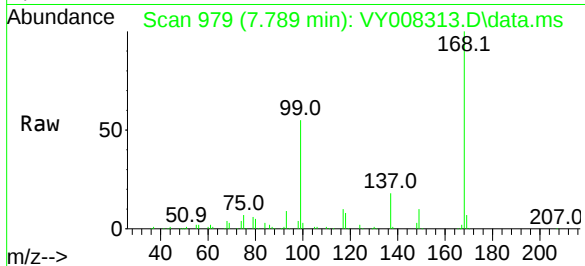




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

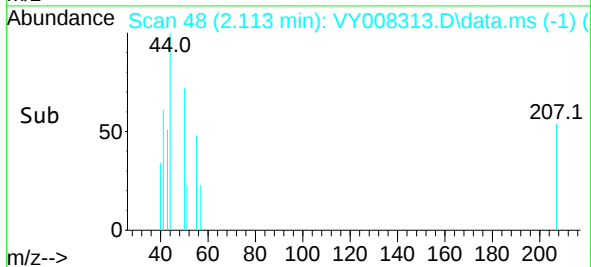
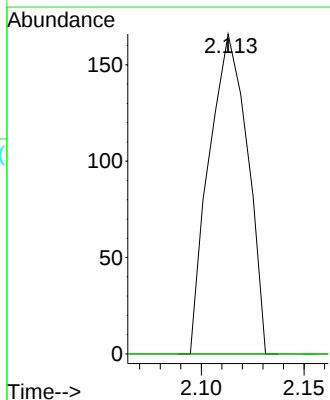
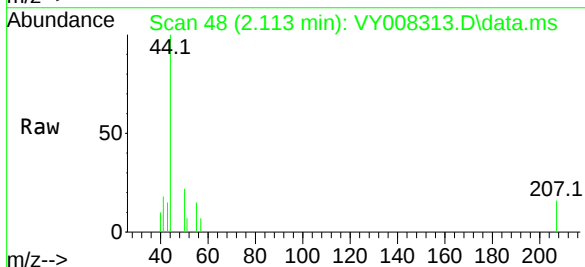
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

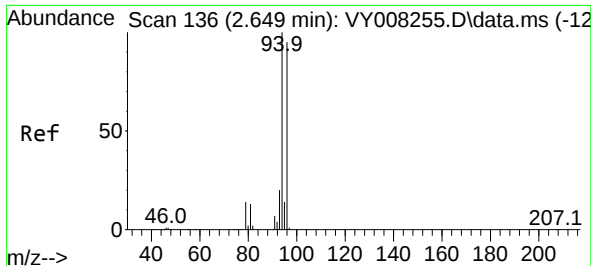
Tgt Ion:168 Resp: 105164  
Ion Ratio Lower Upper  
168 100  
99 55.2 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 50 Resp: 215  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

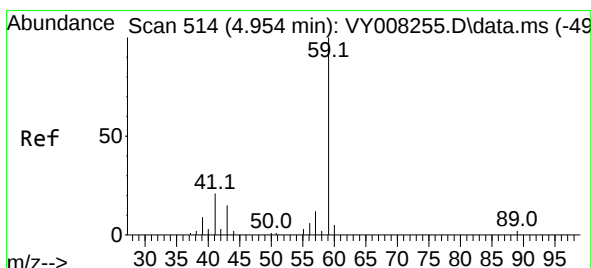
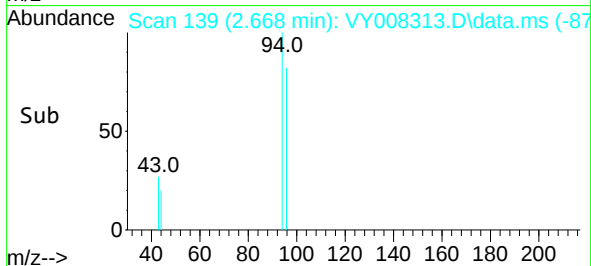
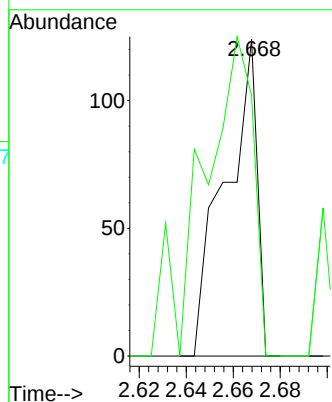
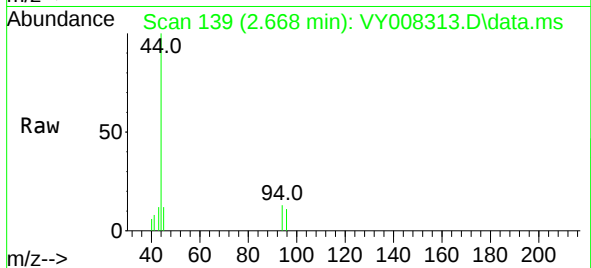




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 11  
Delta R.T. 0.019 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

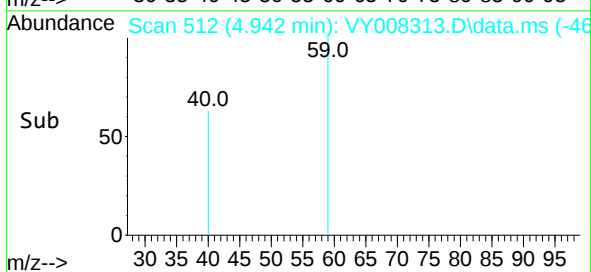
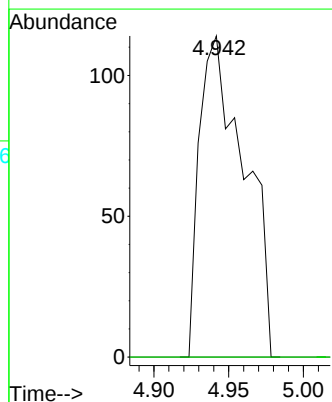
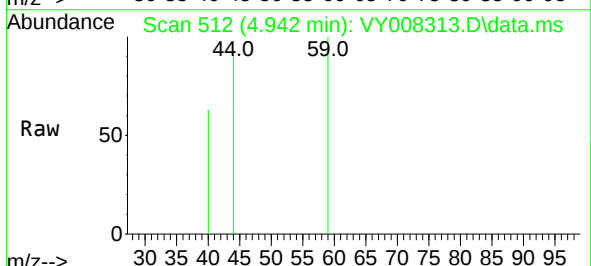
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

