

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060221\  
 Data File : VU044025.D  
 Acq On : 02 Jun 2021 13:55  
 Operator : SY/MD  
 Sample : VSTDIC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Manual Integrations  
 APPROVED

SAM  
 6/3/2021 5:46:49 PM

Quant Time: Jun 03 05:54:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060221DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 03 05:52:43 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.124  | 96   | 17478    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 5053     | 0.677 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 68.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.201 | 152  | 5744     | 0.730 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 73.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.391  | 85   | 4025     | 0.580 | ug/l    | 98       |
| 3) Chloromethane             | 1.526  | 50   | 4533     | 0.676 | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.610  | 62   | 4118     | 0.639 | ug/l    | 99       |
| 5) Bromomethane              | 1.864  | 94   | 2890     | 0.709 | ug/l    | 99       |
| 6) Chloroethane              | 1.941  | 64   | 2877     | 0.679 | ug/l    | 97       |
| 7) Trichlorofluoromethane    | 2.147  | 101  | 4593     | 0.448 | ug/l    | 95       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101  | 2615     | 0.497 | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.591  | 96   | 2443     | 0.530 | ug/l    | 95       |
| 11) Allyl Chloride           | 2.935  | 41   | 3988     | 0.463 | ug/l    | 91       |
| 12) Acrylonitrile            | 3.330  | 53   | 906      | 0.713 | ug/l    | # 91     |
| 13) Acetone                  | 2.639  | 43   | 1669     | 1.726 | ug/l    | 92       |
| 14) Carbon Disulfide         | 2.803  | 76   | 8740     | 0.595 | ug/l    | 96       |
| 15) Methylene Chloride       | 3.057  | 84   | 6256     | 1.115 | ug/l    | 96       |
| 16) trans-1,2-Dichloroethene | 3.362  | 96   | 2820     | 0.565 | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.883  | 63   | 5212     | 0.513 | ug/l    | # 94     |
| 18) 2-Butanone               | 4.739  | 43   | 3225     | 1.798 | ug/l    | 76       |
| 19) Cyclohexane              | 5.391  | 56   | 5062m    | 0.572 | ug/l    |          |
| 20) Methylcyclohexane        | 6.767  | 83   | 3368     | 0.440 | ug/l    | 93       |
| 21) 2,2-Dichloropropane      | 4.674  | 77   | 4307     | 0.472 | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.677  | 96   | 2831     | 0.504 | ug/l    | 94       |
| 23) Diethyl Ether            | 2.388  | 59   | 1983     | 0.511 | ug/l    | 96       |
| 25) Methyl tert-Butyl Ether  | 3.385  | 73   | 5892     | 0.438 | ug/l    | 94       |
| 26) Bromochloromethane       | 4.983  | 128  | 1118     | 0.427 | ug/l    | 94       |
| 27) Chloroform               | 5.099  | 83   | 5080     | 0.484 | ug/l    | 97       |
| 28) 1,1,1-Trichloroethane    | 5.327  | 97   | 4271     | 0.454 | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.529  | 75   | 4068     | 0.586 | ug/l    | 95       |
| 30) Carbon Tetrachloride     | 5.529  | 117  | 3705     | 0.500 | ug/l    | 95       |
| 31) Isopropyl Ether          | 4.021  | 45   | 8070     | 0.451 | ug/l    | 97       |
| 32) Ethyl-t-butyl ether      | 4.526  | 59   | 7289     | 0.457 | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.964  | 73   | 5171     | 0.441 | ug/l    | 94       |
| 34) Propionitrile            | 4.812  | 54   | 592      | 1.481 | ug/l    | # 56     |
| 35) Benzene                  | 5.780  | 78   | 11270    | 0.575 | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.809  | 62   | 3375     | 0.465 | ug/l    | # 87     |
| 37) Trichloroethene          | 6.552  | 130  | 2601     | 0.509 | ug/l    | 94       |
| 38) 1,2-Dichloropropane      | 6.803  | 63   | 2852     | 0.513 | ug/l    | 99       |
| 39) Methacrylonitrile        | 4.996  | 41   | 920      | 0.365 | ug/l    | # 79     |
| 40) Methyl acrylate          | 4.870  | 55   | 1419     | 0.421 | ug/l    | # 74     |
| 41) Tetrahydrofuran          | 5.089  | 42   | 1011     | 0.793 | ug/l    | # 64     |
| 42) 1-Chlorobutane           | 5.465  | 56   | 5916     | 0.579 | ug/l    | 99       |
| 43) Dibromomethane           | 6.928  | 93   | 1407     | 0.476 | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.118  | 83   | 3528     | 0.502 | ug/l    | 93       |
| 45) 4-Methyl-2-Pentanone     | 7.816  | 43   | 7529     | 1.764 | ug/l    | # 91     |
| 46) t-1,4-Dichloro-2-butene  | 10.841 | 75   | 1322m    | 0.946 | ug/l    |          |

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 Sample : VSTDIC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Manual Integrations  
 APPROVED

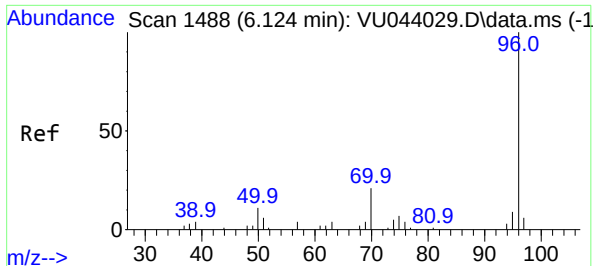
SAM  
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Quant Time: Jun 03 05:54:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060221DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 03 05:52:43 2021  
 Response via : Initial Calibration

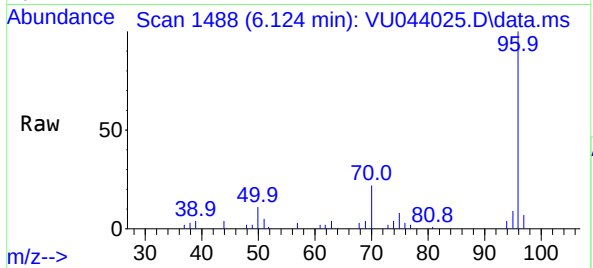
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) Methyl methacrylate       | 6.976  | 69   | 1976     | 0.756 | ug/l   | 95       |
| 48) Ethyl methacrylate        | 8.349  | 69   | 1775     | 0.347 | ug/l   | 93       |
| 49) Toluene                   | 7.976  | 92   | 5221     | 0.437 | ug/l   | 96       |
| 50) t-1,3-Dichloropropene     | 8.221  | 75   | 2912     | 0.466 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.619  | 75   | 3154     | 0.448 | ug/l   | 93       |
| 52) 1,1,2-Trichloroethane     | 8.410  | 97   | 2030     | 0.489 | ug/l   | 99       |
| 53) 1,3-Dichloropropane       | 8.587  | 76   | 3574     | 0.499 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.706  | 43   | 4890     | 1.616 | ug/l   | 90       |
| 55) Dibromochloromethane      | 8.819  | 129  | 2159     | 0.448 | ug/l   | 91       |
| 56) 1,2-Dibromoethane         | 8.934  | 107  | 1782     | 0.441 | ug/l   | 94       |
| 58) Tetrachloroethene         | 8.562  | 164  | 2244     | 0.411 | ug/l   | 88       |
| 59) Chlorobenzene             | 9.455  | 112  | 6073     | 0.457 | ug/l   | 95       |
| 60) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 2419     | 0.472 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.439 | 117  | 1995     | 0.505 | ug/l   | 97       |
| 62) Hexachloroethane          | 12.481 | 117  | 1968     | 0.486 | ug/l   | 93       |
| 63) Ethyl Benzene             | 9.578  | 91   | 8401     | 0.371 | ug/l   | 94       |
| 64) m/p-Xylenes               | 9.703  | 106  | 6267     | 0.714 | ug/l   | 99       |
| 65) o-Xylene                  | 10.108 | 106  | 2858     | 0.339 | ug/l   | 91       |
| 66) Styrene                   | 10.121 | 104  | 4934     | 0.341 | ug/l   | 100      |
| 67) Bromoform                 | 10.301 | 173  | 1227     | 0.404 | ug/l # | 90       |
| 69) Isopropylbenzene          | 10.491 | 105  | 8006     | 0.351 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 2736     | 0.506 | ug/l # | 97       |
| 71) 1,2,3-Trichloropropane    | 10.835 | 75   | 1993m    | 0.468 | ug/l   |          |
| 72) Bromobenzene              | 10.790 | 156  | 2299     | 0.368 | ug/l   | 96       |
| 73) n-propylbenzene           | 10.915 | 120  | 2126     | 0.333 | ug/l   | 91       |
| 74) 2-Chlorotoluene           | 10.992 | 126  | 2030     | 0.351 | ug/l   | 87       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 6288     | 0.309 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.108 | 126  | 2122     | 0.347 | ug/l   | 96       |
| 77) tert-Butylbenzene         | 11.430 | 119  | 7055     | 0.352 | ug/l   | 95       |
| 78) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 6619     | 0.315 | ug/l   | 97       |
| 79) sec-Butylbenzene          | 11.651 | 105  | 9303     | 0.342 | ug/l   | 97       |
| 80) Nitrobenzene              | 13.220 | 77   | 486      | 3.341 | ug/l # | 78       |
| 81) p-Isopropyltoluene        | 11.803 | 119  | 7253     | 0.318 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.754 | 146  | 5196     | 0.414 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.844 | 146  | 5081     | 0.403 | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.217 | 91   | 7615     | 0.348 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.221 | 146  | 4903     | 0.399 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.008 | 75   | 356      | 0.367 | ug/l   | 95       |
| 87) 1,2,4-Trichlorobenzene    | 13.847 | 180  | 3115     | 0.387 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.031 | 225  | 2083     | 0.386 | ug/l   | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 2851     | 0.371 | ug/l   | 98       |

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



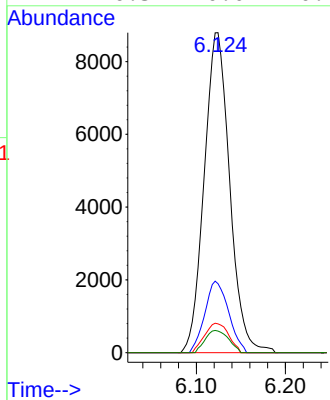
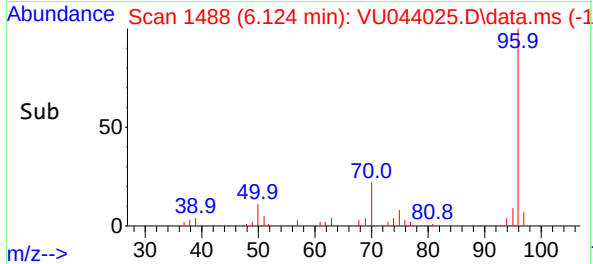


#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.124 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 96 Resp: 17478

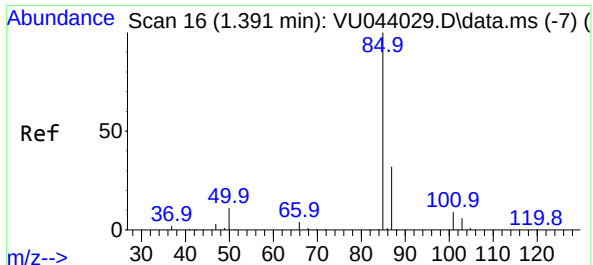
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 20.8  | 16.6  | 25.0  |
| 95  | 8.7   | 7.0   | 10.4  |
| 97  | 6.3   | 0.0   | 0.0#  |



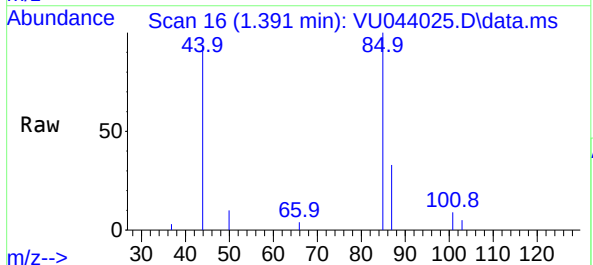
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Manual Integrations  
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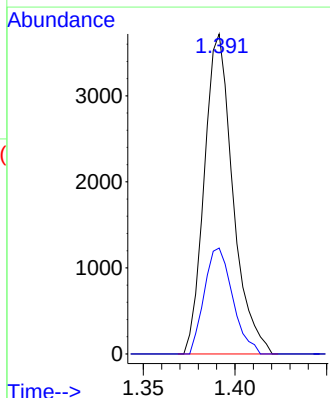
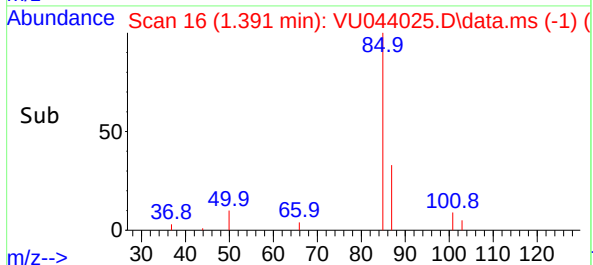


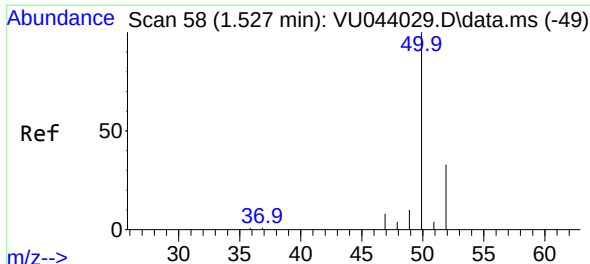
#2  
Dichlorodifluoromethane  
Concen: 0.580 ug/l  
RT: 1.391 min Scan# 16  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 85 Resp: 4025

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 33.1  | 16.0  | 48.0  |





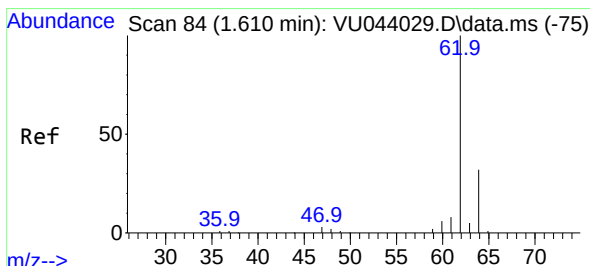
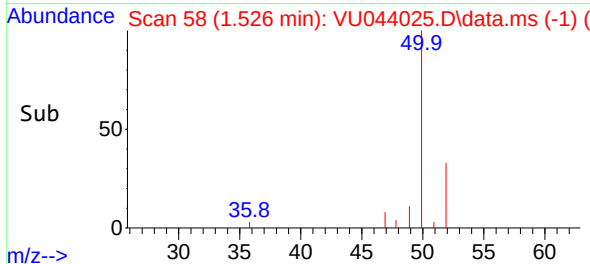
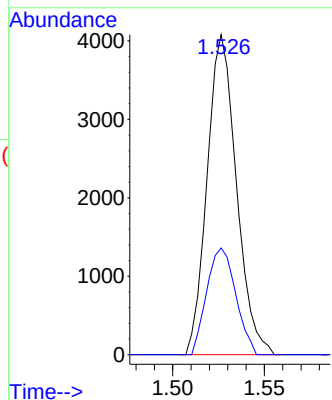
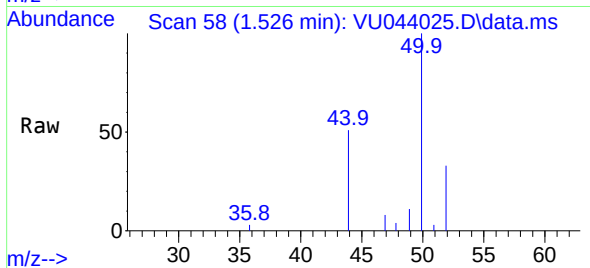
#3  
Chloromethane  
Concen: 0.676 ug/l  
RT: 1.526 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 50 Resp: 4533  
Ion Ratio Lower Upper  
50 100  
52 33.4 26.4 39.6

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

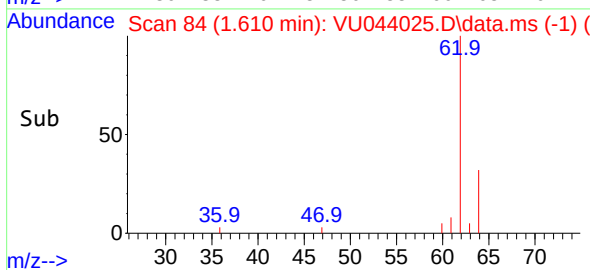
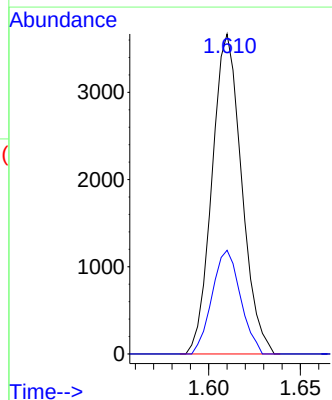
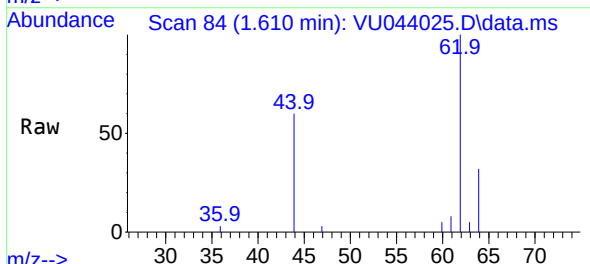
Manual Integrations  
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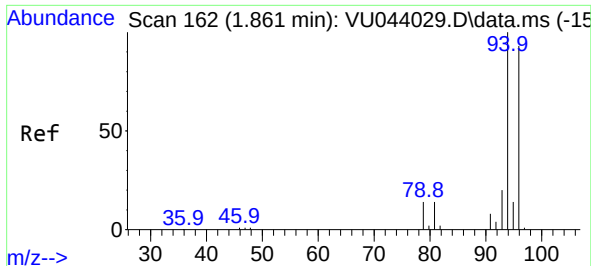
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#4  
Vinyl Chloride  
Concen: 0.639 ug/l  
RT: 1.610 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 62 Resp: 4118  
Ion Ratio Lower Upper  
62 100  
64 32.4 25.6 38.4





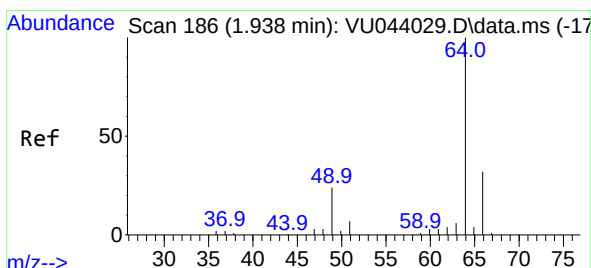
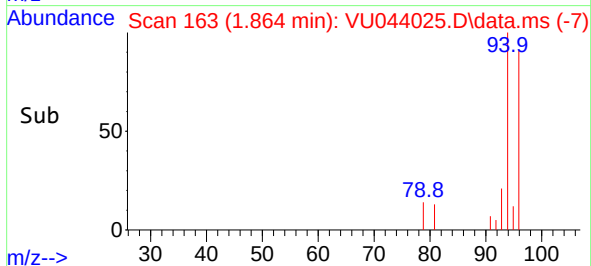
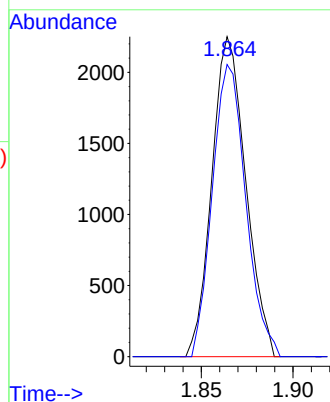
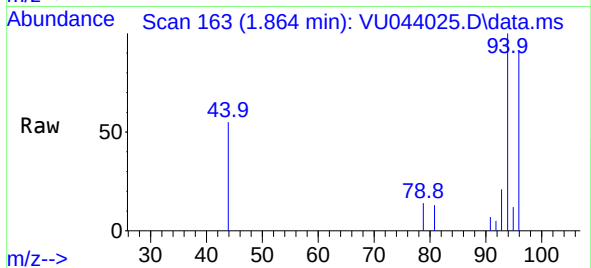
#5  
Bromomethane  
Concen: 0.709 ug/l  
RT: 1.864 min Scan# 163  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 94 Resp: 2890  
Ion Ratio Lower Upper  
94 100  
96 91.3 74.1 111.1

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ClientSampleId :  
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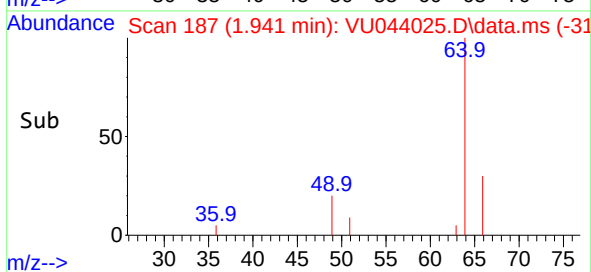
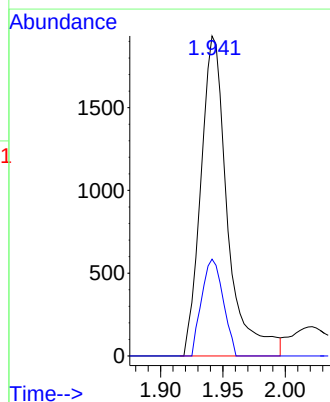
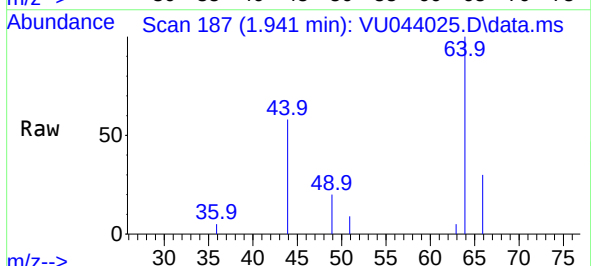
Manual Integrations  
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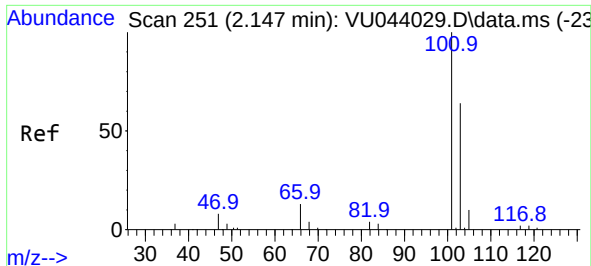
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#6  
Chloroethane  
Concen: 0.679 ug/l  
RT: 1.941 min Scan# 187  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 64 Resp: 2877  
Ion Ratio Lower Upper  
64 100  
66 30.3 25.4 38.0





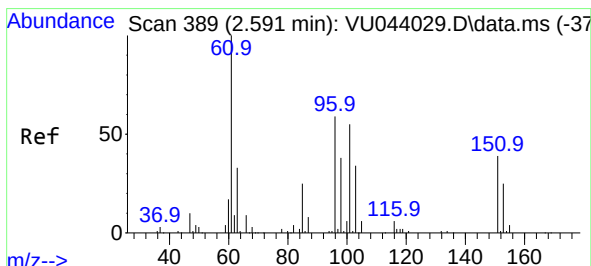
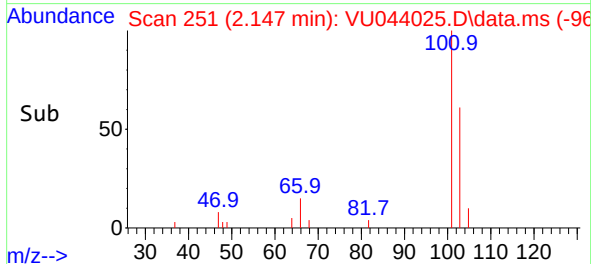
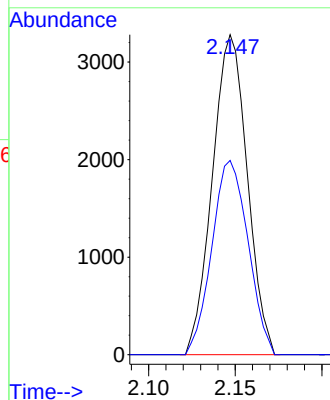
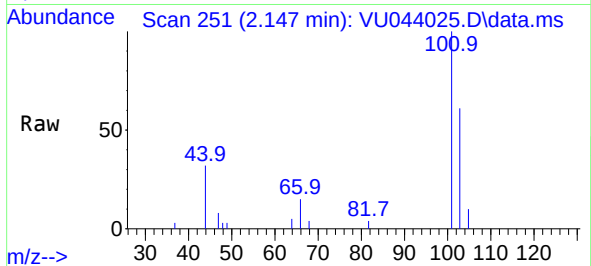
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 Trichlorofluoromethane  
 Concen: 0.448 ug/l  
 RT: 2.147 min Scan# 251  
 Delta R.T. -0.000 min  
 Lab File: VU044025.D  
 Acq: 02 Jun 2021 13:55

