

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023672.D
 Acq On : 04 Nov 2025 14:31
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 05 04:51:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 546016 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.615 | 114 | 855673 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 724672 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 345951 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 236672 | 50.814 | ug/l | 0.00 |
| Spiked Amount | 50.000 | Range | 50 - 163 | Recovery | = | 101.620% |
| 35) Dibromofluoromethane | 7.634 | 113 | 259874 | 48.598 | ug/l | 0.00 |
| Spiked Amount | 50.000 | Range | 54 - 147 | Recovery | = | 97.200% |
| 50) Toluene-d8 | 10.109 | 98 | 963982 | 48.394 | ug/l | 0.00 |
| Spiked Amount | 50.000 | Range | 58 - 134 | Recovery | = | 96.780% |
| 62) 4-Bromofluorobenzene | 12.407 | 95 | 296144 | 45.973 | ug/l | 0.00 |
| Spiked Amount | 50.000 | Range | 30 - 143 | Recovery | = | 91.940% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 13243 | 3.695 | ug/l | 91 |
| 3) Chloromethane | 2.074 | 50 | 20385 | 4.064 | ug/l | 96 |
| 4) Vinyl Chloride | 2.208 | 62 | 26304 | 4.030 | ug/l | 94 |
| 5) Bromomethane | 2.604 | 94 | 27660 | 5.038 | ug/l | 98 |
| 6) Chloroethane | 2.738 | 64 | 19368 | 4.294 | ug/l | 94 |
| 7) Trichlorofluoromethane | 3.068 | 101 | 36415 | 3.962 | ug/l | 96 |
| 8) Diethyl Ether | 3.458 | 74 | 10562 | 4.285 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 20830 | 4.113 | ug/l | 98 |
| 10) Methyl Iodide | 4.013 | 142 | 20805 | 3.479 | ug/l | 98 |
| 11) Tert butyl alcohol | 4.854 | 59 | 7519 | 25.036 | ug/l # | 94 |
| 12) 1,1-Dichloroethene | 3.799 | 96 | 19948 | 4.089 | ug/l | 96 |
| 13) Acrolein | 3.653 | 56 | 9043 | 23.427 | ug/l | 99 |
| 14) Allyl chloride | 4.397 | 41 | 24563 | 4.137 | ug/l | 98 |
| 15) Acrylonitrile | 5.073 | 53 | 19337 | 20.528 | ug/l | 97 |
| 16) Acetone | 3.872 | 43 | 20262 | 17.501 | ug/l | 89 |
| 17) Carbon Disulfide | 4.116 | 76 | 63051 | 4.211 | ug/l | 98 |
| 18) Methyl Acetate | 4.391 | 43 | 10824 | 4.239 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.122 | 73 | 44125 | 3.901 | ug/l | 98 |
| 20) Methylene Chloride | 4.628 | 84 | 27235 | 4.873 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96 | 22678 | 4.123 | ug/l | 93 |
| 22) Diisopropyl ether | 6.018 | 45 | 49343 | 3.729 | ug/l # | 85 |
| 23) Vinyl Acetate | 5.963 | 43 | 127812 | 18.102 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 36672 | 4.160 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 23280 | 17.392 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 6.884 | 77 | 32796 | 4.045 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.896 | 96 | 25646 | 4.082 | ug/l | 98 |
| 28) Bromochloromethane | 7.250 | 49 | 14348 | 4.251 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 13272 | 18.618 | ug/l | 99 |
| 30) Chloroform | 7.427 | 83 | 39817 | 4.049 | ug/l | 100 |
| 31) Cyclohexane | 7.713 | 56 | 36540 | 4.760 | ug/l # | 82 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 36681 | 4.173 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 28073 | 3.929 | ug/l | 97 |
| 37) Ethyl Acetate | 6.988 | 43 | 9392 | 3.395 | ug/l # | 77 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 33932 | 4.030 | ug/l | 92 |
| 39) Methylcyclohexane | 9.115 | 83 | 34251 | 3.751 | ug/l | 96 |
| 40) Benzene | 8.085 | 78 | 88567 | 3.932 | ug/l | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile | 7.219 | 41 | 3844 | 2.546 | ug/l # | 69 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 22721 | 3.987 | ug/l | 97 |
| 43) Isopropyl Acetate | 8.201 | 43 | 18808 | 3.619 | ug/l | 98 |
| 44) Trichloroethene | 8.865 | 130 | 25806 | 3.989 | ug/l | 98 |
| 45) 1,2-Dichloropropane | 9.146 | 63 | 19506 | 3.924 | ug/l | 96 |
| 46) Dibromomethane | 9.231 | 93 | 11601 | 3.767 | ug/l | 98 |
| 47) Bromodichloromethane | 9.426 | 83 | 29735 | 3.829 | ug/l | 97 |
| 48) Methyl methacrylate | 9.219 | 41 | 8028 | 3.269 | ug/l | 93 |
| 49) 1,4-Dioxane | 9.225 | 88 | 2235 | 70.907 | ug/l | 97 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 44642 | 16.151 | ug/l | 99 |
| 52) Toluene | 10.170 | 92 | 55316 | 3.847 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 23912 | 3.639 | ug/l | 93 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 29158 | 3.704 | ug/l | 95 |
| 55) 1,1,2-Trichloroethane | 10.572 | 97 | 15840 | 3.848 | ug/l | 89 |
| 56) Ethyl methacrylate | 10.444 | 69 | 14545 | 3.207 | ug/l | 97 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 24810 | 3.800 | ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 29184 | 14.024 | ug/l | 98 |
| 59) 2-Hexanone | 10.761 | 43 | 28844 | 14.304 | ug/l | 96 |
| 60) Dibromochloromethane | 10.914 | 129 | 20784 | 3.675 | ug/l | 95 |
| 61) 1,2-Dibromoethane | 11.017 | 107 | 14394 | 3.726 | ug/l | 97 |
| 64) Tetrachloroethene | 10.646 | 164 | 29675 | 3.934 | ug/l | 98 |
| 65) Chlorobenzene | 11.444 | 112 | 62910 | 3.988 | ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 21740 | 3.897 | ug/l | 96 |
| 67) Ethyl Benzene | 11.517 | 91 | 93345 | 3.656 | ug/l | 98 |
| 68) m/p-Xylenes | 11.627 | 106 | 72946 | 7.151 | ug/l | 98 |
| 69) o-Xylene | 11.956 | 106 | 32787 | 3.477 | ug/l | 97 |
| 70) Styrene | 11.969 | 104 | 51844 | 3.332 | ug/l | 99 |
| 71) Bromoform | 12.133 | 173 | 12808 | 3.931 | ug/l # | 100 |
| 73) Isopropylbenzene | 12.255 | 105 | 83401 | 3.605 | ug/l | 99 |
| 74) N-amyl acetate | 12.066 | 43 | 12223 | 3.120 | ug/l | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 14992 | 4.057 | ug/l | 93 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 20929 | 7.475 | ug/l # | 100 |
| 77) Bromobenzene | 12.529 | 156 | 25375 | 4.228 | ug/l | 99 |
| 78) n-propylbenzene | 12.596 | 91 | 103265 | 3.794 | ug/l | 99 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 62647 | 3.967 | ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 67862 | 3.610 | ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 4608 | 3.719 | ug/l | 97 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 62813 | 3.857 | ug/l | 99 |
| 83) tert-Butylbenzene | 12.999 | 119 | 62450 | 3.647 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.041 | 105 | 65557 | 3.521 | ug/l | 98 |
| 85) sec-Butylbenzene | 13.176 | 105 | 88928 | 3.601 | ug/l | 98 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 73224 | 3.503 | ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 45462 | 3.849 | ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 49420 | 4.259 | ug/l | 95 |
| 89) n-Butylbenzene | 13.615 | 91 | 64908 | 3.570 | ug/l | 99 |
| 90) Hexachloroethane | 13.877 | 117 | 19409 | 4.320 | ug/l | 93 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 40340 | 3.963 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 2283 | 4.012 | ug/l | 90 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 20804 | 3.573 | ug/l | 97 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 15989 | 4.191 | ug/l | 98 |
| 95) Naphthalene | 15.145 | 128 | 27248 | 7.657 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 17470 | 3.591 | ug/l | 98 |

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Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

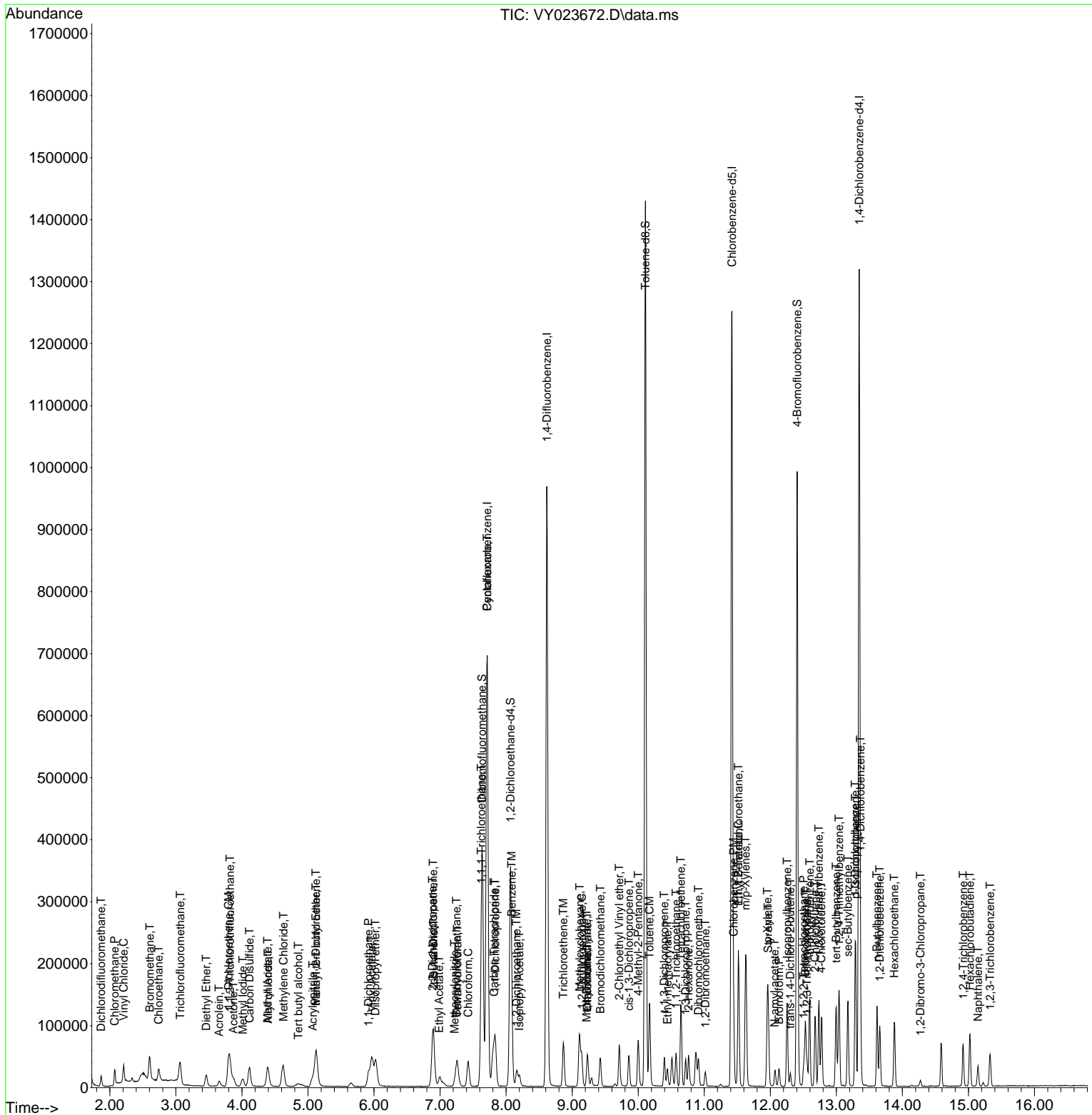
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

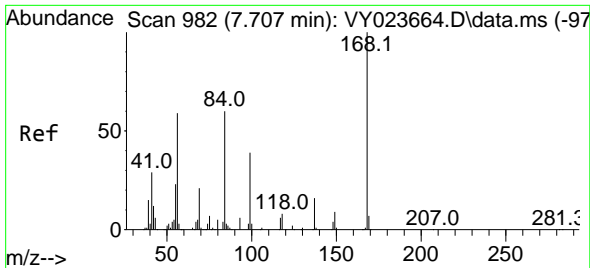
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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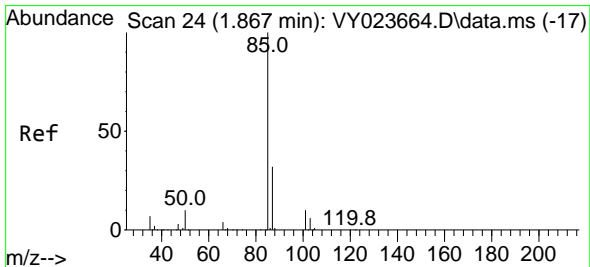
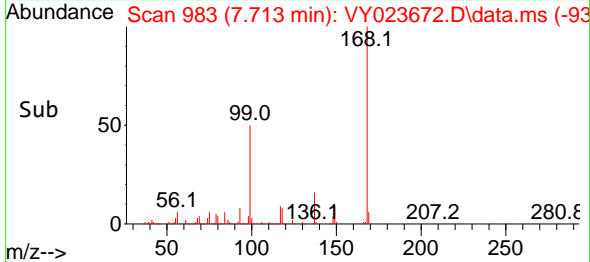
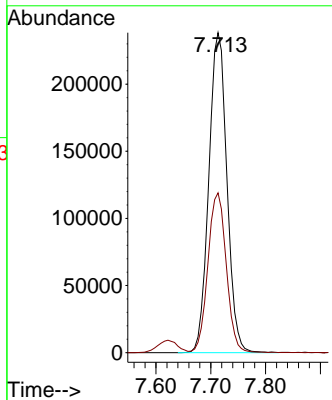
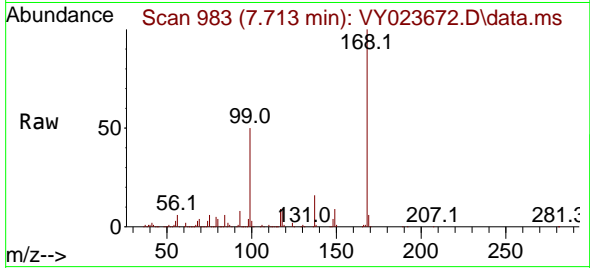




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.713 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

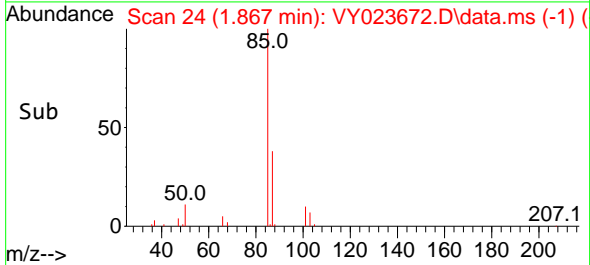
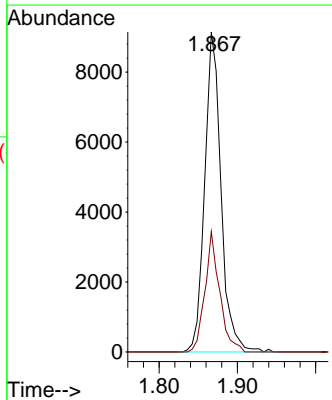
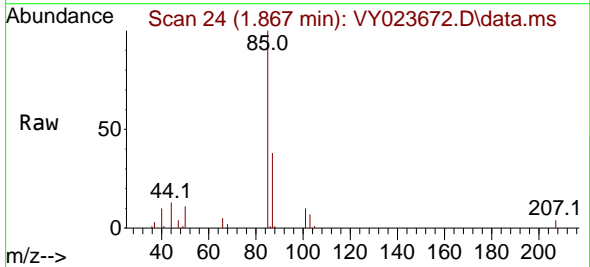
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

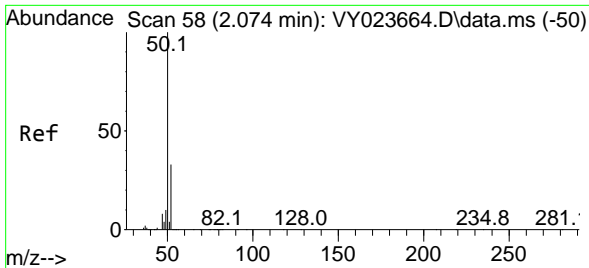
Tgt Ion:168 Resp: 546016
 Ion Ratio Lower Upper
 168 100
 99 49.9 41.0 61.4



#2
 Dichlorodifluoromethane
 Concen: 3.695 ug/l
 RT: 1.867 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 85 Resp: 13243
 Ion Ratio Lower Upper
 85 100
 87 37.6 16.2 48.6

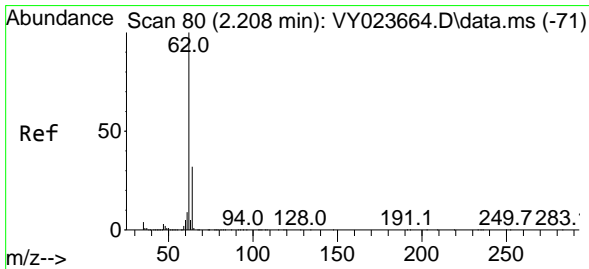
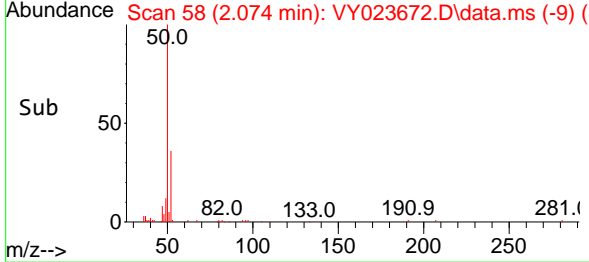
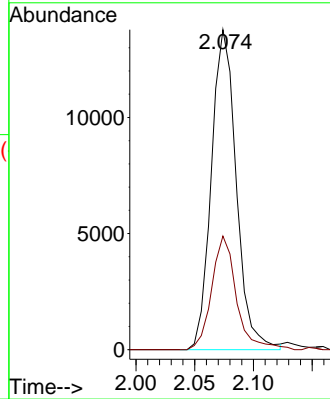
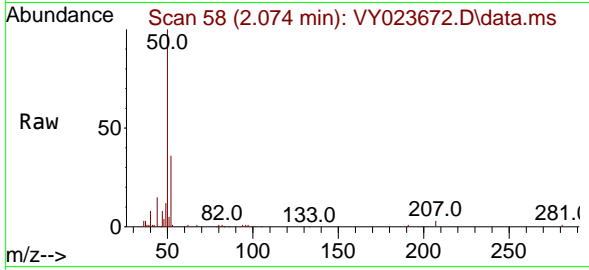




#3
 Chloromethane
 Concen: 4.064 ug/l
 RT: 2.074 min Scan# 58
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

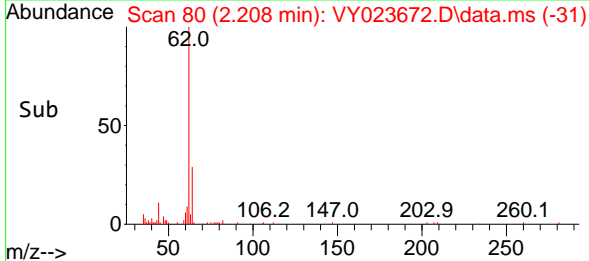
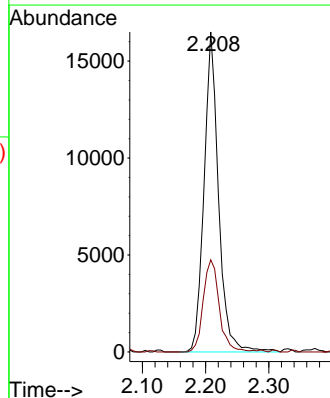
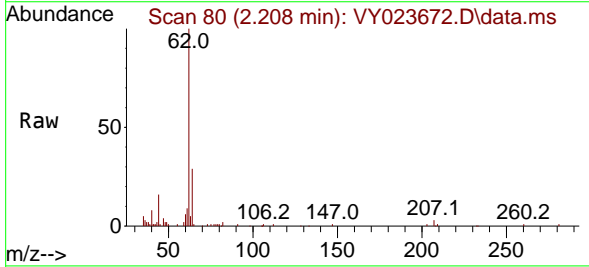
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

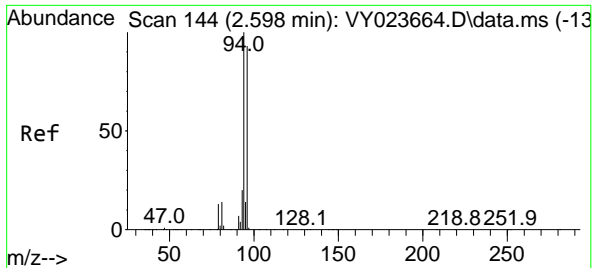
Tgt Ion: 50 Resp: 20385
 Ion Ratio Lower Upper
 50 100
 52 35.5 26.5 39.7



#4
 Vinyl Chloride
 Concen: 4.030 ug/l
 RT: 2.208 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 62 Resp: 26304
 Ion Ratio Lower Upper
 62 100
 64 28.8 25.7 38.5