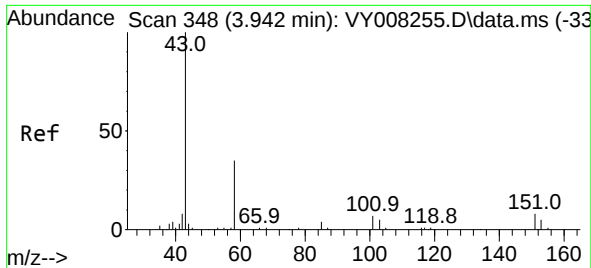
Tgt Ion: 94 Resp: 116  
Ion Ratio Lower Upper  
94 100  
96 82.3 73.5 110.3



#11  
Tert butyl alcohol  
Concen: 2.254 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.012 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 59 Resp: 238  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

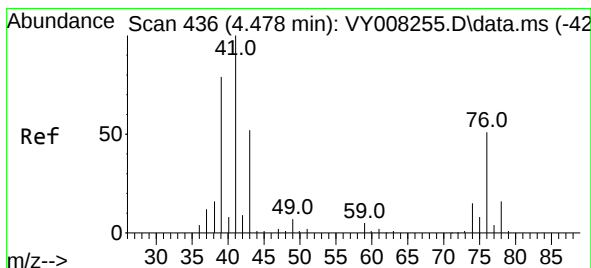
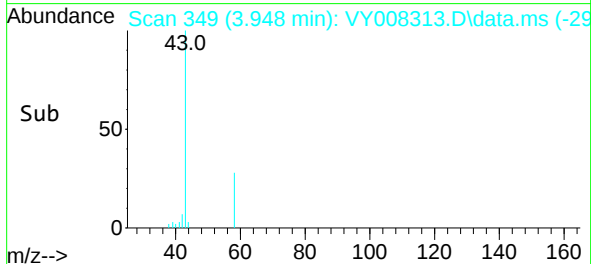
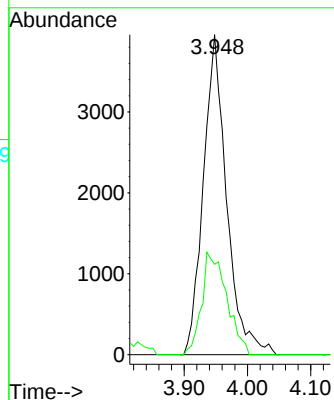
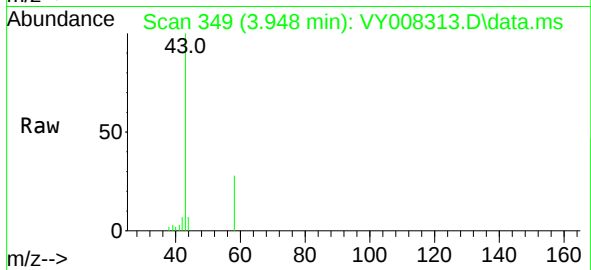




#16  
Acetone  
Concen: 42.568 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

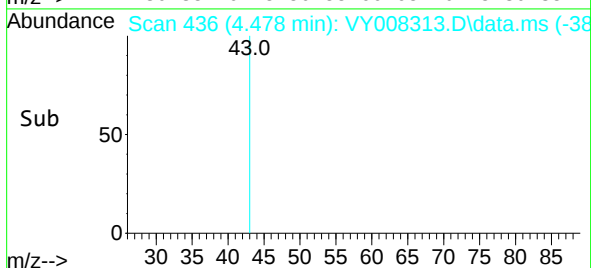
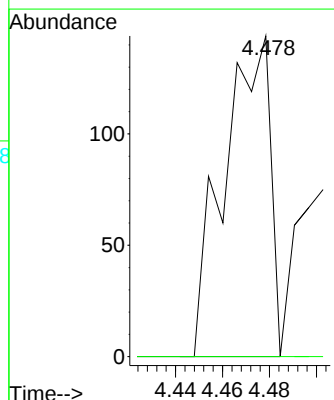
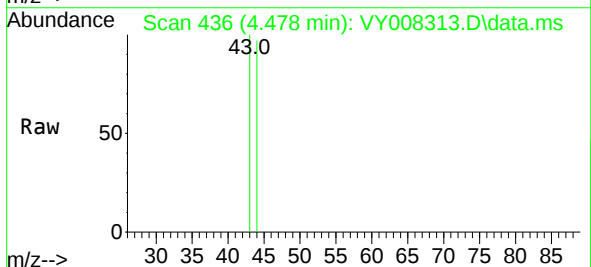
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

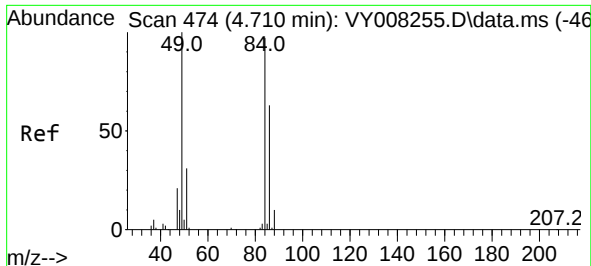
Tgt Ion: 43 Resp: 10114  
Ion Ratio Lower Upper  
43 100  
58 28.2 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.478 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 43 Resp: 196  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