Tgt Ion:101 Resp: 4593  
 Ion Ratio Lower Upper  
 101 100  
 103 60.7 51.5 77.3

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

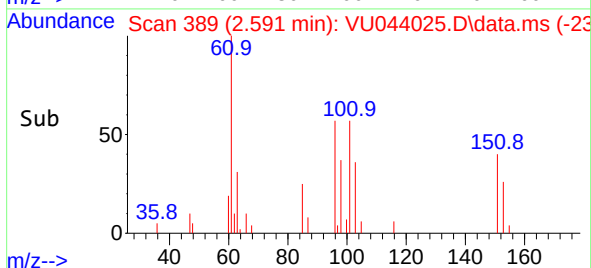
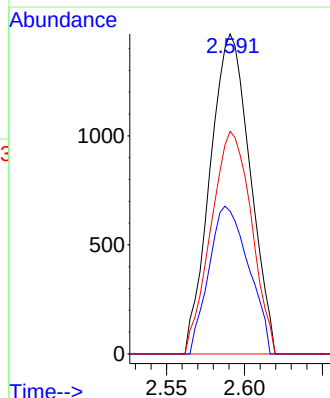
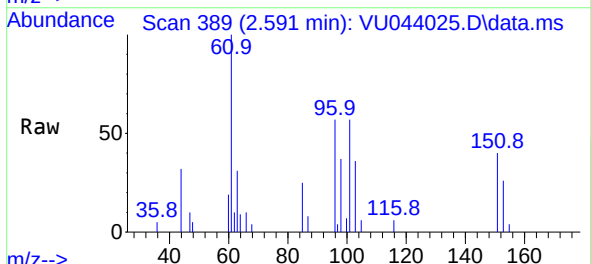
Manual Integrations  
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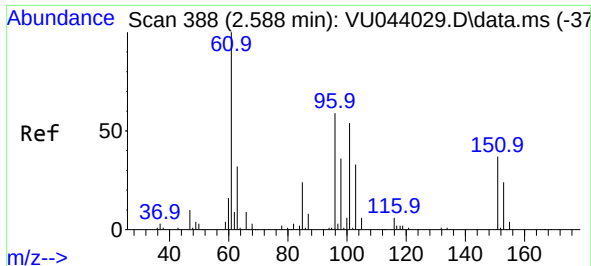
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#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.497 ug/l  
 RT: 2.591 min Scan# 389  
 Delta R.T. -0.000 min  
 Lab File: VU044025.D  
 Acq: 02 Jun 2021 13:55

Tgt Ion:101 Resp: 2615  
 Ion Ratio Lower Upper  
 101 100  
 85 46.0 35.8 53.6  
 151 70.5 55.8 83.6





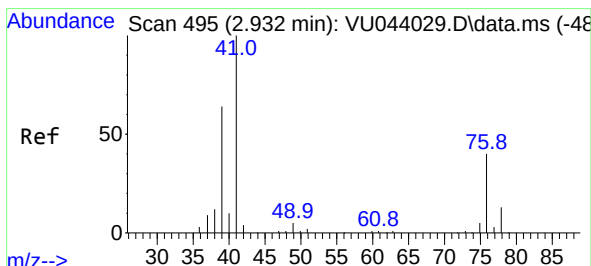
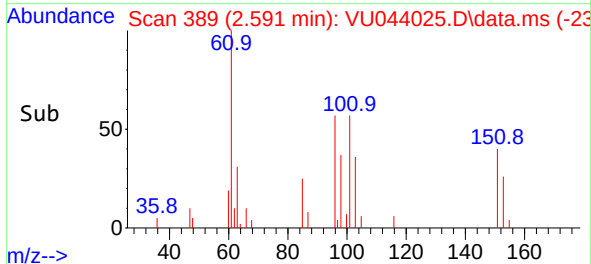
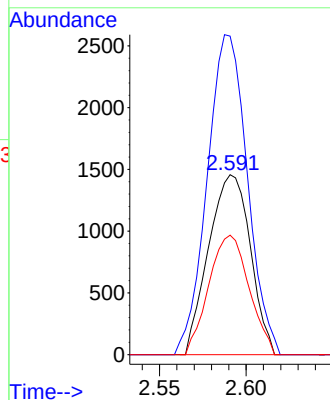
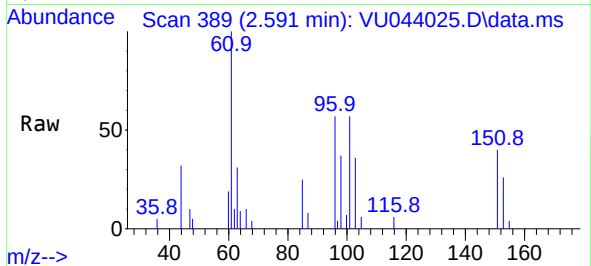
#9  
1,1-Dichloroethene  
Concen: 0.530 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 96 Resp: 2443  
Ion Ratio Lower Upper  
96 100  
61 176.9 0.0 510.9  
98 66.3 0.0 124.2

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

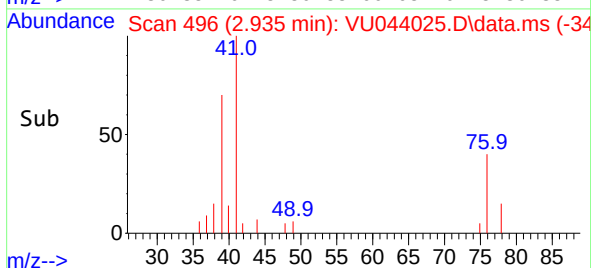
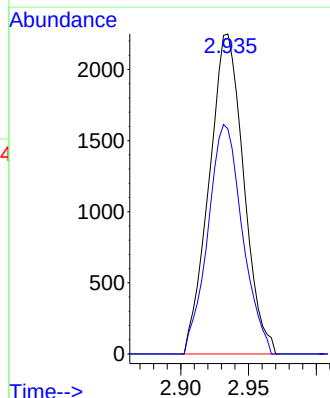
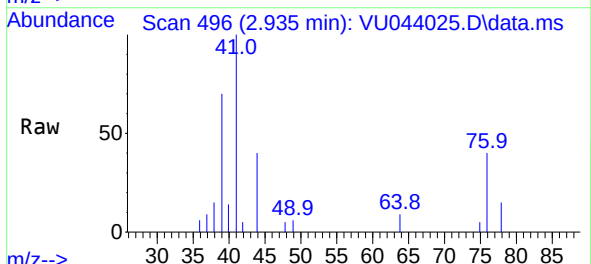
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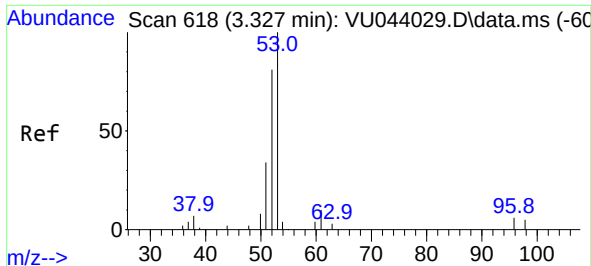


#11  
Allyl Chloride  
Concen: 0.463 ug/l  
RT: 2.935 min Scan# 496  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

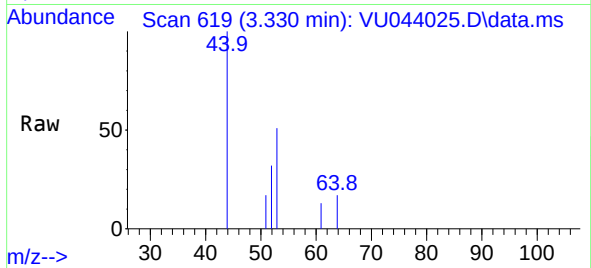
Tgt Ion: 41 Resp: 3988  
Ion Ratio Lower Upper  
41 100  
39 71.5 51.4 77.2



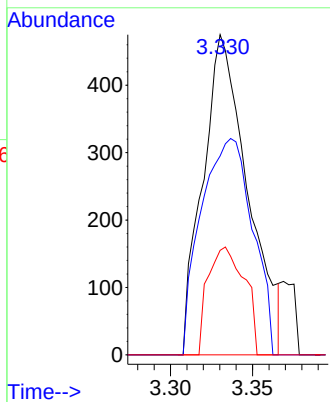
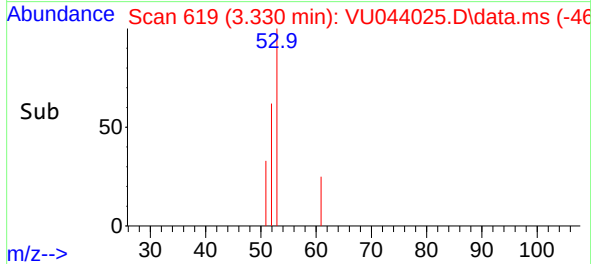




#12  
Acrylonitrile  
Concen: 0.713 ug/l  
RT: 3.330 min Scan# 619  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



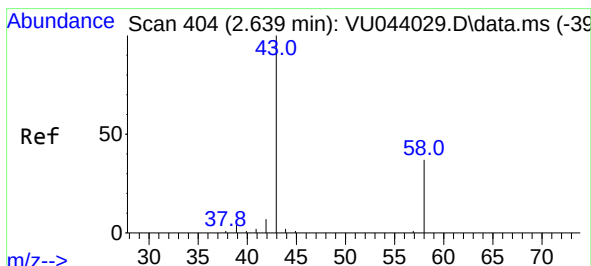
Tgt Ion: 53 Resp: 906  
Ion Ratio Lower Upper  
53 100  
52 77.0 66.7 100.1  
51 27.3 28.2 42.4#



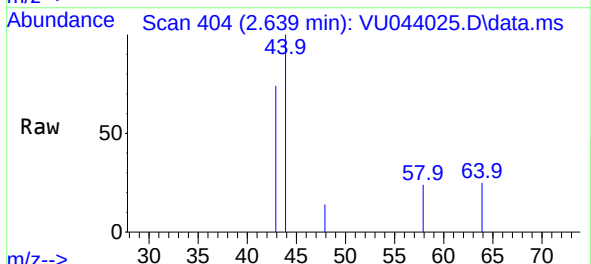
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

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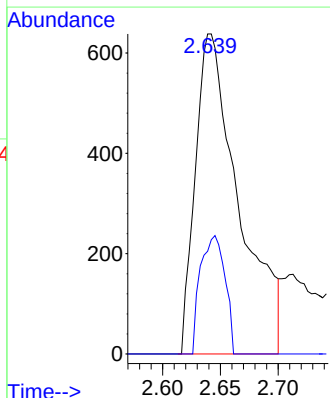
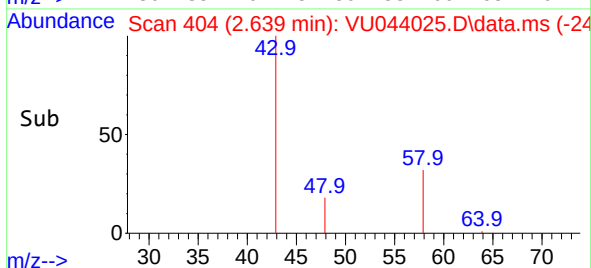
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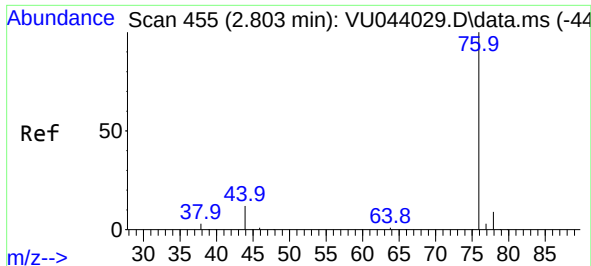


#13  
Acetone  
Concen: 1.726 ug/l  
RT: 2.639 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

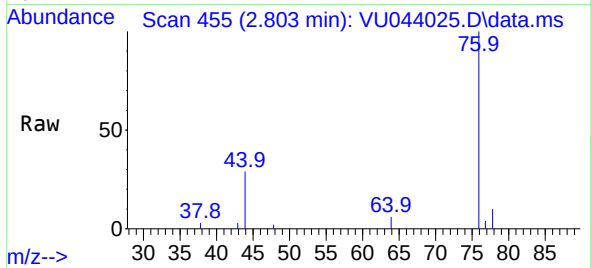


Tgt Ion: 43 Resp: 1669  
Ion Ratio Lower Upper  
43 100  
58 32.1 29.8 44.6

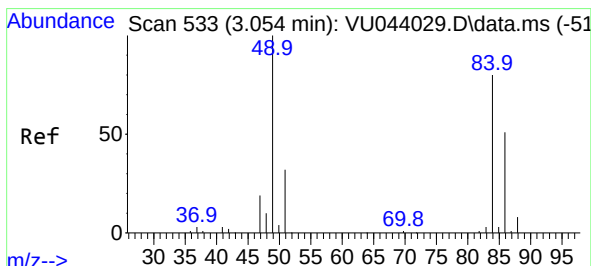
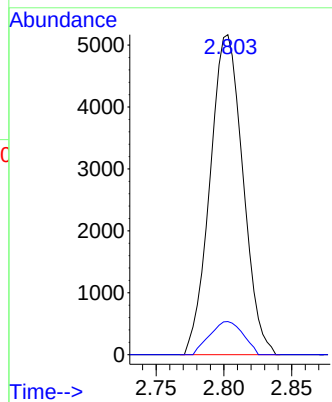
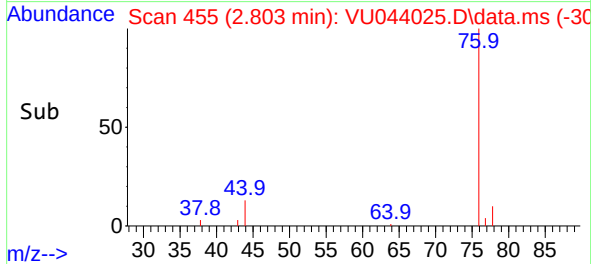




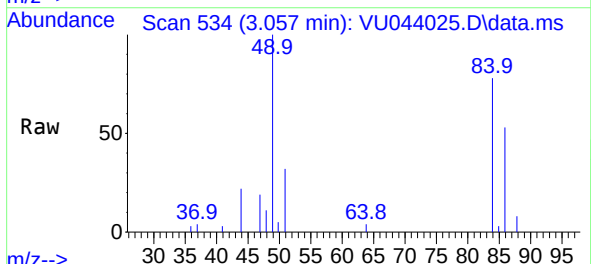
#14  
Carbon Disulfide  
Concen: 0.595 ug/l  
RT: 2.803 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



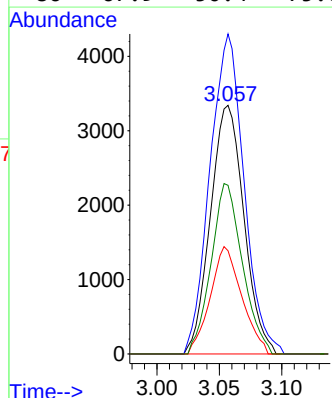
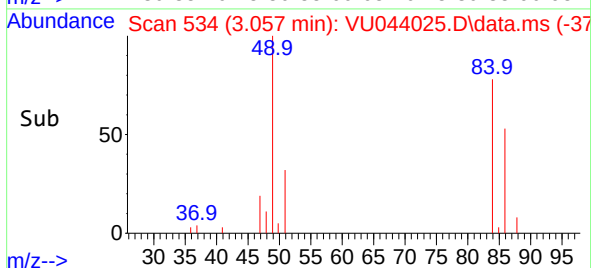
Tgt Ion: 76 Resp: 8740  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.3 10.9



#15  
Methylene Chloride  
Concen: 1.115 ug/l  
RT: 3.057 min Scan# 534  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



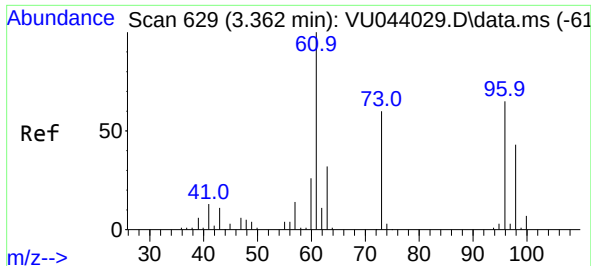
Tgt Ion: 84 Resp: 6256  
Ion Ratio Lower Upper  
84 100  
49 128.7 99.5 149.3  
51 41.5 0.0 80.0  
86 67.9 50.4 75.6



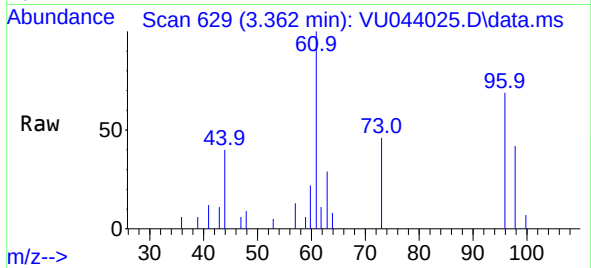
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

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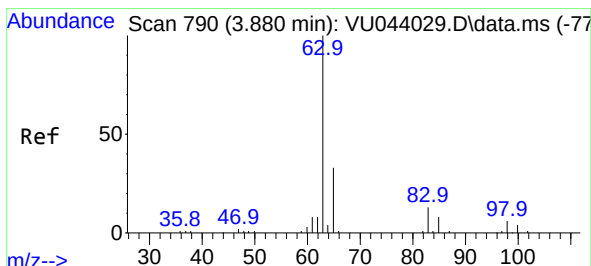
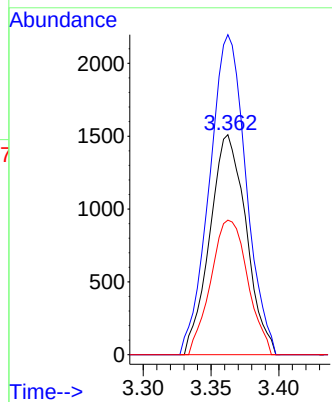
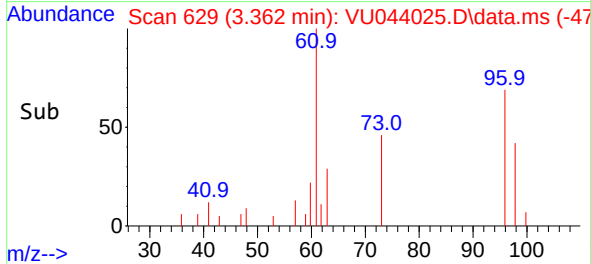
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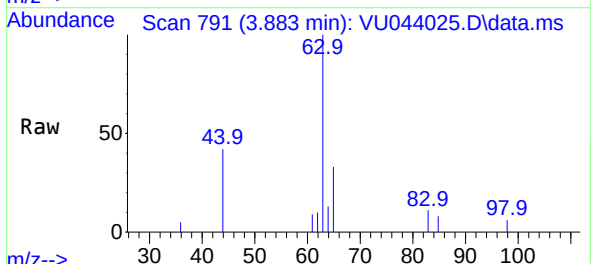
#16  
trans-1,2-Dichloroethene  
Concen: 0.565 ug/l  
RT: 3.362 min Scan# 629  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



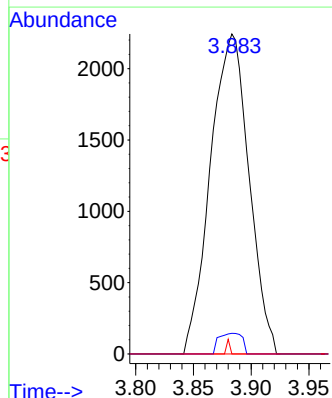
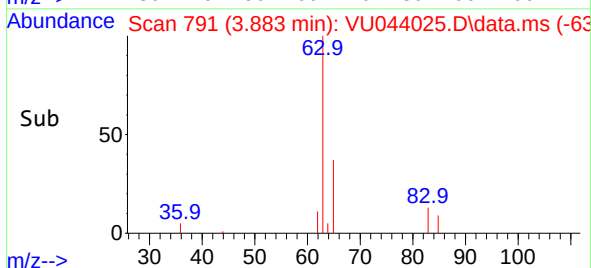
Tgt Ion: 96 Resp: 2820  
Ion Ratio Lower Upper  
96 100  
61 145.5 122.2 183.4  
98 61.2 52.0 78.0



#17  
1,1-Dichloroethane  
Concen: 0.513 ug/l  
RT: 3.883 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



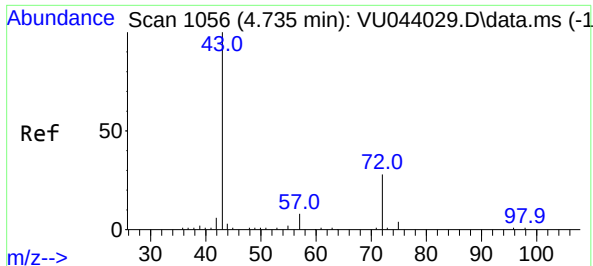
Tgt Ion: 63 Resp: 5212  
Ion Ratio Lower Upper  
63 100  
98 6.5 3.1 9.3  
100 0.0 2.1 6.5#



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

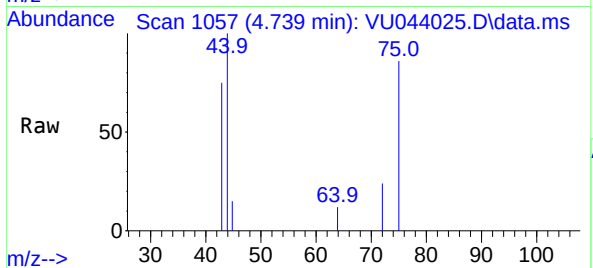
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#18  
2-Butanone  
Concen: 1.798 ug/l  
RT: 4.739 min Scan# 1057  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

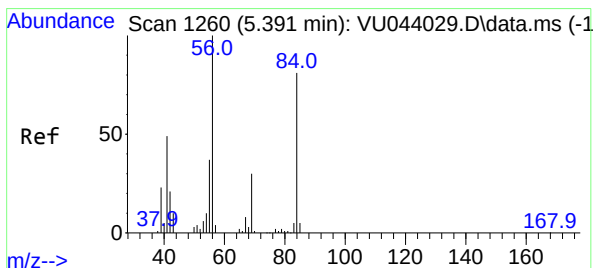
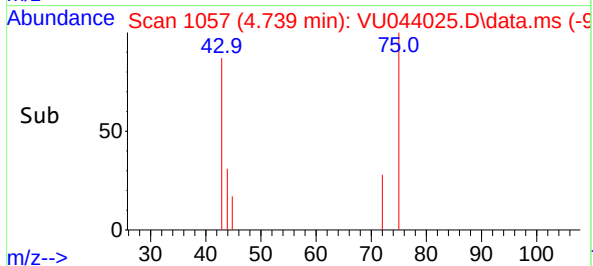
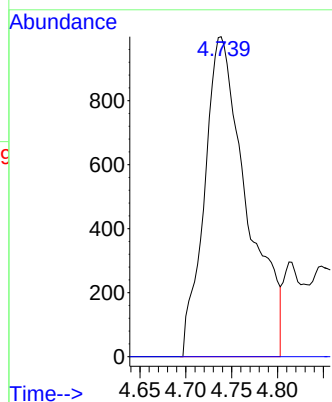
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



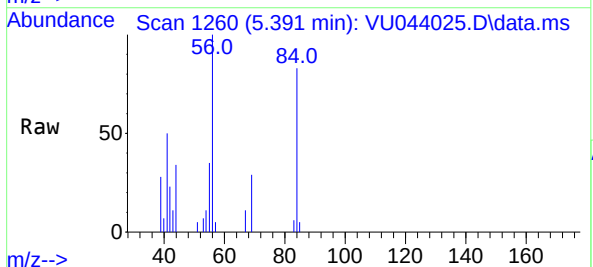
Tgt Ion: 43 Resp: 3225  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 16.8

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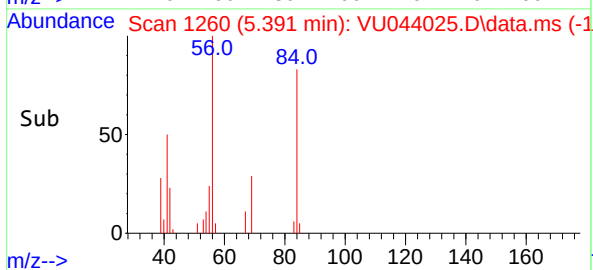
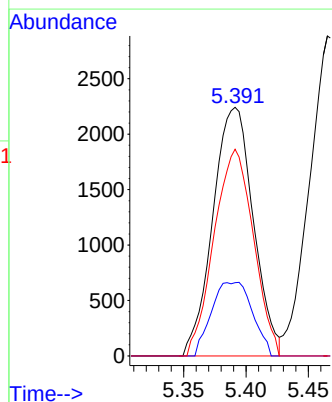
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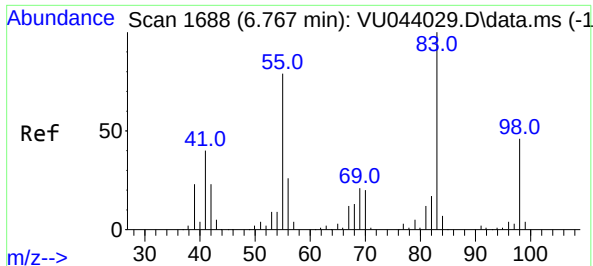


#19  
Cyclohexane  
Concen: 0.572 ug/l m  
RT: 5.391 min Scan# 1260  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 56 Resp: 5062  
Ion Ratio Lower Upper  
56 100  
69 29.9 23.8 35.8  
84 80.7 64.5 96.7





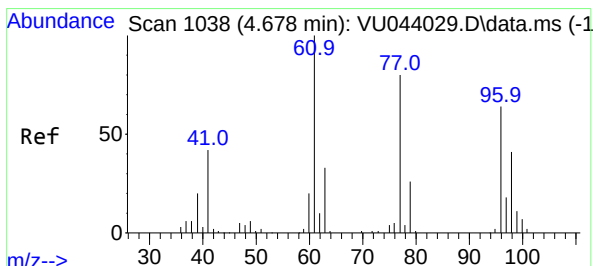
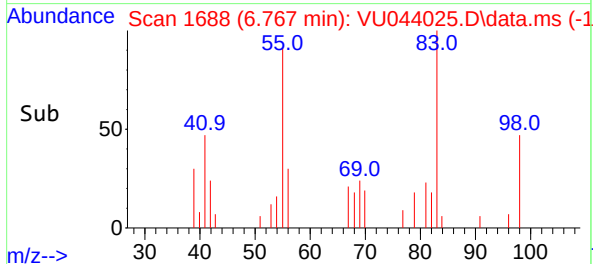
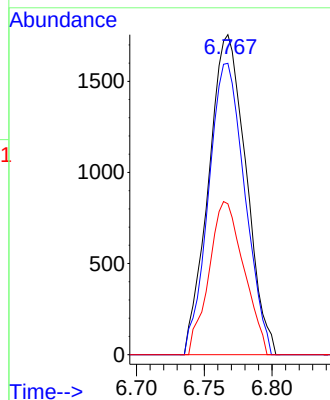
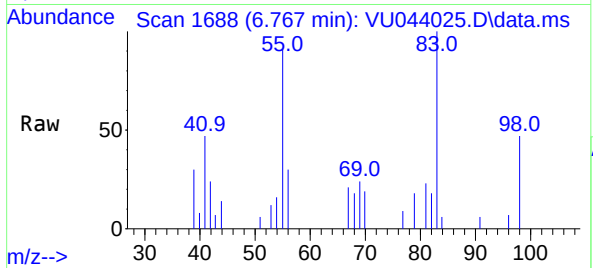
#20  
Methylcyclohexane  
Concen: 0.440 ug/l  
RT: 6.767 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 83 Resp: 3368  
Ion Ratio Lower Upper  
83 100  
55 88.3 64.3 96.5  
98 44.6 37.3 55.9