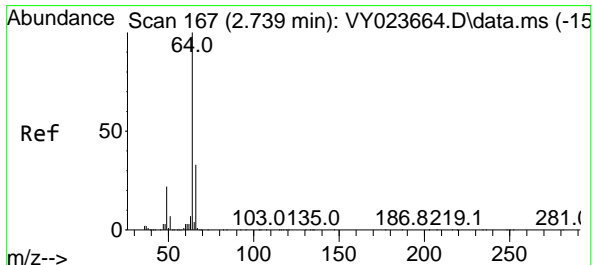
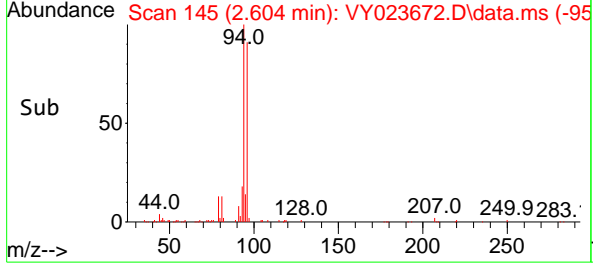
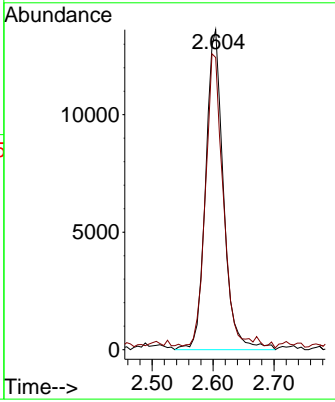
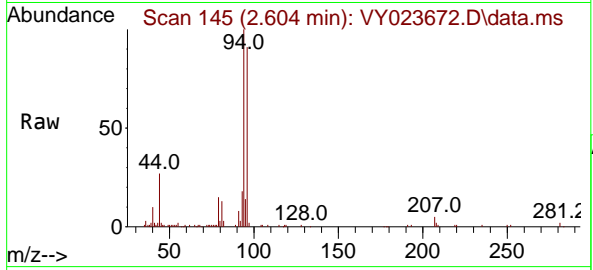




#5
 Bromomethane
 Concen: 5.038 ug/l
 RT: 2.604 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

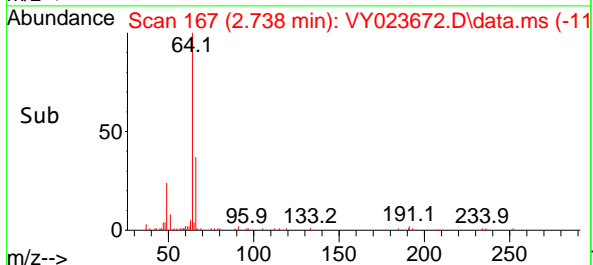
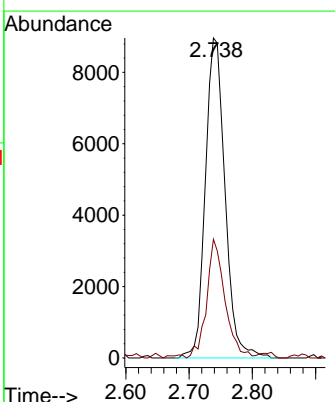
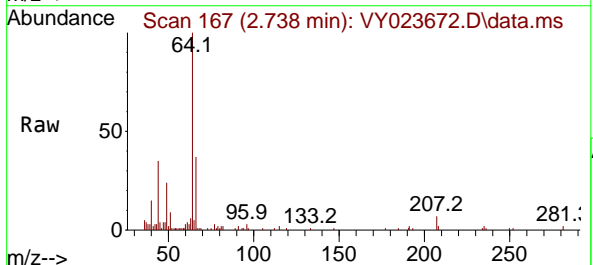
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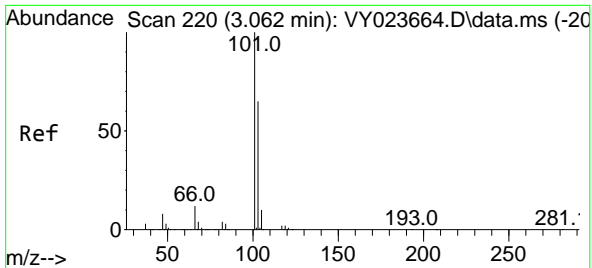
Tgt Ion: 94 Resp: 27660
 Ion Ratio Lower Upper
 94 100
 96 90.7 74.4 111.6



#6
 Chloroethane
 Concen: 4.294 ug/l
 RT: 2.738 min Scan# 167
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 64 Resp: 19368
 Ion Ratio Lower Upper
 64 100
 66 36.5 26.2 39.4

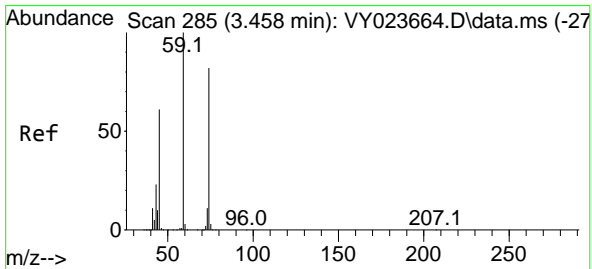
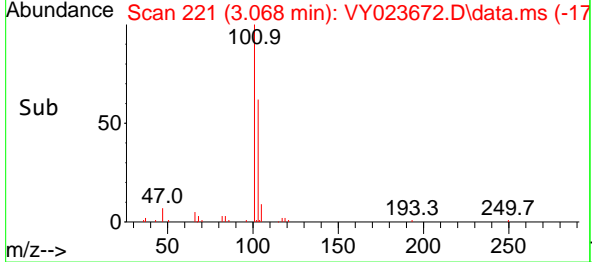
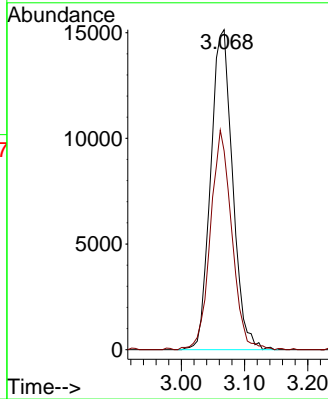
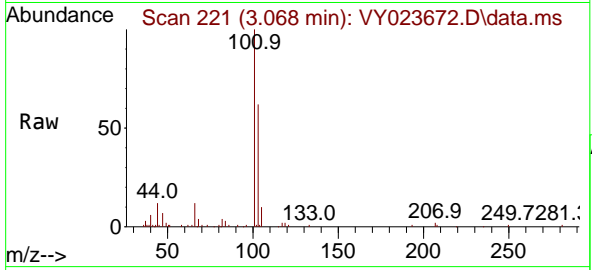




#7
 Trichlorofluoromethane
 Concen: 3.962 ug/l
 RT: 3.068 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

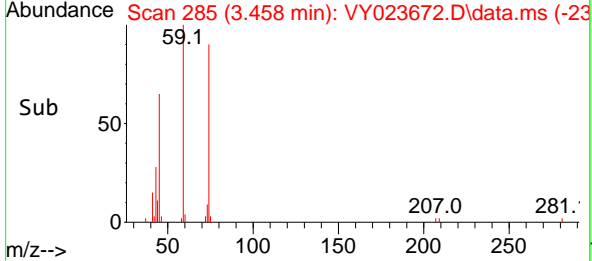
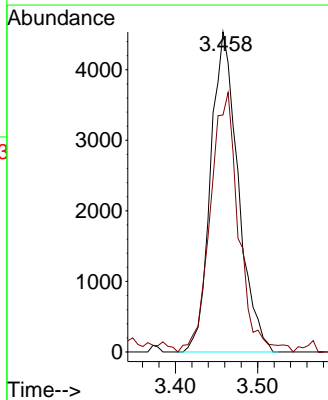
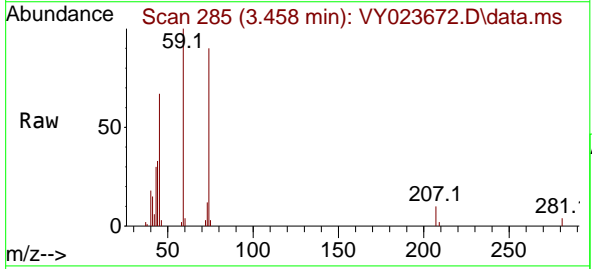
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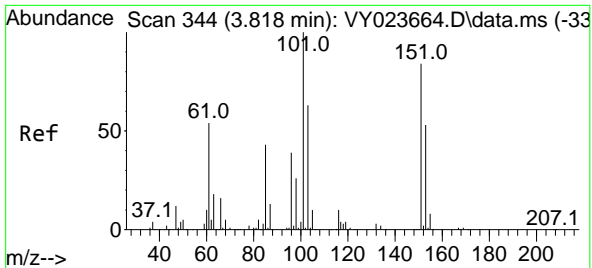
Tgt Ion:101 Resp: 36415
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.1 78.1



#8
 Diethyl Ether
 Concen: 4.285 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 74 Resp: 10562
 Ion Ratio Lower Upper
 74 100
 45 83.2 40.6 121.7

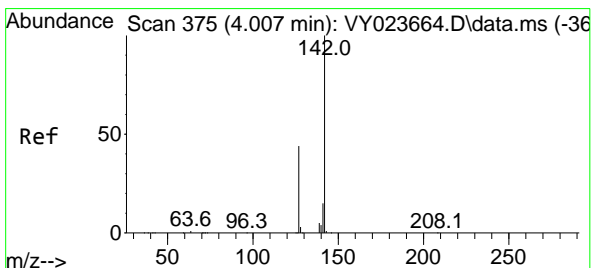
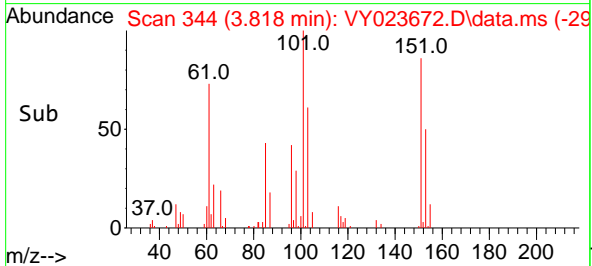
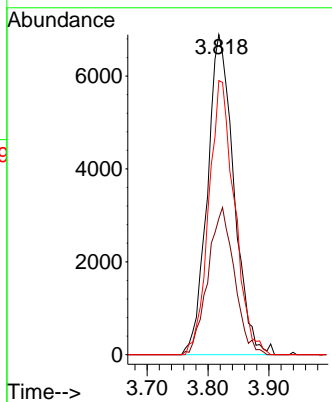
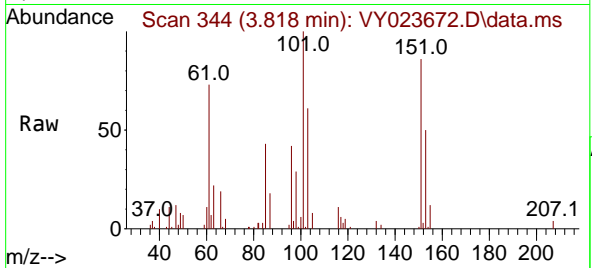




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.113 ug/l
 RT: 3.818 min Scan# 344
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

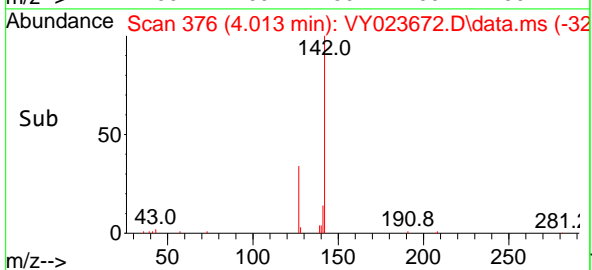
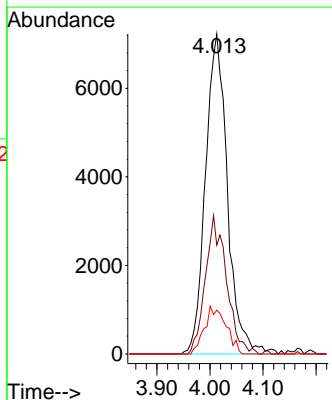
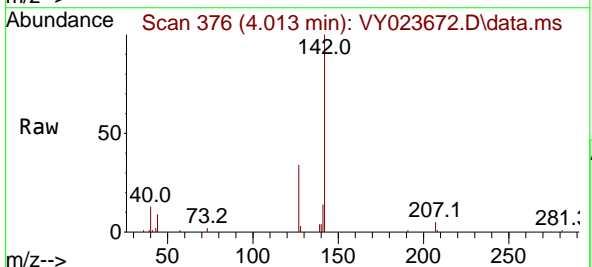
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

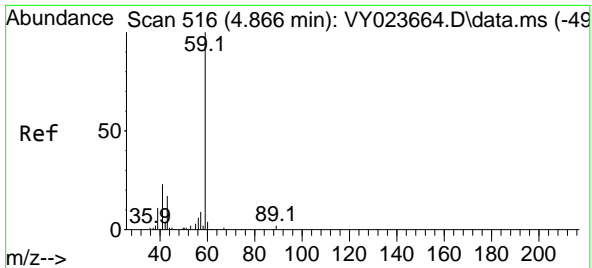
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 101 | 100 | | |
| 85 | 46.0 | 34.4 | 51.6 |
| 151 | 83.2 | 65.6 | 98.4 |



#10
 Methyl Iodide
 Concen: 3.479 ug/l
 RT: 4.013 min Scan# 376
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 142 | 100 | | |
| 127 | 41.7 | 34.6 | 51.8 |
| 141 | 14.6 | 11.6 | 17.4 |

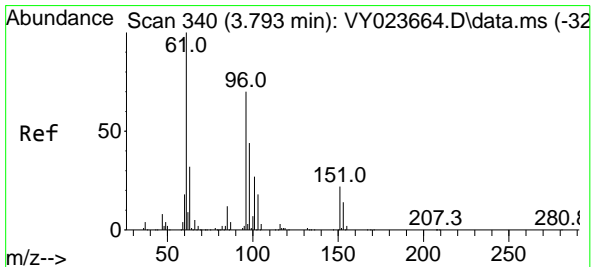
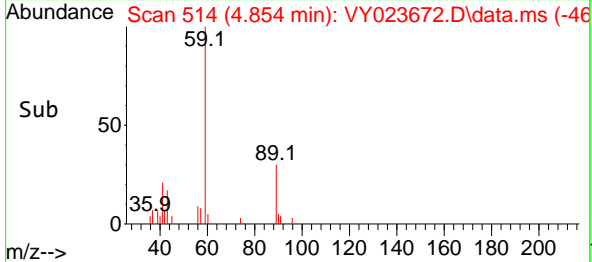
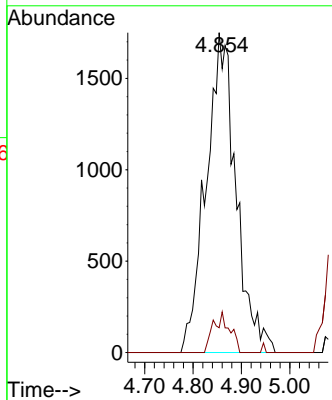
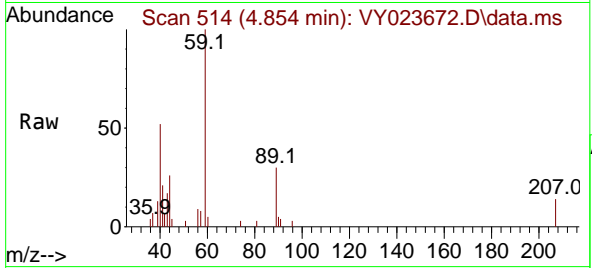




#11
 Tert butyl alcohol
 Concen: 25.036 ug/l
 RT: 4.854 min Scan# 514
 Delta R.T. -0.012 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

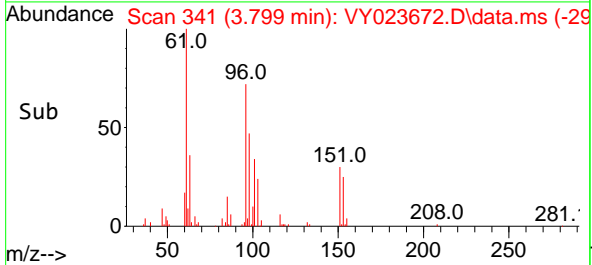
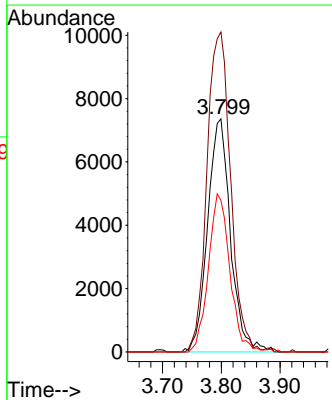
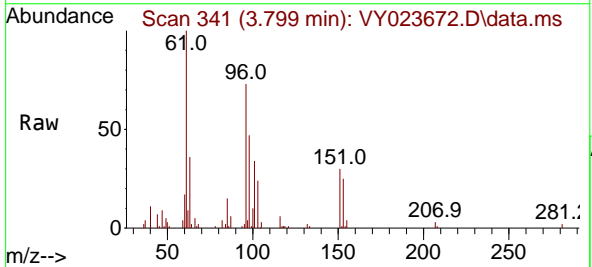
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

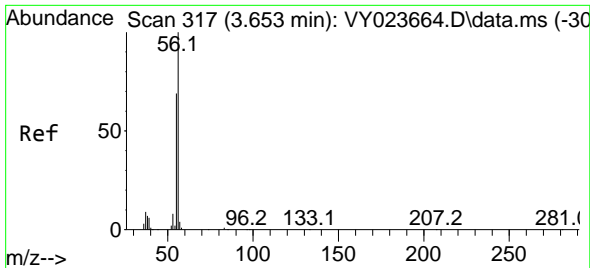
Tgt Ion: 59 Resp: 7519
 Ion Ratio Lower Upper
 59 100
 57 7.0 7.4 11.2#



#12
 1,1-Dichloroethene
 Concen: 4.089 ug/l
 RT: 3.799 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 96 Resp: 19948
 Ion Ratio Lower Upper
 96 100
 61 137.3 114.0 171.0
 98 65.0 50.2 75.2

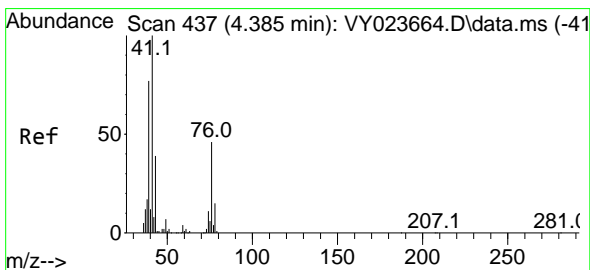
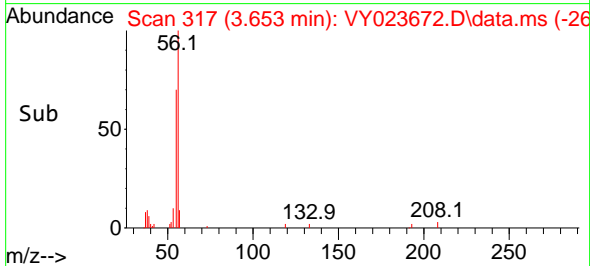
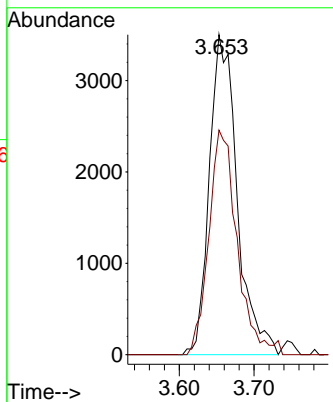
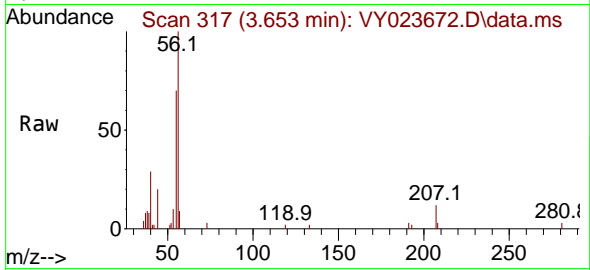




#13
 Acrolein
 Concen: 23.427 ug/l
 RT: 3.653 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

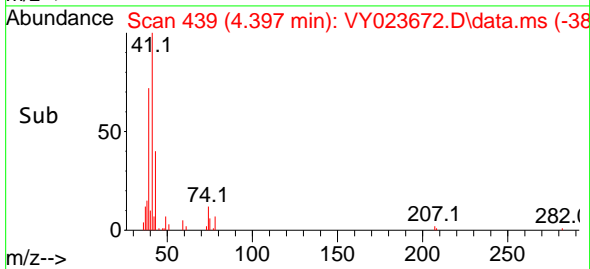
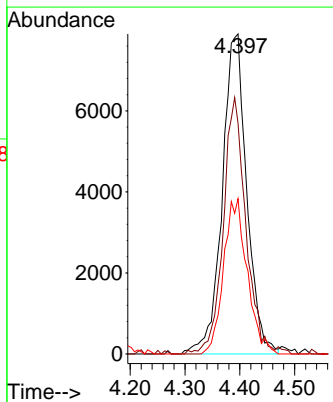
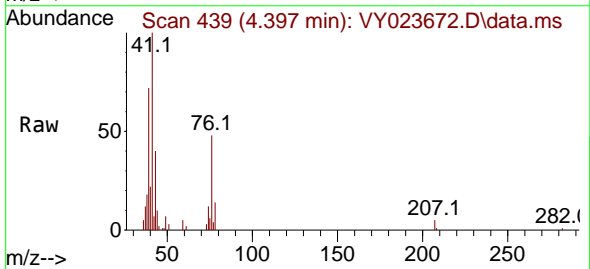
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

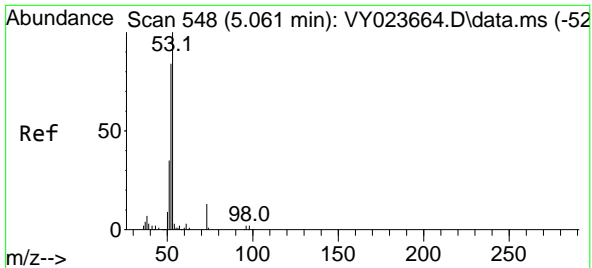
Tgt Ion: 56 Resp: 9043
 Ion Ratio Lower Upper
 56 100
 55 71.4 56.6 84.8



#14
 Allyl chloride
 Concen: 4.137 ug/l
 RT: 4.397 min Scan# 439
 Delta R.T. 0.012 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 41 Resp: 24563
 Ion Ratio Lower Upper
 41 100
 39 73.5 60.4 90.6
 76 46.7 38.0 57.0