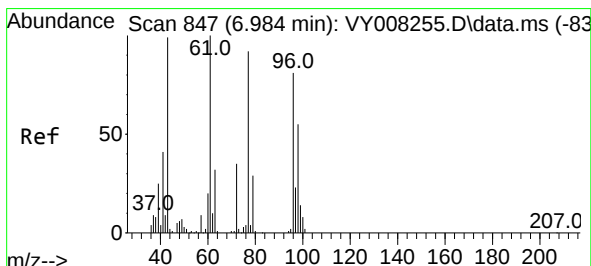
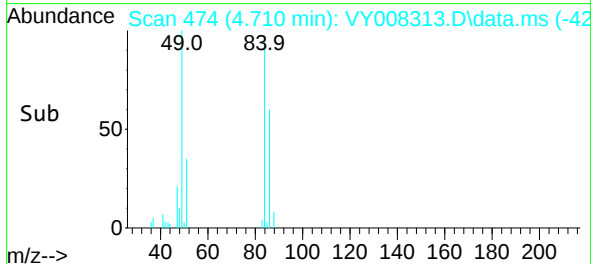
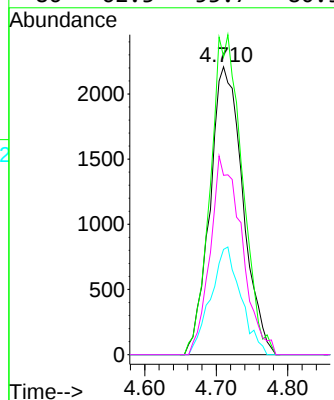
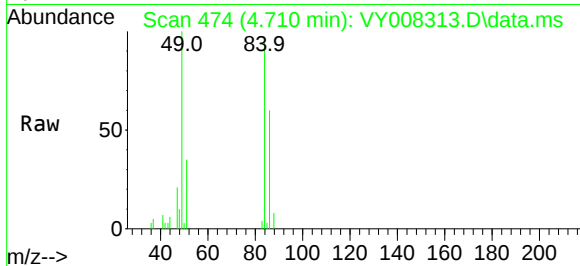




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

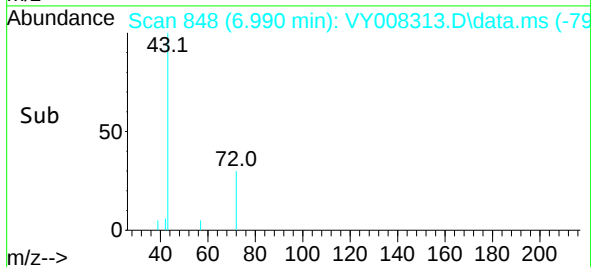
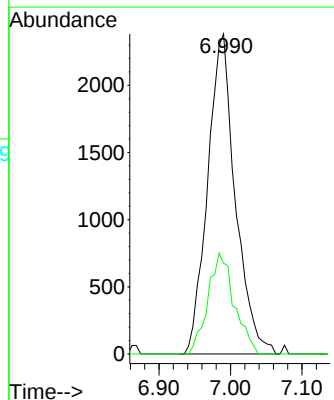
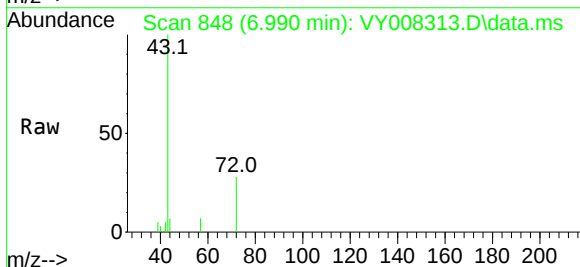
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

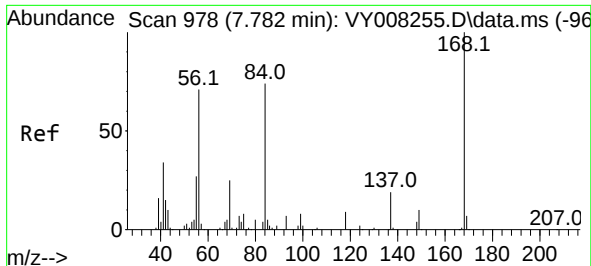
Tgt Ion: 84 Resp: 7051  
Ion Ratio Lower Upper  
84 100  
49 103.5 114.4 171.6#  
51 36.6 35.3 52.9  
86 62.3 53.7 80.5



#25  
2-Butanone  
Concen: 17.245 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 43 Resp: 6407  
Ion Ratio Lower Upper  
43 100  
72 28.4 17.7 26.5#

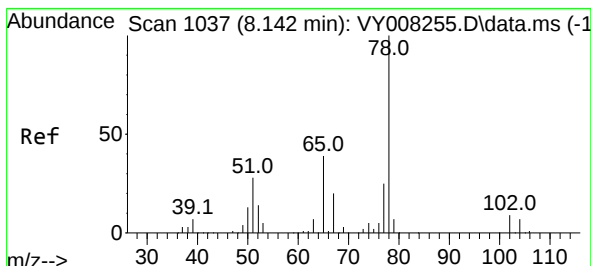
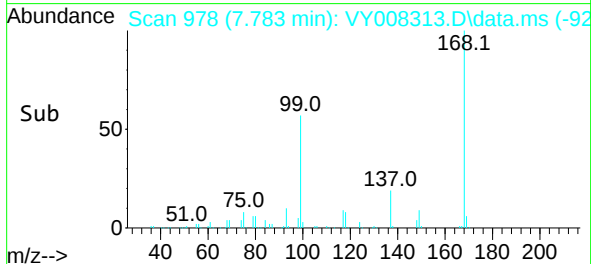
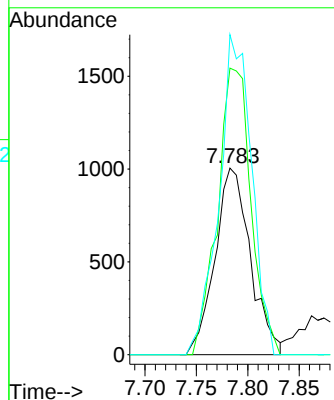
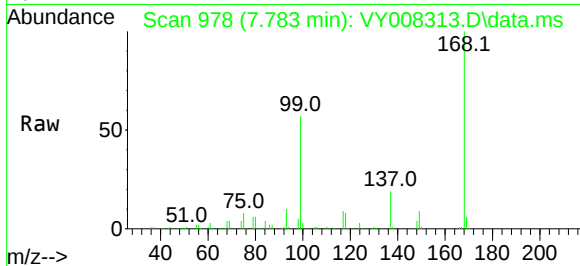




#31  
Cyclohexane  
Concen: 1.349 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