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

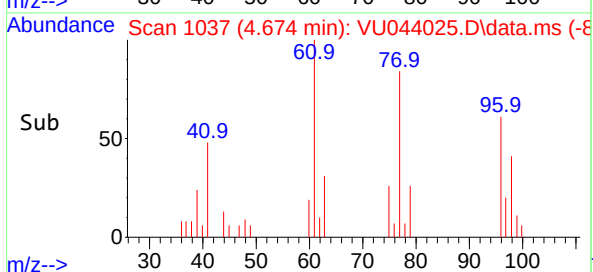
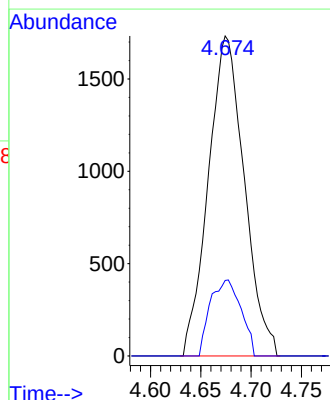
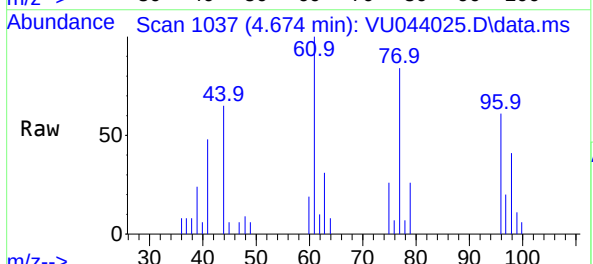
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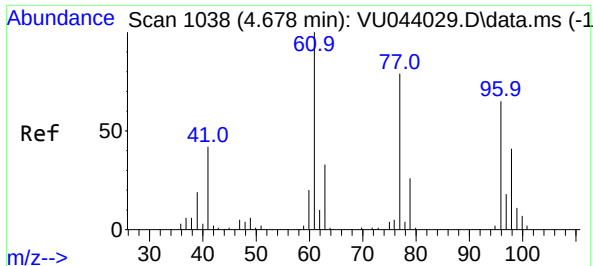
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#21  
2,2-Dichloropropane  
Concen: 0.472 ug/l  
RT: 4.674 min Scan# 1037  
Delta R.T. -0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 77 Resp: 4307  
Ion Ratio Lower Upper  
77 100  
97 20.2 17.4 26.0





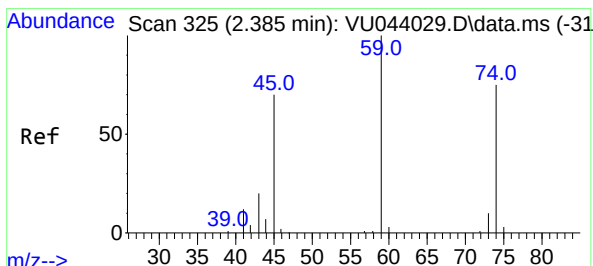
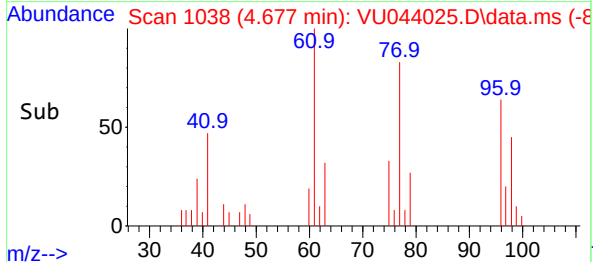
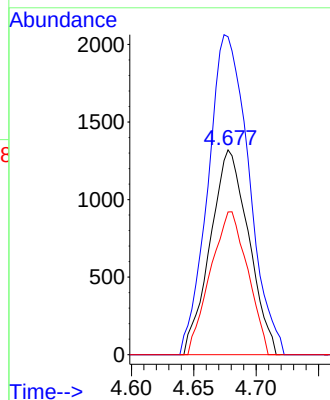
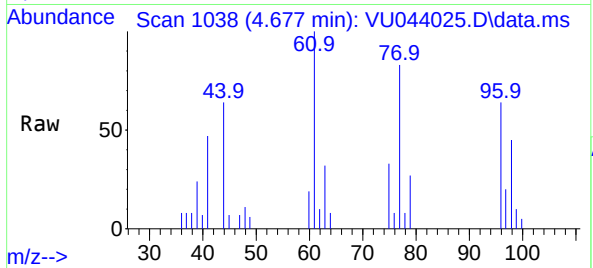
#22  
cis-1,2-Dichloroethene  
Concen: 0.504 ug/l  
RT: 4.677 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 96 Resp: 2831  
Ion Ratio Lower Upper  
96 100  
61 166.3 0.0 392.8  
98 67.6 31.9 95.7

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

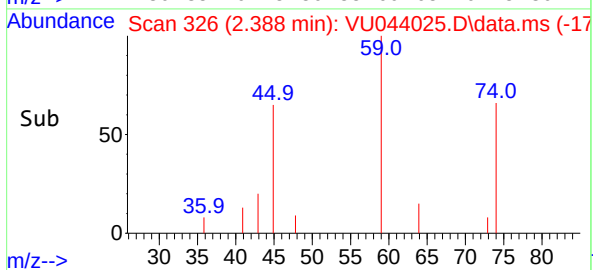
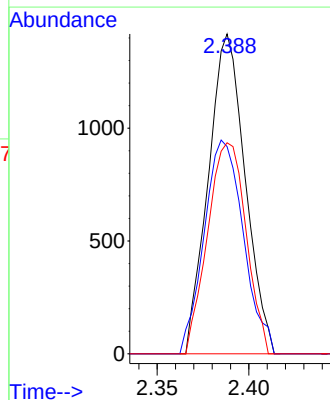
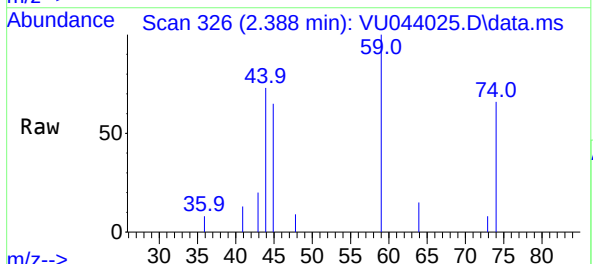
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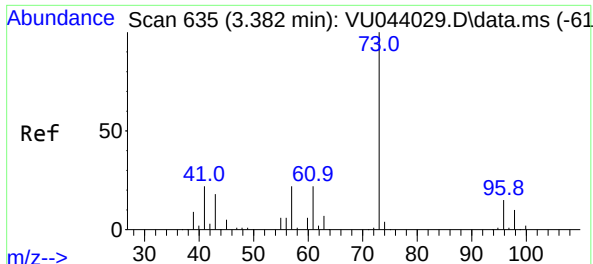
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#23  
Diethyl Ether  
Concen: 0.511 ug/l  
RT: 2.388 min Scan# 326  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 59 Resp: 1983  
Ion Ratio Lower Upper  
59 100  
45 71.3 55.8 83.6  
74 68.7 59.4 89.0





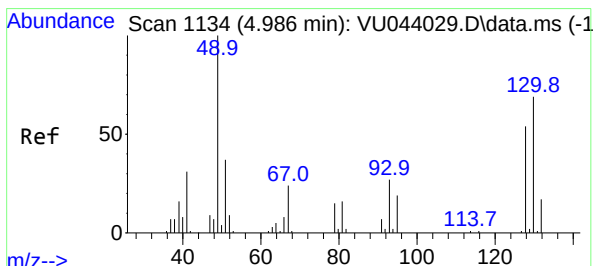
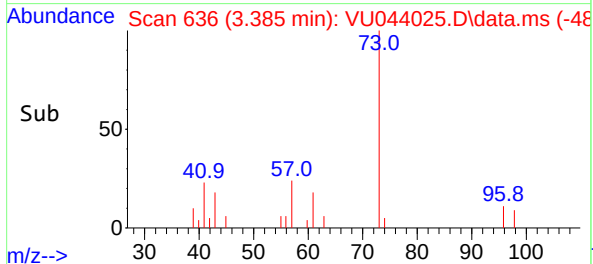
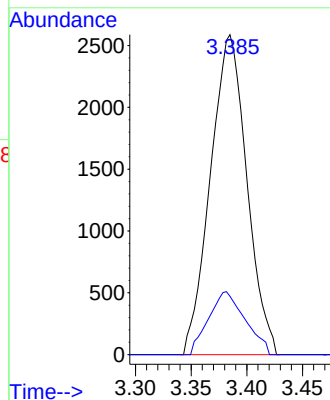
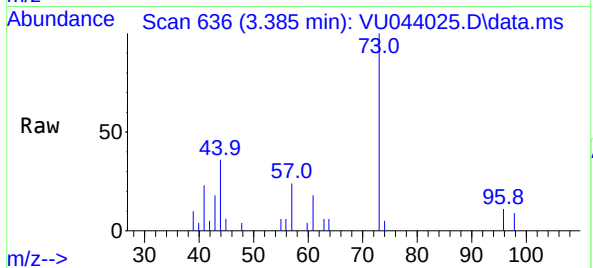
#25  
Methyl tert-Butyl Ether  
Concen: 0.438 ug/l  
RT: 3.385 min Scan# 636  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 73 Resp: 5892  
Ion Ratio Lower Upper  
73 100  
43 19.9 13.7 20.5

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

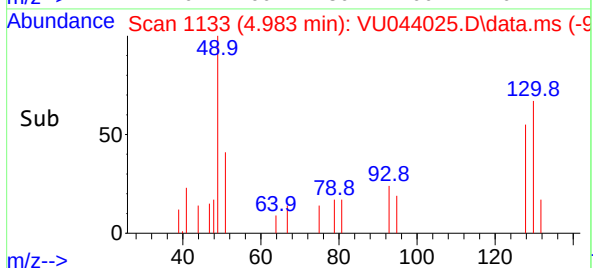
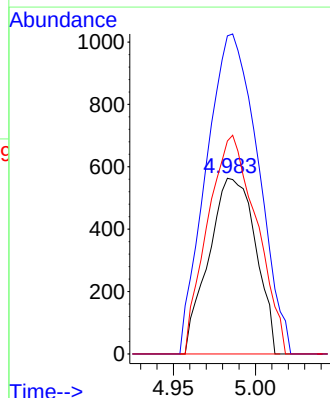
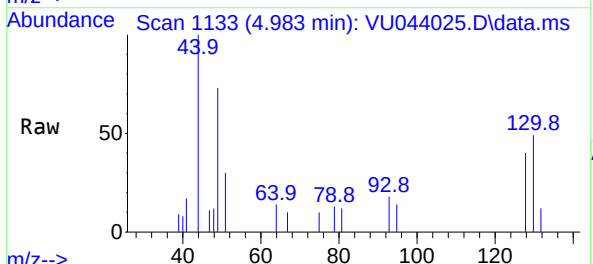
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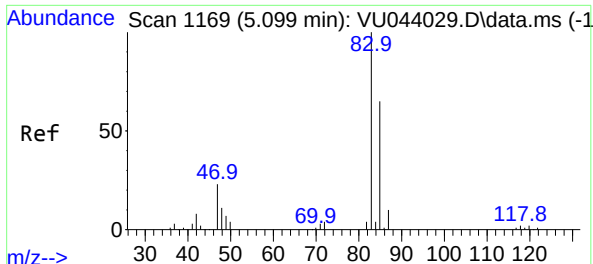
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#26  
Bromochloromethane  
Concen: 0.427 ug/l  
RT: 4.983 min Scan# 1133  
Delta R.T. -0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

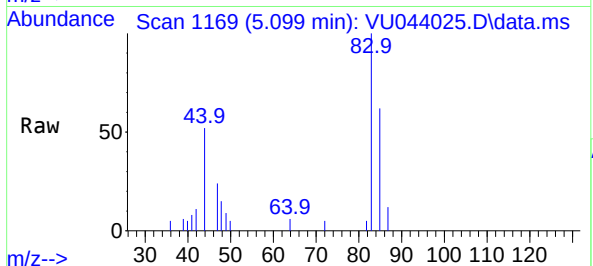
Tgt Ion: 128 Resp: 1118  
Ion Ratio Lower Upper  
128 100  
49 201.5 0.0 375.2  
130 130.1 103.2 154.8





#27  
Chloroform  
Concen: 0.484 ug/l  
RT: 5.099 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

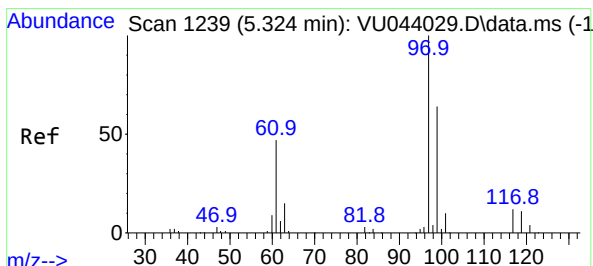
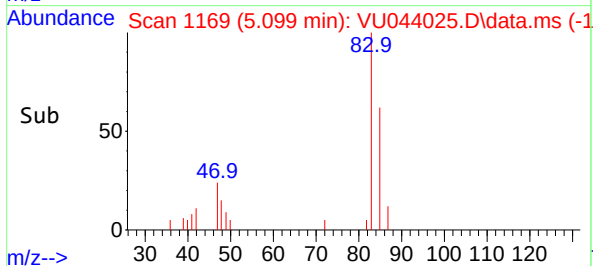
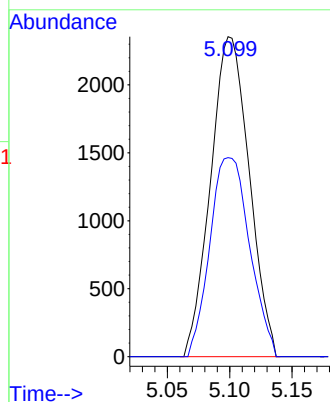
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MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



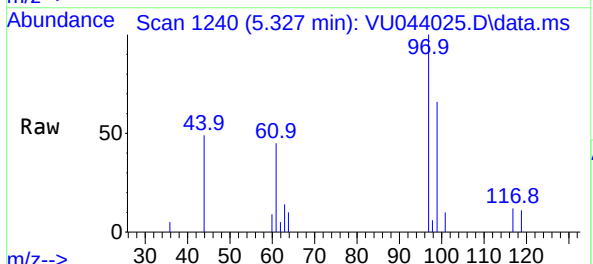
Tgt Ion: 83 Resp: 5080  
Ion Ratio Lower Upper  
83 100  
85 62.2 0.0 129.2

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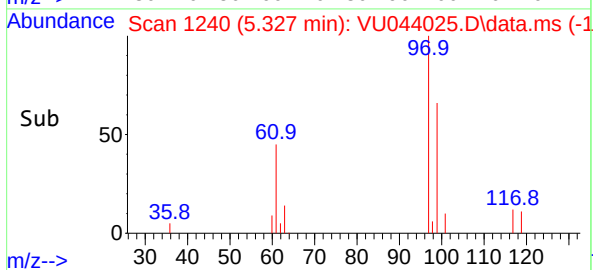
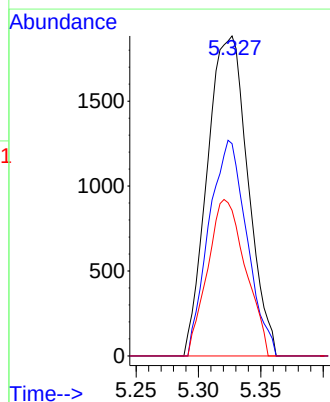
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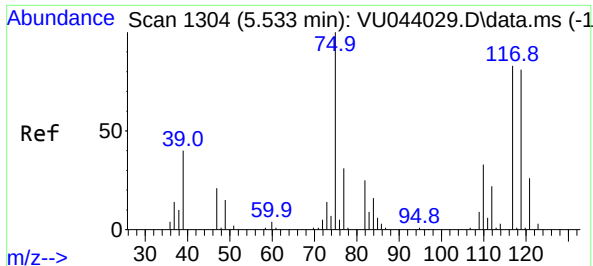
#28  
1,1,1-Trichloroethane  
Concen: 0.454 ug/l  
RT: 5.327 min Scan# 1240  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 97 Resp: 4271  
Ion Ratio Lower Upper  
97 100  
99 63.0 32.0 96.0  
61 45.6 23.2 69.5







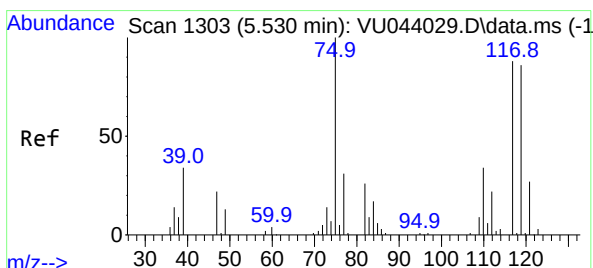
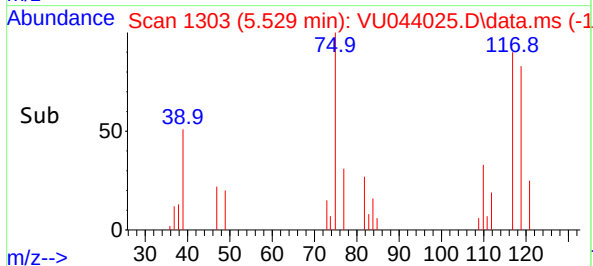
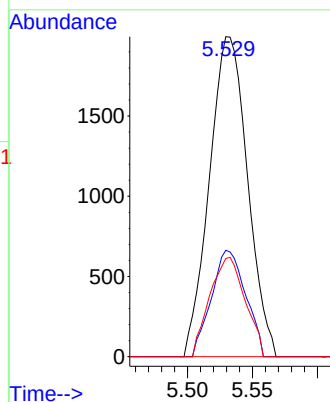
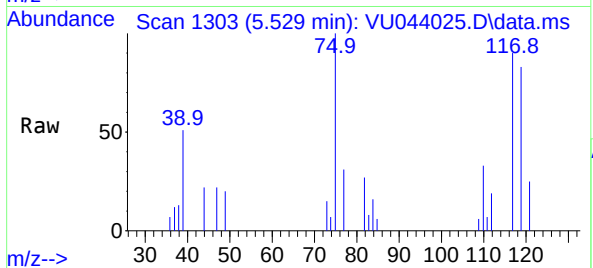
#29  
1,1-Dichloropropene  
Concen: 0.586 ug/l  
RT: 5.529 min Scan# 1303  
Delta R.T. -0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4068  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 29.9  | 16.4  | 49.4  |
| 77       | 28.8  | 24.7  | 37.1  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

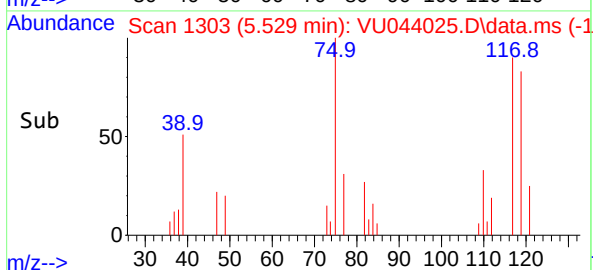
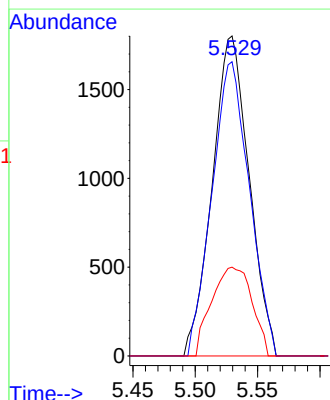
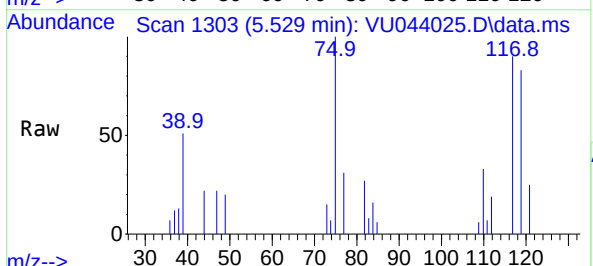
Manual Integrations  
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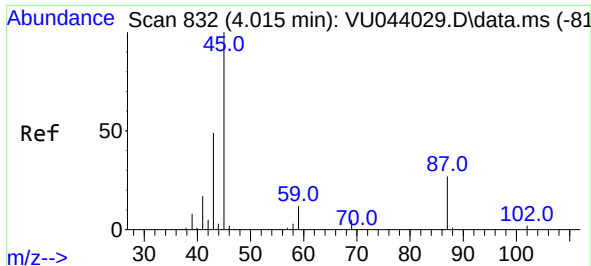
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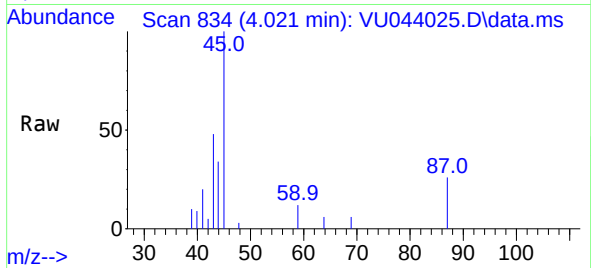
#30  
Carbon Tetrachloride  
Concen: 0.500 ug/l  
RT: 5.529 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 3705  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.0  | 77.6  | 116.4 |
| 121      | 27.7  | 24.3  | 36.5  |

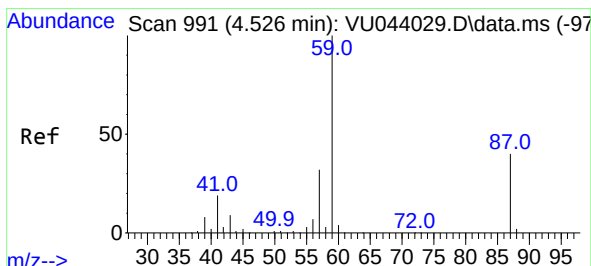
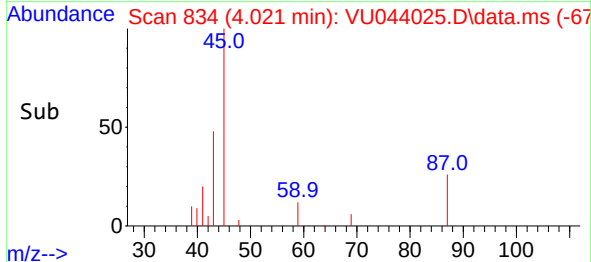
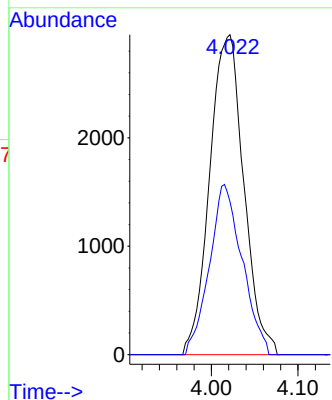




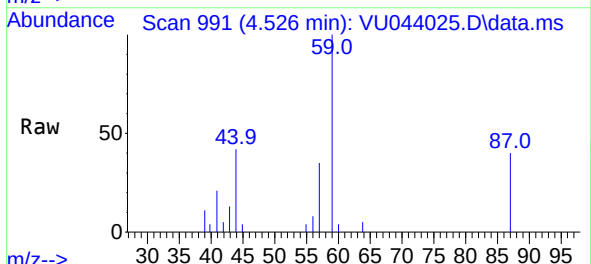
#31  
Isopropyl Ether  
Concen: 0.451 ug/l  
RT: 4.021 min Scan# 834  
Delta R.T. 0.006 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



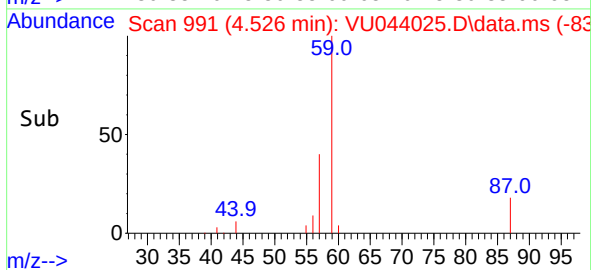
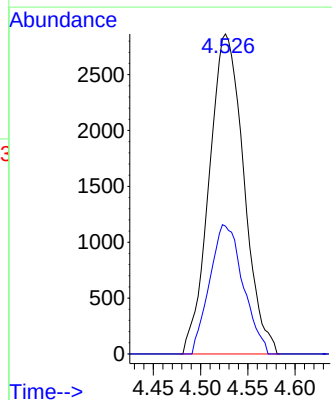
Tgt Ion: 45 Resp: 8070  
Ion Ratio Lower Upper  
45 100  
43 51.2 24.4 73.4



#32  
Ethyl-t-butyl ether  
Concen: 0.457 ug/l  
RT: 4.526 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



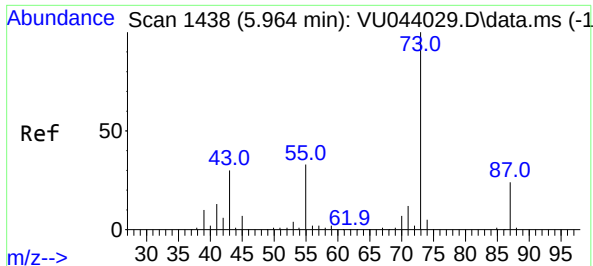
Tgt Ion: 59 Resp: 7289  
Ion Ratio Lower Upper  
59 100  
87 39.0 32.2 48.4