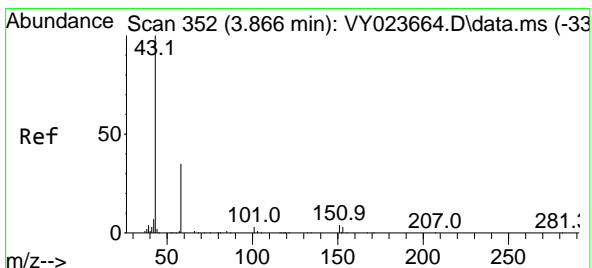
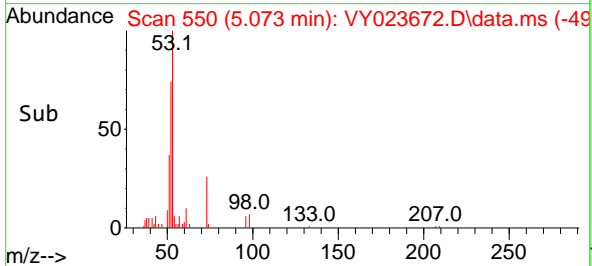
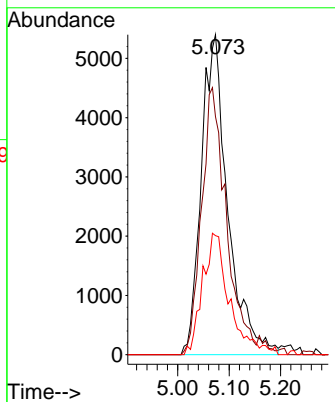
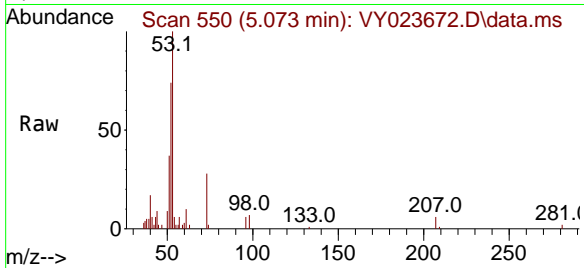




#15
 Acrylonitrile
 Concen: 20.528 ug/l
 RT: 5.073 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

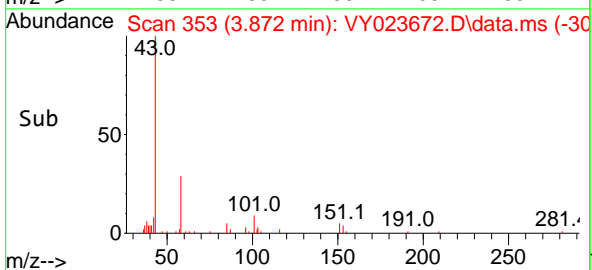
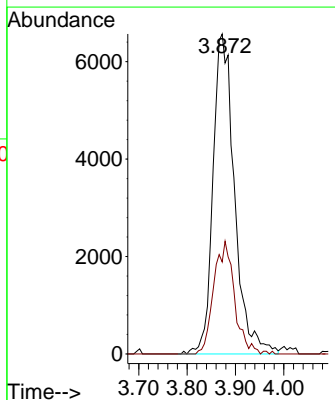
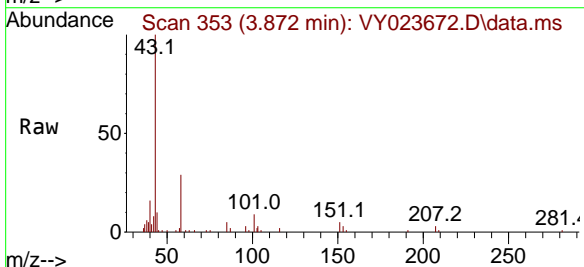
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

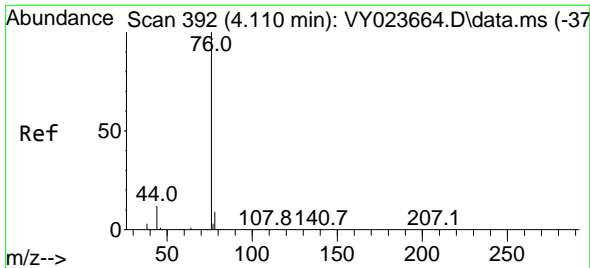
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 53 | 19337 | | |
| 52 | 78.0 | 64.9 | 97.3 |
| 51 | 38.6 | 29.4 | 44.0 |



#16
 Acetone
 Concen: 17.501 ug/l
 RT: 3.872 min Scan# 353
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 20262 | | |
| 58 | 28.8 | 28.2 | 42.4 |

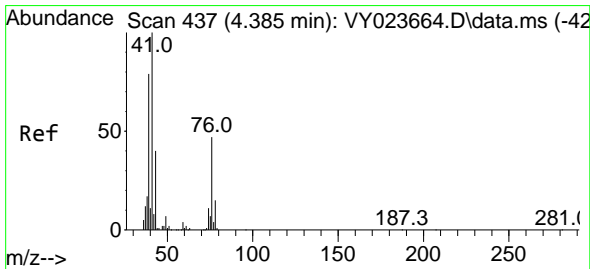
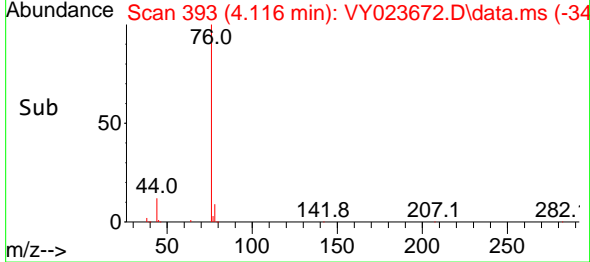
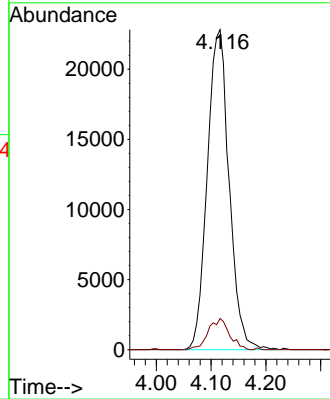
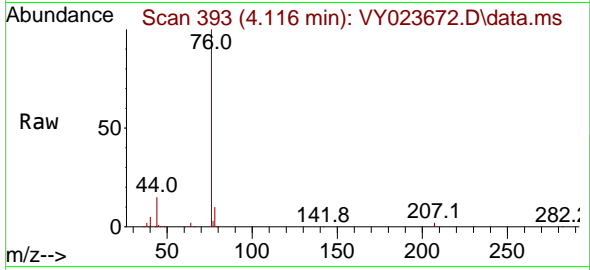




#17
 Carbon Disulfide
 Concen: 4.211 ug/l
 RT: 4.116 min Scan# 392
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

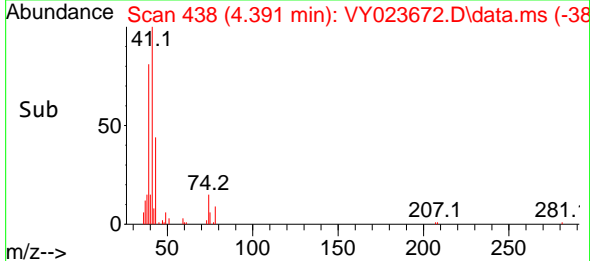
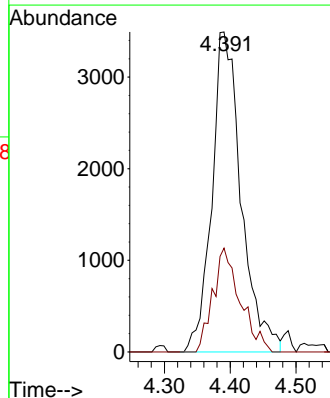
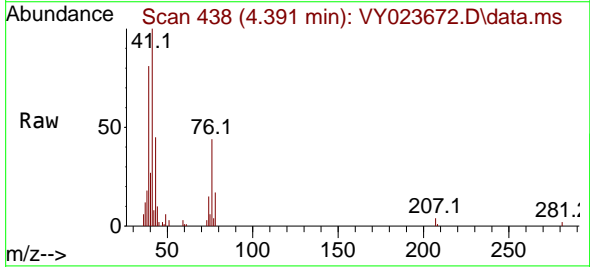
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

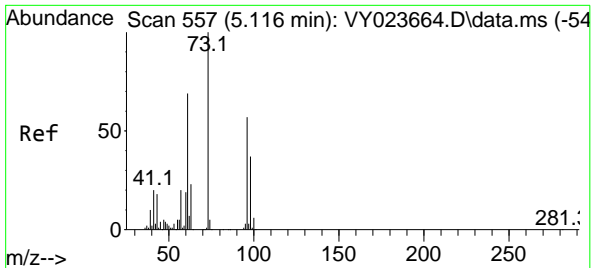
Tgt Ion: 76 Resp: 63051
 Ion Ratio Lower Upper
 76 100
 78 9.8 7.1 10.7



#18
 Methyl Acetate
 Concen: 4.239 ug/l
 RT: 4.391 min Scan# 438
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 43 Resp: 10824
 Ion Ratio Lower Upper
 43 100
 74 30.1 22.5 33.7

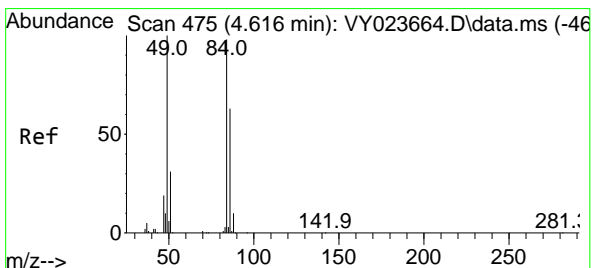
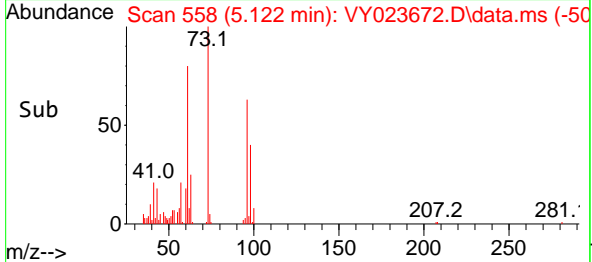
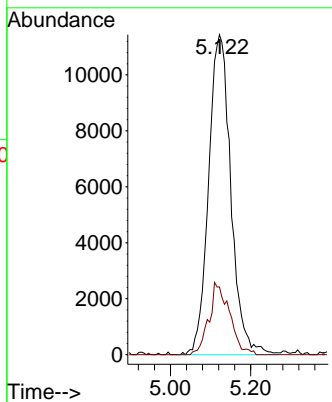
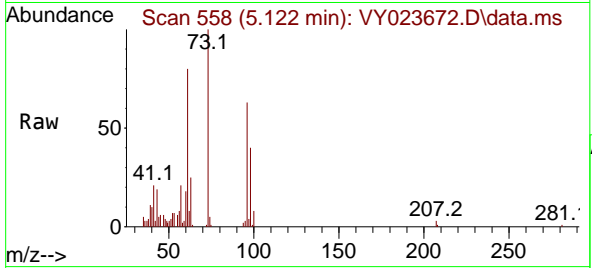




#19
 Methyl tert-butyl Ether
 Concen: 3.901 ug/l
 RT: 5.122 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

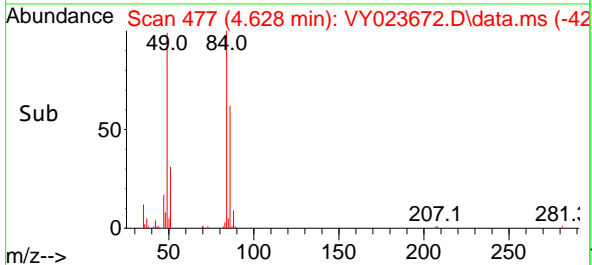
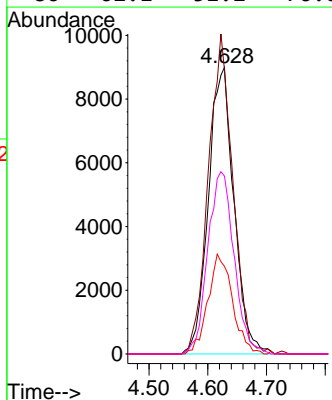
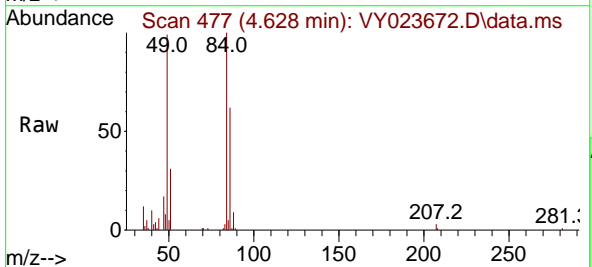
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

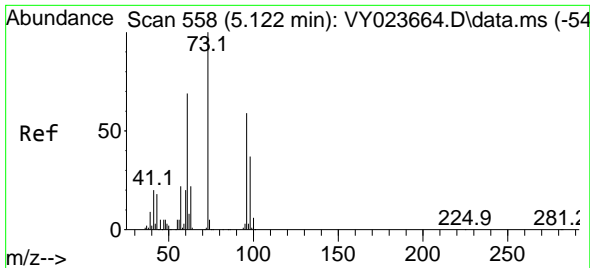
Tgt Ion: 73 Resp: 44125
 Ion Ratio Lower Upper
 73 100
 57 21.2 16.1 24.1



#20
 Methylene Chloride
 Concen: 4.873 ug/l
 RT: 4.628 min Scan# 477
 Delta R.T. 0.012 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

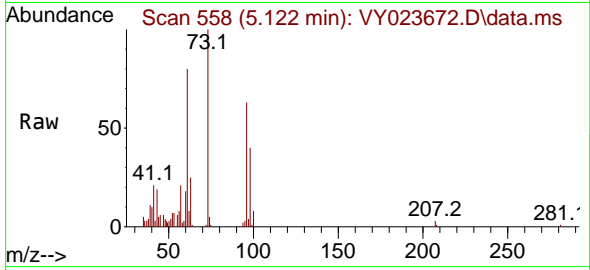
Tgt Ion: 84 Resp: 27235
 Ion Ratio Lower Upper
 84 100
 49 99.2 81.5 122.3
 51 30.6 25.5 38.3
 86 62.1 51.2 76.8





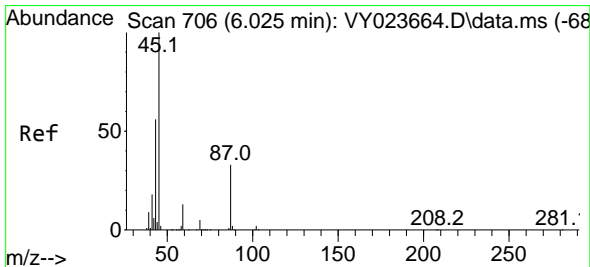
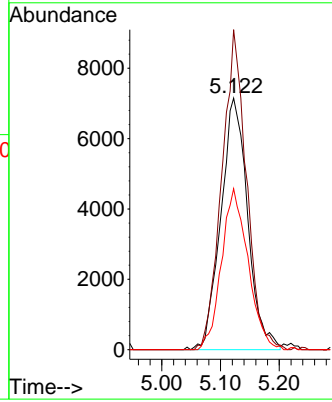
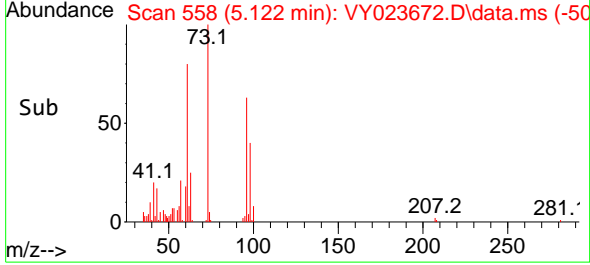
#21
 trans-1,2-Dichloroethene
 Concen: 4.123 ug/l
 RT: 5.122 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

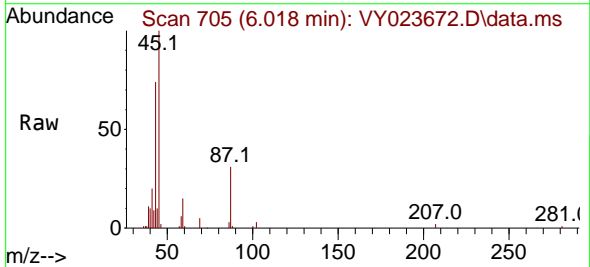


Tgt Ion: 96 Resp: 22678

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 127.2 | 93.3 | 139.9 |
| 98 | 64.0 | 50.6 | 75.8 |

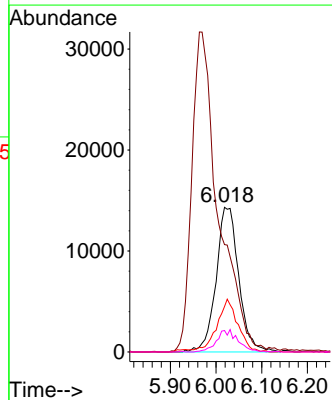
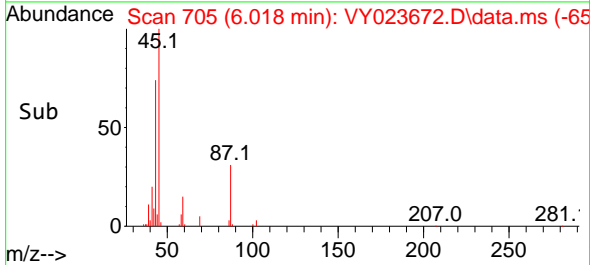


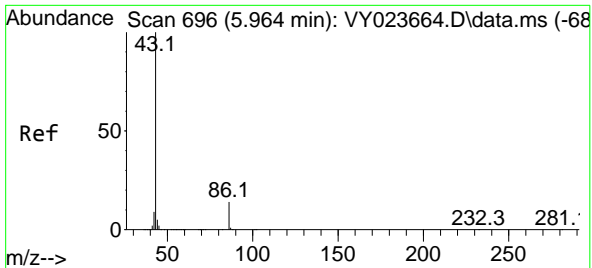
#22
 Diisopropyl ether
 Concen: 3.729 ug/l
 RT: 6.018 min Scan# 705
 Delta R.T. -0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 45 Resp: 49343

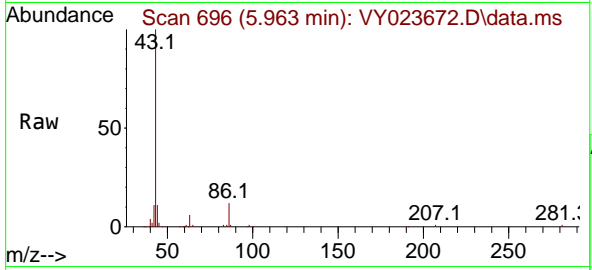
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45 | 100 | | |
| 43 | 73.0 | 44.7 | 67.1# |
| 87 | 31.0 | 27.2 | 40.8 |
| 59 | 14.8 | 10.2 | 15.4 |



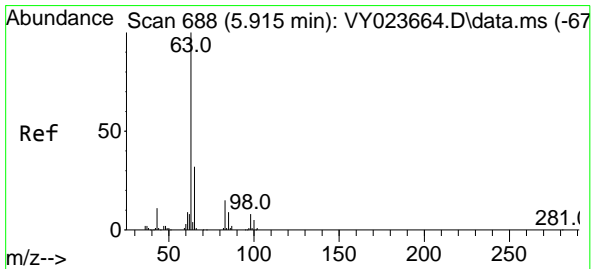
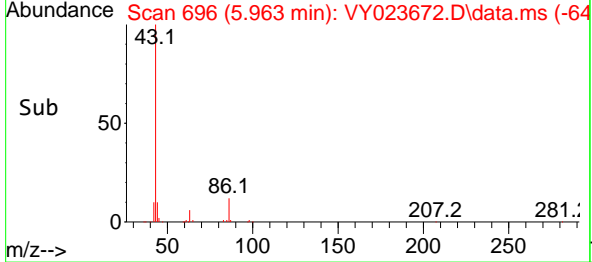
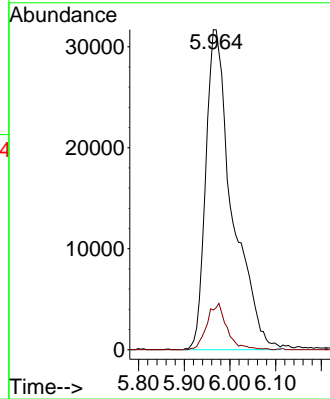


#23
 Vinyl Acetate
 Concen: 18.102 ug/l
 RT: 5.963 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

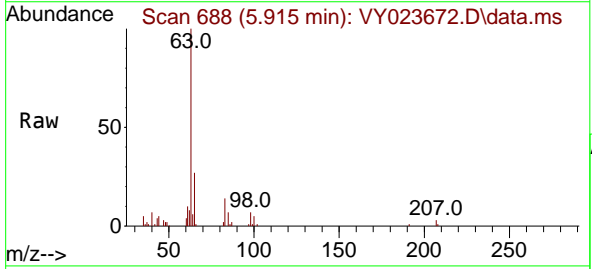
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



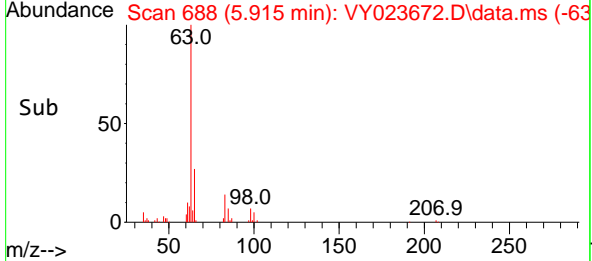
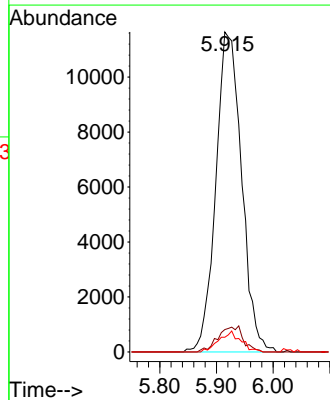
Tgt Ion: 43 Resp: 127812
 Ion Ratio Lower Upper
 43 100
 86 12.4 10.9 16.3