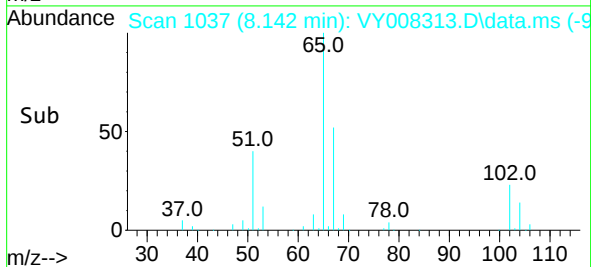
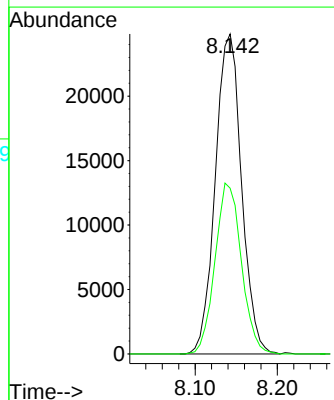
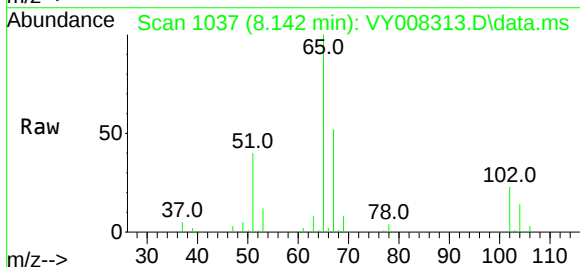
Instrument :  
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ClientSampleId :  
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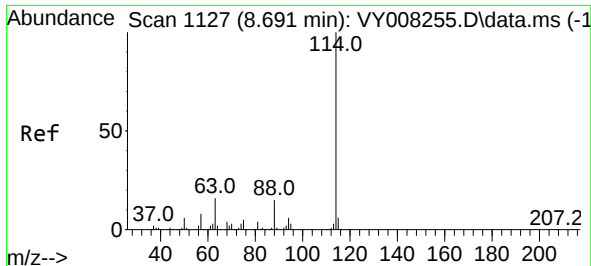
Tgt Ion: 56 Resp: 2409  
Ion Ratio Lower Upper  
56 100  
69 153.6 26.7 40.1#  
84 171.5 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 55.797 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 65 Resp: 55118  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008313.D

Acq: 13 Apr 2022 15:27

Instrument :

MSVOA\_Y

ClientSampleId :

DEL-8

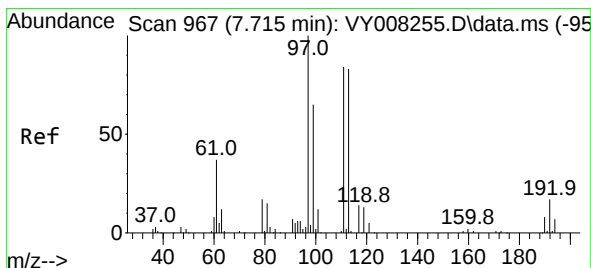
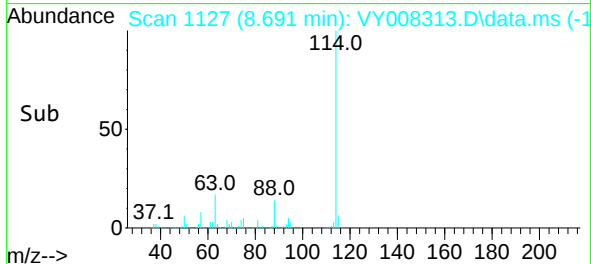
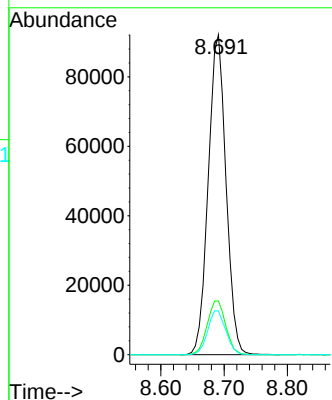
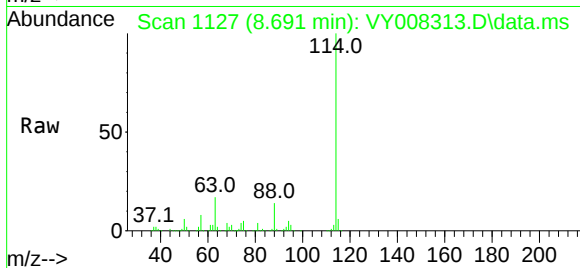
Tgt Ion:114 Resp: 179549

Ion Ratio Lower Upper

114 100

63 16.8 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.678 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008313.D

Acq: 13 Apr 2022 15:27

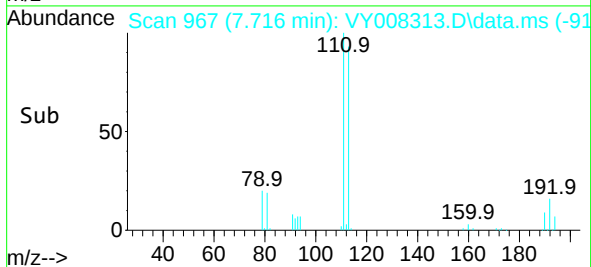
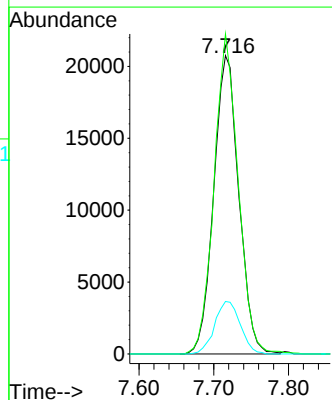
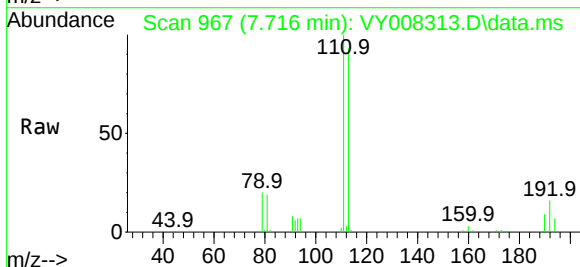
Tgt Ion:113 Resp: 48407

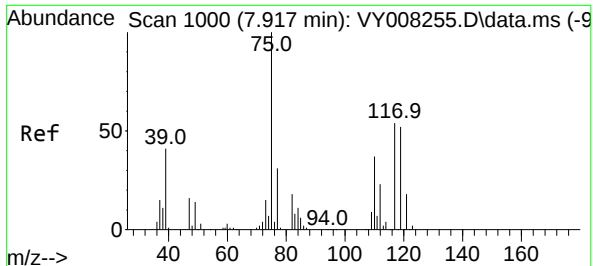
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.0 17.6 26.4