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Manual Integrations  
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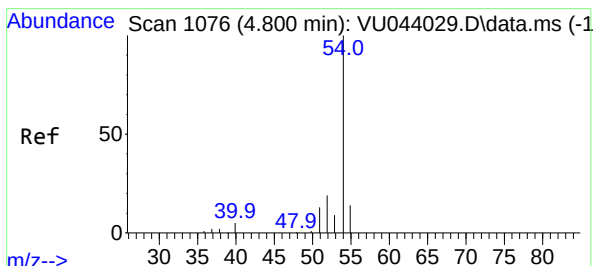
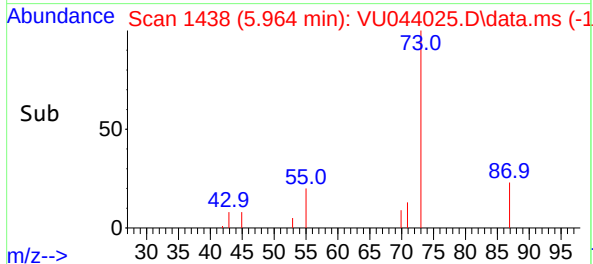
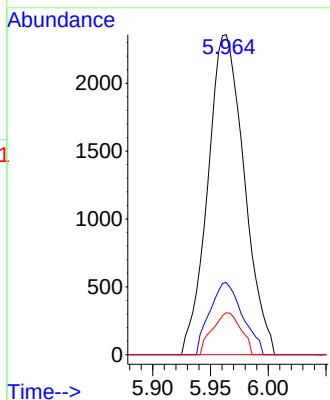
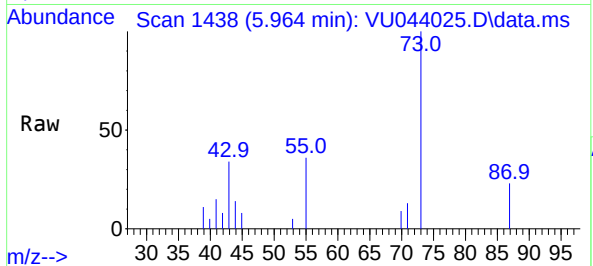
#33  
Tert-Amyl methyl ether  
Concen: 0.441 ug/l  
RT: 5.964 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 5171  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 87 20.2     | 19.0 28.6   |
| 71 10.2     | 9.4 14.2    |

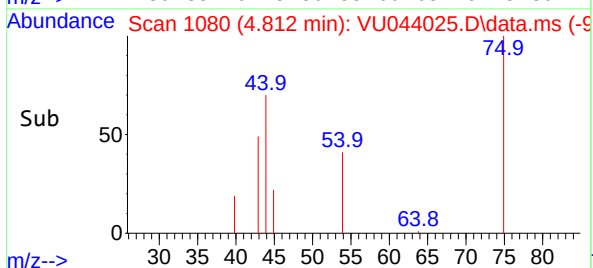
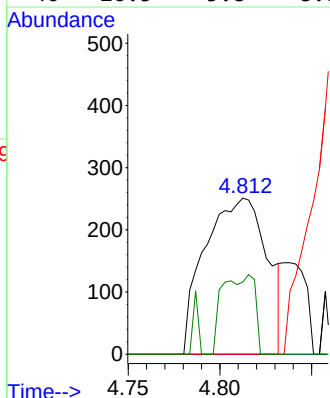
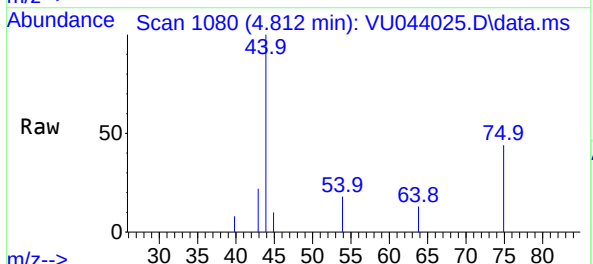
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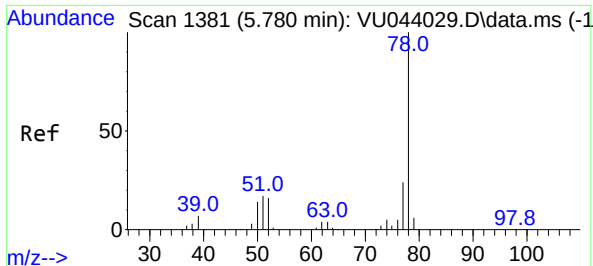
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#34  
Propionitrile  
Concen: 1.481 ug/l  
RT: 4.812 min Scan# 1080  
Delta R.T. 0.013 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 54 | Resp: | 592   |
| Ion | Ratio   | Lower | Upper |
| 54  | 100     |       |       |
| 52  | 0.0     | 16.4  | 24.6# |
| 55  | 0.0     | 13.4  | 20.2# |
| 40  | 26.5    | 5.8   | 8.8#  |





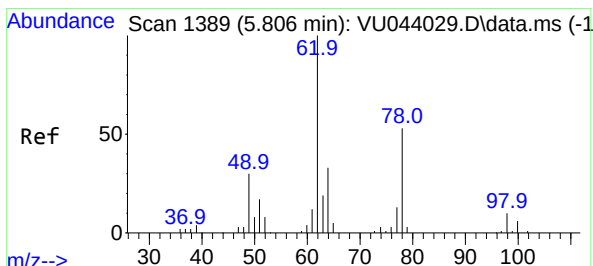
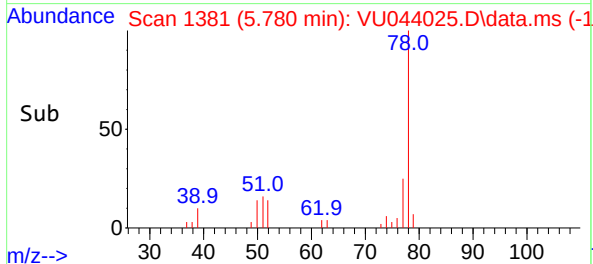
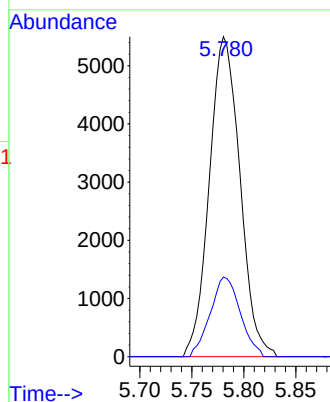
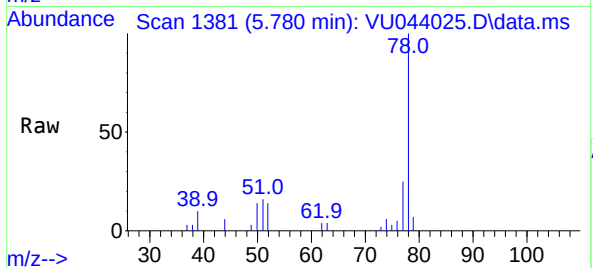
#35  
Benzene  
Concen: 0.575 ug/l  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 78 Resp: 11270  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.4 29.2

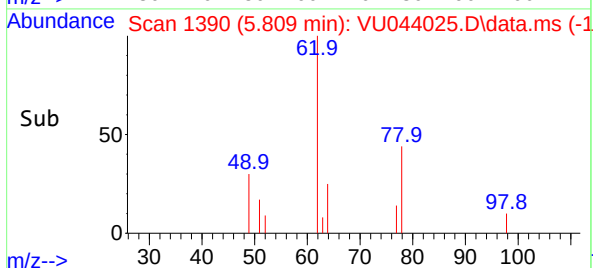
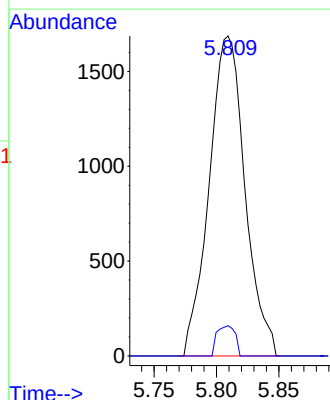
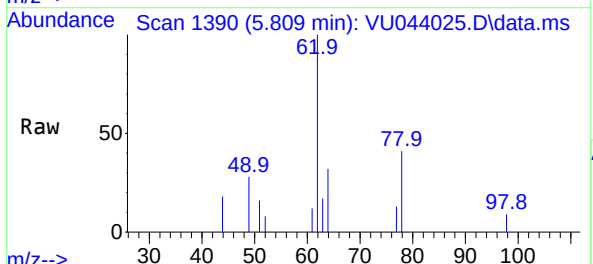
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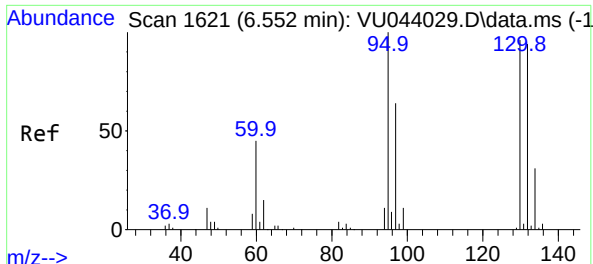
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#36  
1,2-Dichloroethane  
Concen: 0.465 ug/l  
RT: 5.809 min Scan# 1390  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 62 Resp: 3375  
Ion Ratio Lower Upper  
62 100  
98 4.8 7.7 11.5#





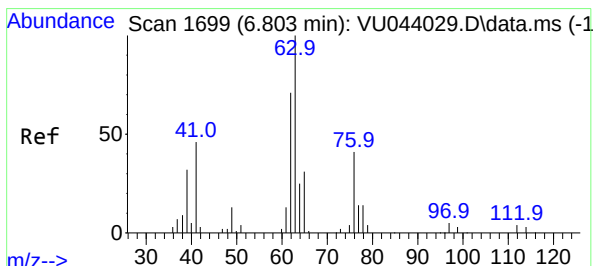
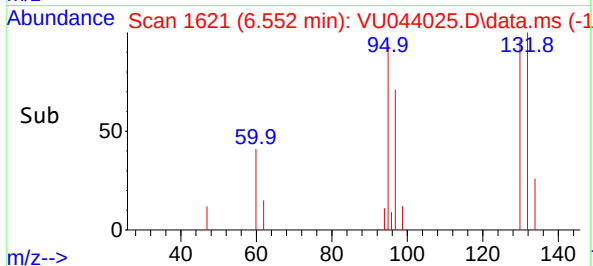
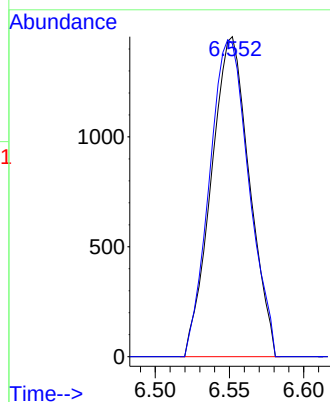
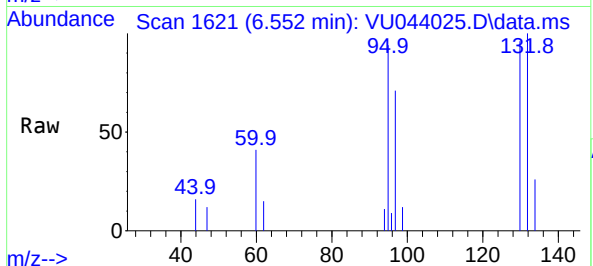
#37  
Trichloroethene  
Concen: 0.509 ug/l  
RT: 6.552 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:130 Resp: 2601  
Ion Ratio Lower Upper  
130 100  
95 97.9 83.6 125.4

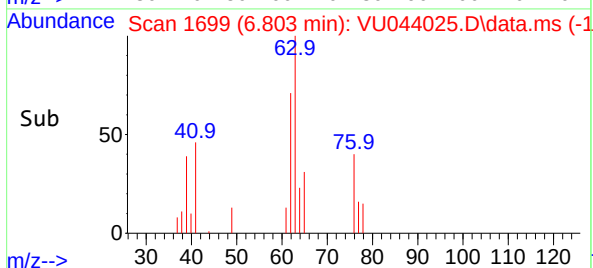
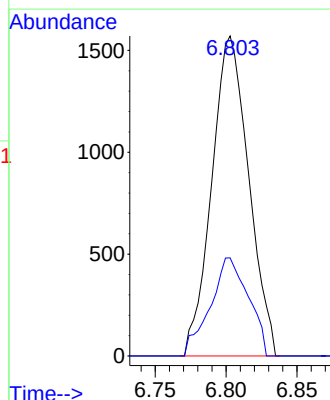
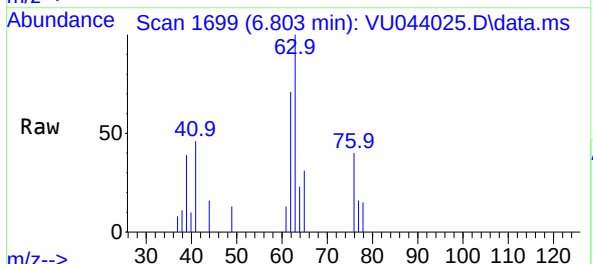
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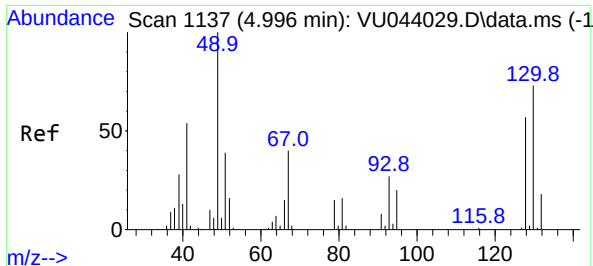
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#38  
1,2-Dichloropropane  
Concen: 0.513 ug/l  
RT: 6.803 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 63 Resp: 2852  
Ion Ratio Lower Upper  
63 100  
65 30.7 25.0 37.4





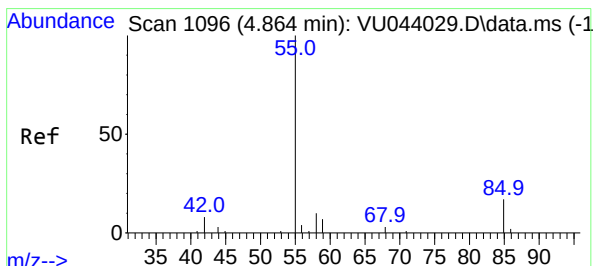
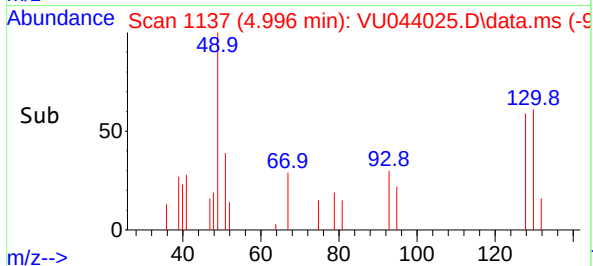
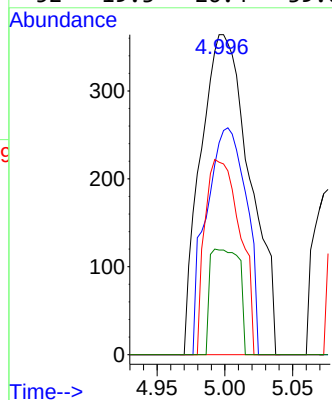
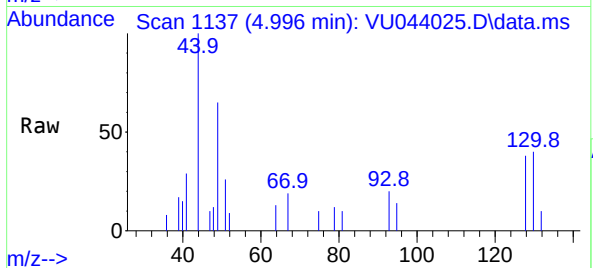
#39  
Methacrylonitrile  
Concen: 0.365 ug/l  
RT: 4.996 min Scan# 1137  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 920   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 57.5  | 63.6  | 95.4# |
| 39       | 43.3  | 42.3  | 63.5  |
| 52       | 19.3  | 26.4  | 39.6# |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

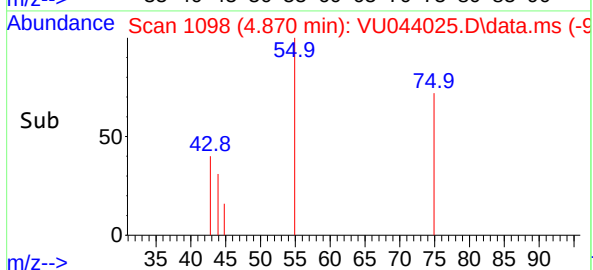
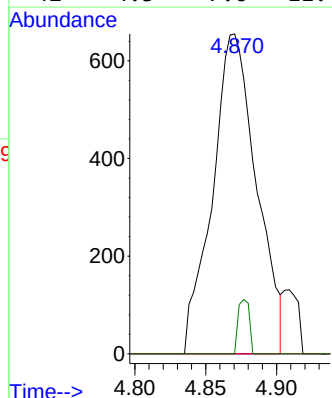
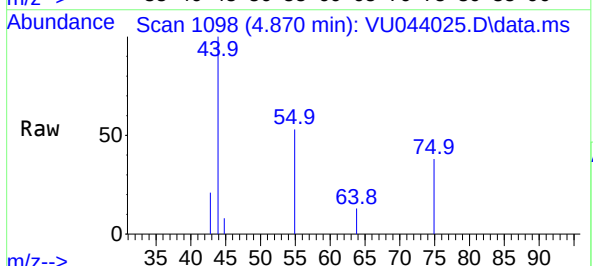
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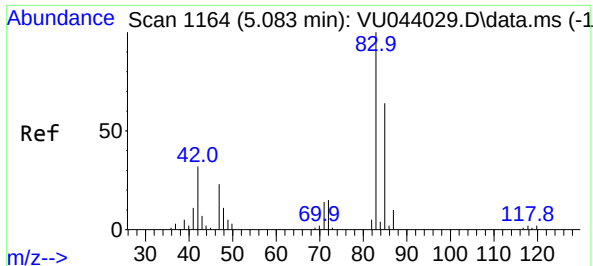
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#40  
Methyl acrylate  
Concen: 0.421 ug/l  
RT: 4.870 min Scan# 1098  
Delta R.T. 0.006 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 1419  |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 0.0   | 11.4  | 17.2# |
| 58       | 0.0   | 7.2   | 10.8# |
| 42       | 4.3   | 7.6   | 11.4# |





#41

Tetrahydrofuran

Concen: 0.793 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VU044025.D

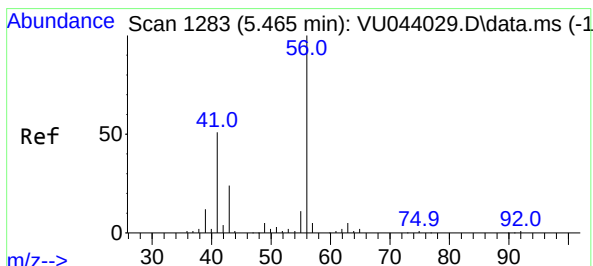
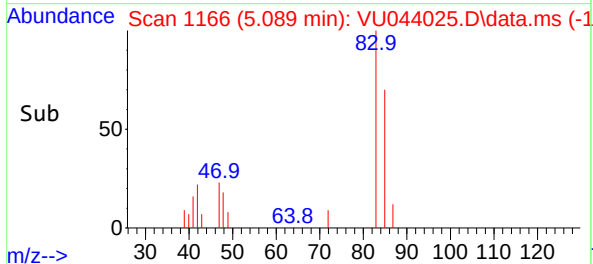
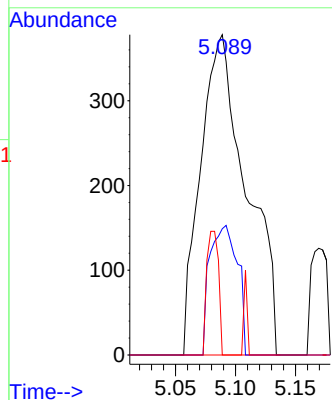
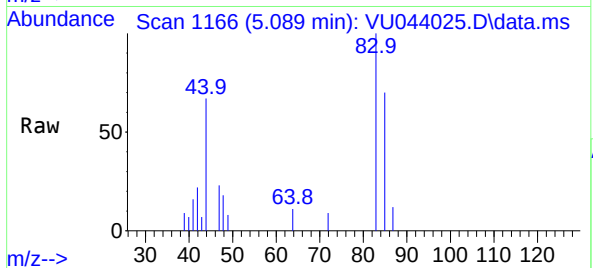
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1011  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 24.2  | 36.6  | 55.0# |
| 71       | 9.9   | 25.9  | 38.9# |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

Manual Integrations  
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#42

1-Chlorobutane

Concen: 0.579 ug/l

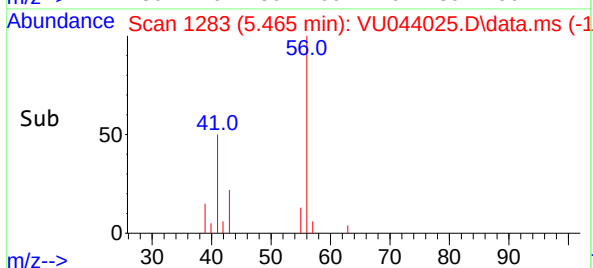
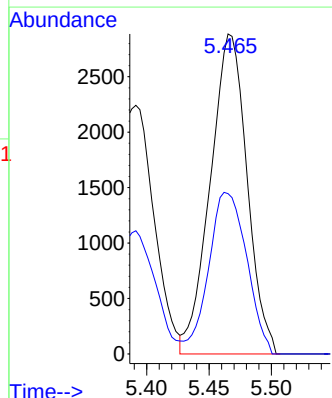
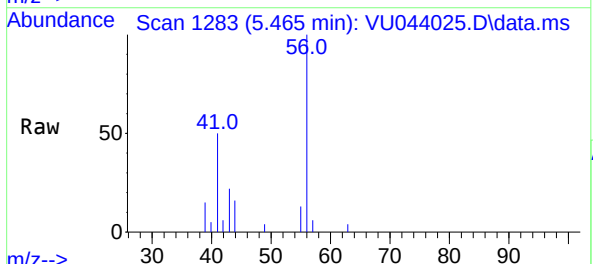
RT: 5.465 min Scan# 1283

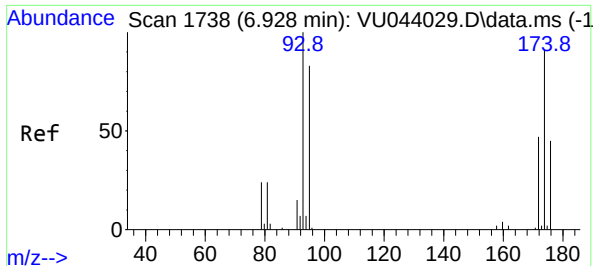
Delta R.T. -0.000 min

Lab File: VU044025.D

Acq: 02 Jun 2021 13:55

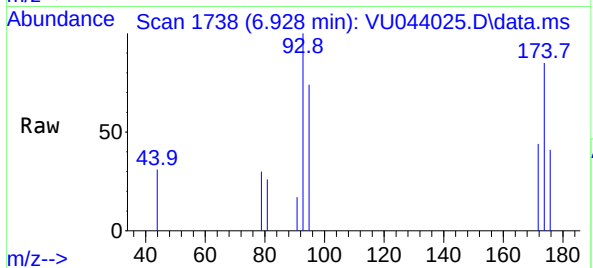
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 5916  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 52.1  | 25.8  | 77.3  |





#43  
Dibromomethane  
Concen: 0.476 ug/l  
RT: 6.928 min Scan# 1738  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

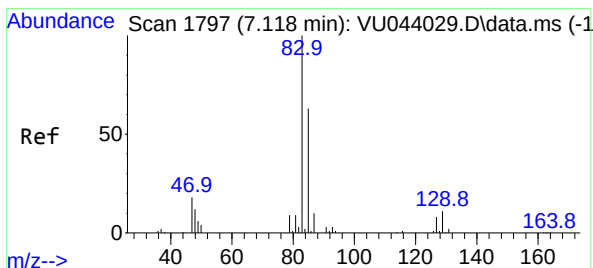
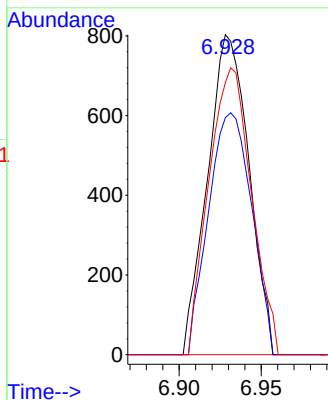
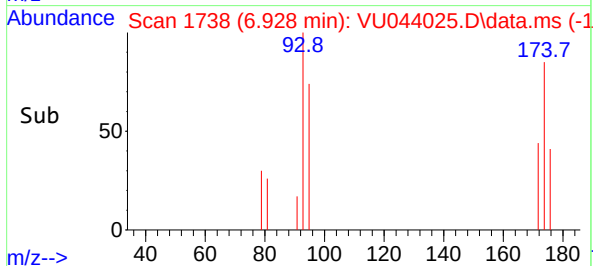
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



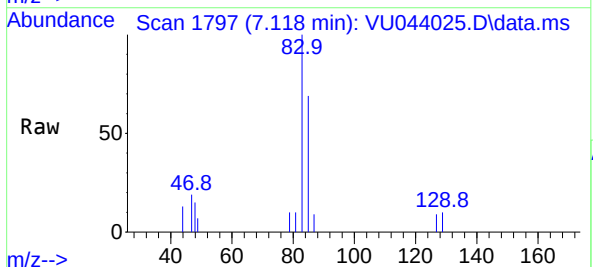
Tgt Ion: 93 Resp: 1407  
Ion Ratio Lower Upper  
93 100  
95 78.7 66.4 99.6  
174 92.3 73.6 110.4