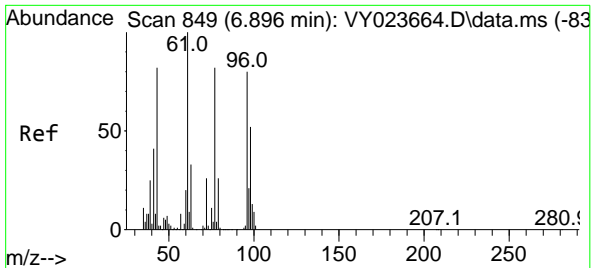


#24
 1,1-Dichloroethane
 Concen: 4.160 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 63 Resp: 36672
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.0 11.9
 100 4.6 2.6 7.8

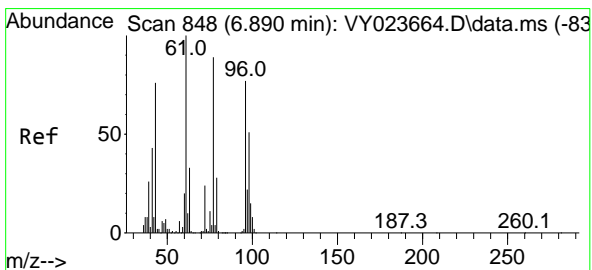
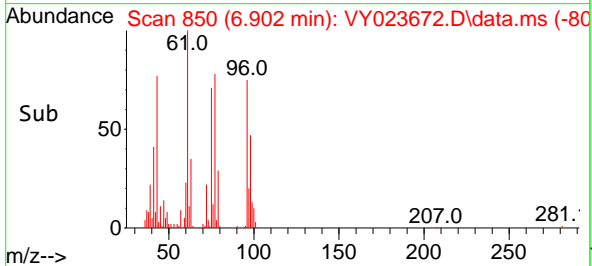
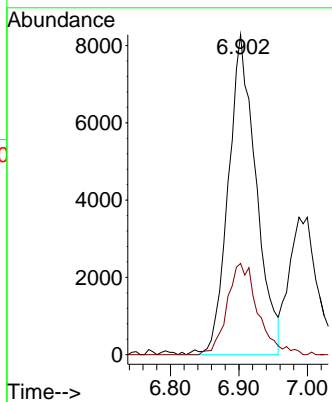
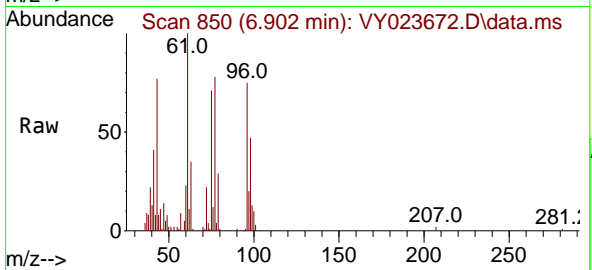




#25
 2-Butanone
 Concen: 17.392 ug/l
 RT: 6.902 min Scan# 849
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

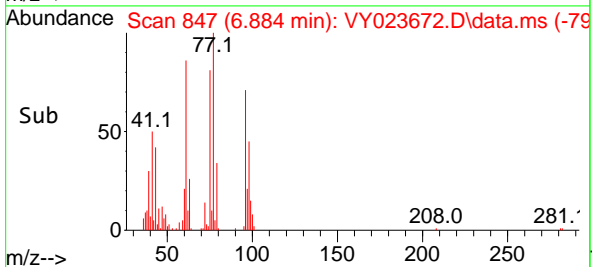
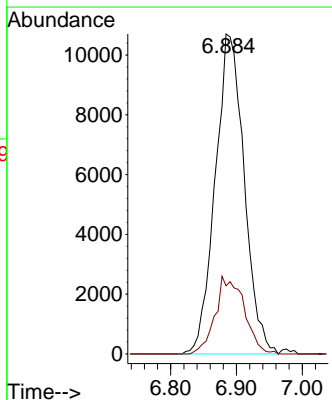
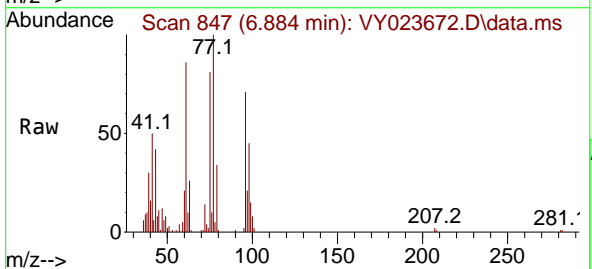
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

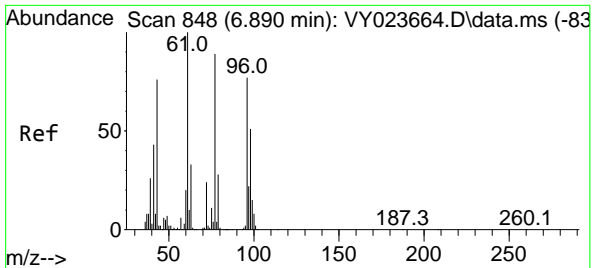
Tgt Ion: 43 Resp: 23280
 Ion Ratio Lower Upper
 43 100
 72 28.5 25.7 38.5



#26
 2,2-Dichloropropane
 Concen: 4.045 ug/l
 RT: 6.884 min Scan# 847
 Delta R.T. -0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 77 Resp: 32796
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.0 36.1



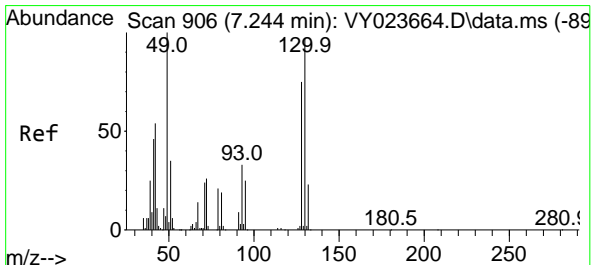
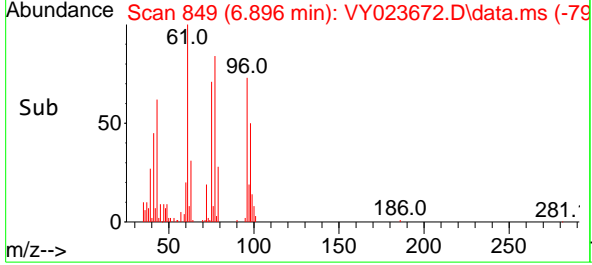
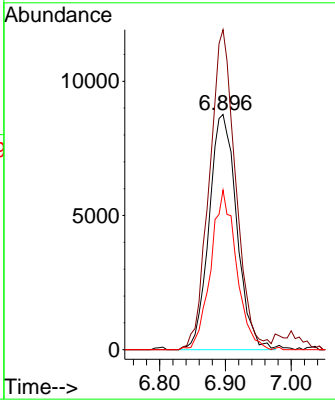
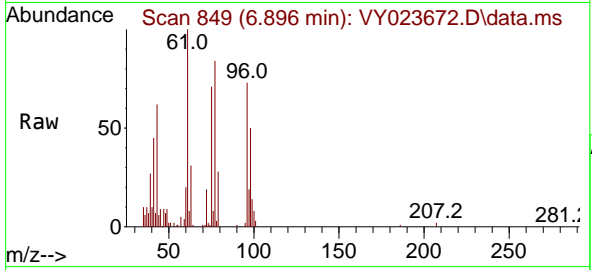


#27
 cis-1,2-Dichloroethene
 Concen: 4.082 ug/l
 RT: 6.896 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 96 Resp: 25646

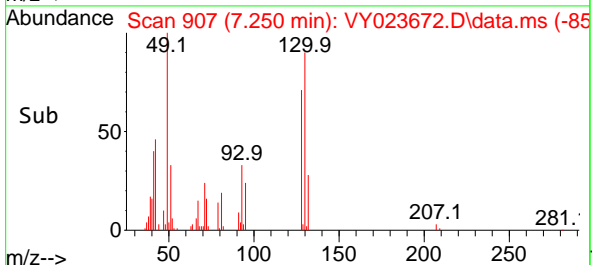
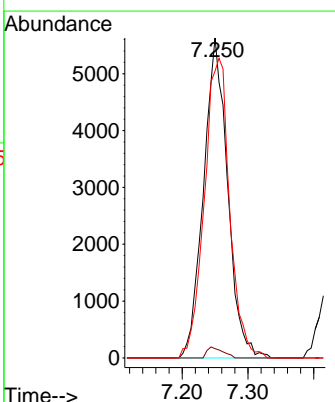
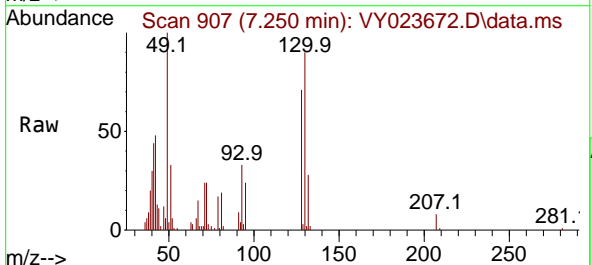
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 128.8 | 0.0 | 255.0 |
| 98 | 62.8 | 0.0 | 129.8 |

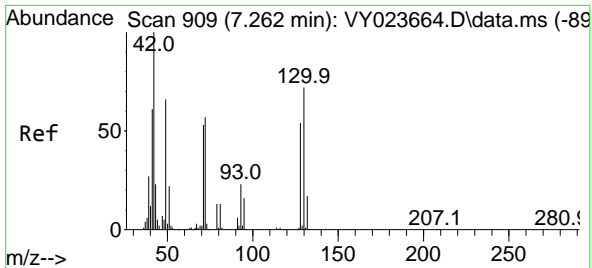


#28
 Bromochloromethane
 Concen: 4.251 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 49 Resp: 14348

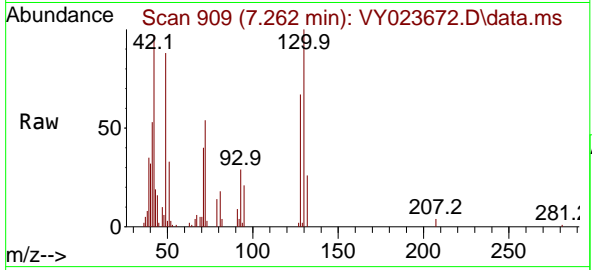
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 5.0 |
| 130 | 98.7 | 80.1 | 120.1 |





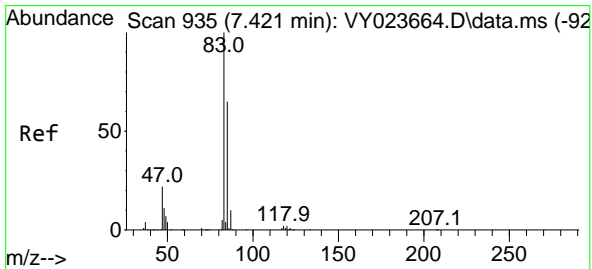
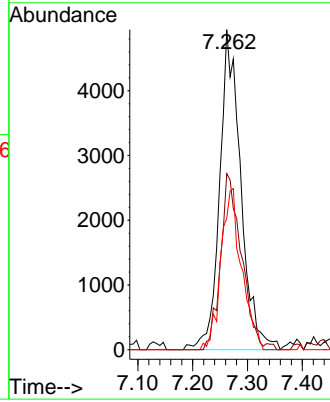
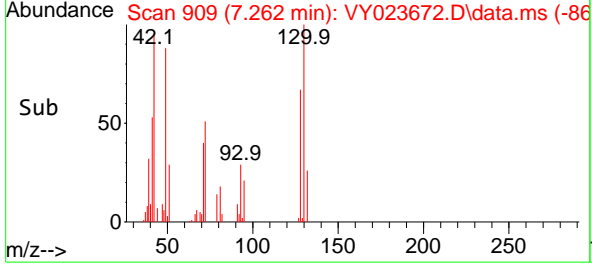
#29
 Tetrahydrofuran
 Concen: 18.618 ug/l
 RT: 7.262 min Scan# 909
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

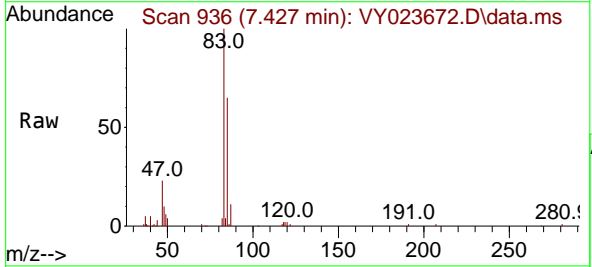


Tgt Ion: 42 Resp: 13272

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42 | 100 | | |
| 72 | 53.9 | 43.4 | 65.2 |
| 71 | 49.2 | 40.7 | 61.1 |

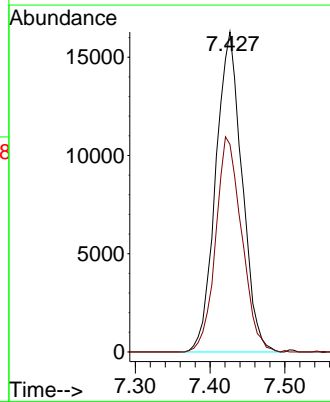
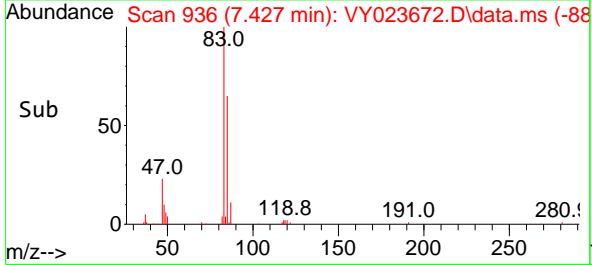


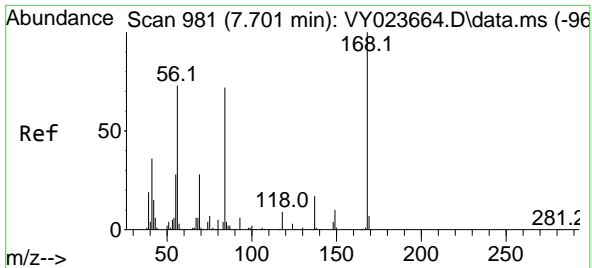
#30
 Chloroform
 Concen: 4.049 ug/l
 RT: 7.427 min Scan# 936
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 83 Resp: 39817

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83 | 100 | | |
| 85 | 64.8 | 52.1 | 78.1 |



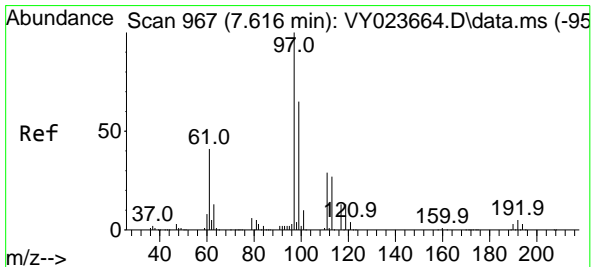
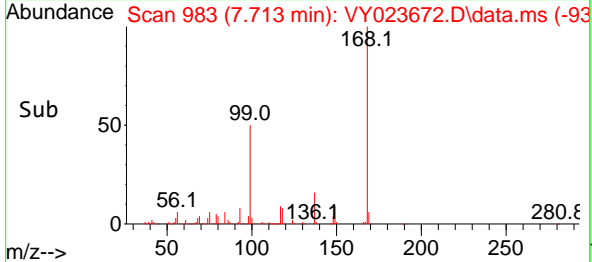
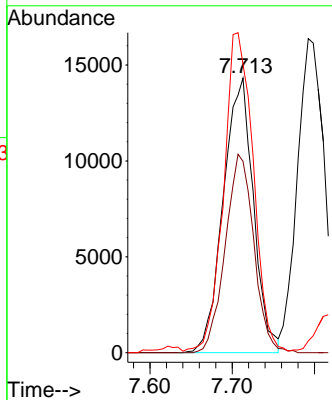
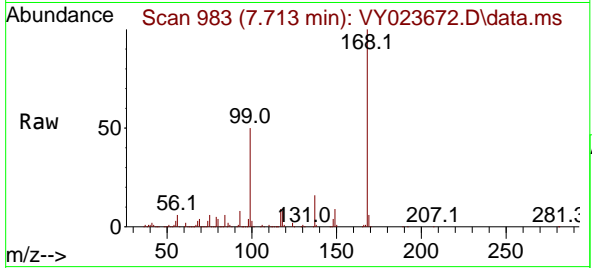


#31
 Cyclohexane
 Concen: 4.760 ug/l
 RT: 7.713 min Scan# 911
 Delta R.T. 0.012 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 56 Resp: 36540

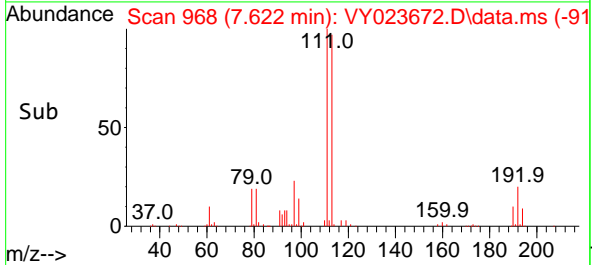
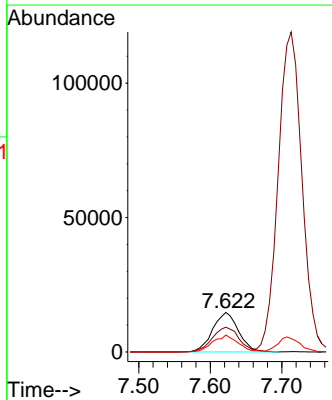
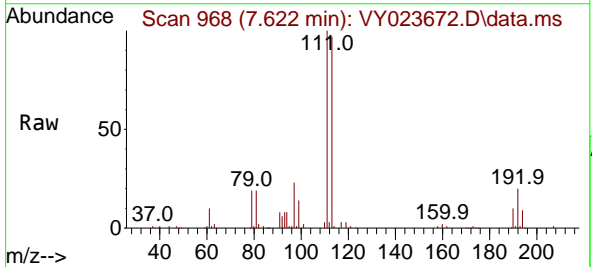
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56 | 100 | | |
| 69 | 69.7 | 30.5 | 45.7# |
| 84 | 103.0 | 79.0 | 118.4 |

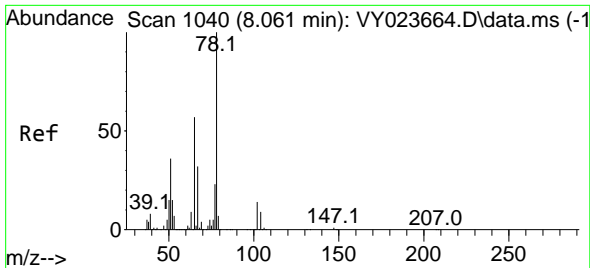


#32
 1,1,1-Trichloroethane
 Concen: 4.173 ug/l
 RT: 7.622 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 97 Resp: 36681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97 | 100 | | |
| 99 | 64.3 | 51.5 | 77.3 |
| 61 | 41.8 | 32.5 | 48.7 |

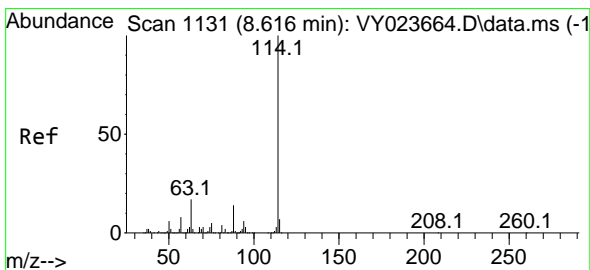
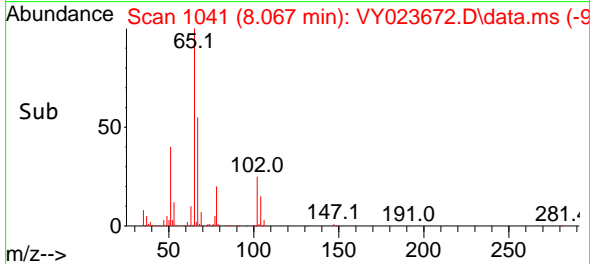
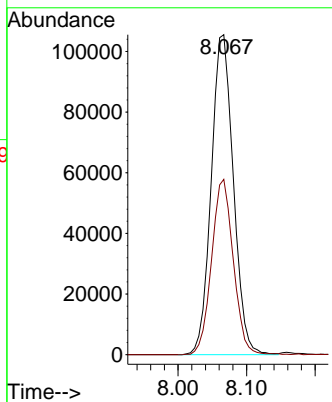
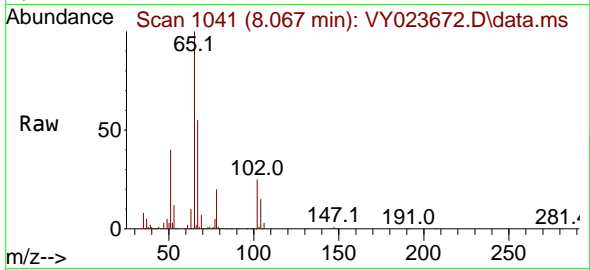




#33
 1,2-Dichloroethane-d4
 Concen: 50.814 ug/l
 RT: 8.067 min Scan# 1040
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