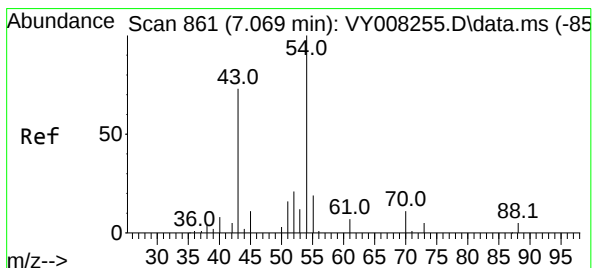
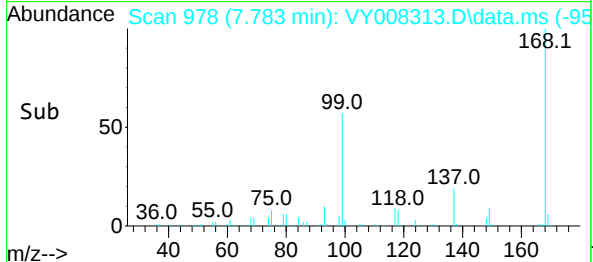
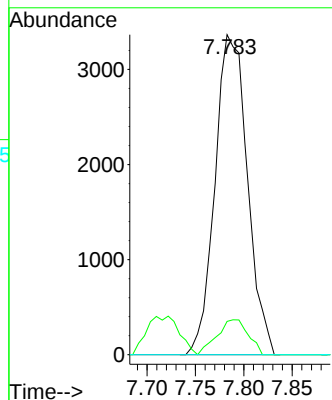
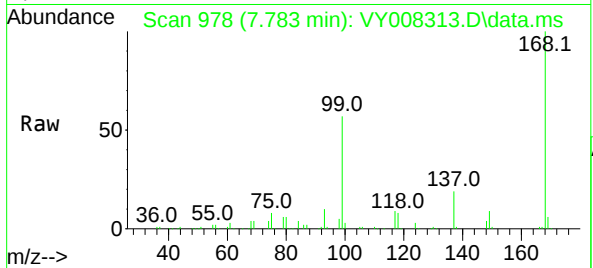




#36  
1,1-Dichloropropene  
Concen: 4.731 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

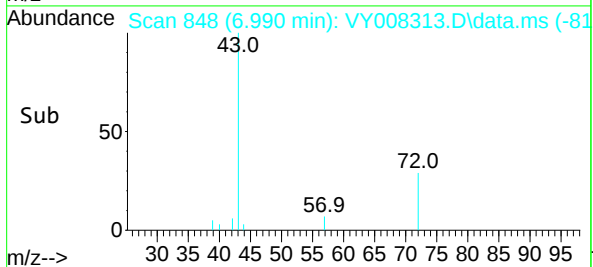
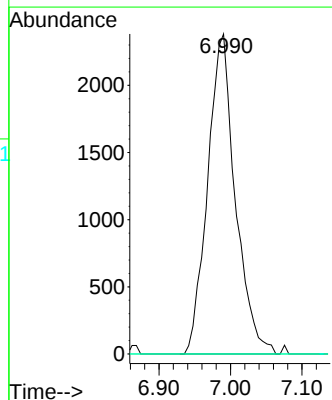
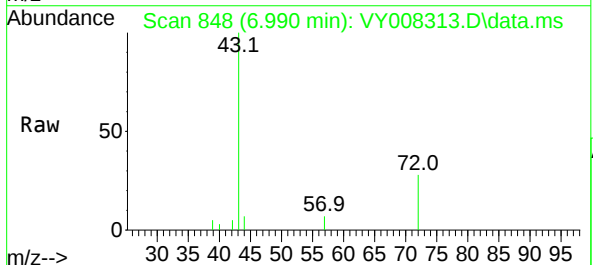
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

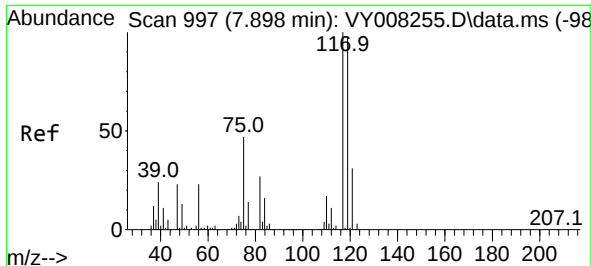
Tgt Ion: 75 Resp: 7834  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.1 51.2#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 7.503 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.079 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

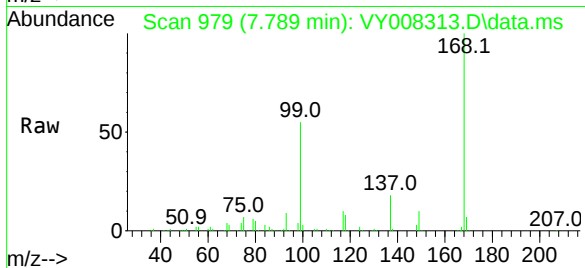
Tgt Ion: 43 Resp: 6407  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.7 14.5#  
70 0.0 7.1 10.7#



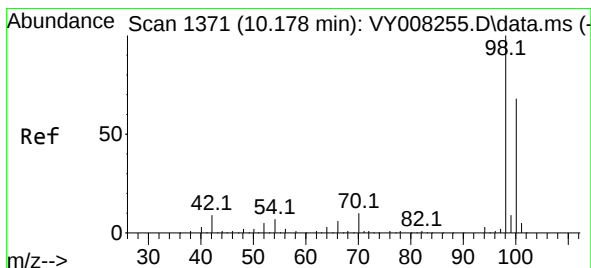
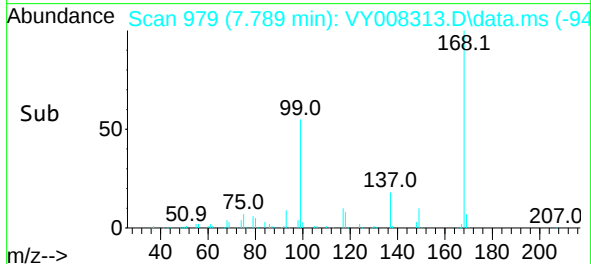
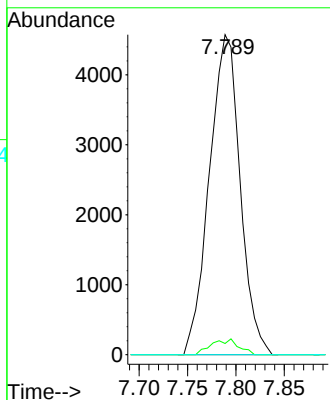