Manual Integrations  
APPROVED

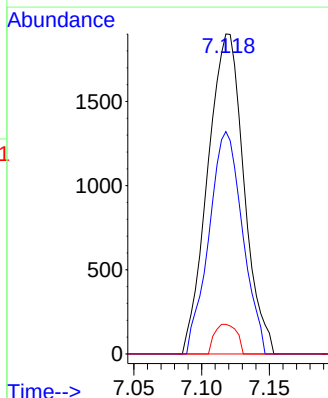
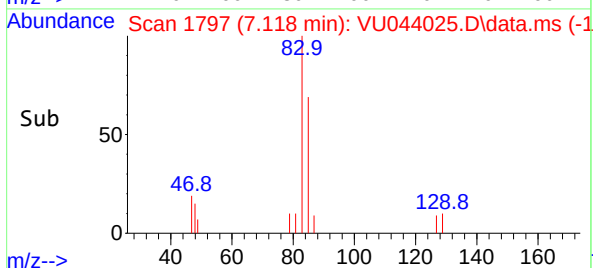
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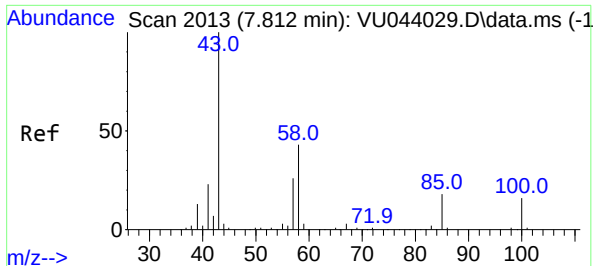
#44  
Bromodichloromethane  
Concen: 0.502 ug/l  
RT: 7.118 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 83 Resp: 3528  
Ion Ratio Lower Upper  
83 100  
85 69.5 50.6 76.0  
127 9.3 6.4 9.6







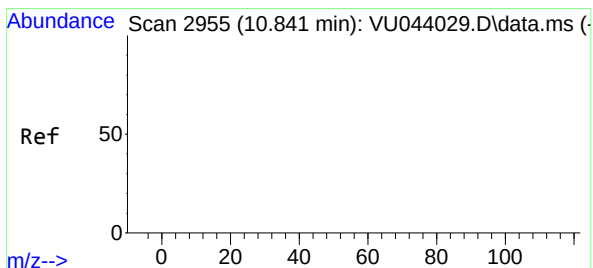
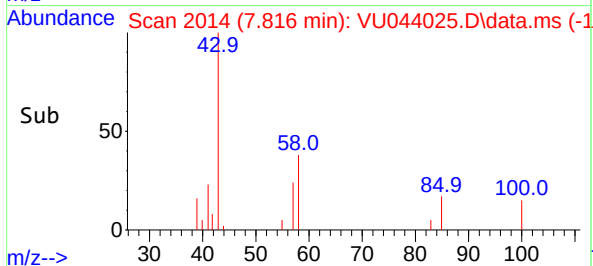
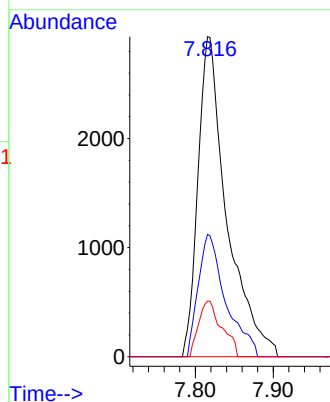
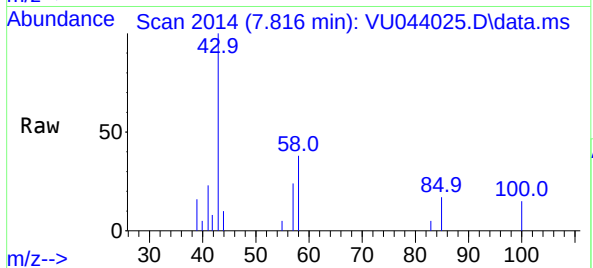
#45  
4-Methyl-2-Pentanone  
Concen: 1.764 ug/l  
RT: 7.816 min Scan# 2014  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 43 Resp: 7529  
Ion Ratio Lower Upper  
43 100  
58 36.5 21.1 63.4  
85 13.9 14.6 22.0#

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

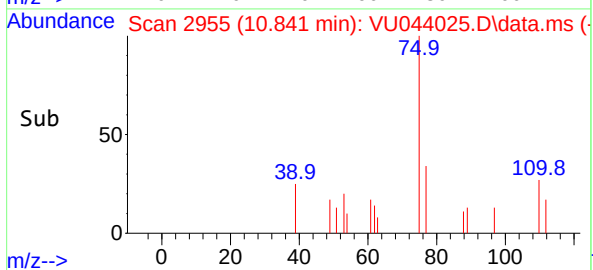
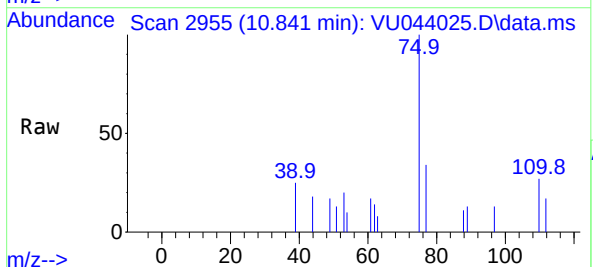
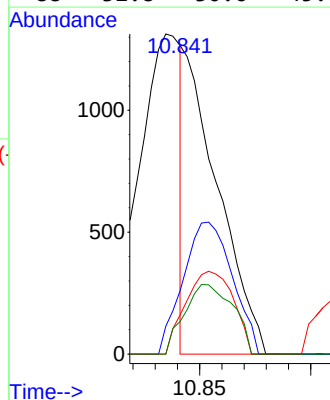
Manual Integrations  
APPROVED

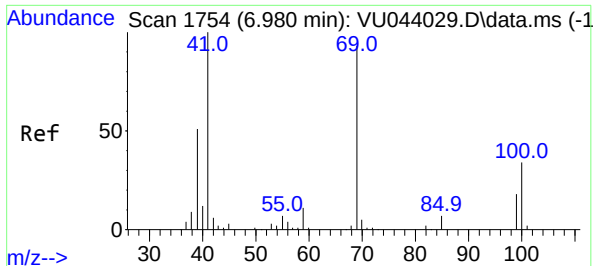
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#46  
t-1,4-Dichloro-2-butene  
Concen: 0.946 ug/l m  
RT: 10.841 min Scan# 2955  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 75 Resp: 1322  
Ion Ratio Lower Upper  
75 100  
53 63.0 61.9 92.9  
89 38.3 39.4 59.2#  
88 32.8 30.6 45.8





#47

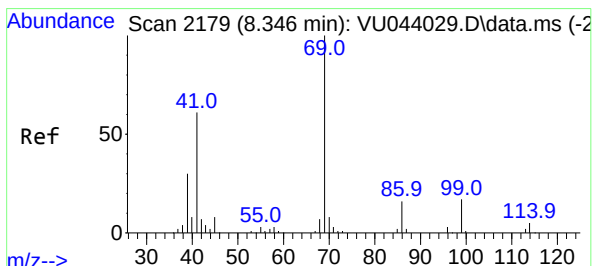
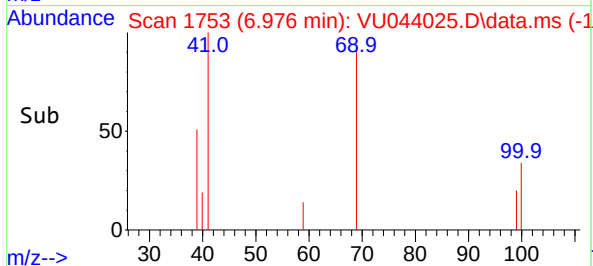
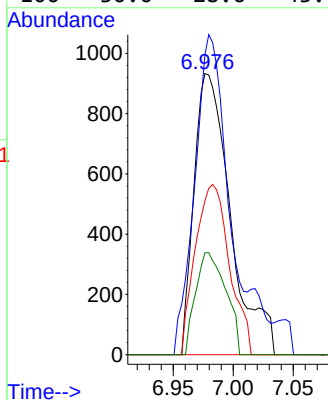
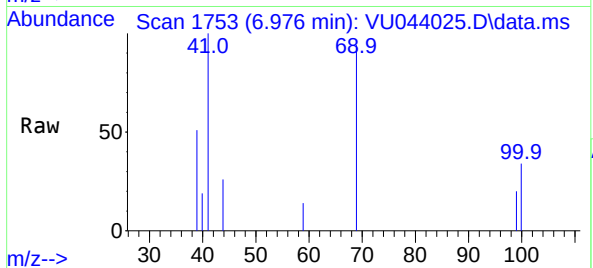
Methyl methacrylate  
Concen: 0.756 ug/l  
RT: 6.976 min Scan# 1753  
Delta R.T. -0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 1976  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 101.3 | 0.0   | 212.4 |
| 39       | 56.6  | 44.2  | 66.2  |
| 100      | 30.0  | 28.6  | 43.0  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

Manual Integrations  
APPROVED

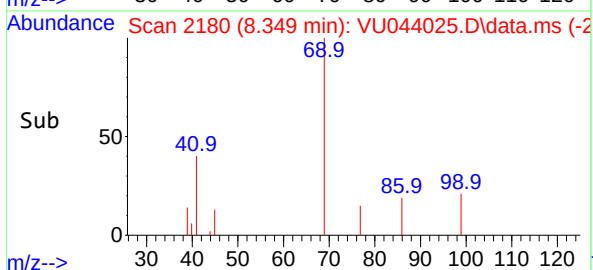
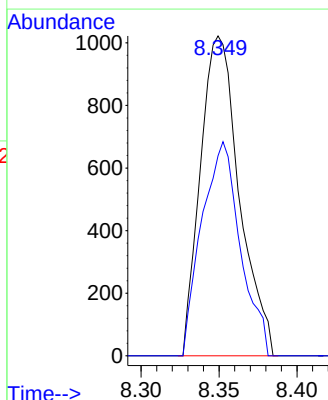
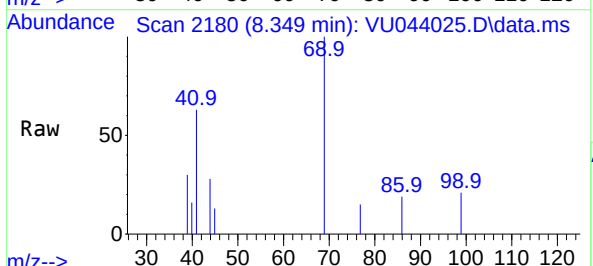
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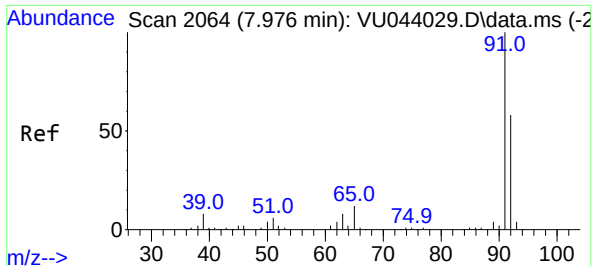


#48

Ethyl methacrylate  
Concen: 0.347 ug/l  
RT: 8.349 min Scan# 2180  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 1775  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.2  | 30.3  | 90.9  |





#49

Toluene

Concen: 0.437 ug/l

RT: 7.976 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VU044025.D

Acq: 02 Jun 2021 13:55

Tgt Ion: 92 Resp: 5221

Ion Ratio Lower Upper

92 100

91 178.9 138.5 207.7

Instrument :

MSVOA\_U

ClientSampleId :

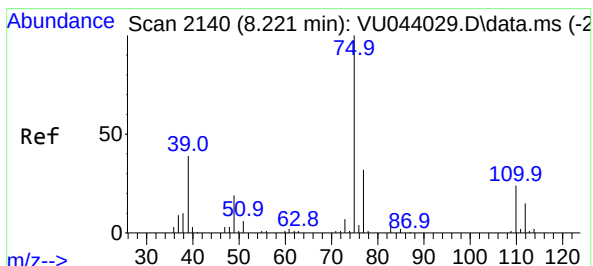
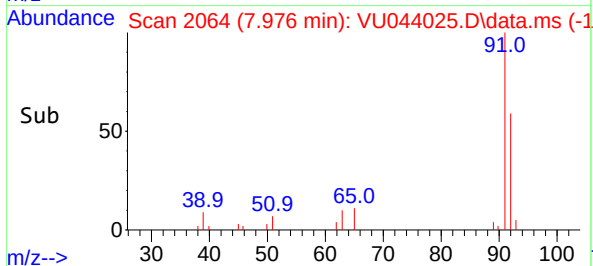
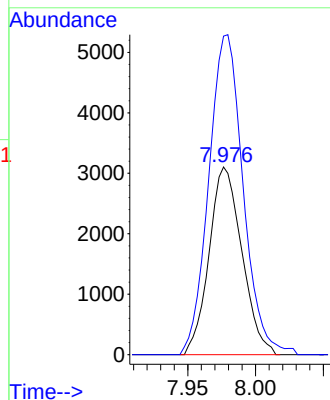
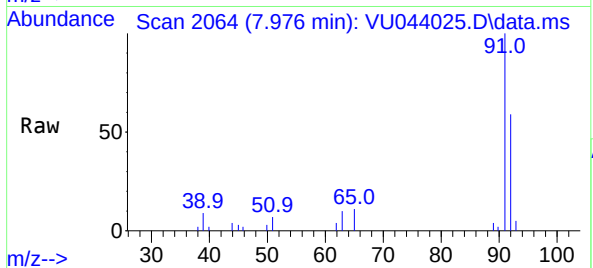
VSTDIC0.5

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.466 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. -0.000 min

Lab File: VU044025.D

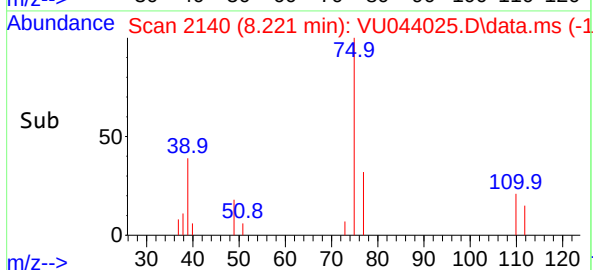
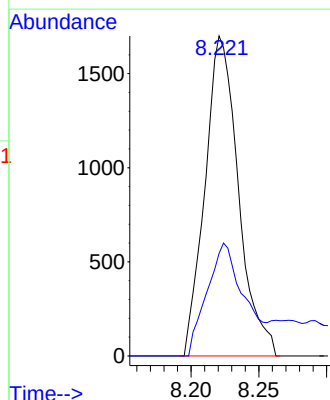
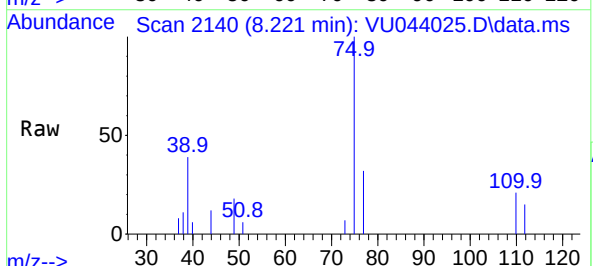
Acq: 02 Jun 2021 13:55

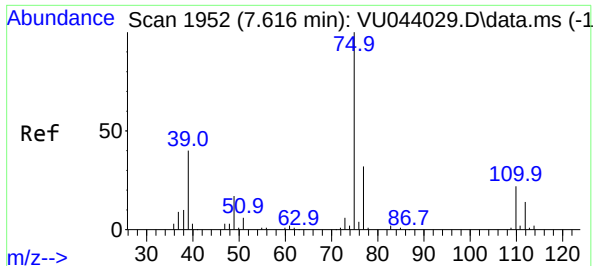
Tgt Ion: 75 Resp: 2912

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0





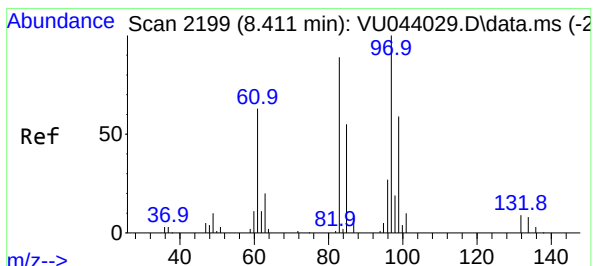
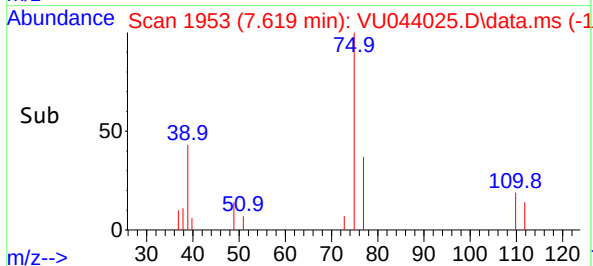
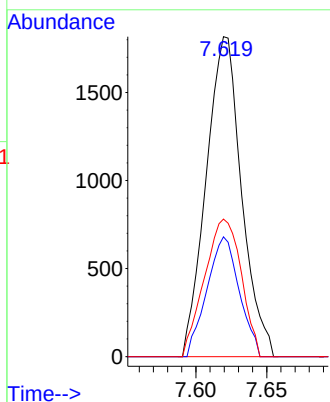
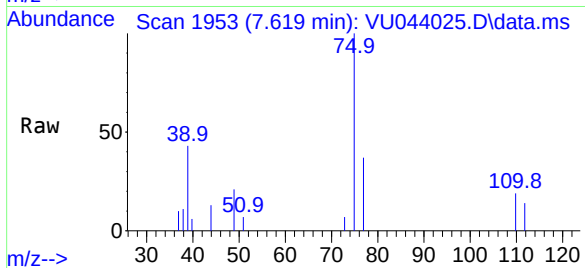
#51  
cis-1,3-Dichloropropene  
Concen: 0.448 ug/l  
RT: 7.619 min Scan# 1953  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3154  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.4  | 25.6  | 38.4  |
| 39       | 43.0  | 32.2  | 48.2  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

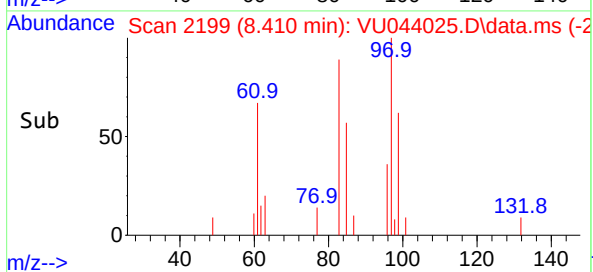
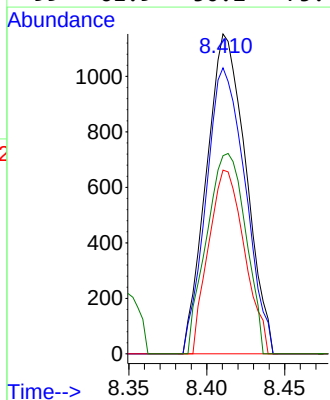
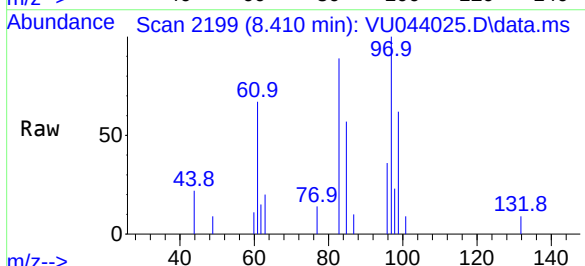
Manual Integrations  
APPROVED

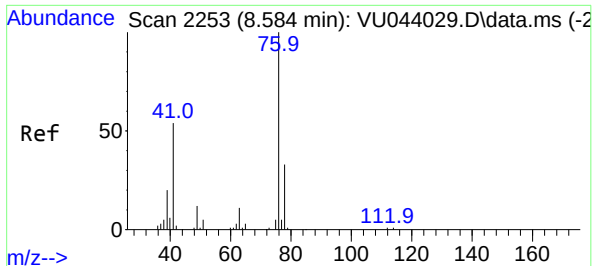
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#52  
1,1,2-Trichloroethane  
Concen: 0.489 ug/l  
RT: 8.410 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2030  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.4  | 71.2  | 106.8 |
| 85       | 57.4  | 44.7  | 67.1  |
| 99       | 61.9  | 50.2  | 75.4  |





#53

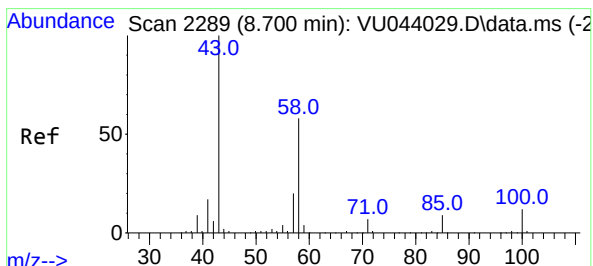
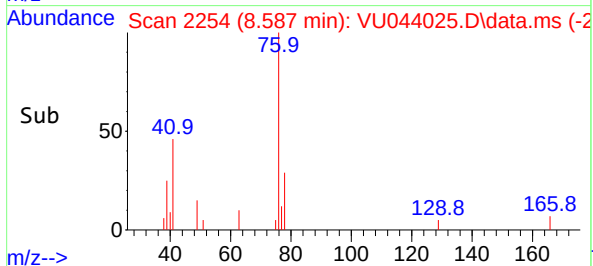
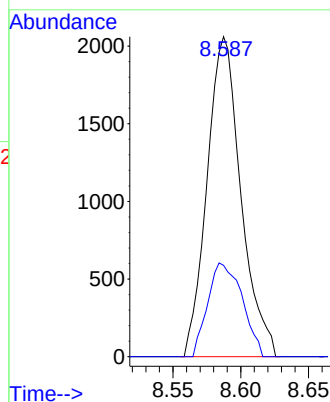
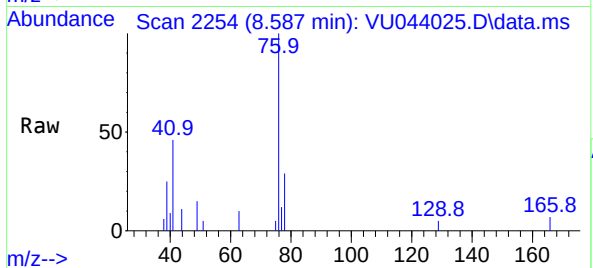
1,3-Dichloropropane  
Concen: 0.499 ug/l  
RT: 8.587 min Scan# 2254  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 76 Resp: 3574  
Ion Ratio Lower Upper  
76 100  
78 29.7 25.6 38.4

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

Manual Integrations  
APPROVED

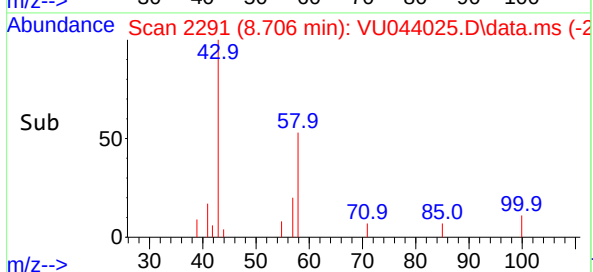
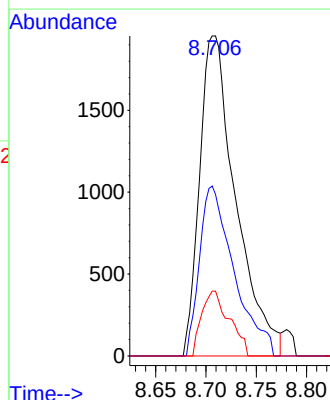
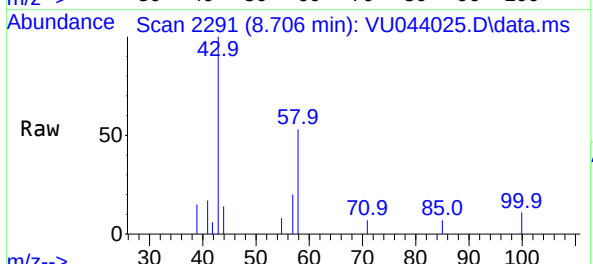
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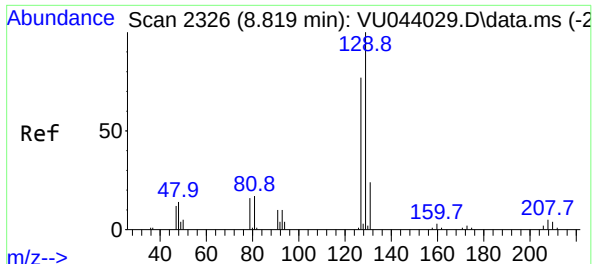


#54

2-Hexanone  
Concen: 1.616 ug/l  
RT: 8.706 min Scan# 2291  
Delta R.T. 0.006 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

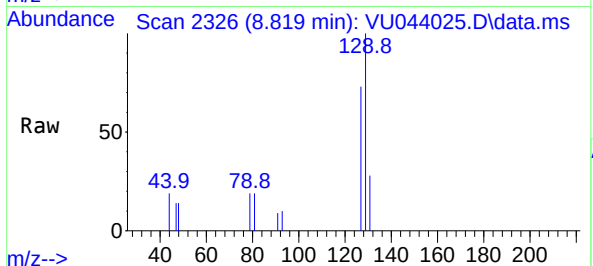
Tgt Ion: 43 Resp: 4890  
Ion Ratio Lower Upper  
43 100  
58 50.5 38.3 78.3  
57 15.4 0.0 39.4





#55  
Dibromochloromethane  
Concen: 0.448 ug/l  
RT: 8.819 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