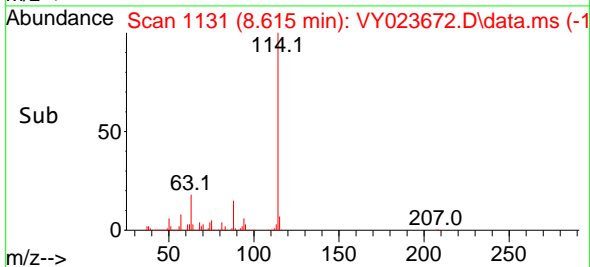
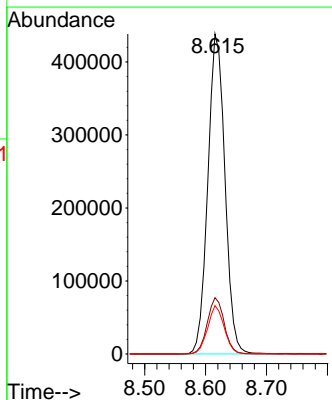
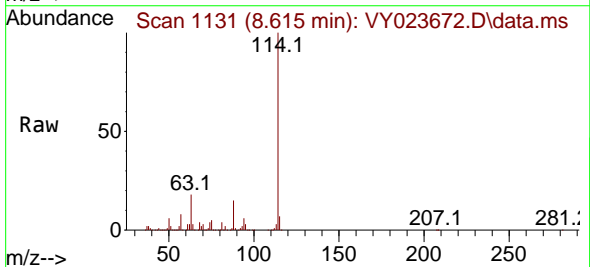
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

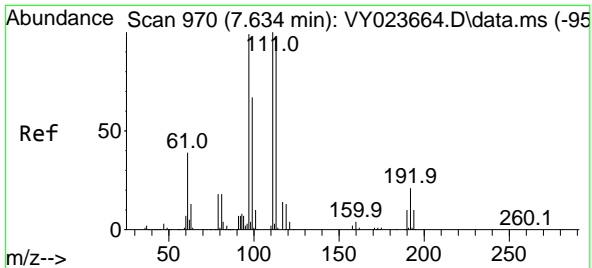
Tgt Ion: 65 Resp: 236672
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:114 Resp: 855673
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 15.1 0.0 29.0

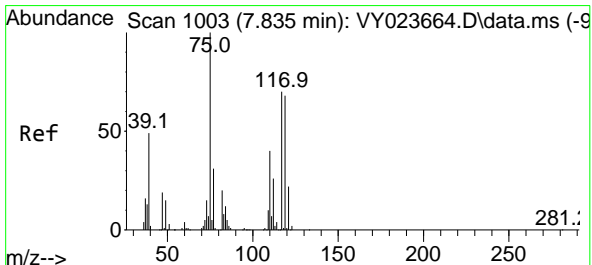
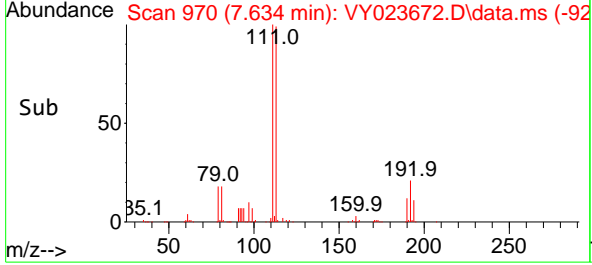
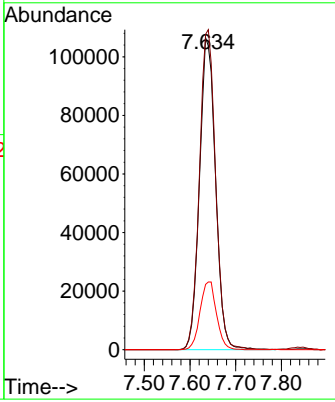
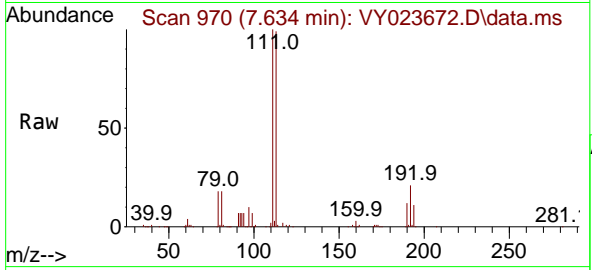




#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

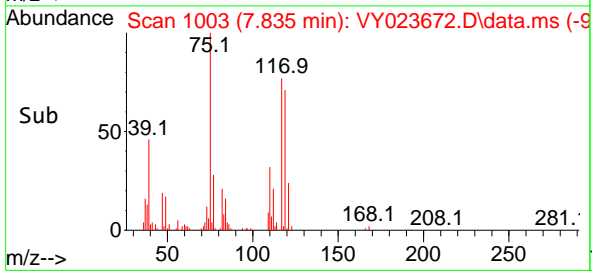
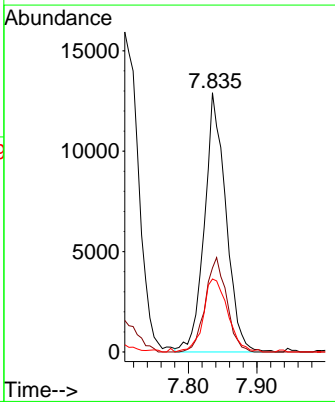
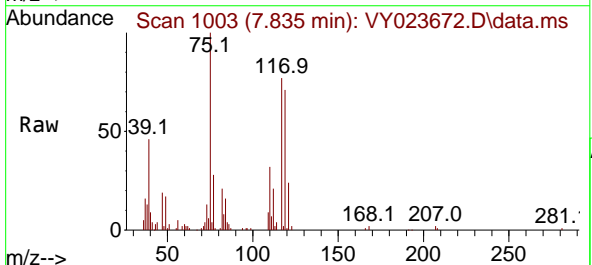
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

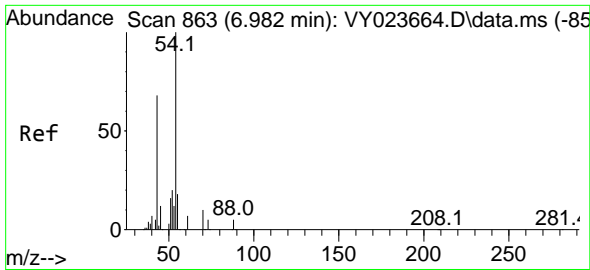
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 113 | 259874 | | |
| 113 | 100 | | |
| 111 | 103.4 | 82.2 | 123.4 |
| 192 | 22.2 | 17.3 | 25.9 |



#36
 1,1-Dichloropropene
 Concen: 3.929 ug/l
 RT: 7.835 min Scan# 1003
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 75 | 28073 | | |
| 75 | 100 | | |
| 110 | 36.2 | 19.7 | 59.0 |
| 77 | 32.1 | 25.2 | 37.8 |



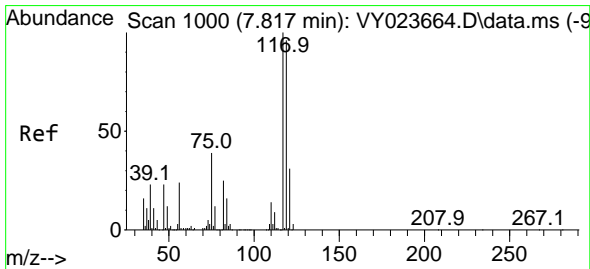
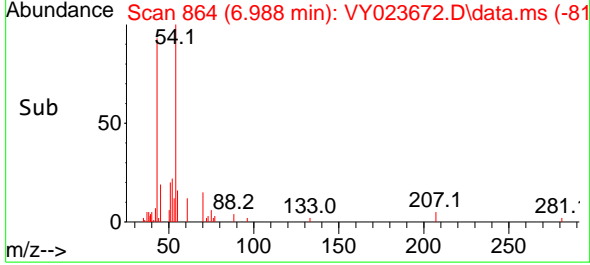
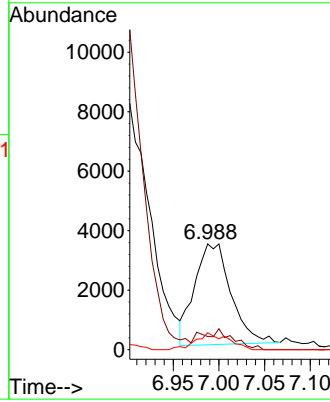
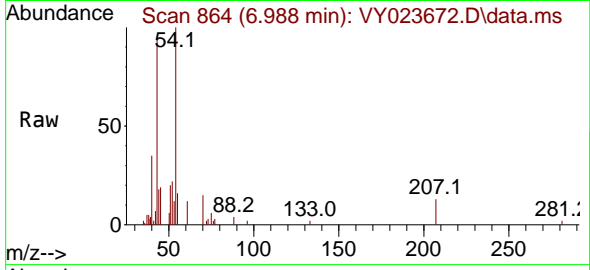


#37
 Ethyl Acetate
 Concen: 3.395 ug/l
 RT: 6.988 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 43 Resp: 9392

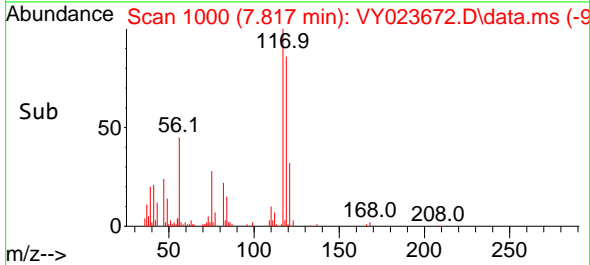
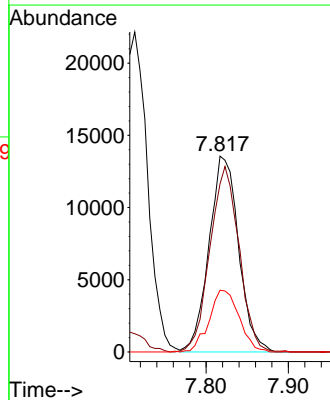
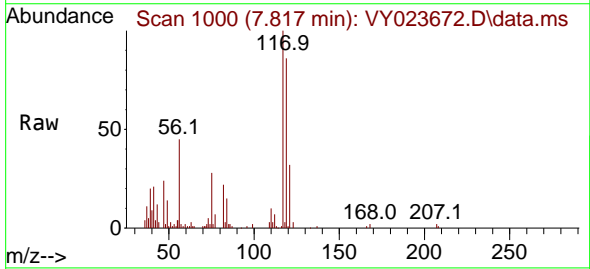
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43 | 100 | | |
| 61 | 0.0 | 12.4 | 18.6# |
| 70 | 14.9 | 9.8 | 14.8# |

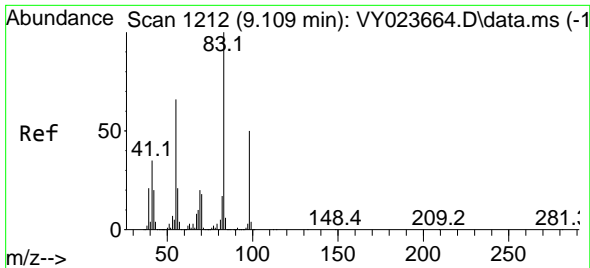


#38
 Carbon Tetrachloride
 Concen: 4.030 ug/l
 RT: 7.817 min Scan# 1000
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 117 Resp: 33932

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100 | | |
| 119 | 85.5 | 76.3 | 114.5 |
| 121 | 31.6 | 24.8 | 37.2 |



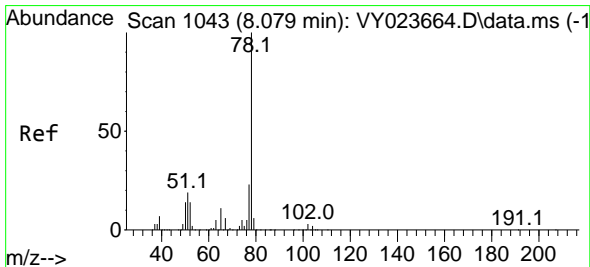
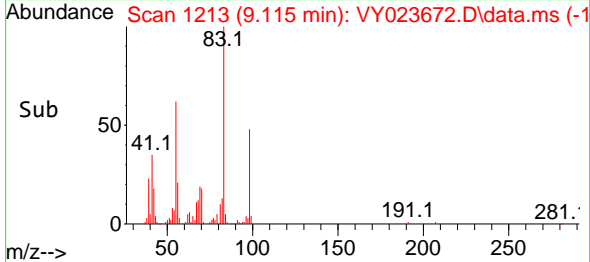
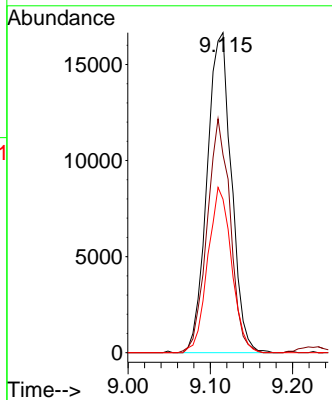
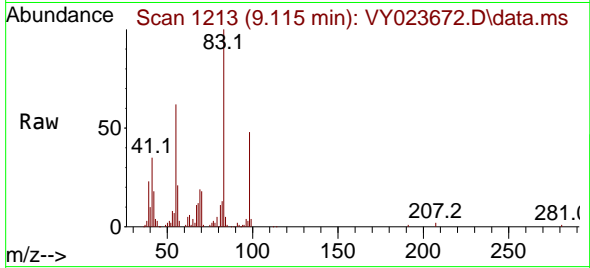


#39
 Methylcyclohexane
 Concen: 3.751 ug/l
 RT: 9.115 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 83 Resp: 34251

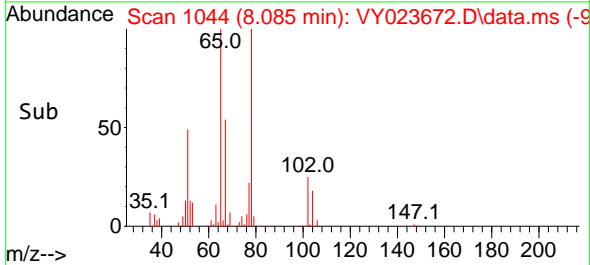
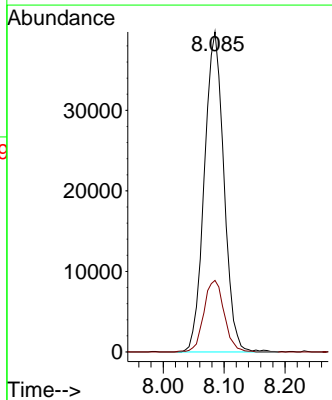
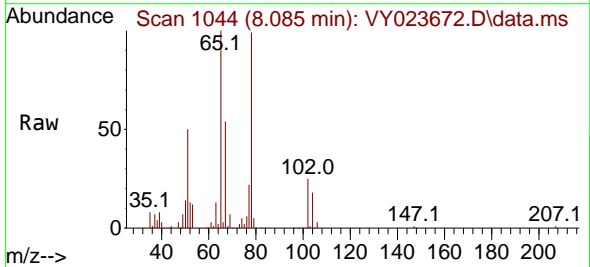
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83 | 100 | | |
| 55 | 61.9 | 52.6 | 78.8 |
| 98 | 48.0 | 39.7 | 59.5 |

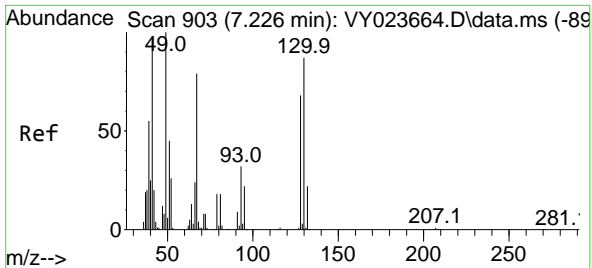


#40
 Benzene
 Concen: 3.932 ug/l
 RT: 8.085 min Scan# 1044
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 78 Resp: 88567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78 | 100 | | |
| 77 | 22.4 | 18.8 | 28.2 |



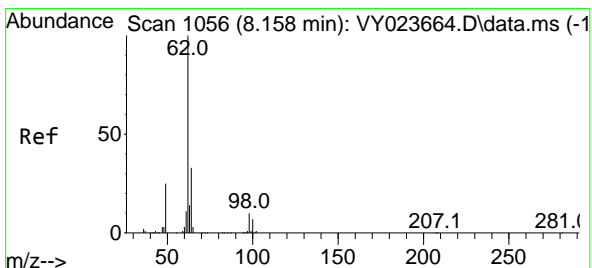
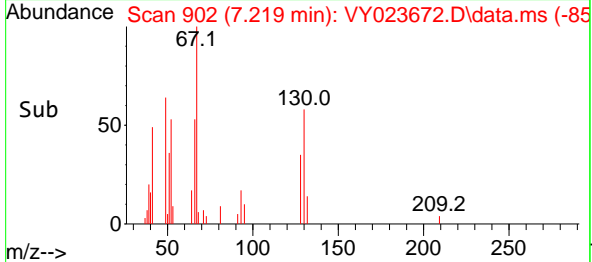
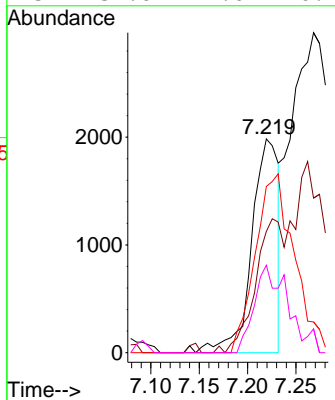
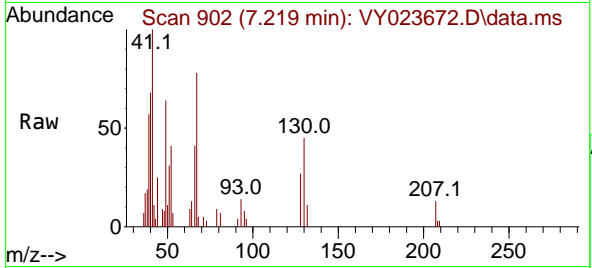


#41
 Methacrylonitrile
 Concen: 2.546 ug/l
 RT: 7.219 min Scan# 903
 Delta R.T. -0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 41 Resp: 3844

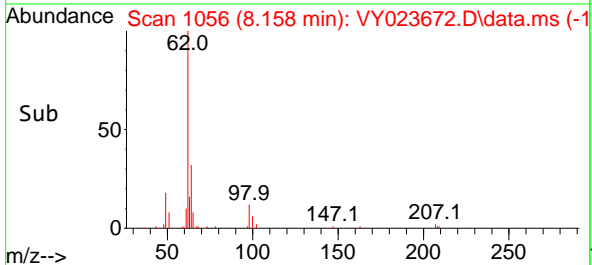
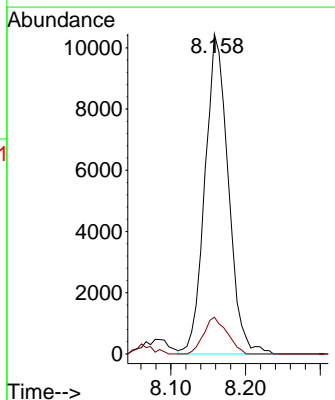
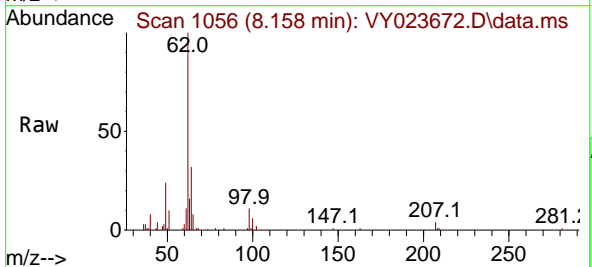
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|--------|
| 41 | 100 | | |
| 39 | 66.1 | 38.6 | 57.8# |
| 67 | 120.9 | 71.3 | 106.9# |
| 52 | 51.6 | 27.0 | 40.4# |

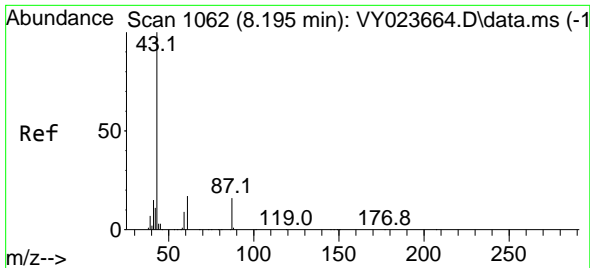


#42
 1,2-Dichloroethane
 Concen: 3.987 ug/l
 RT: 8.158 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 62 Resp: 22721

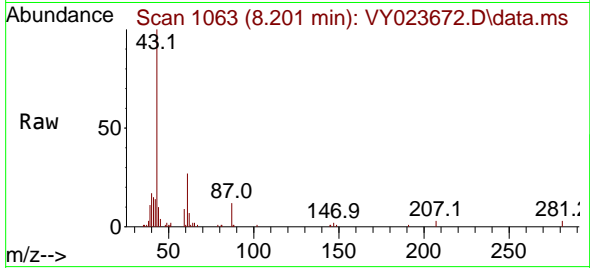
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62 | 100 | | |
| 98 | 11.5 | 0.0 | 21.0 |



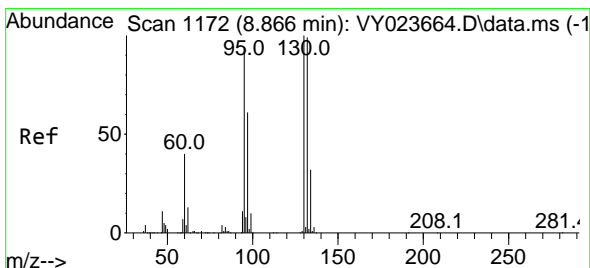
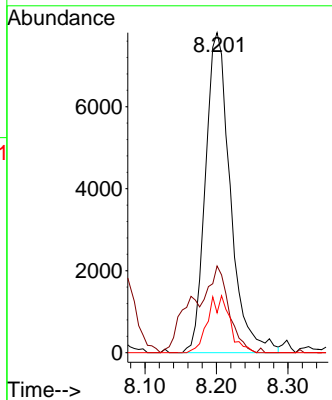
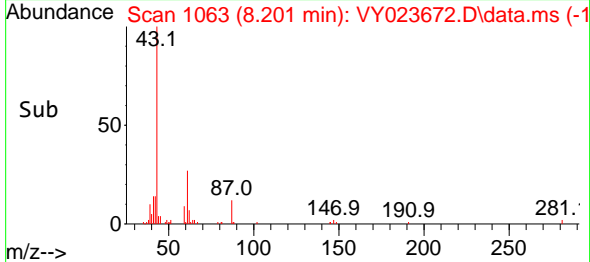