#38  
Carbon Tetrachloride  
Concen: 5.682 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

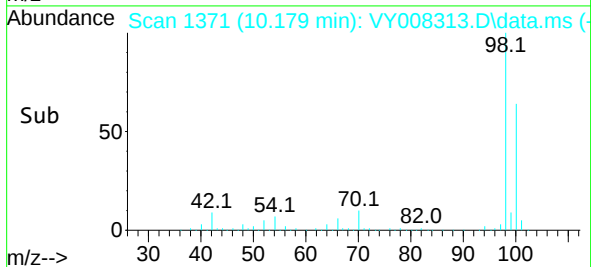
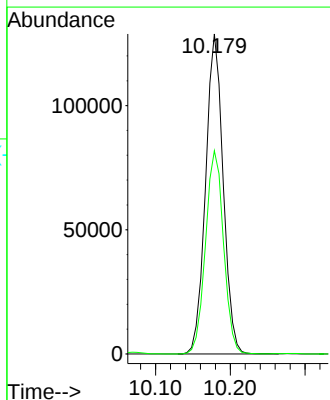
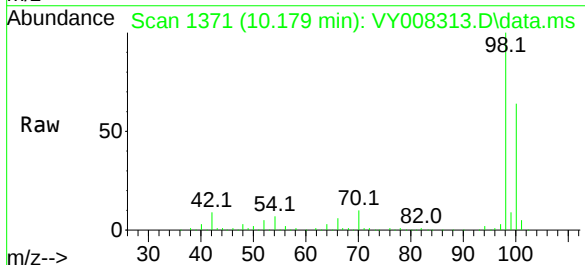


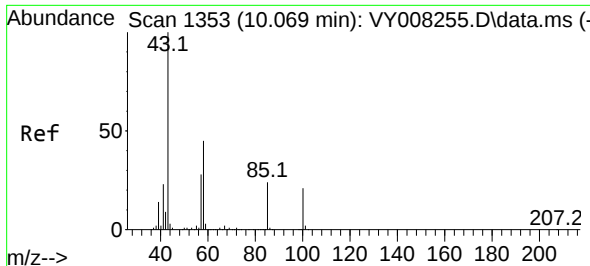
Tgt Ion:117 Resp: 10123  
Ion Ratio Lower Upper  
117 100  
119 3.5 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 59.261 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 98 Resp: 210292  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2

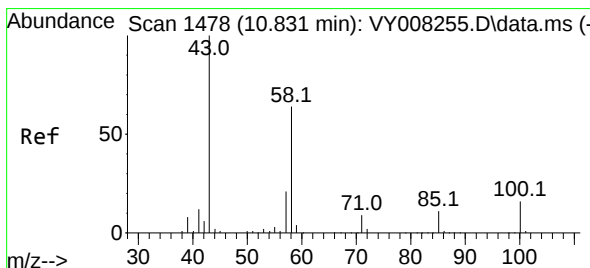
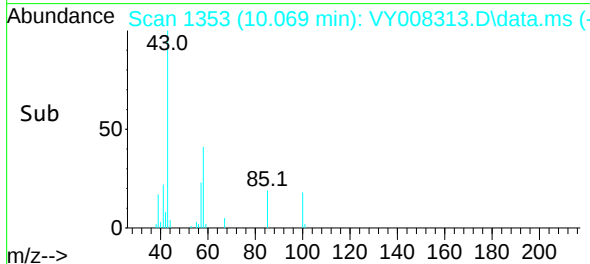
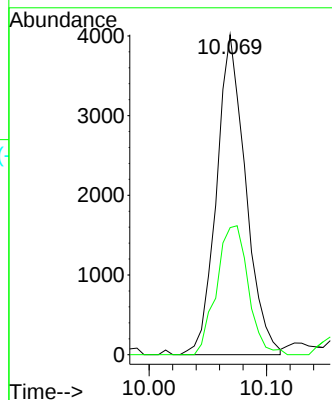
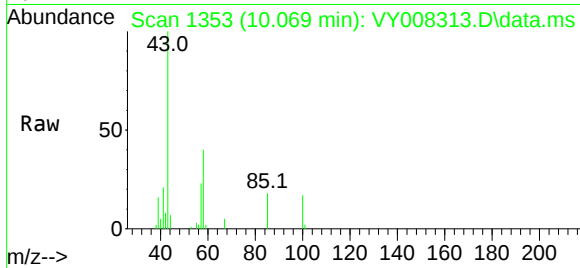




#51  
4-Methyl-2-Pentanone  
Concen: 8.448 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

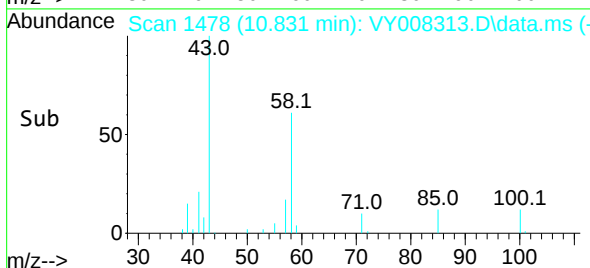
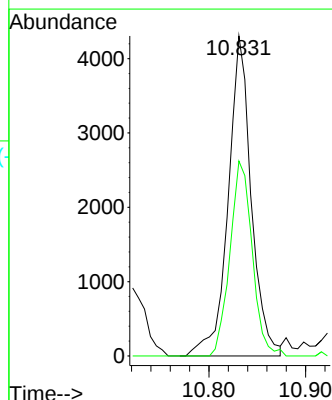
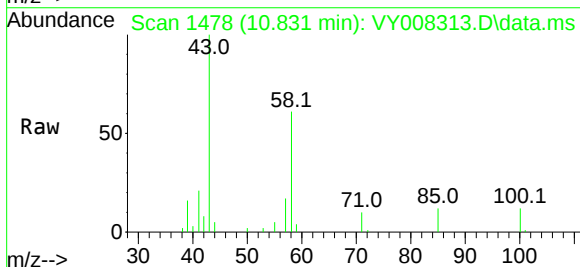
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