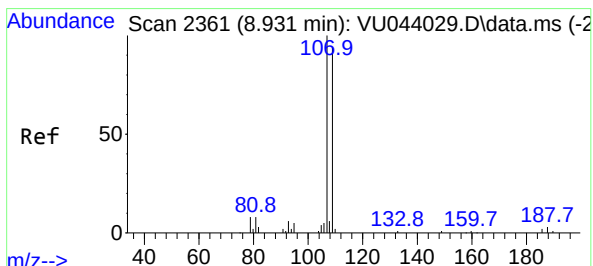
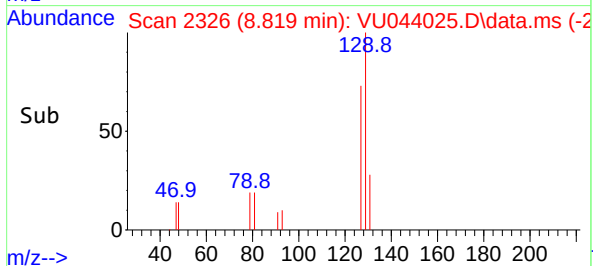
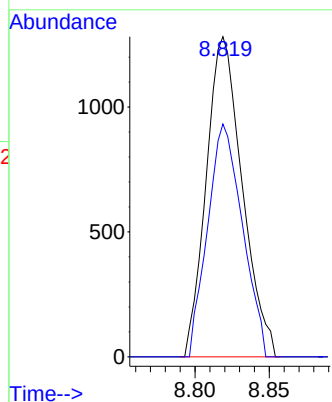
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



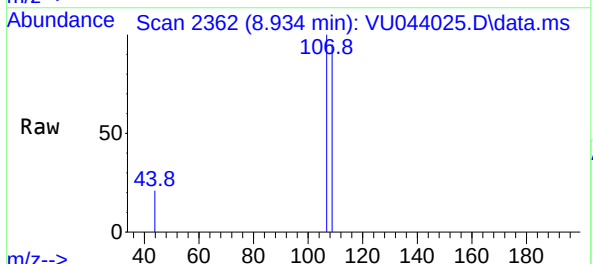
Tgt Ion:129 Resp: 2159  
Ion Ratio Lower Upper  
129 100  
127 70.2 62.3 93.5

Manual Integrations  
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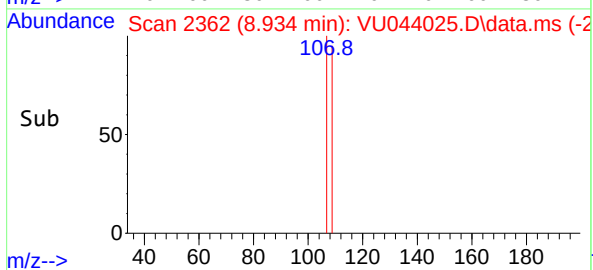
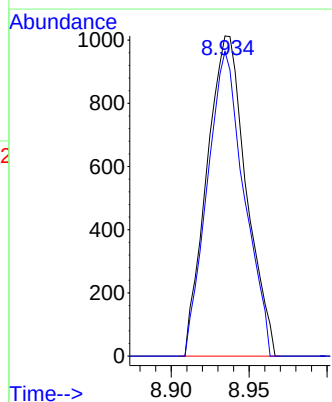
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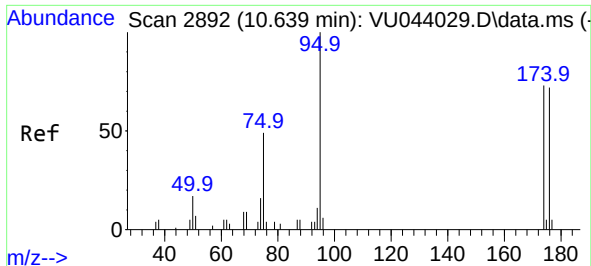


#56  
1,2-Dibromoethane  
Concen: 0.441 ug/l  
RT: 8.934 min Scan# 2362  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



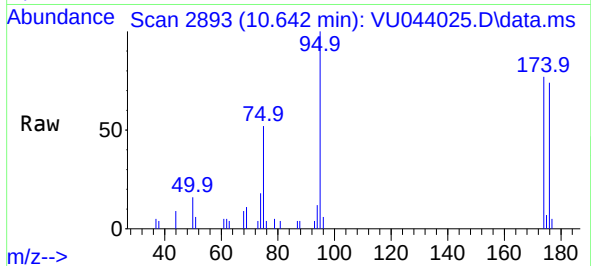
Tgt Ion:107 Resp: 1782  
Ion Ratio Lower Upper  
107 100  
109 88.9 0.0 189.4





#57  
4-Bromofluorobenzene  
Concen: 0.677 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

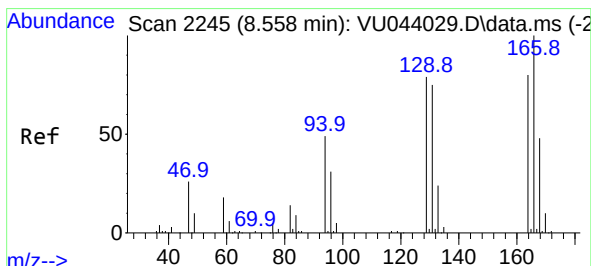
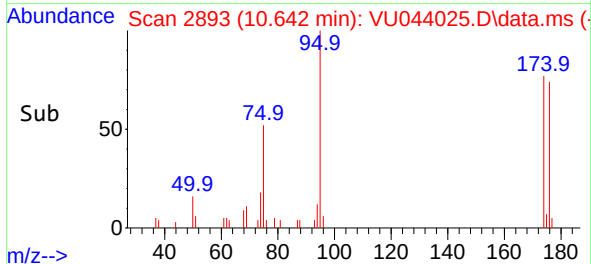
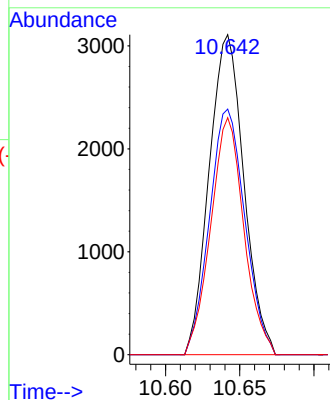
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5



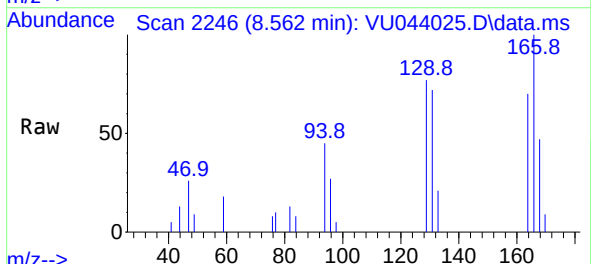
Tgt Ion: 95 Resp: 5053  
Ion Ratio Lower Upper  
95 100  
174 78.3 59.1 88.7  
176 70.8 56.4 84.6

Manual Integrations  
APPROVED

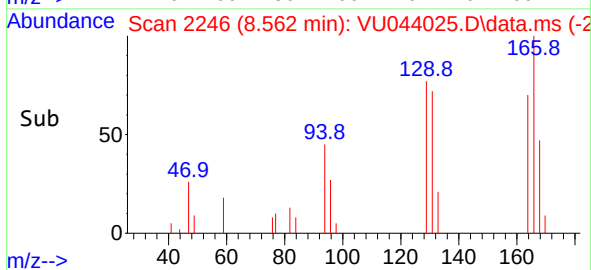
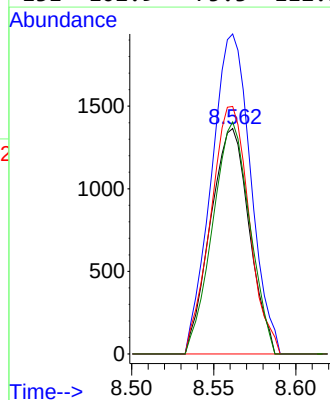
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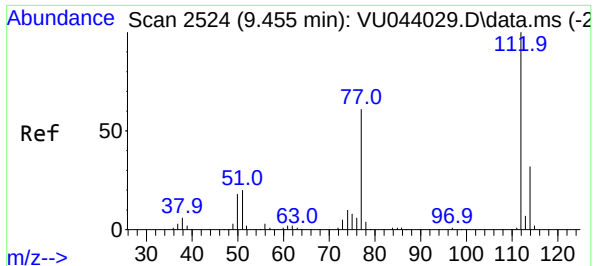


#58  
Tetrachloroethene  
Concen: 0.411 ug/l  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion: 164 Resp: 2244  
Ion Ratio Lower Upper  
164 100  
166 141.9 99.9 149.9  
129 109.7 78.8 118.2  
131 102.9 75.3 112.9





#59

Chlorobenzene

Concen: 0.457 ug/l

RT: 9.455 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU044025.D

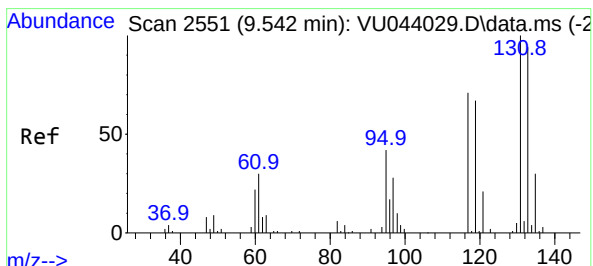
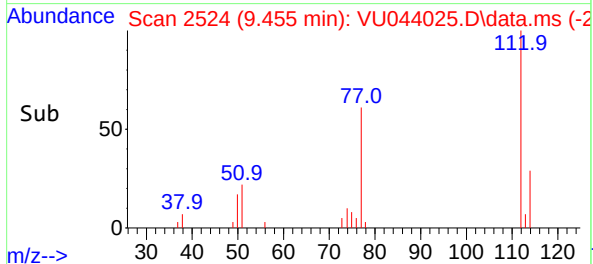
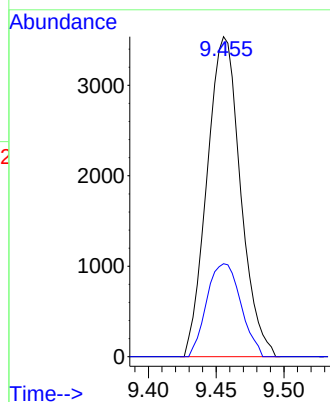
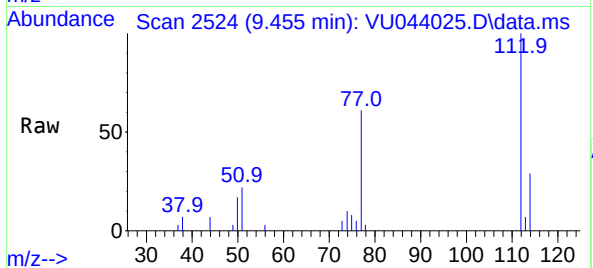
Acq: 02 Jun 2021 13:55

Tgt Ion:112 Resp: 6073

Ion Ratio Lower Upper

112 100

114 29.1 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 0.472 ug/l

RT: 9.542 min Scan# 2551

Delta R.T. -0.000 min

Lab File: VU044025.D

Acq: 02 Jun 2021 13:55

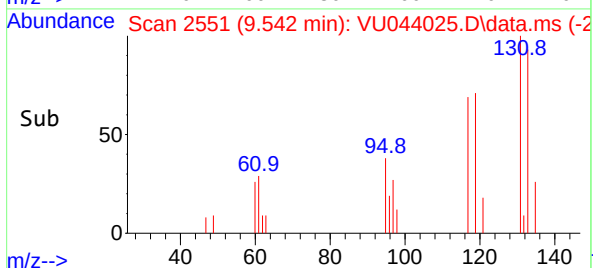
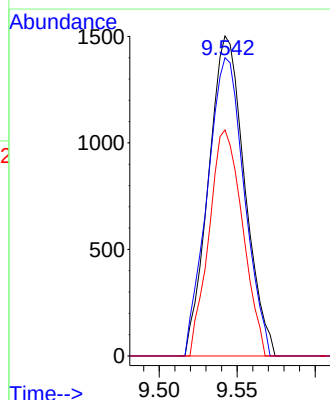
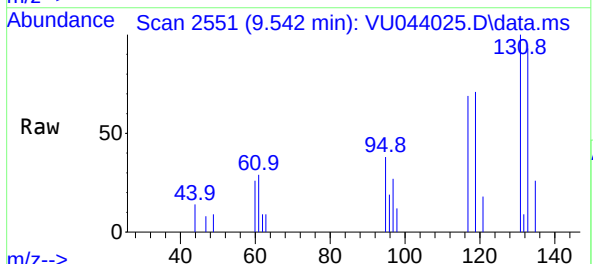
Tgt Ion:131 Resp: 2419

Ion Ratio Lower Upper

131 100

133 95.2 75.8 113.8

119 65.4 53.4 80.2



Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

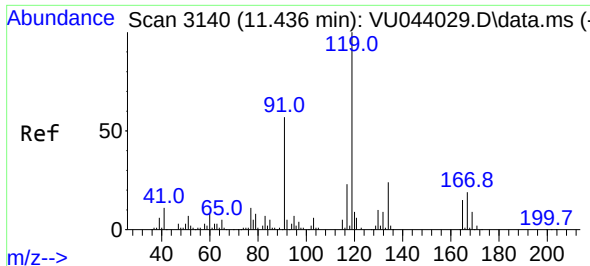
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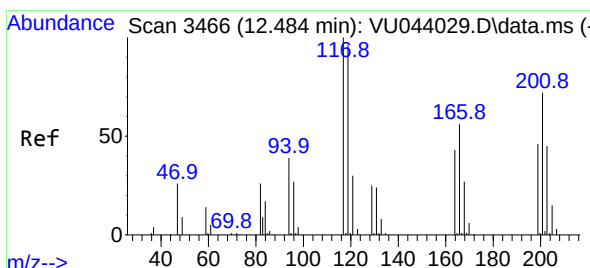
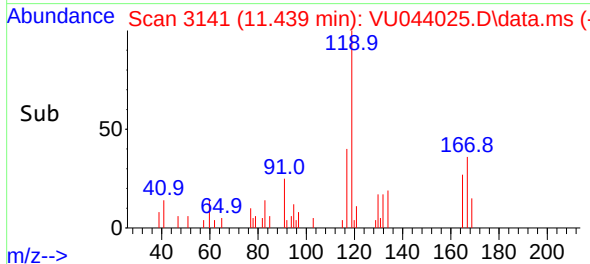
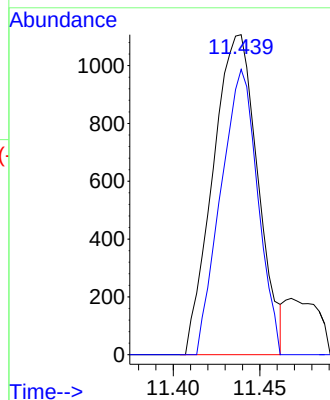
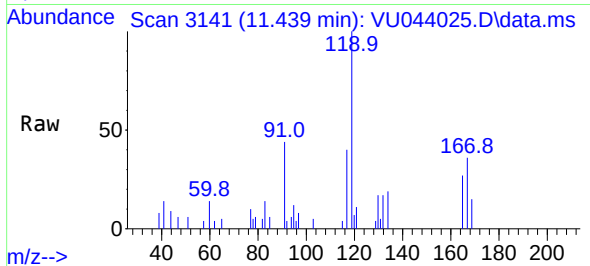
#61  
Pentachloroethane  
Concen: 0.505 ug/l  
RT: 11.439 min Scan# 3141  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

Tgt Ion:117 Resp: 1995  
Ion Ratio Lower Upper  
117 100  
167 73.3 60.4 90.6

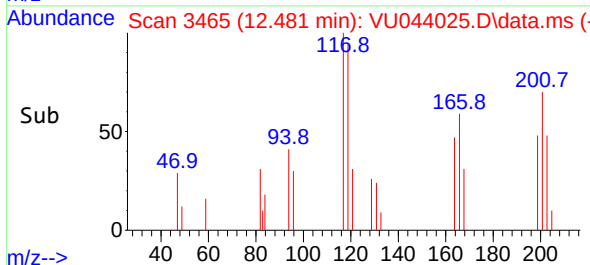
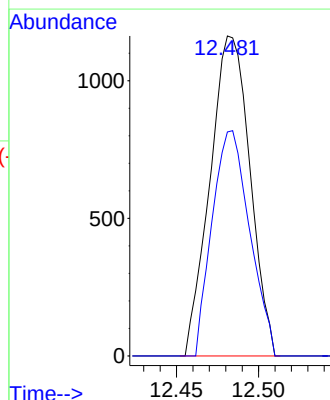
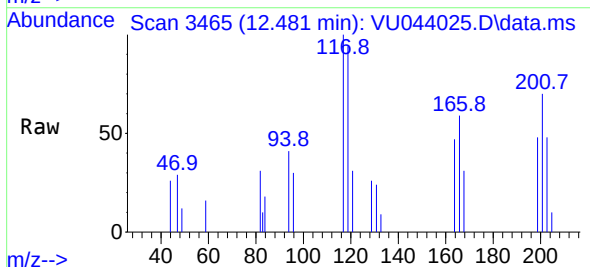
Manual Integrations  
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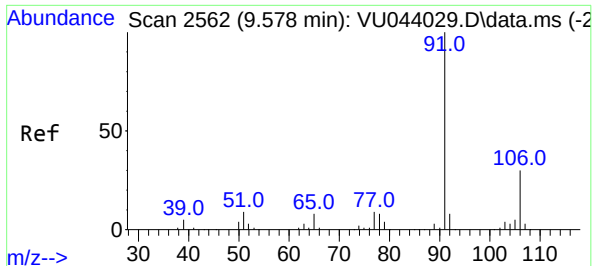
SAM  
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#62  
Hexachloroethane  
Concen: 0.486 ug/l  
RT: 12.481 min Scan# 3465  
Delta R.T. -0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion:117 Resp: 1968  
Ion Ratio Lower Upper  
117 100  
201 66.0 57.1 85.7





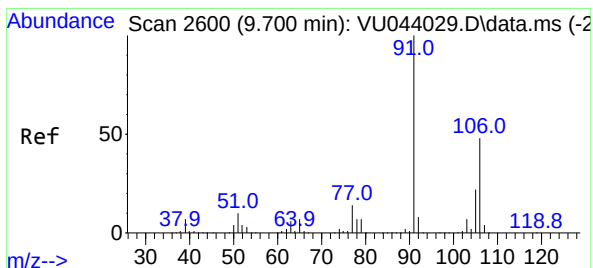
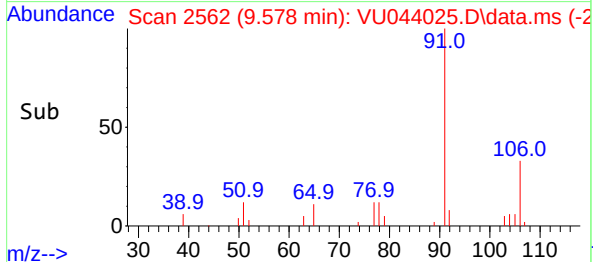
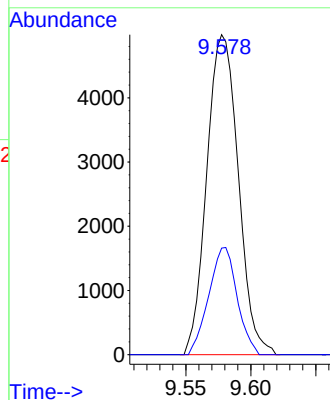
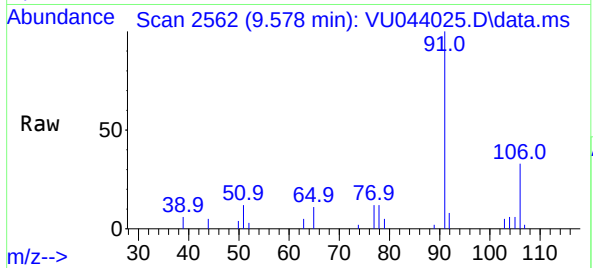
#63  
Ethyl Benzene  
Concen: 0.371 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 8401 |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 106       | 33.3  | 24.2  | 36.4 |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

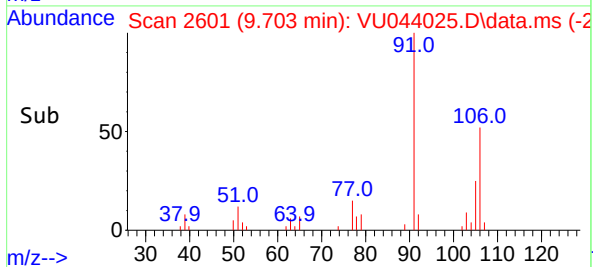
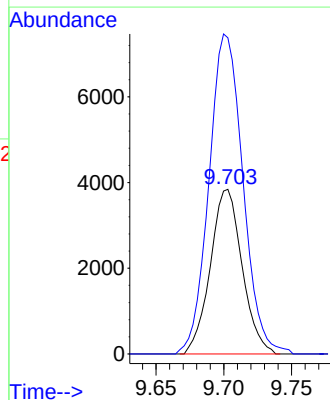
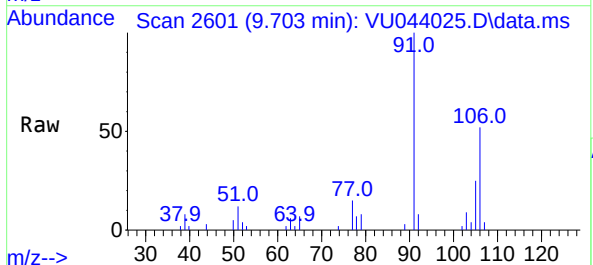
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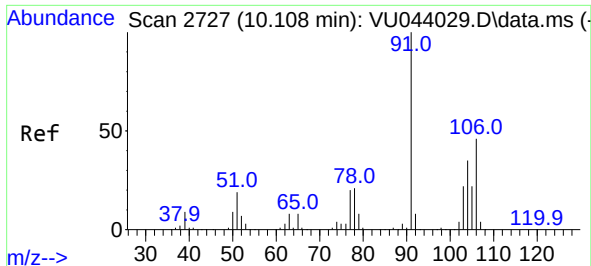
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#64  
m/p-Xylenes  
Concen: 0.714 ug/l  
RT: 9.703 min Scan# 2601  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 106   | Resp: | 6267  |
| Ion Ratio | Lower | Upper |       |
| 106       | 100   |       |       |
| 91        | 207.8 | 165.4 | 248.2 |





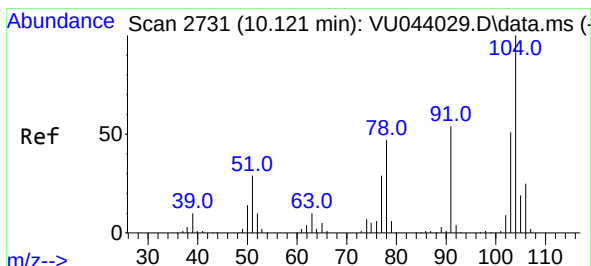
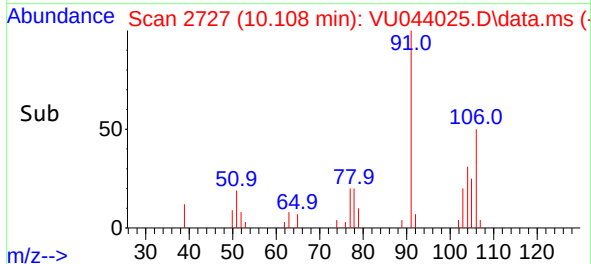
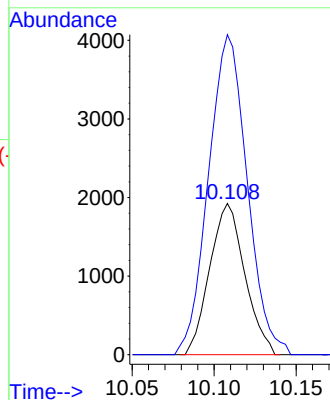
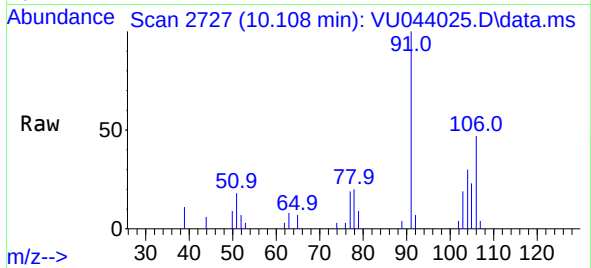
#65  
o-Xylene  
Concen: 0.339 ug/l  
RT: 10.108 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

Tgt Ion:106 Resp: 2858  
Ion Ratio Lower Upper  
106 100  
91 233.3 109.3 328.1

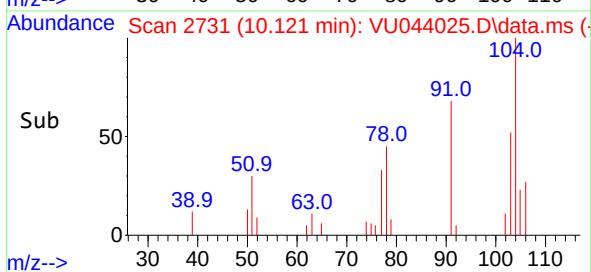
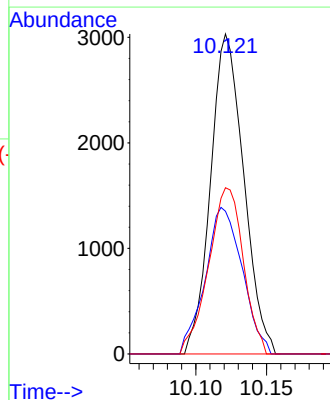
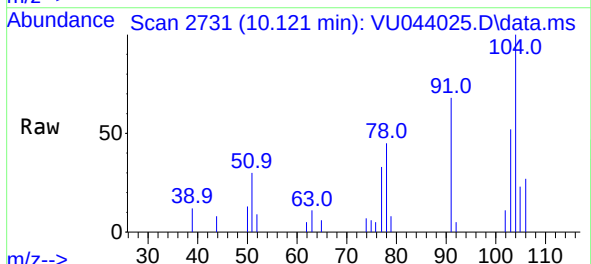
Manual Integrations  
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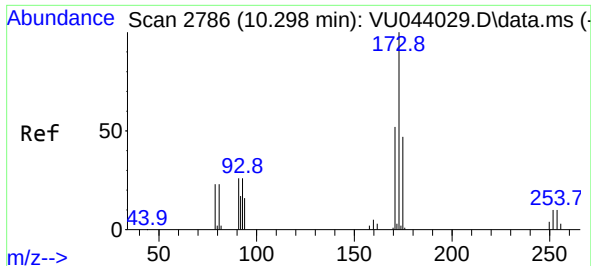
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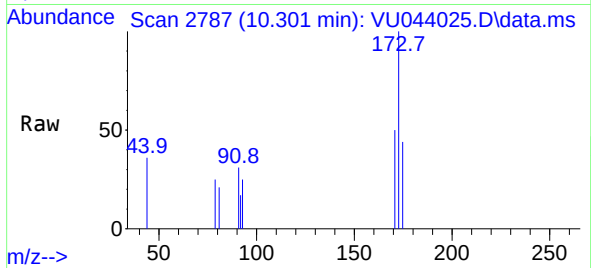
#66  
Styrene  
Concen: 0.341 ug/l  
RT: 10.121 min Scan# 2731  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion:104 Resp: 4934  
Ion Ratio Lower Upper  
104 100  
78 51.2 40.6 61.0  
103 54.3 43.4 65.0