#43
 Isopropyl Acetate
 Concen: 3.619 ug/l
 RT: 8.201 min Scan# 1063
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

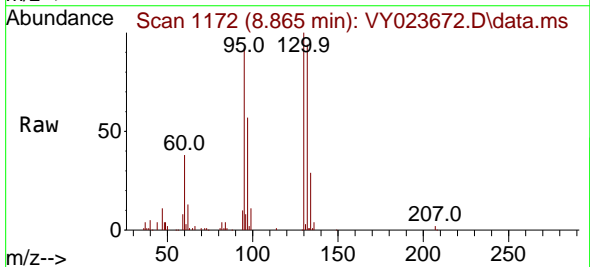
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



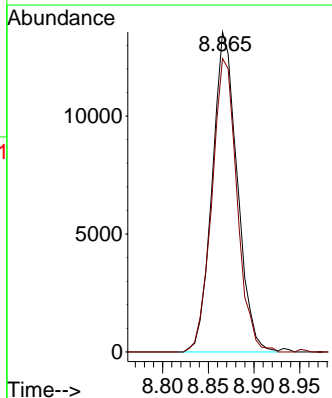
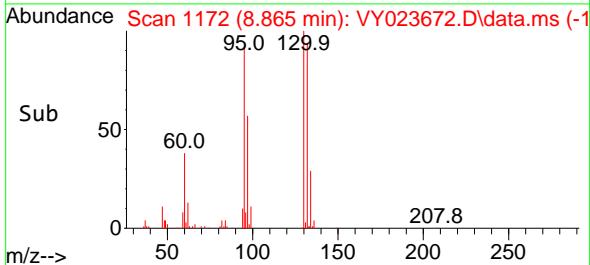
Tgt Ion: 43 Resp: 18808
 Ion Ratio Lower Upper
 43 100
 61 24.0 18.2 27.2
 87 16.1 13.3 19.9

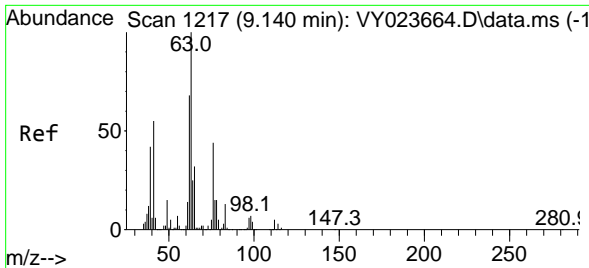


#44
 Trichloroethene
 Concen: 3.989 ug/l
 RT: 8.865 min Scan# 1172
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion:130 Resp: 25806
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 187.0

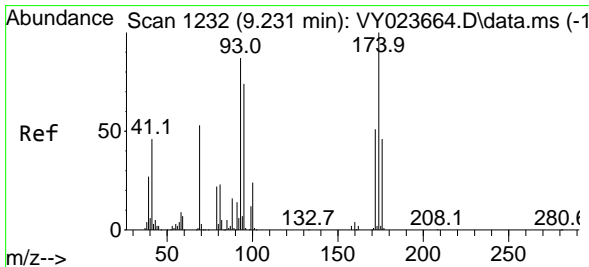
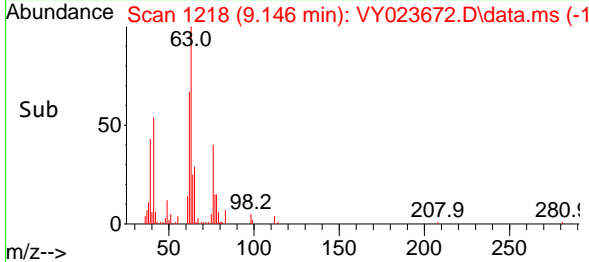
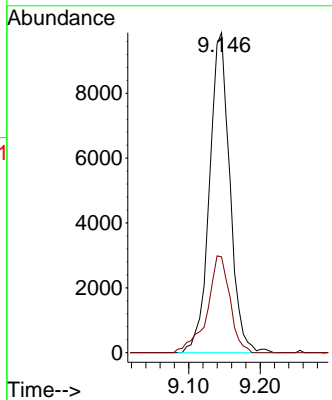
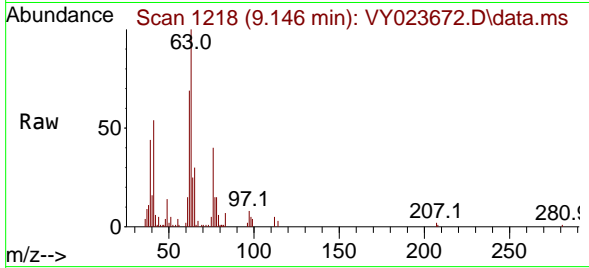




#45
 1,2-Dichloropropane
 Concen: 3.924 ug/l
 RT: 9.146 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

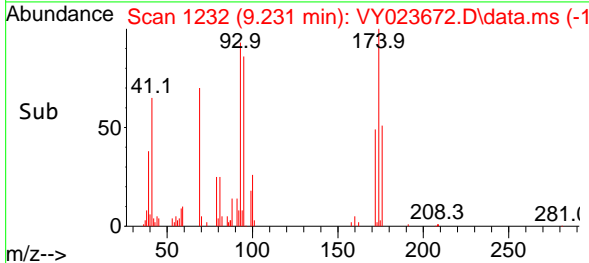
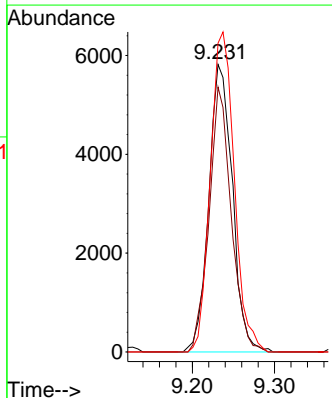
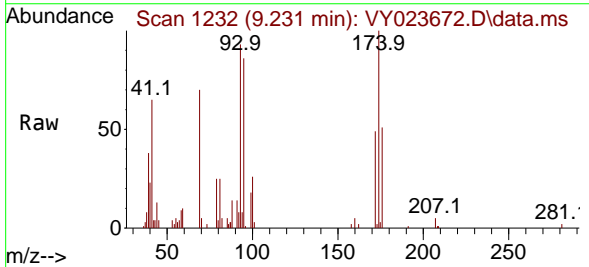
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

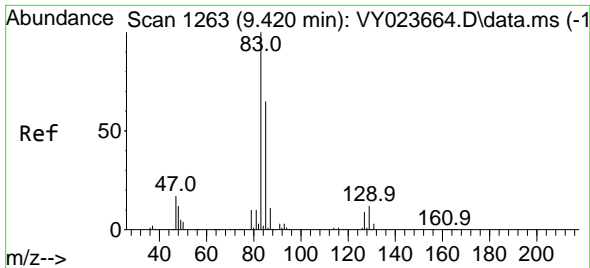
Tgt Ion: 63 Resp: 19506
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.6 38.4



#46
 Dibromomethane
 Concen: 3.767 ug/l
 RT: 9.231 min Scan# 1232
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

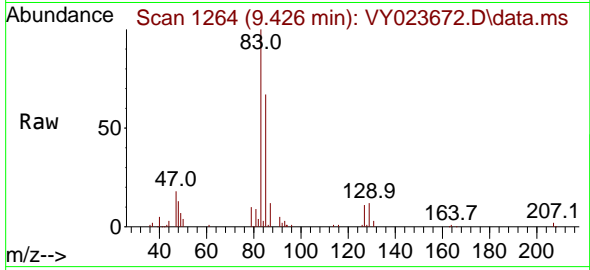
Tgt Ion: 93 Resp: 11601
 Ion Ratio Lower Upper
 93 100
 95 86.8 67.4 101.2
 174 113.1 89.4 134.0



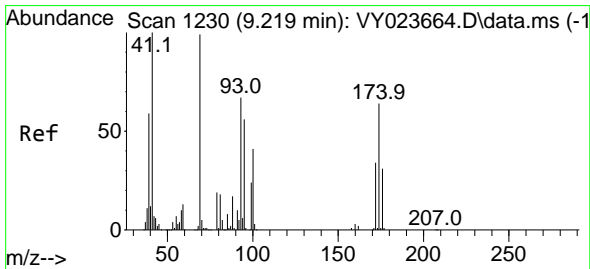
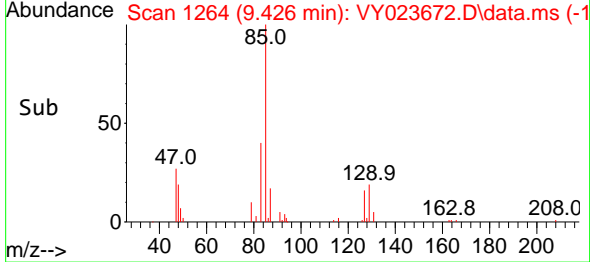
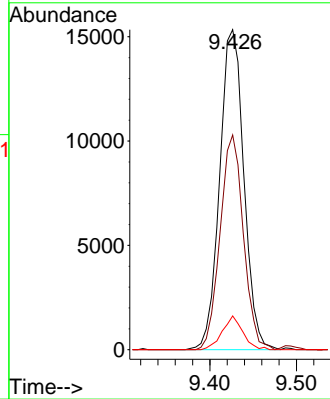


#47
 Bromodichloromethane
 Concen: 3.829 ug/l
 RT: 9.426 min Scan# 1264
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

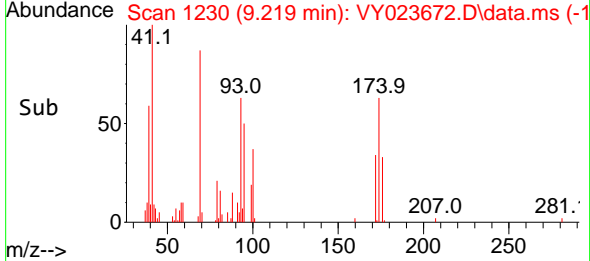
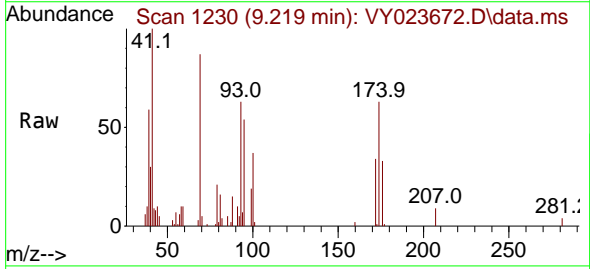
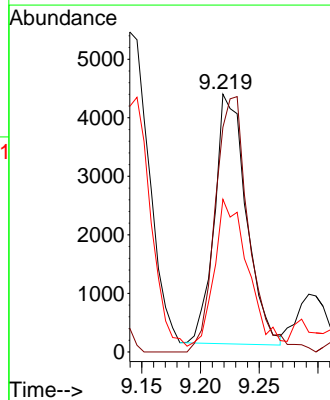


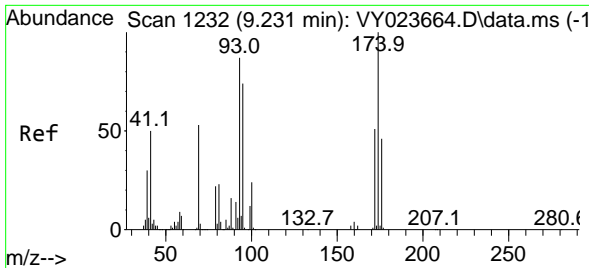
Tgt Ion: 83 Resp: 29735
 Ion Ratio Lower Upper
 83 100
 85 67.1 52.1 78.1
 127 10.6 7.5 11.3



#48
 Methyl methacrylate
 Concen: 3.269 ug/l
 RT: 9.219 min Scan# 1230
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 41 Resp: 8028
 Ion Ratio Lower Upper
 41 100
 69 108.4 80.2 120.2
 39 62.3 47.4 71.0

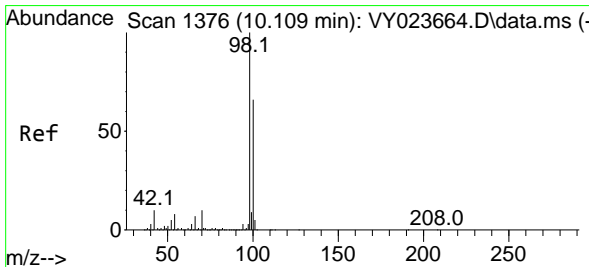
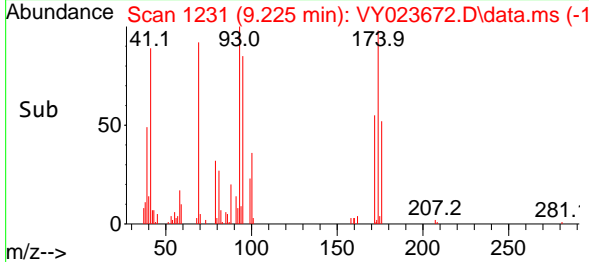
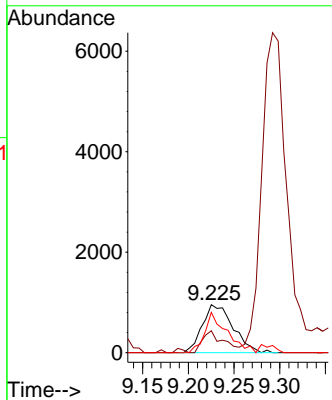
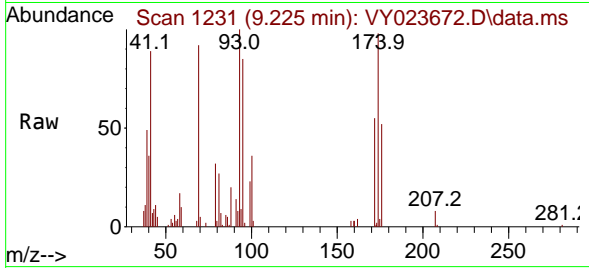




#49
 1,4-Dioxane
 Concen: 70.907 ug/l
 RT: 9.225 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

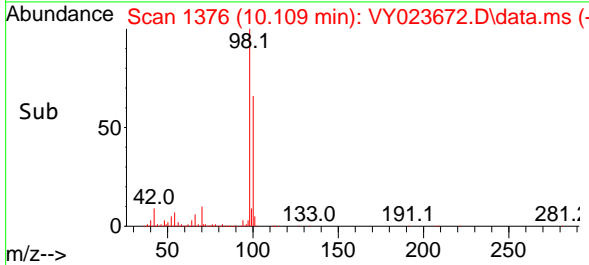
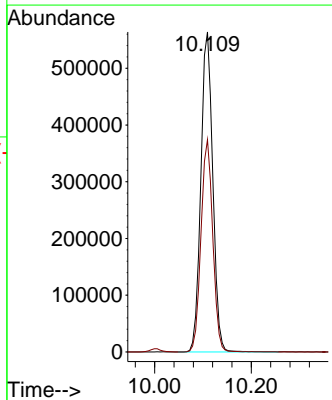
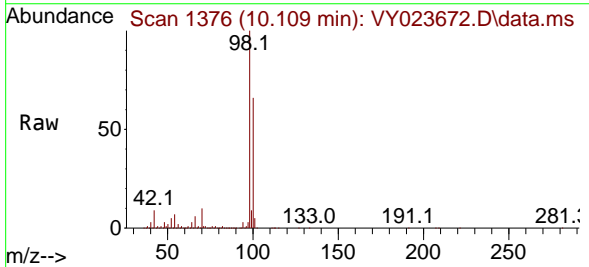
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

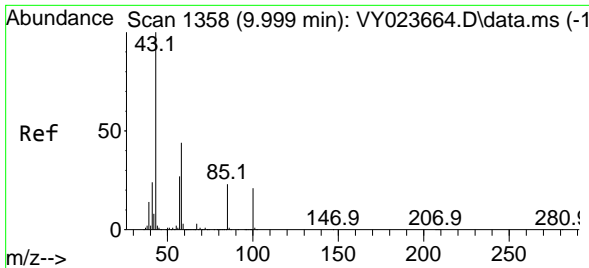
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 88 | 2235 | | |
| 88 | 100 | | |
| 43 | 31.4 | 22.0 | 33.0 |
| 58 | 60.5 | 47.8 | 71.8 |



#50
 Toluene-d8
 Concen: 48.394 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

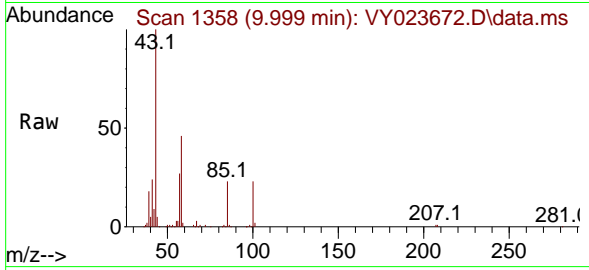
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 98 | 963982 | | |
| 98 | 100 | | |
| 100 | 65.5 | 52.7 | 79.1 |



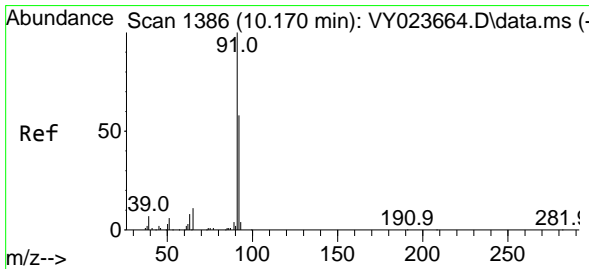
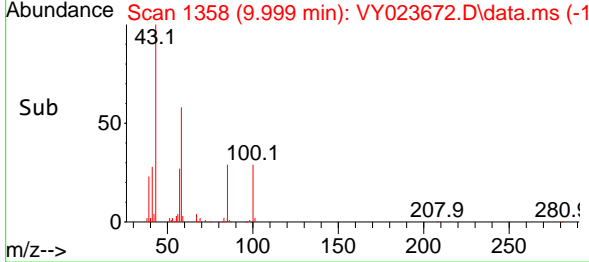
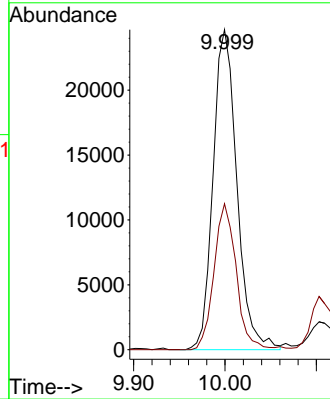


#51
 4-Methyl-2-Pentanone
 Concen: 16.151 ug/l
 RT: 9.999 min Scan# 1358
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

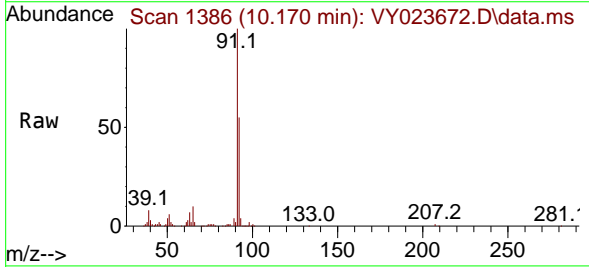
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



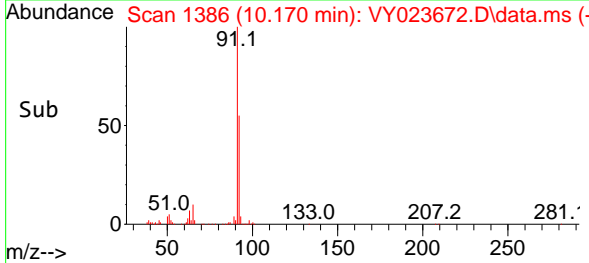
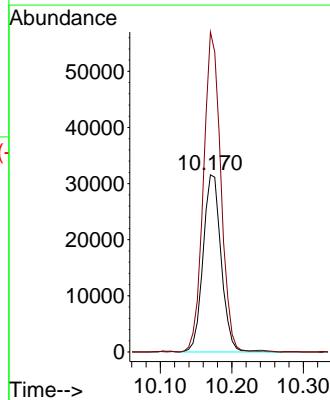
Tgt Ion: 43 Resp: 44642
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.8 52.2

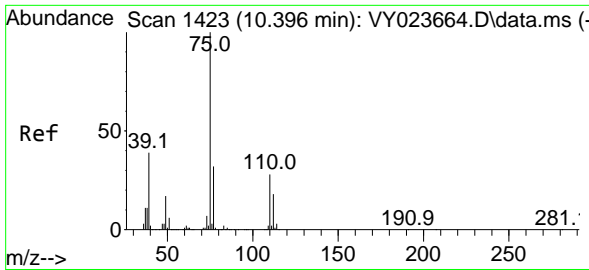


#52
 Toluene
 Concen: 3.847 ug/l
 RT: 10.170 min Scan# 1386
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 92 Resp: 55316
 Ion Ratio Lower Upper
 92 100
 91 173.9 137.8 206.8