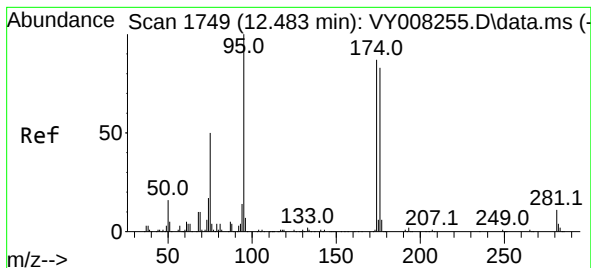
Tgt Ion: 43 Resp: 6913  
Ion Ratio Lower Upper  
43 100  
58 43.8 28.1 42.1#



#59  
2-Hexanone  
Concen: 12.702 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 43 Resp: 7152  
Ion Ratio Lower Upper  
43 100  
58 58.7 24.4 73.4

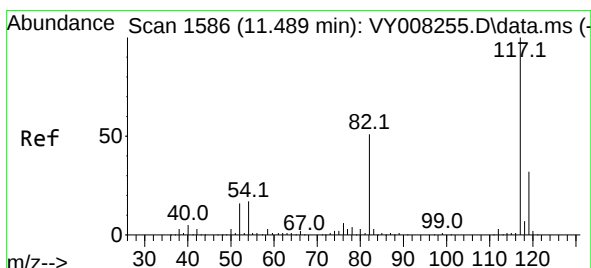
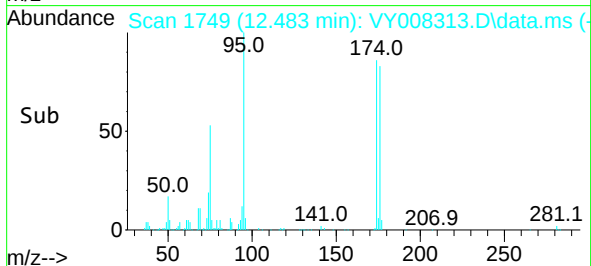
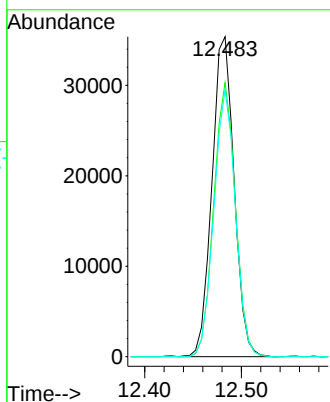
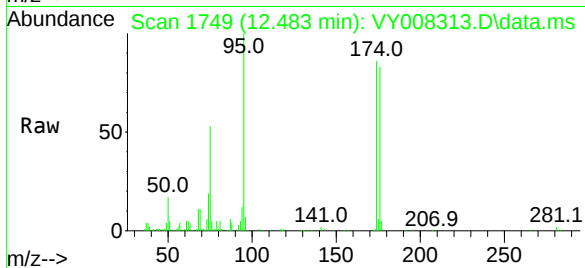




#62  
4-Bromofluorobenzene  
Concen: 42.081 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

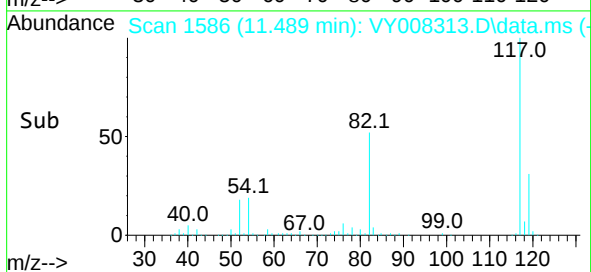
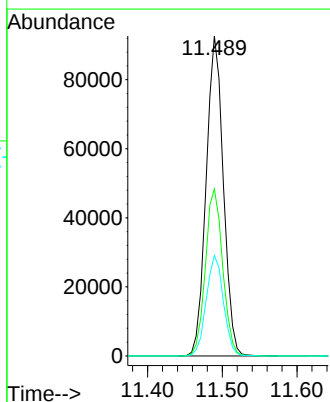
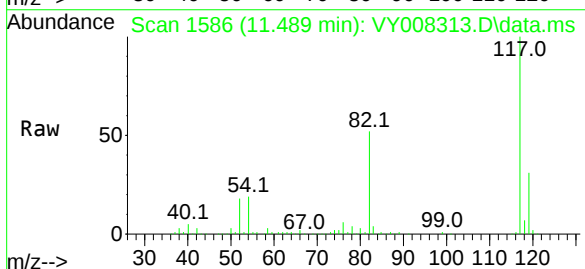
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

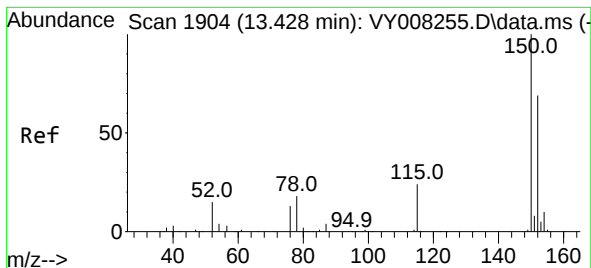
Tgt Ion: 95 Resp: 56165  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 177.0  
176 81.1 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 117 Resp: 147919  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.0 64.4  
119 31.4 25.4 38.0