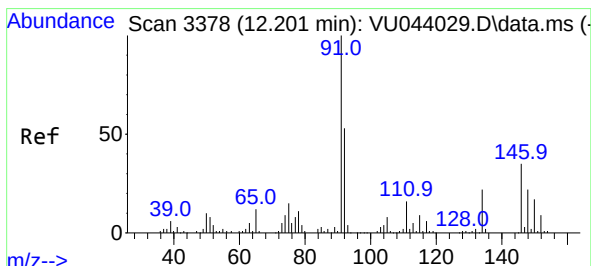
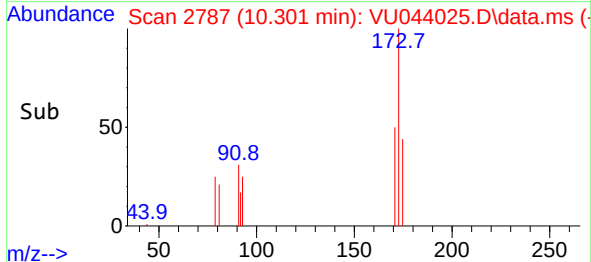
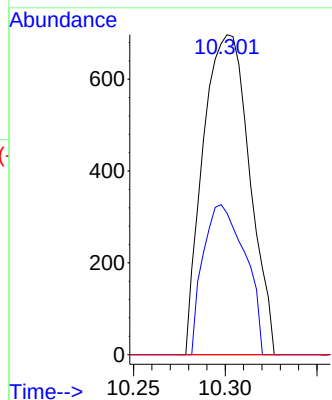




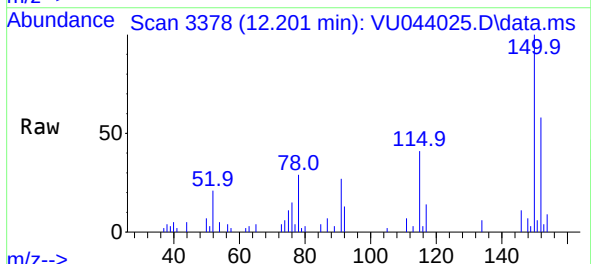
#67  
Bromoform  
Concen: 0.404 ug/l  
RT: 10.301 min Scan# 2787  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



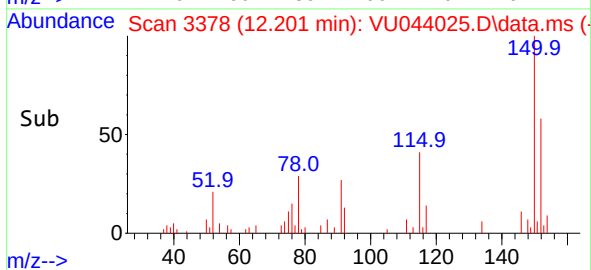
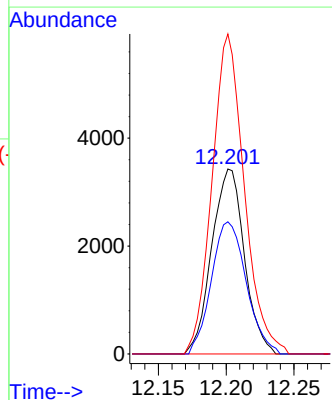
Tgt Ion:173 Resp: 1227  
Ion Ratio Lower Upper  
173 100  
175 42.4 37.8 56.6  
254 0.0 7.5 11.3#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.730 ug/l  
RT: 12.201 min Scan# 3378  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



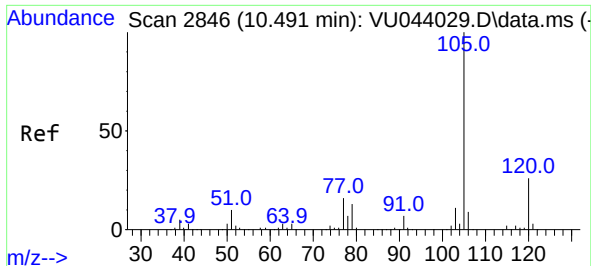
Tgt Ion:152 Resp: 5744  
Ion Ratio Lower Upper  
152 100  
115 76.5 0.0 320.6  
150 170.8 0.0 687.2



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Manual Integrations  
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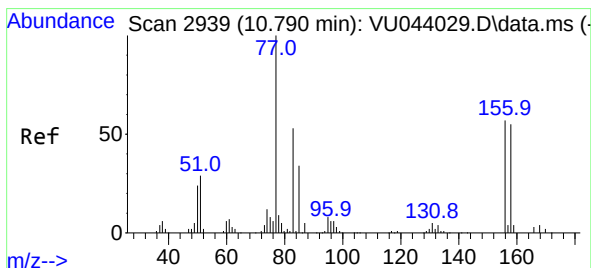
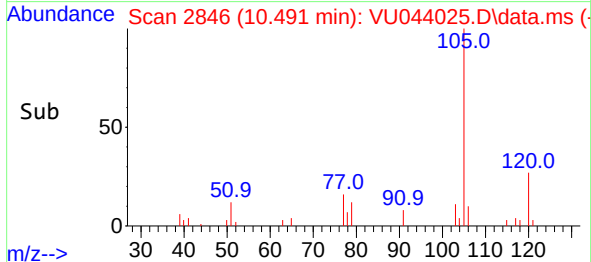
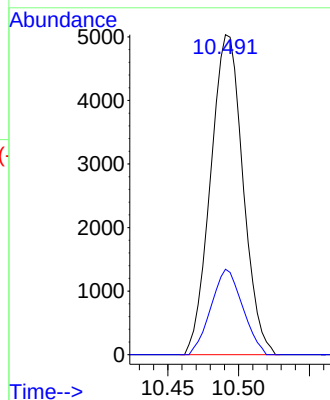
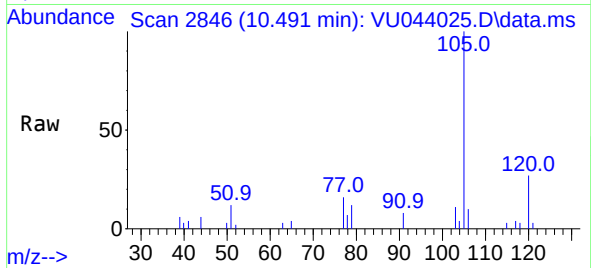
#69  
Isopropylbenzene  
Concen: 0.351 ug/l  
RT: 10.491 min Scan# 2846  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 105 Resp: 8006  
Ion Ratio Lower Upper  
105 100  
120 26.0 12.7 38.1

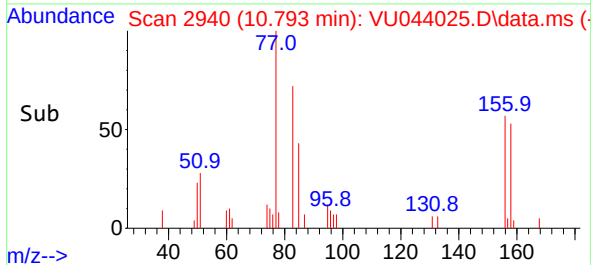
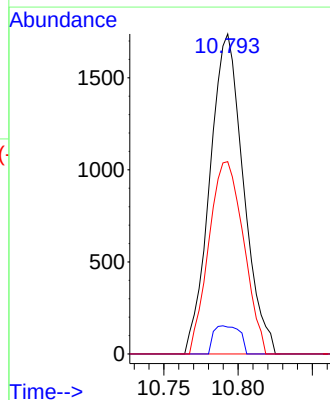
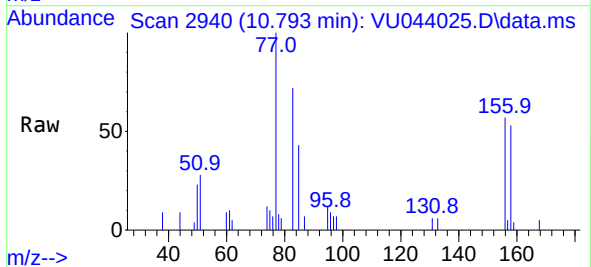
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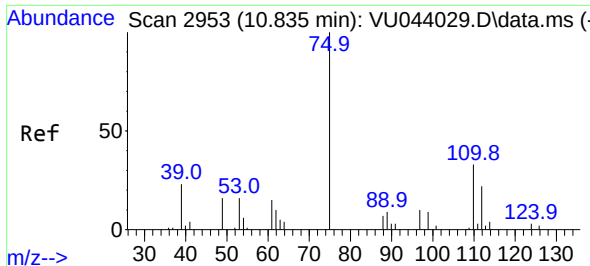
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#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.506 ug/l  
RT: 10.793 min Scan# 2940  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 83 Resp: 2736  
Ion Ratio Lower Upper  
83 100  
131 6.8 7.4 11.2#  
85 62.1 51.5 77.3





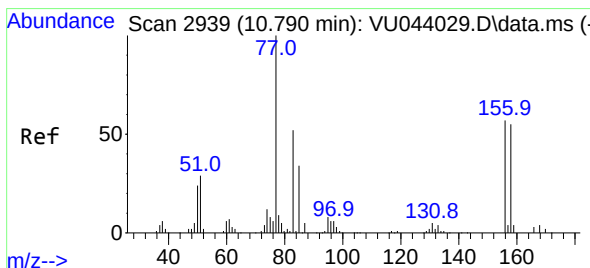
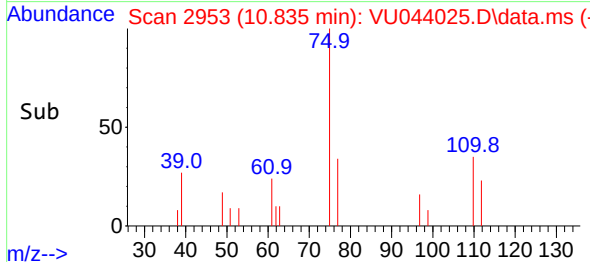
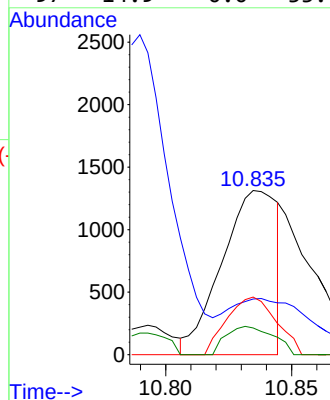
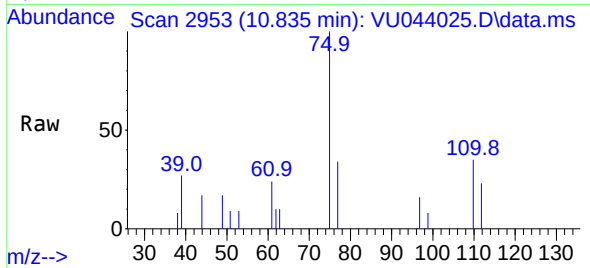
#71  
1,2,3-Trichloropropane  
Concen: 0.468 ug/l m  
RT: 10.835 min Scan# 2953  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1993  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 49.8  | 0.0   | 96.0  |
| 110      | 31.7  | 0.0   | 66.2  |
| 97       | 14.9  | 0.0   | 33.4  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

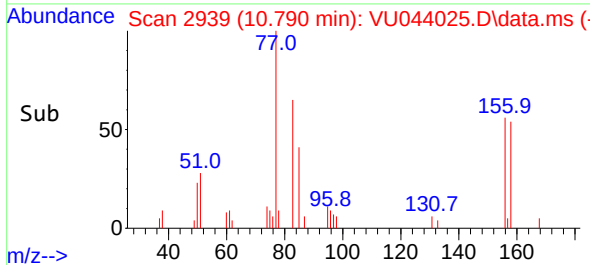
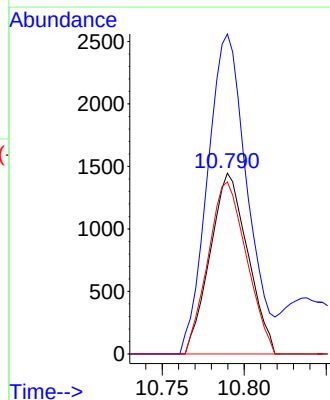
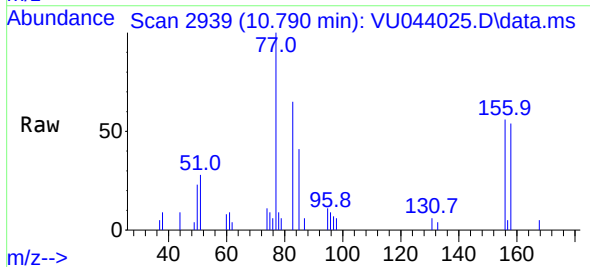
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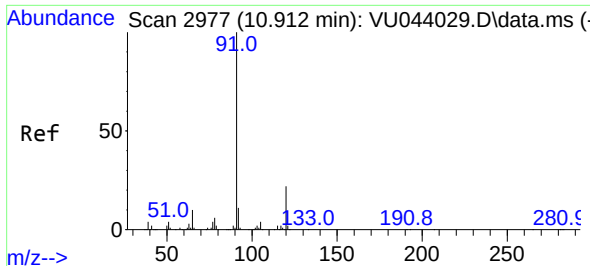
SAM  
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#72  
Bromobenzene  
Concen: 0.368 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 2299  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 186.5 | 0.0   | 357.8 |
| 158      | 97.2  | 0.0   | 196.4 |





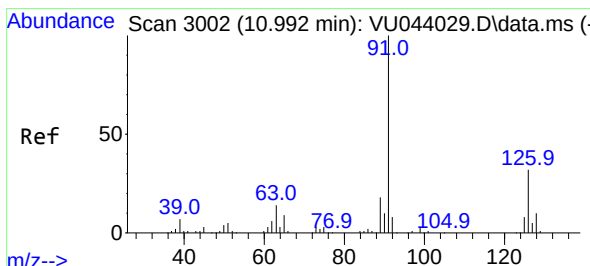
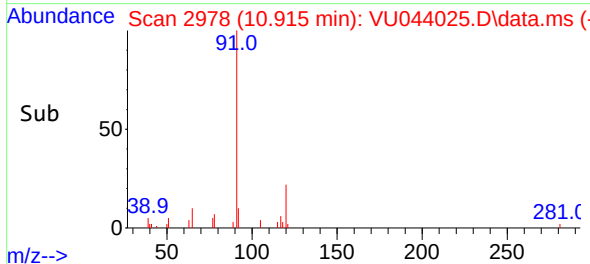
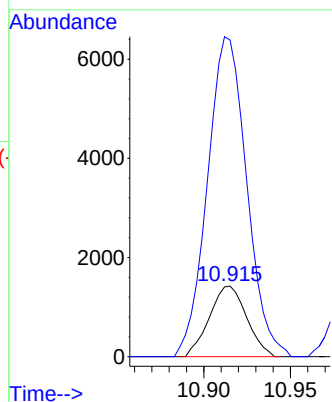
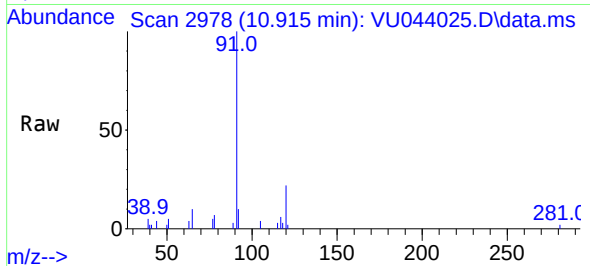
#73  
n-propylbenzene  
Concen: 0.333 ug/l  
RT: 10.915 min Scan# 2978  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:120 Resp: 2126  
Ion Ratio Lower Upper  
120 100  
91 478.3 363.8 545.6

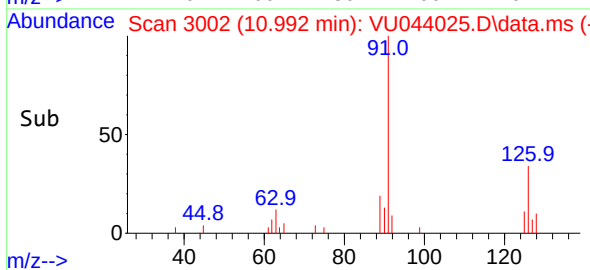
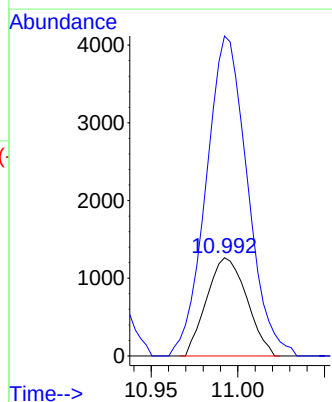
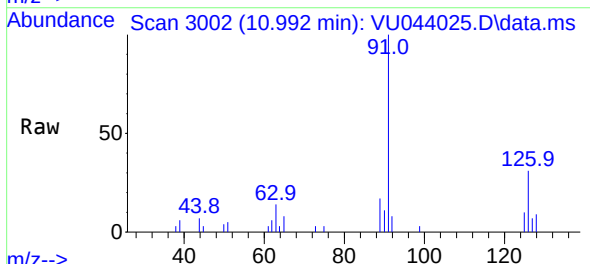
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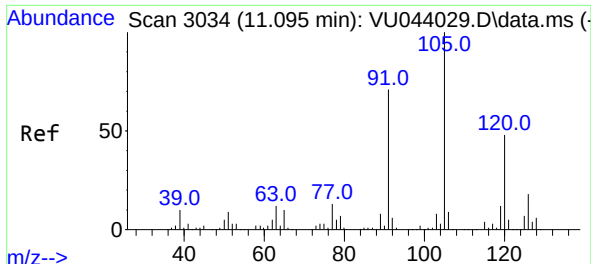
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#74  
2-Chlorotoluene  
Concen: 0.351 ug/l  
RT: 10.992 min Scan# 3002  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

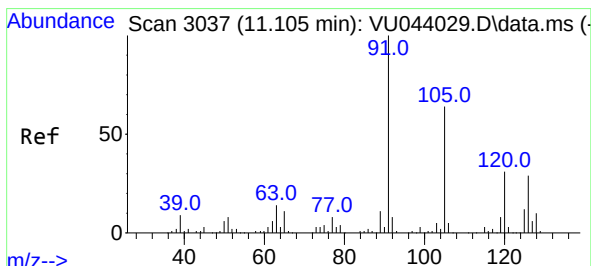
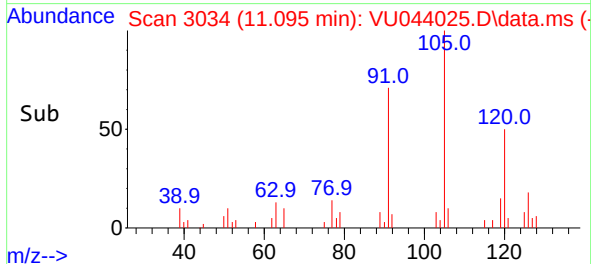
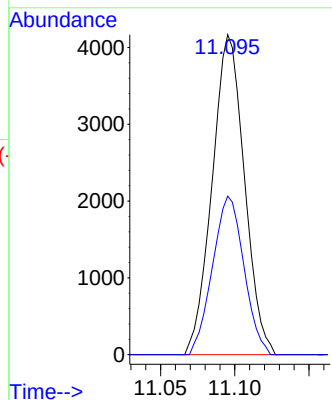
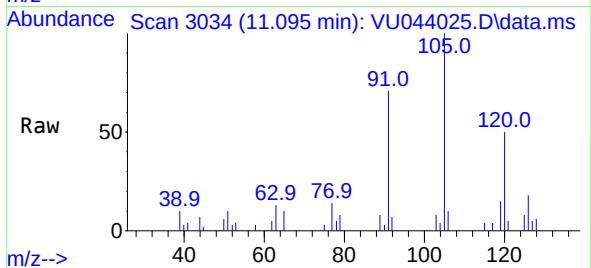
Tgt Ion:126 Resp: 2030  
Ion Ratio Lower Upper  
126 100  
91 336.5 0.0 619.4





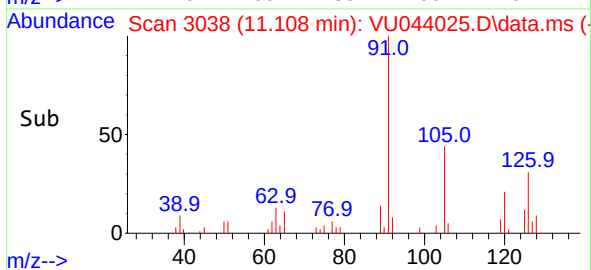
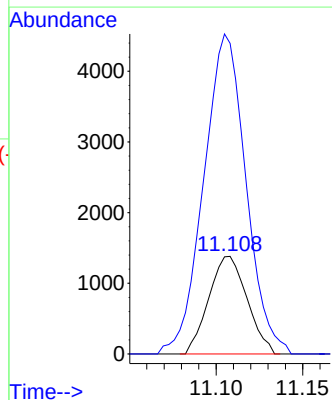
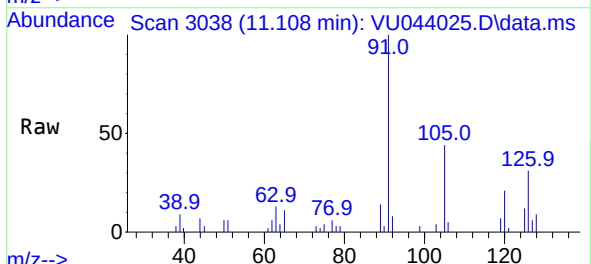
#75  
1,3,5-Trimethylbenzene  
Concen: 0.309 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion:105 Resp: 6288  
Ion Ratio Lower Upper  
105 100  
120 48.2 38.4 57.6



#76  
4-Chlorotoluene  
Concen: 0.347 ug/l  
RT: 11.108 min Scan# 3038  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion:126 Resp: 2122  
Ion Ratio Lower Upper  
126 100  
91 362.0 0.0 705.0

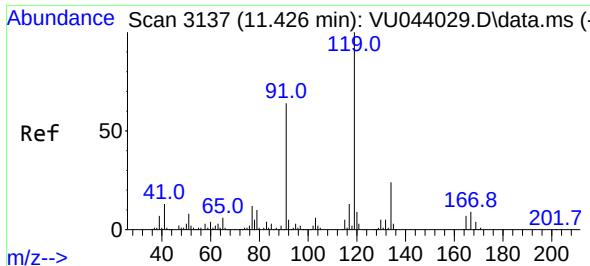


Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

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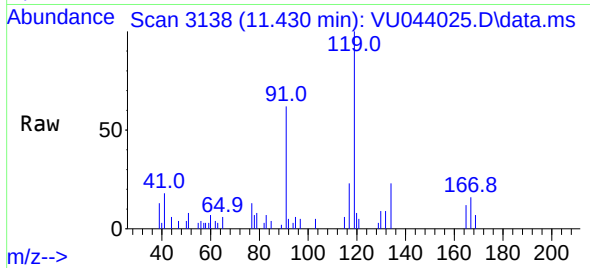
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#77  
tert-Butylbenzene  
Concen: 0.352 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
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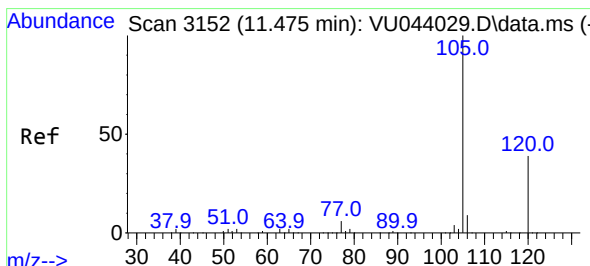
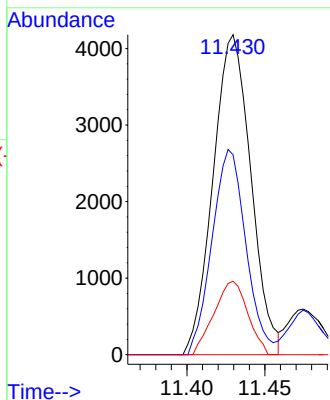
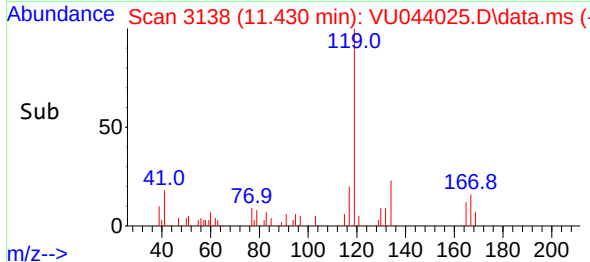
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ClientSampled :  
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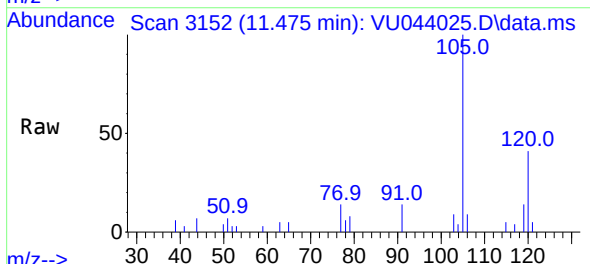
Tgt Ion:119 Resp: 7055  
Ion Ratio Lower Upper  
119 100  
91 57.4 30.4 91.3  
134 20.5 18.8 28.2