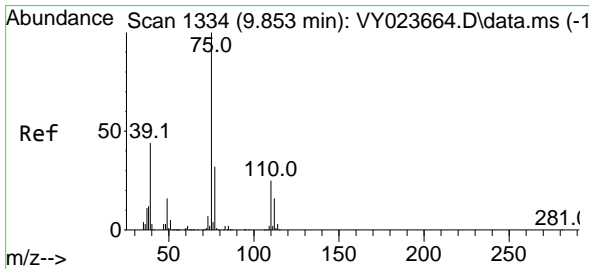
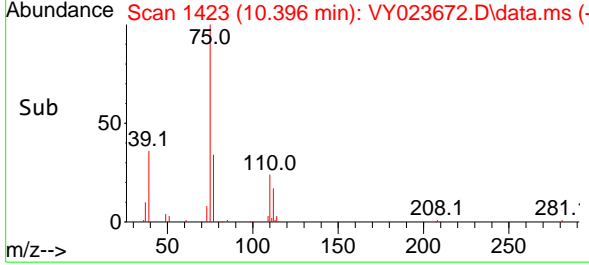
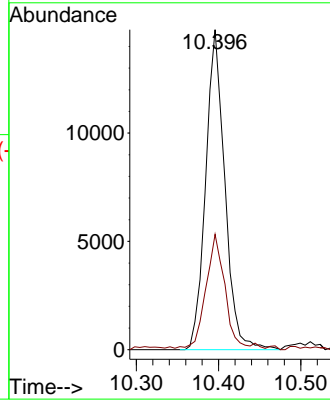
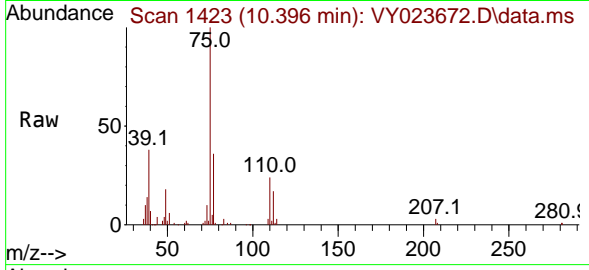




#53
 t-1,3-Dichloropropene
 Concen: 3.639 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

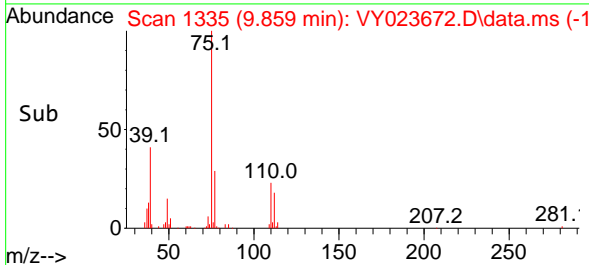
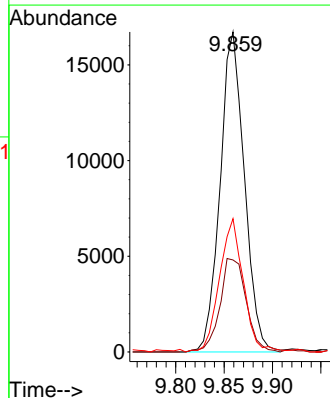
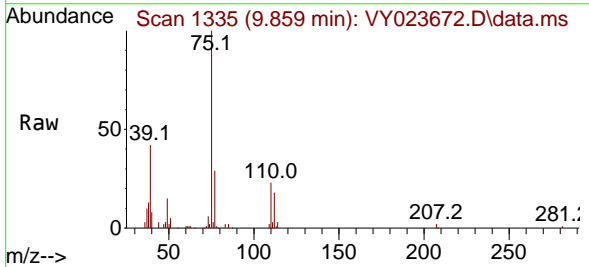
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

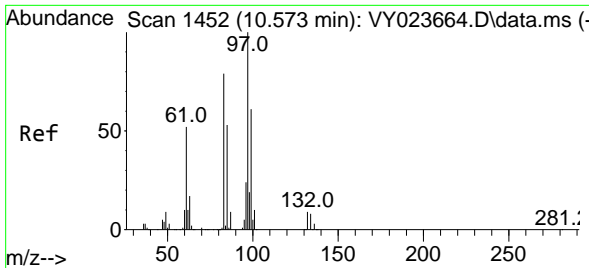
Tgt Ion: 75 Resp: 23912
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 3.704 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

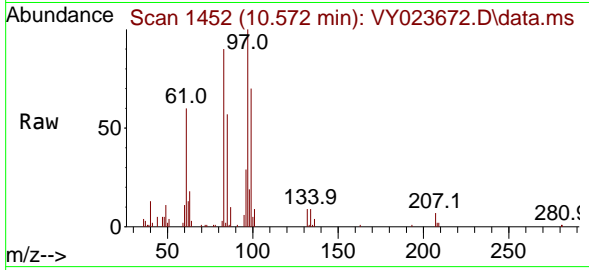
Tgt Ion: 75 Resp: 29158
 Ion Ratio Lower Upper
 75 100
 77 28.8 25.7 38.5
 39 41.0 34.9 52.3





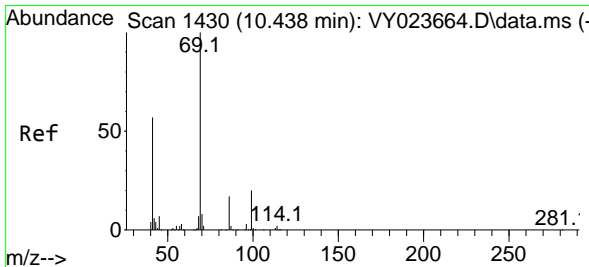
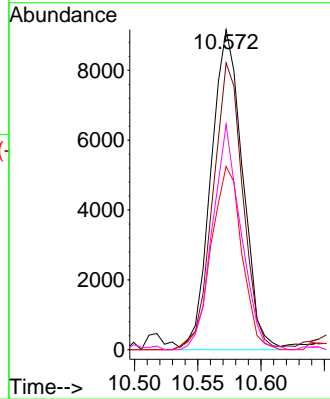
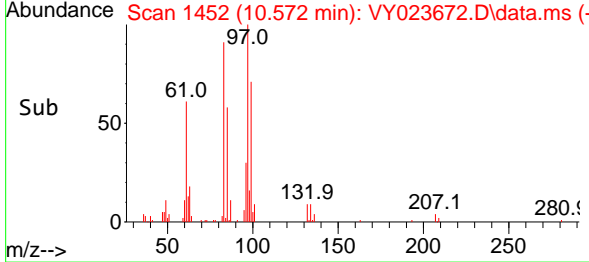
#55
 1,1,2-Trichloroethane
 Concen: 3.848 ug/l
 RT: 10.572 min Scan# 1452
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

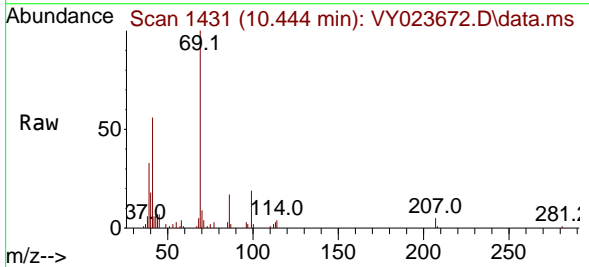


Tgt Ion: 97 Resp: 15840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97 | 100 | | |
| 83 | 89.2 | 63.3 | 94.9 |
| 85 | 57.7 | 42.4 | 63.6 |
| 99 | 70.9 | 48.5 | 72.7 |

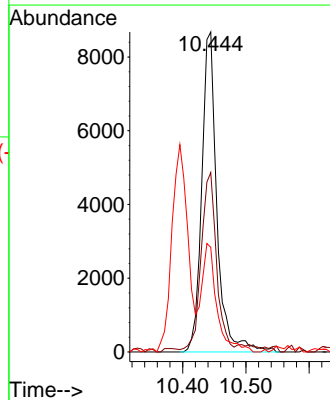
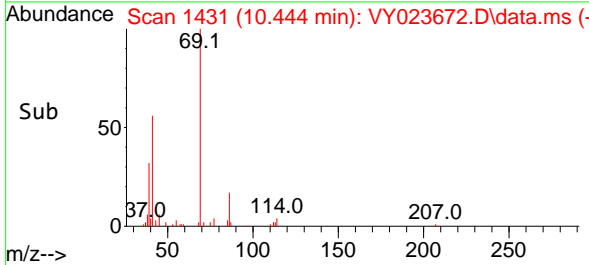


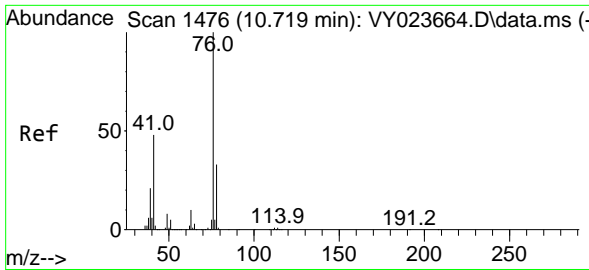
#56
 Ethyl methacrylate
 Concen: 3.207 ug/l
 RT: 10.444 min Scan# 1431
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 69 Resp: 14545

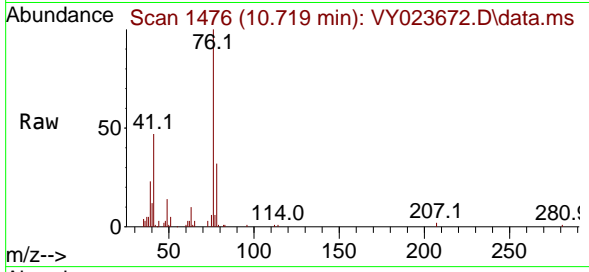
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69 | 100 | | |
| 41 | 54.8 | 45.0 | 67.4 |
| 39 | 34.1 | 25.1 | 37.7 |



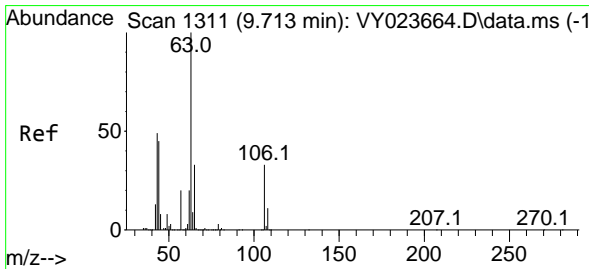
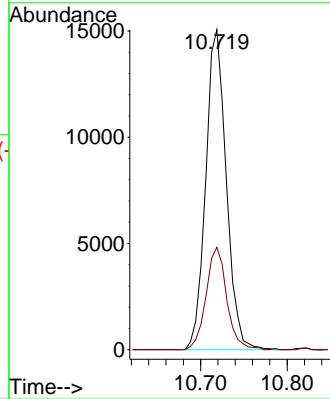
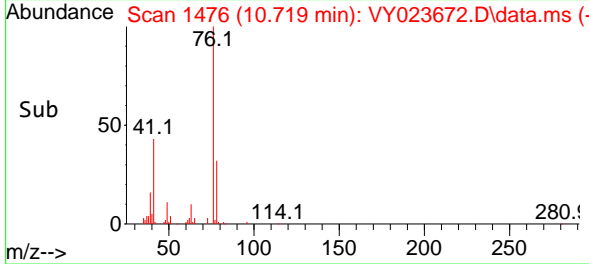


#57
 1,3-Dichloropropane
 Concen: 3.800 ug/l
 RT: 10.719 min Scan# 1476
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

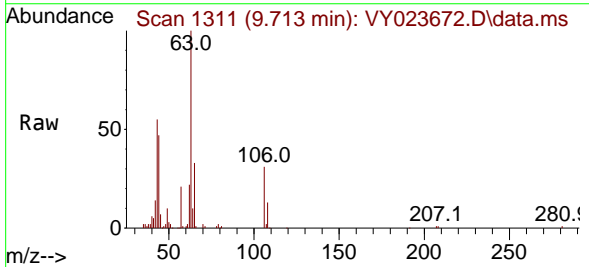
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



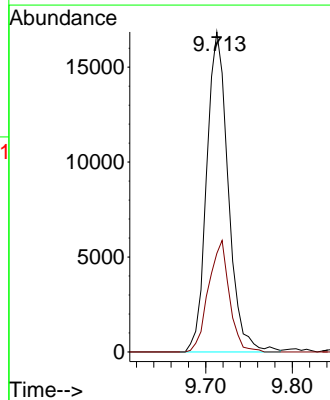
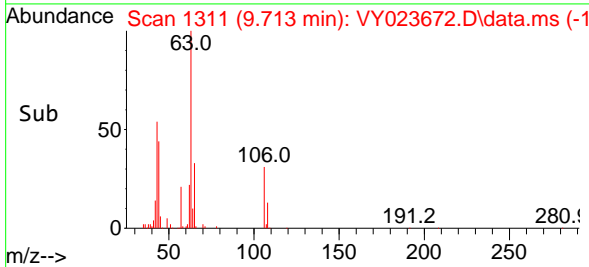
Tgt Ion: 76 Resp: 24810
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0

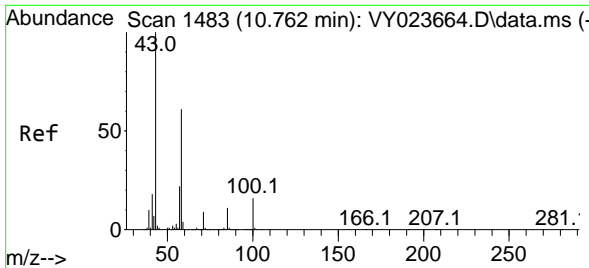


#58
 2-Chloroethyl Vinyl ether
 Concen: 14.024 ug/l
 RT: 9.713 min Scan# 1311
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 63 Resp: 29184
 Ion Ratio Lower Upper
 63 100
 106 33.7 26.2 39.2

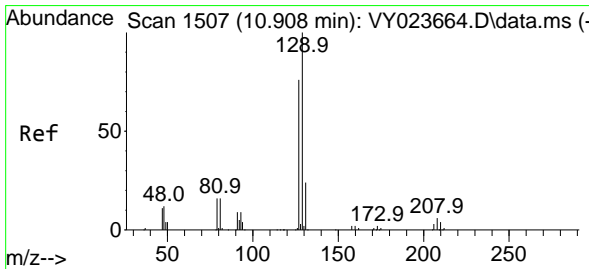
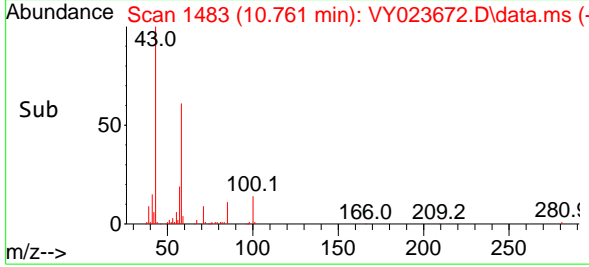
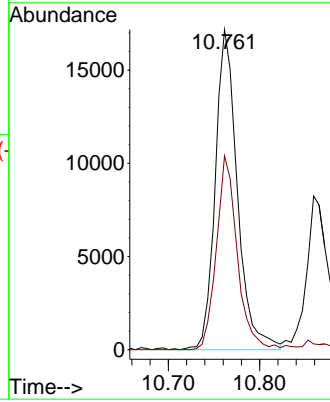
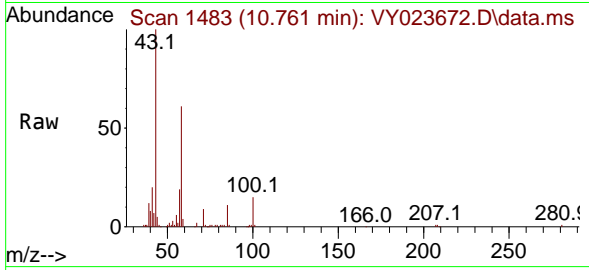




#59
 2-Hexanone
 Concen: 14.304 ug/l
 RT: 10.761 min Scan# 1483
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

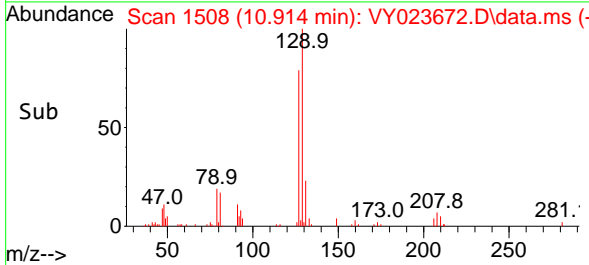
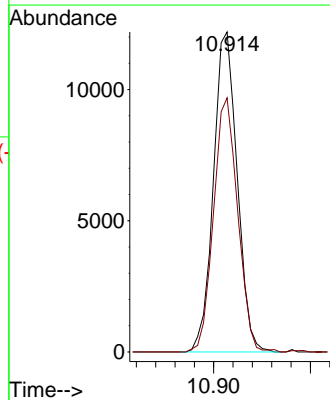
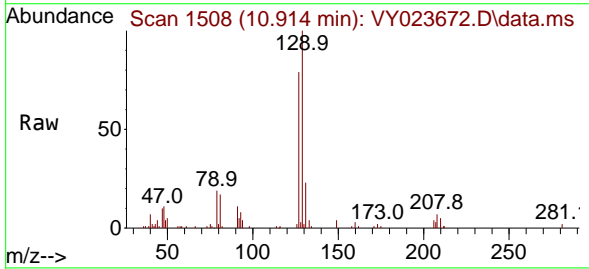
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

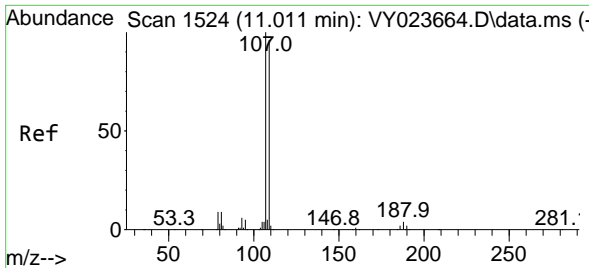
Tgt Ion: 43 Resp: 28844
 Ion Ratio Lower Upper
 43 100
 58 57.2 30.2 90.6



#60
 Dibromochloromethane
 Concen: 3.675 ug/l
 RT: 10.914 min Scan# 1508
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 129 Resp: 20784
 Ion Ratio Lower Upper
 129 100
 127 80.8 38.4 115.2

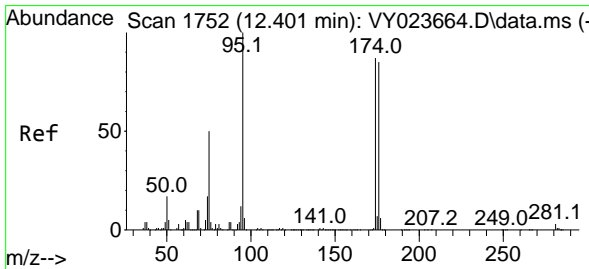
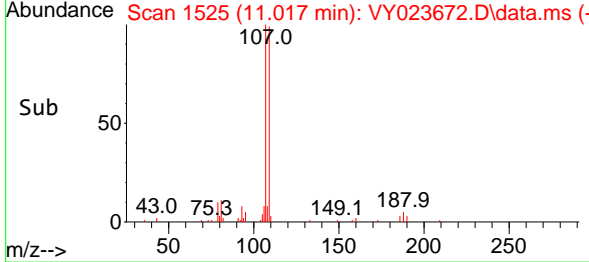
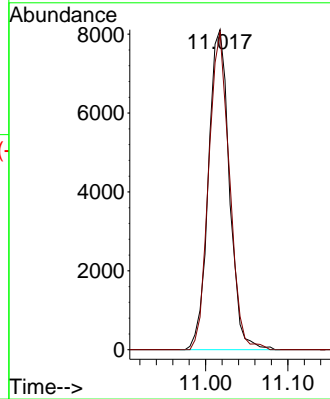
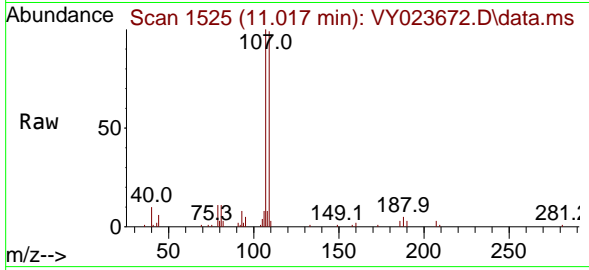




#61
 1,2-Dibromoethane
 Concen: 3.726 ug/l
 RT: 11.017 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

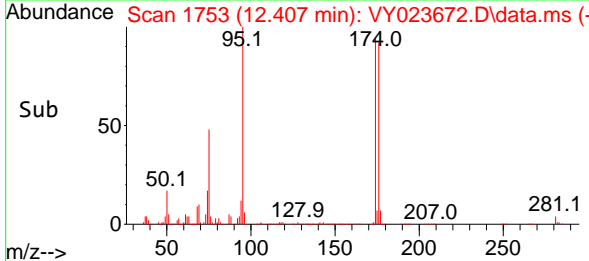
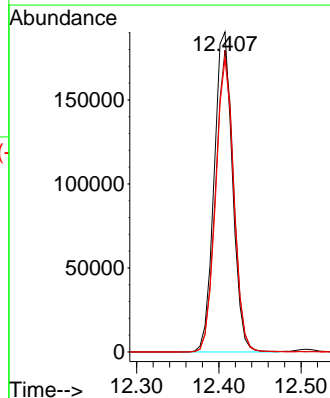
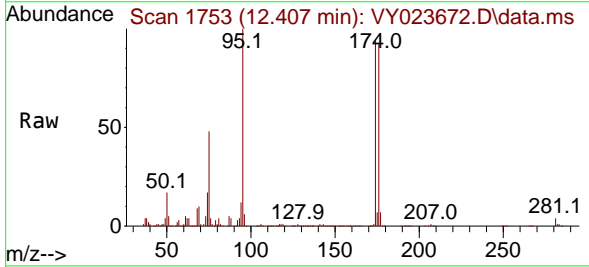
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

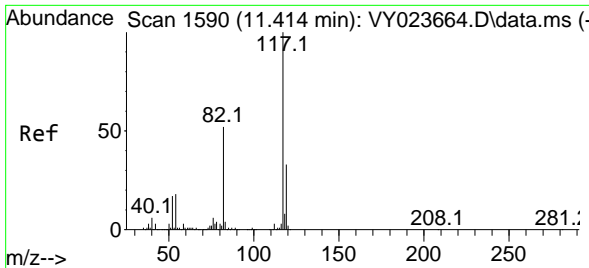
Tgt Ion:107 Resp: 14394
 Ion Ratio Lower Upper
 107 100
 109 98.0 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 45.973 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 95 Resp: 296144
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 184.8
 176 89.9 0.0 181.6