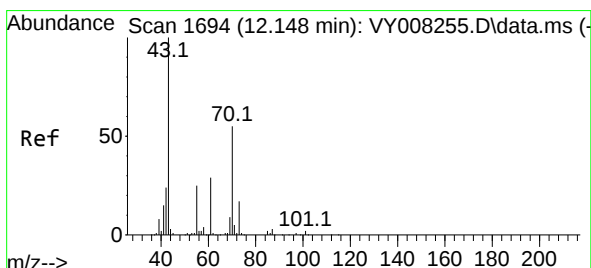
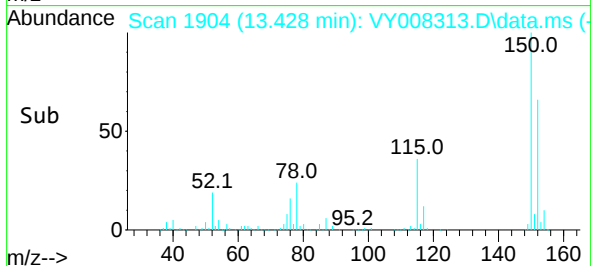
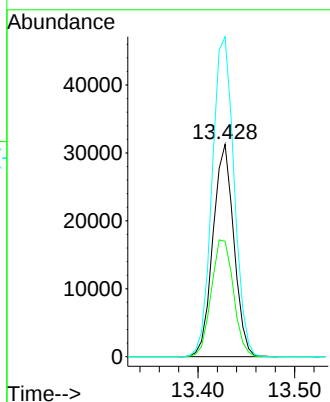
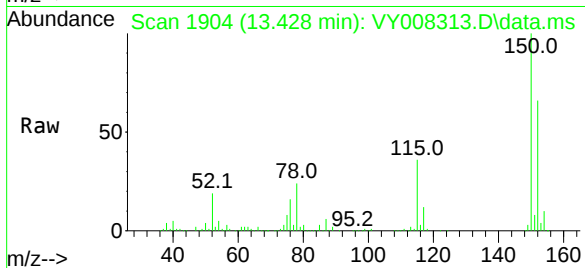




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

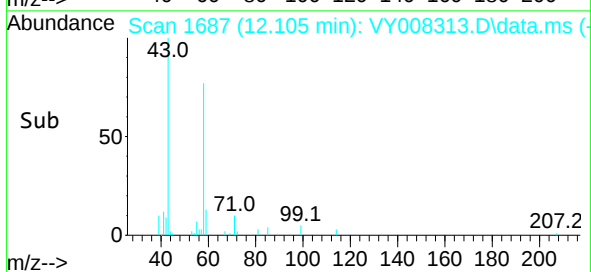
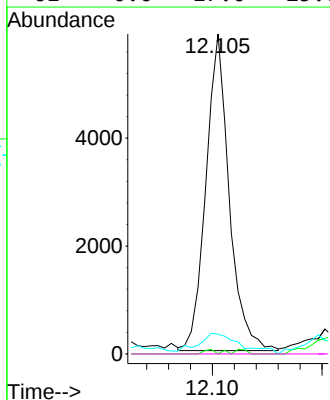
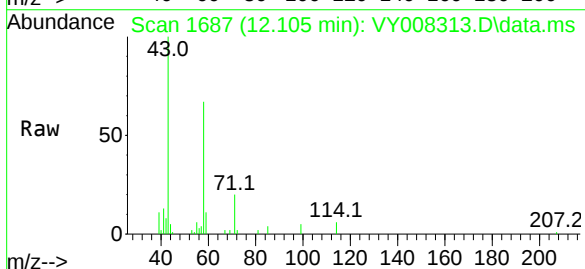
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

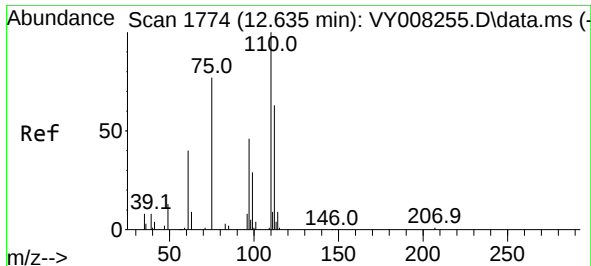
Tgt Ion:152 Resp: 46876  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.2 84.7  
150 157.9 0.0 347.6



#74  
N-ethyl acetate  
Concen: 11.458 ug/l  
RT: 12.105 min Scan# 1687  
Delta R.T. -0.043 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 43 Resp: 8670  
Ion Ratio Lower Upper  
43 100  
70 0.6 28.7 43.1#  
55 11.7 17.3 25.9#  
61 0.0 17.0 25.6#

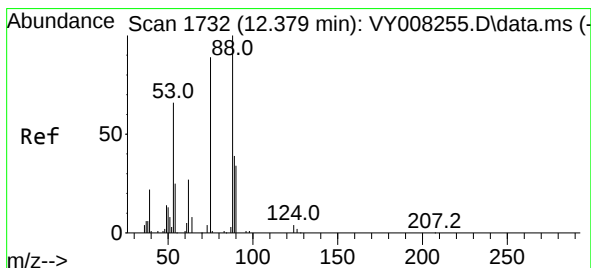
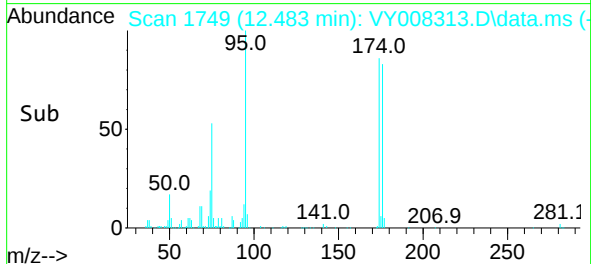
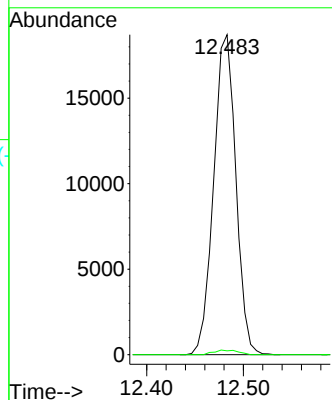
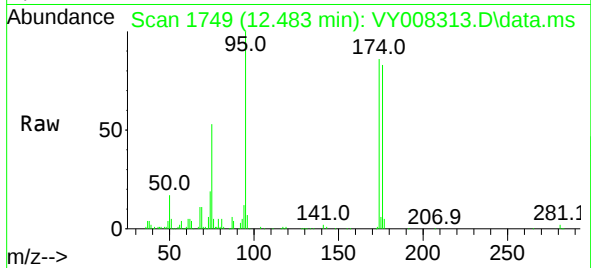




#76  
1,2,3-Trichloropropane  
Concen: 57.469 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DEL-8

Tgt Ion: 75 Resp: 29794  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.585 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008313.D  
Acq: 13 Apr 2022 15:27

Tgt Ion: 75 Resp: 29794  
Ion Ratio Lower Upper  
75 100  
53 0.2 85.3 127.9#  
89 0.0 37.0 55.4#