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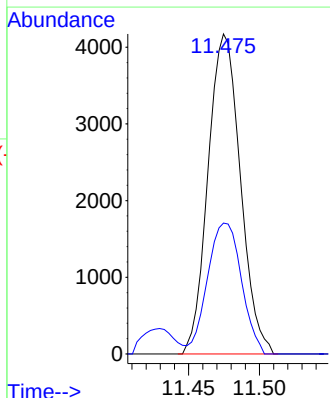
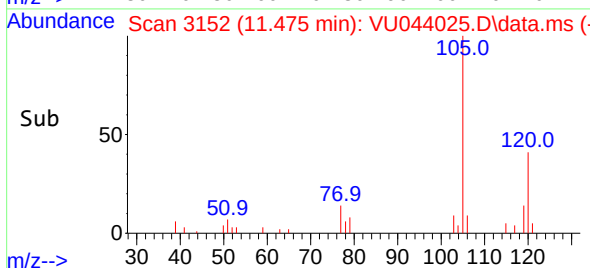
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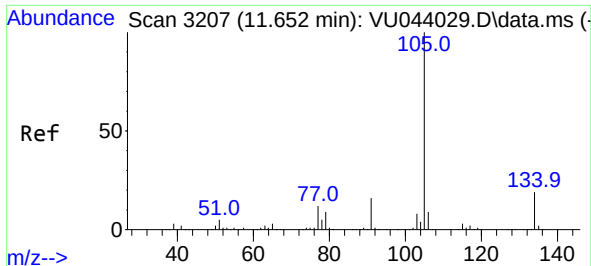


#78  
1,2,4-Trimethylbenzene  
Concen: 0.315 ug/l  
RT: 11.475 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



Tgt Ion:105 Resp: 6619  
Ion Ratio Lower Upper  
105 100  
120 42.8 22.4 67.0





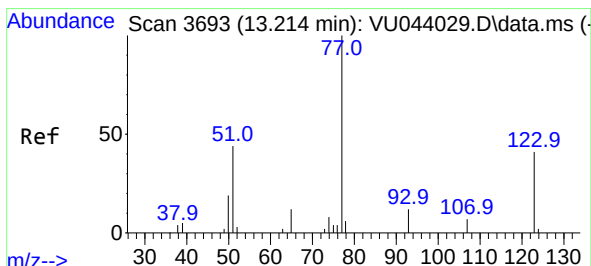
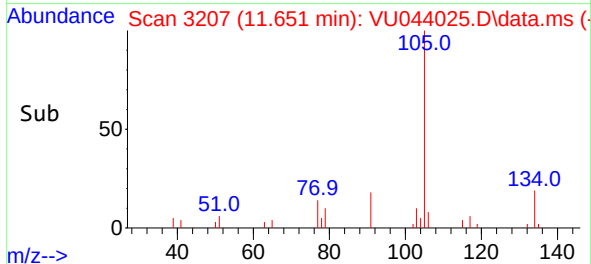
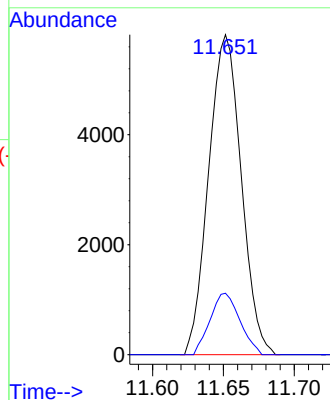
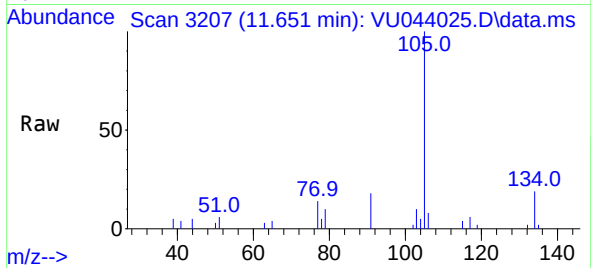
#79  
sec-Butylbenzene  
Concen: 0.342 ug/l  
RT: 11.651 min Scan# 3207  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

Tgt Ion:105 Resp: 9303  
Ion Ratio Lower Upper  
105 100  
134 17.6 15.2 22.8

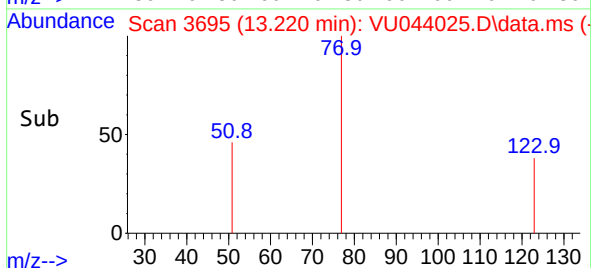
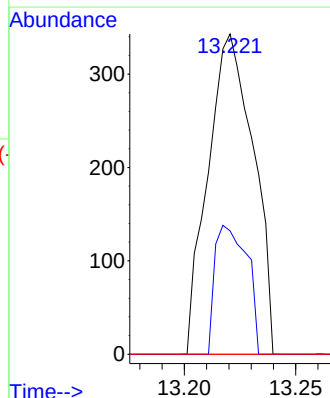
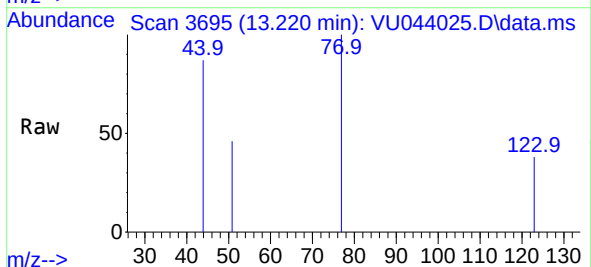
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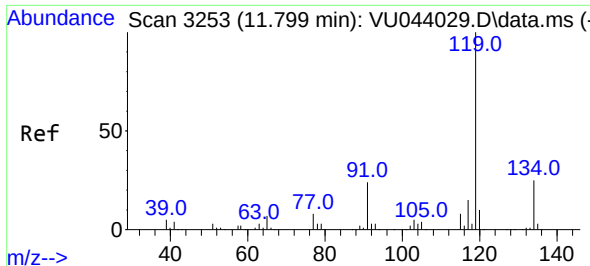
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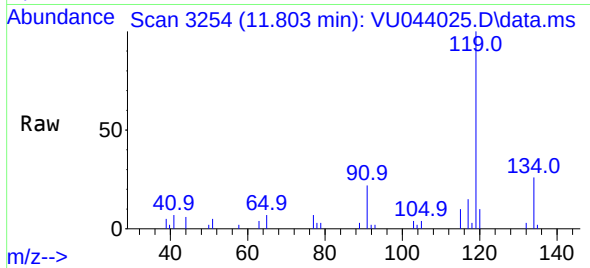
#80  
Nitrobenzene  
Concen: 3.341 ug/l  
RT: 13.220 min Scan# 3695  
Delta R.T. 0.006 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

Tgt Ion: 77 Resp: 486  
Ion Ratio Lower Upper  
77 100  
123 28.4 17.8 63.0  
65 0.0 9.9 12.7#

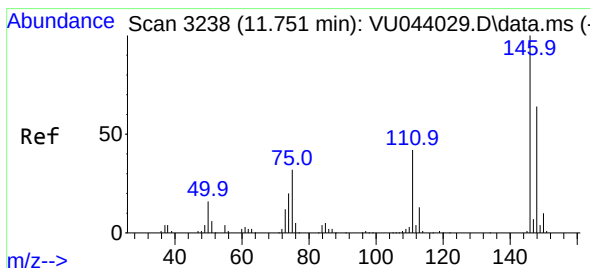
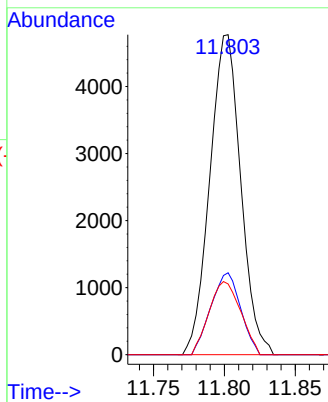
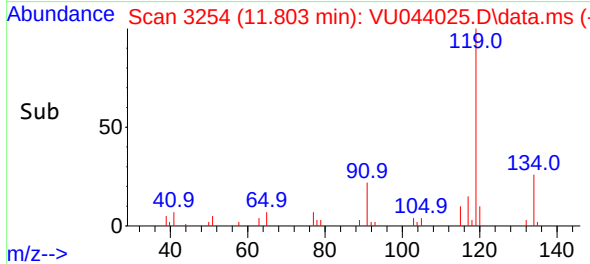




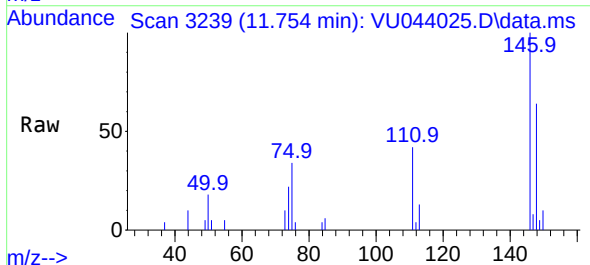
#81  
p-Isopropyltoluene  
Concen: 0.318 ug/l  
RT: 11.803 min Scan# 3254  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



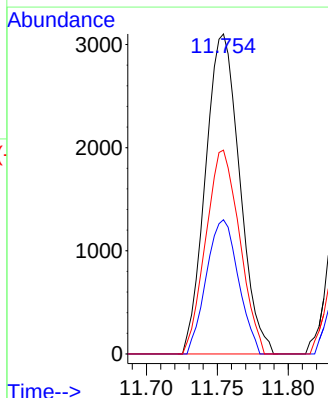
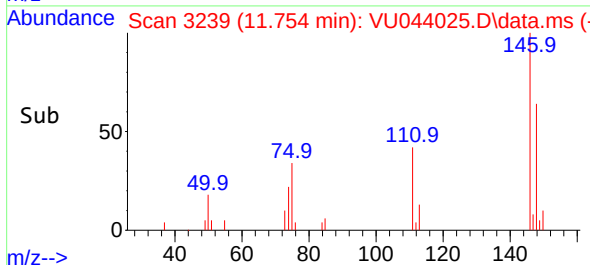
Tgt Ion:119 Resp: 7253  
Ion Ratio Lower Upper  
119 100  
134 24.6 20.6 30.8  
91 23.4 19.2 28.8



#82  
1,3-Dichlorobenzene  
Concen: 0.414 ug/l  
RT: 11.754 min Scan# 3239  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



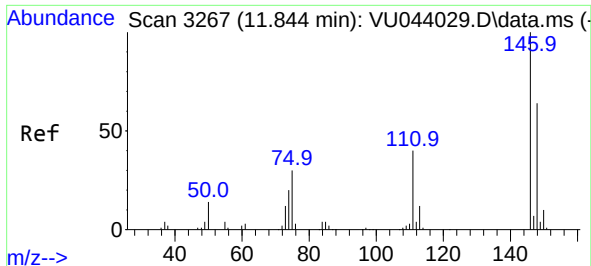
Tgt Ion:146 Resp: 5196  
Ion Ratio Lower Upper  
146 100  
111 39.3 33.2 49.8  
148 63.2 51.0 76.6



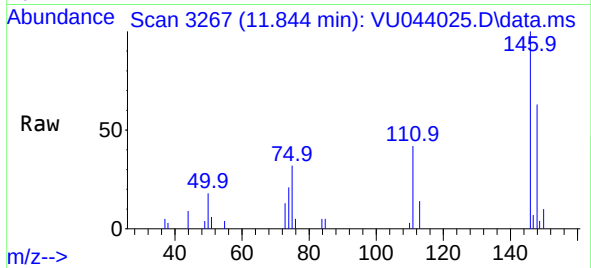
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

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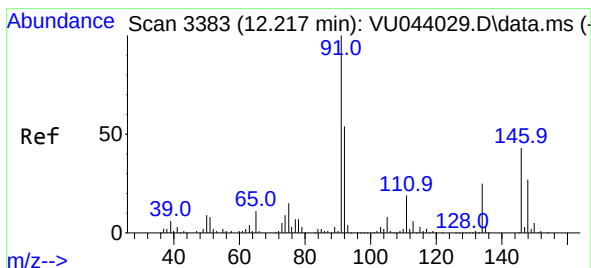
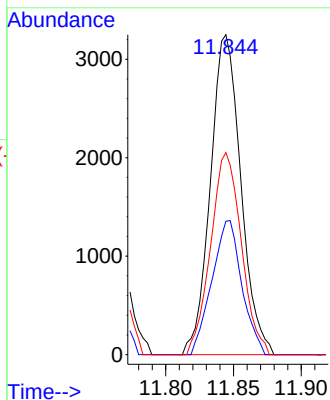
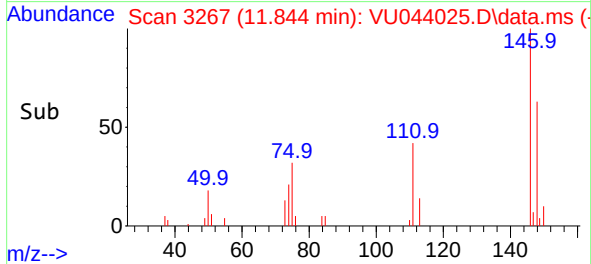
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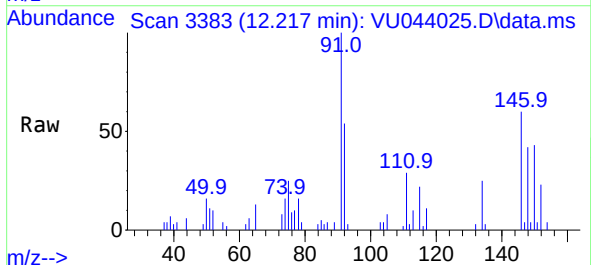
#83  
1,4-Dichlorobenzene  
Concen: 0.403 ug/l  
RT: 11.844 min Scan# 3267  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



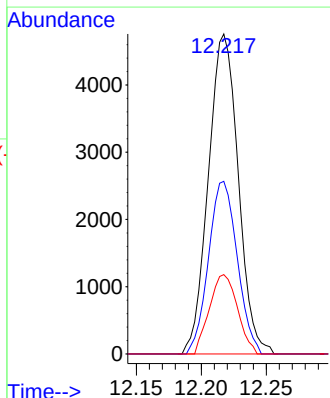
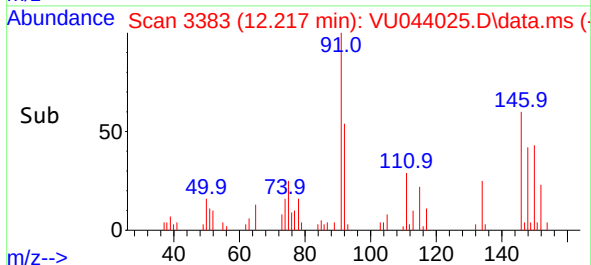
Tgt Ion:146 Resp: 5081  
Ion Ratio Lower Upper  
146 100  
111 41.1 31.9 47.9  
148 63.6 50.8 76.2



#84  
n-Butylbenzene  
Concen: 0.348 ug/l  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



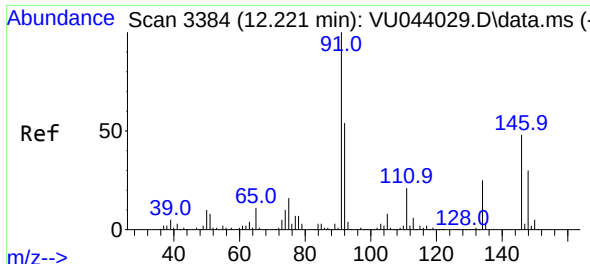
Tgt Ion: 91 Resp: 7615  
Ion Ratio Lower Upper  
91 100  
92 51.8 43.0 64.6  
134 23.2 19.3 28.9



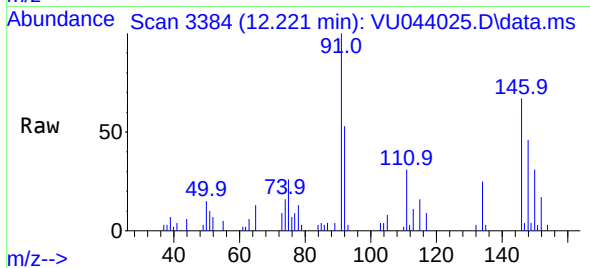
Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

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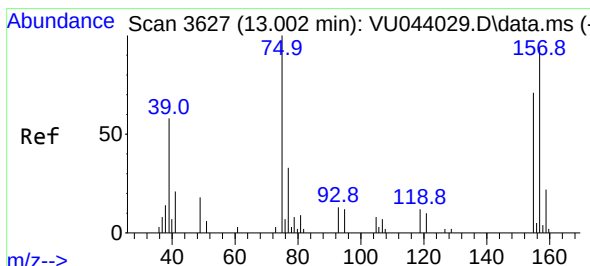
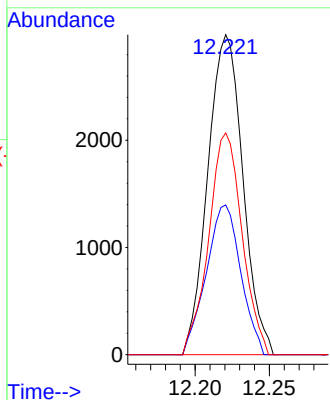
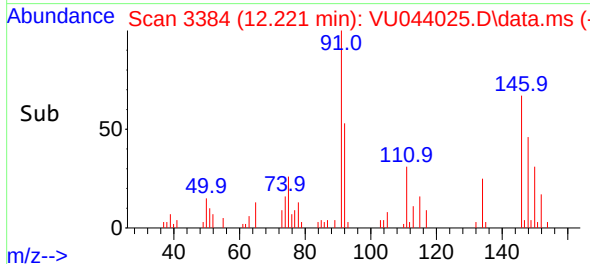
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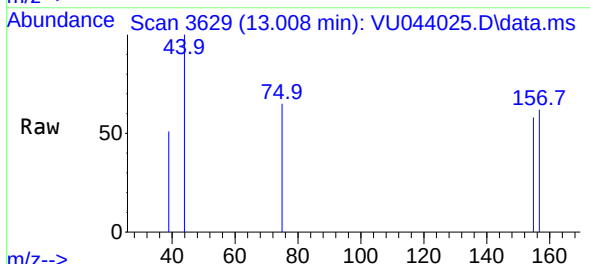
#85  
1,2-Dichlorobenzene  
Concen: 0.399 ug/l  
RT: 12.221 min Scan# 3384  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



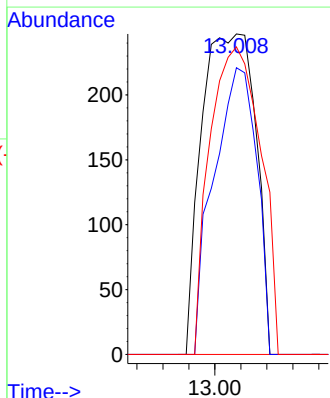
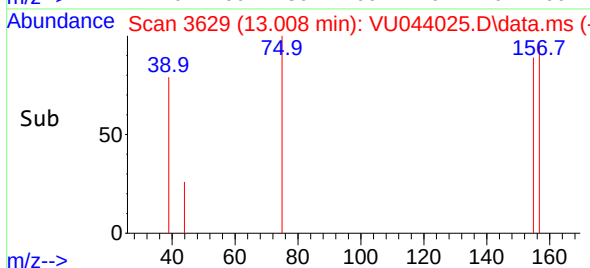
Tgt Ion: 146 Resp: 4903  
Ion Ratio Lower Upper  
146 100  
111 46.1 21.8 65.4  
148 66.1 31.8 95.4



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.367 ug/l  
RT: 13.008 min Scan# 3629  
Delta R.T. 0.006 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55



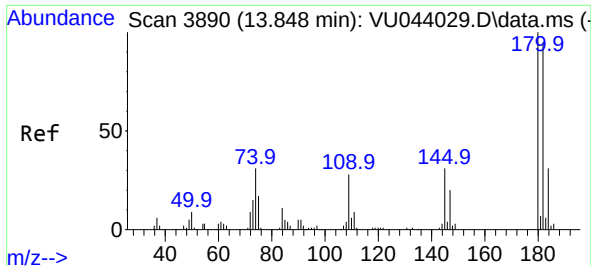
Tgt Ion: 75 Resp: 356  
Ion Ratio Lower Upper  
75 100  
155 71.1 59.6 89.4  
157 90.4 76.6 114.8



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

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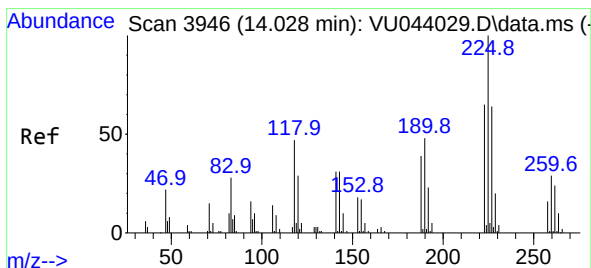
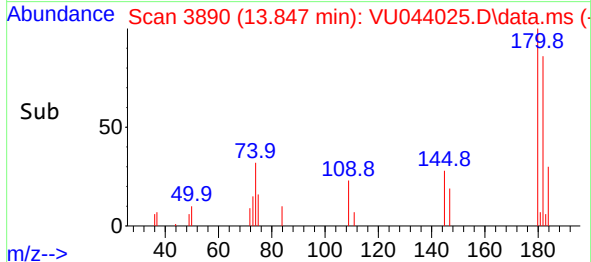
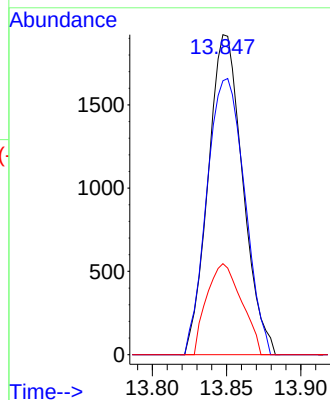
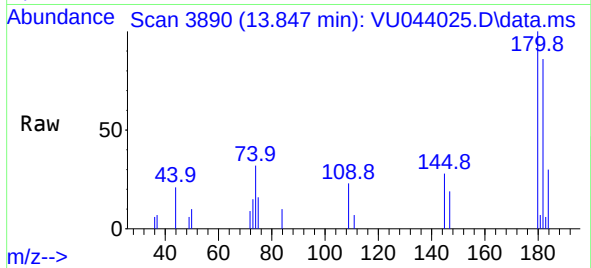
#87  
1,2,4-Trichlorobenzene  
Concen: 0.387 ug/l  
RT: 13.847 min Scan# 3890  
Delta R.T. -0.000 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3115  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.2  | 75.4  | 113.2 |
| 145      | 28.6  | 24.7  | 37.1  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDIC0.5

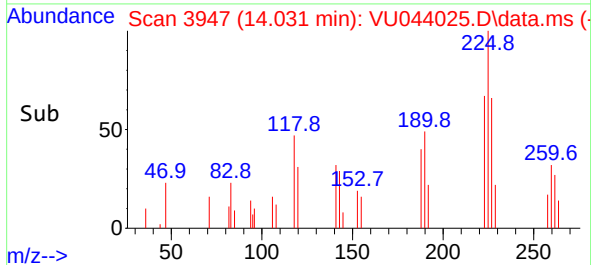
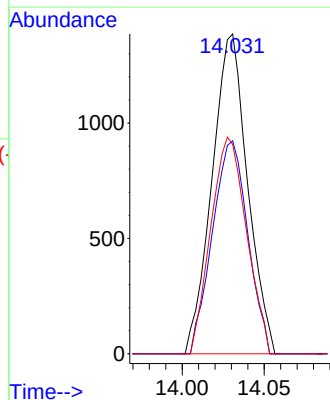
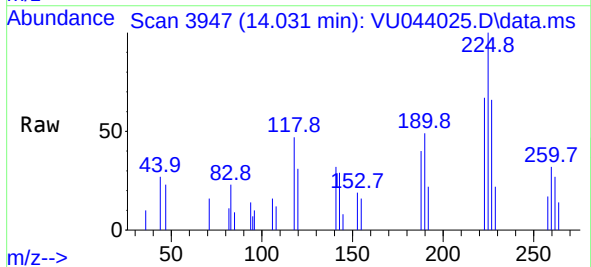
Manual Integrations  
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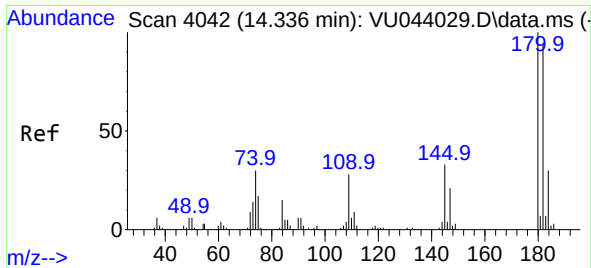
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#88  
Hexachlorobutadiene  
Concen: 0.386 ug/l  
RT: 14.031 min Scan# 3947  
Delta R.T. 0.003 min  
Lab File: VU044025.D  
Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 2083  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 66.2  | 51.7  | 77.5  |
| 227      | 68.1  | 52.0  | 78.0  |





#90  
 1,2,3-Trichlorobenzene  
 Concen: 0.371 ug/l  
 RT: 14.339 min Scan# 4043  
 Delta R.T. 0.003 min  
 Lab File: VU044025.D  
 Acq: 02 Jun 2021 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2851  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.1  | 75.2  | 112.8 |
| 145      | 31.7  | 26.9  | 40.3  |

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

Manual Integrations  
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