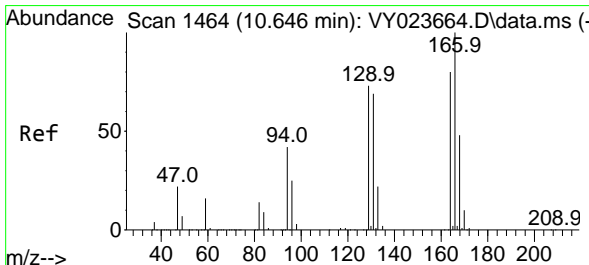
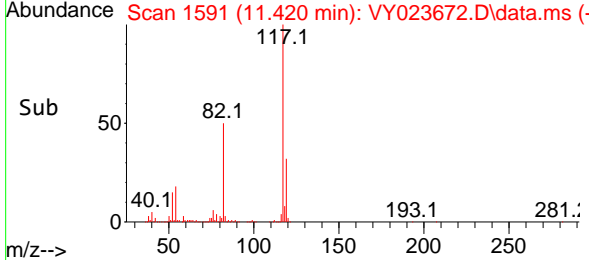
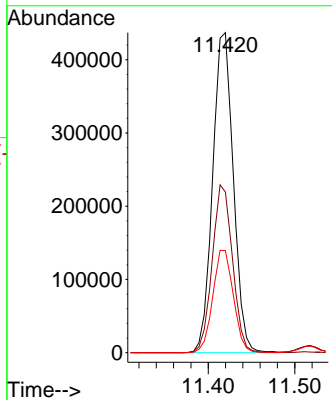
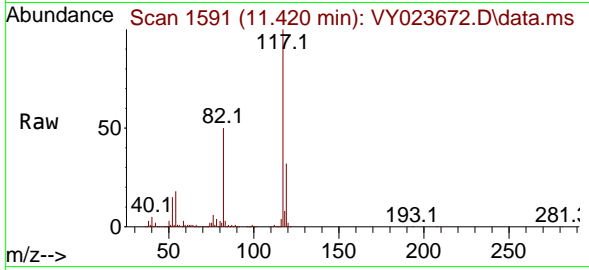


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.420 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:117 Resp: 724672

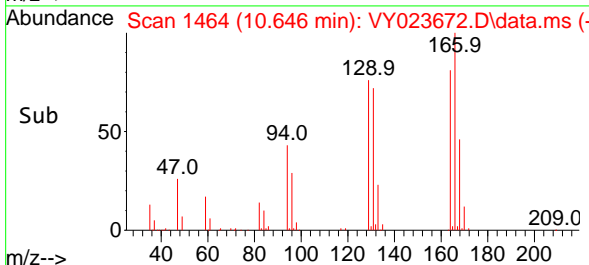
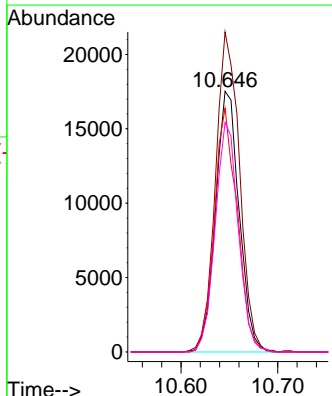
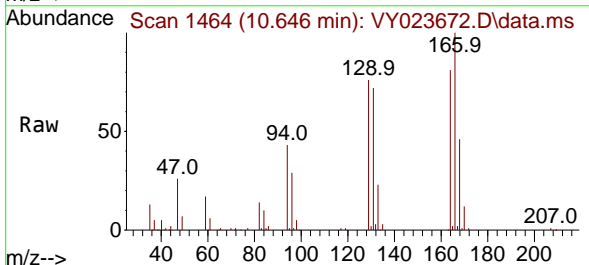
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100 | | |
| 82 | 50.2 | 41.2 | 61.8 |
| 119 | 31.9 | 26.2 | 39.2 |

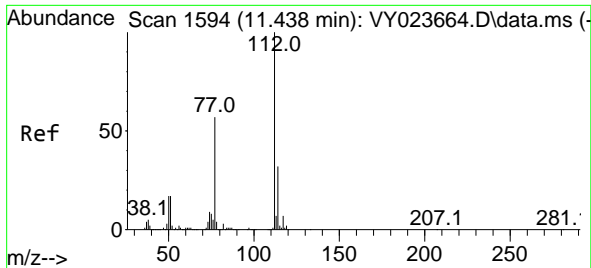


#64
 Tetrachloroethene
 Concen: 3.934 ug/l
 RT: 10.646 min Scan# 1464
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:164 Resp: 29675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 166 | 122.8 | 99.5 | 149.3 |
| 129 | 93.5 | 72.3 | 108.5 |
| 131 | 88.0 | 69.1 | 103.7 |

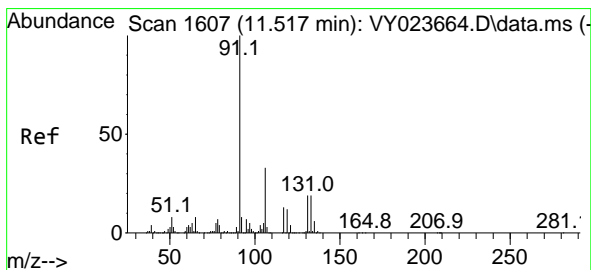
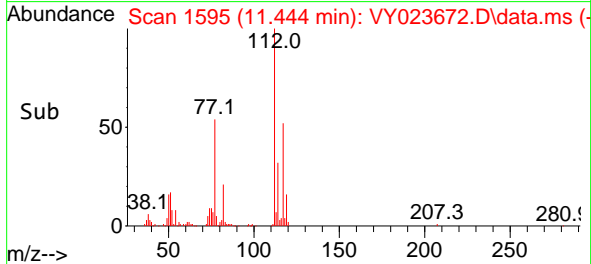
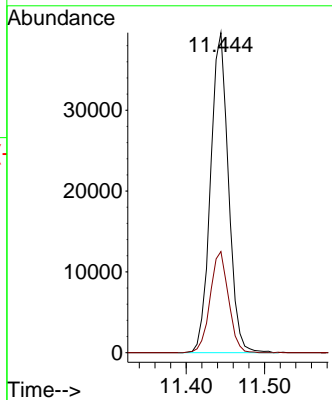
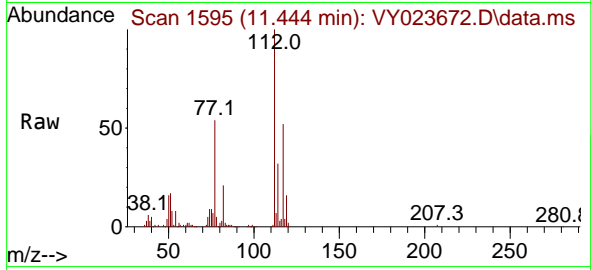




#65
 Chlorobenzene
 Concen: 3.988 ug/l
 RT: 11.444 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

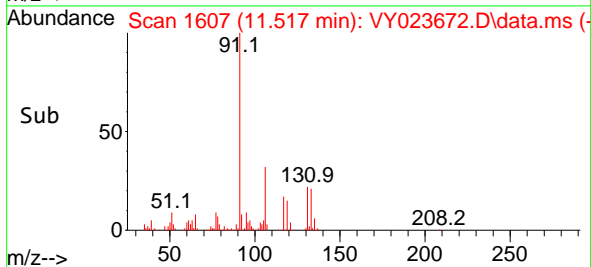
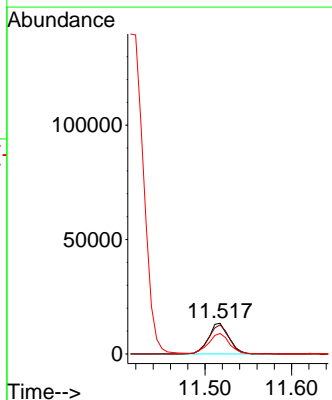
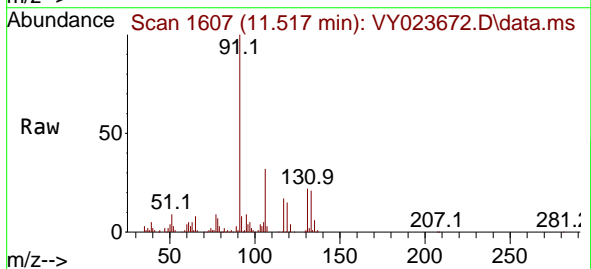
Instrument :
 MSVOA_Y
ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

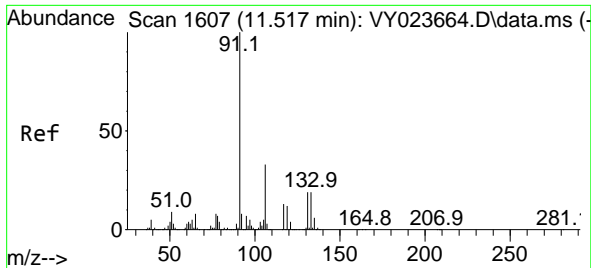
Tgt Ion:112 Resp: 62910
 Ion Ratio Lower Upper
 112 100
 114 31.6 25.8 38.6



#66
 1,1,1,2-Tetrachloroethane
 Concen: 3.897 ug/l
 RT: 11.517 min Scan# 1607
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:131 Resp: 21740
 Ion Ratio Lower Upper
 131 100
 133 97.2 47.3 141.8
 119 69.3 32.5 97.4

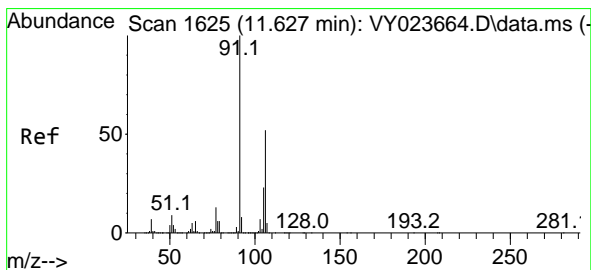
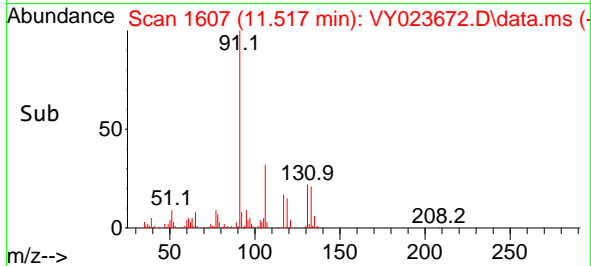
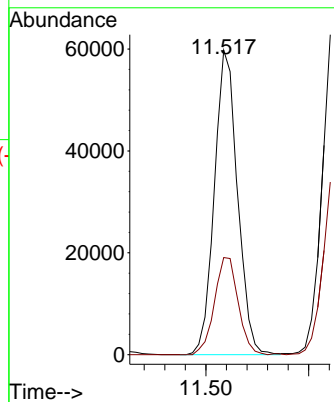
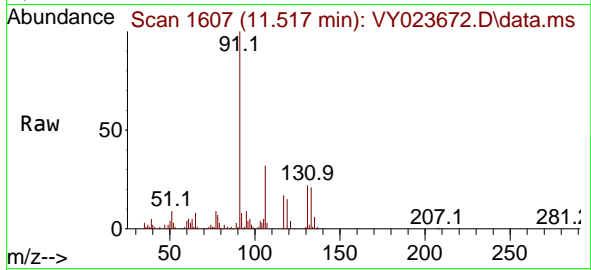




#67
 Ethyl Benzene
 Concen: 3.656 ug/l
 RT: 11.517 min Scan# 1607
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

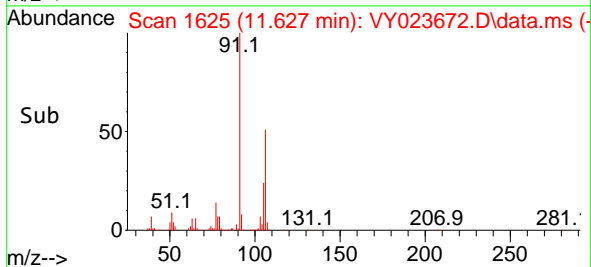
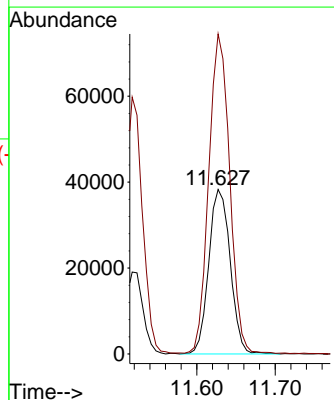
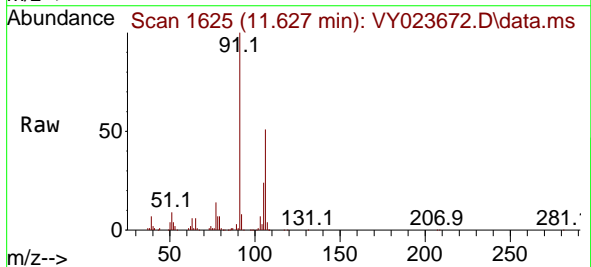
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

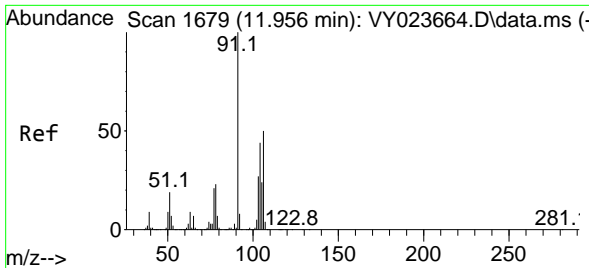
Tgt Ion: 91 Resp: 93345
 Ion Ratio Lower Upper
 91 100
 106 31.9 26.6 40.0



#68
 m/p-Xylenes
 Concen: 7.151 ug/l
 RT: 11.627 min Scan# 1625
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:106 Resp: 72946
 Ion Ratio Lower Upper
 106 100
 91 189.8 154.3 231.5

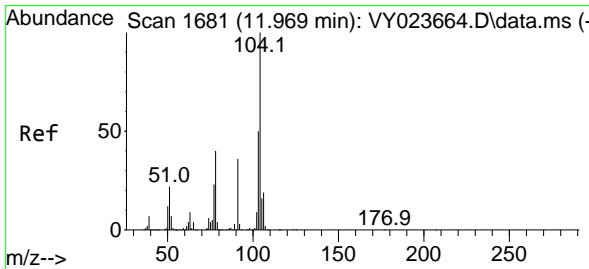
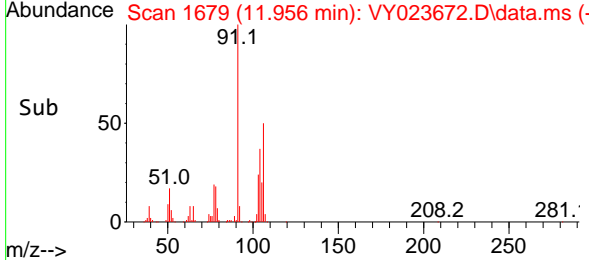
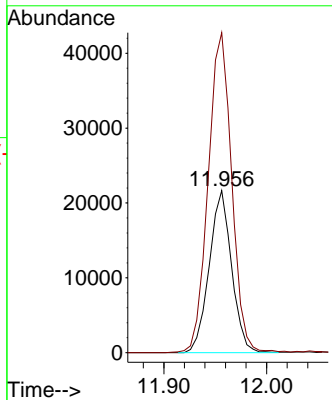
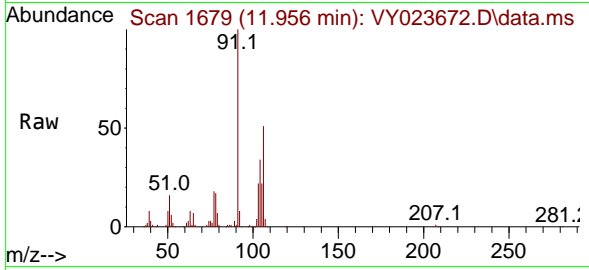




#69
 o-Xylene
 Concen: 3.477 ug/l
 RT: 11.956 min Scan# 1679
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

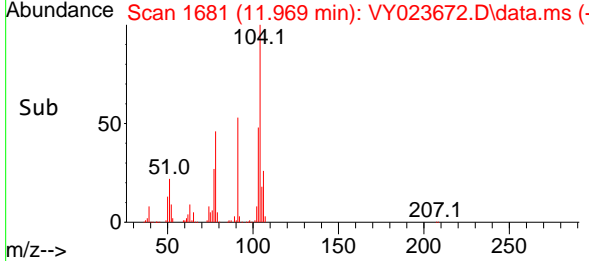
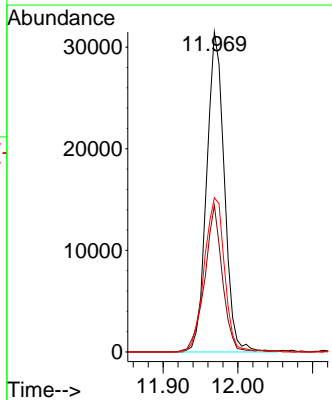
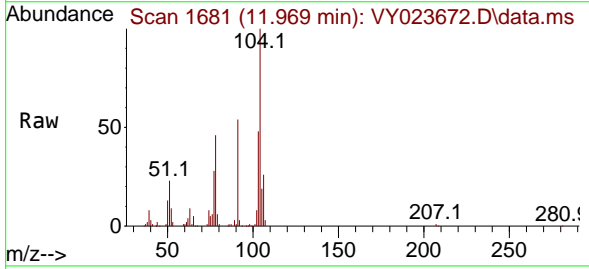
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

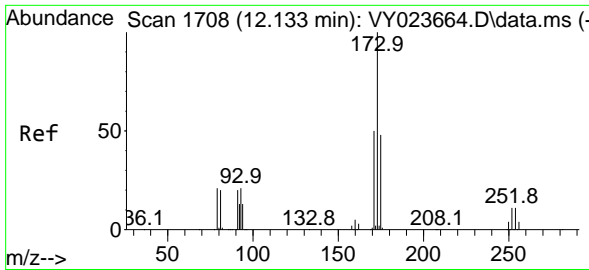
Tgt Ion:106 Resp: 32787
 Ion Ratio Lower Upper
 106 100
 91 207.6 101.6 304.6



#70
 Styrene
 Concen: 3.332 ug/l
 RT: 11.969 min Scan# 1681
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:104 Resp: 51844
 Ion Ratio Lower Upper
 104 100
 78 45.7 36.5 54.7
 103 55.4 43.7 65.5



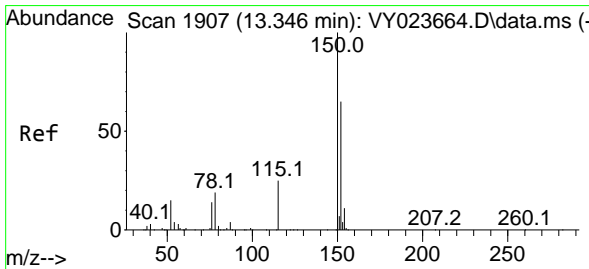
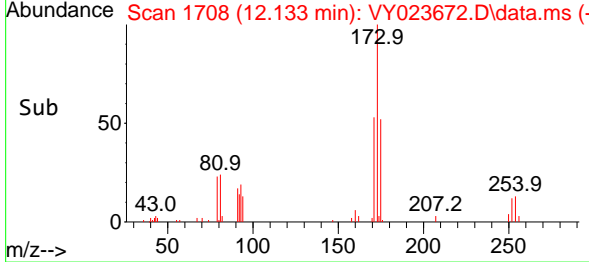
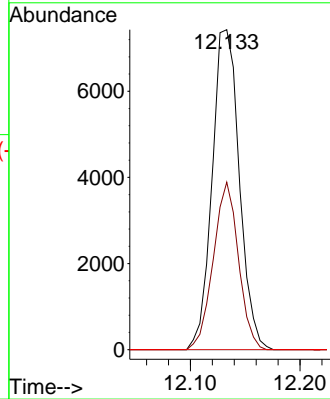
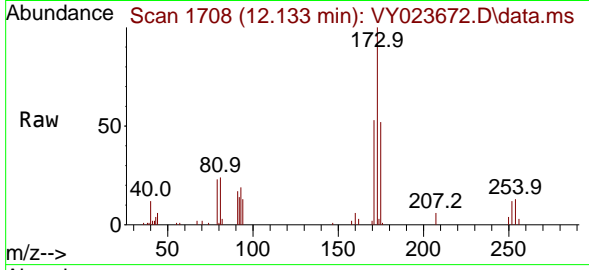


#71
 Bromoform
 Concen: 3.931 ug/l
 RT: 12.133 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:173 Resp: 12808

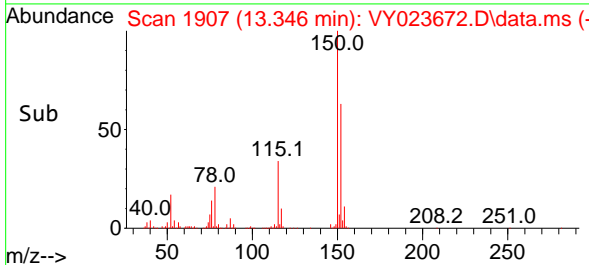
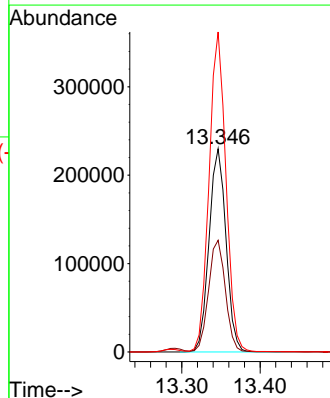
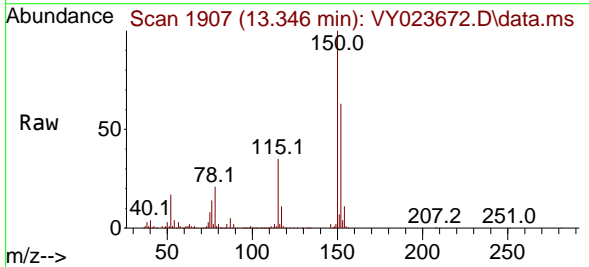
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100 | | |
| 175 | 48.4 | 24.2 | 72.6 |
| 254 | 0.0 | 0.2 | 0.2# |

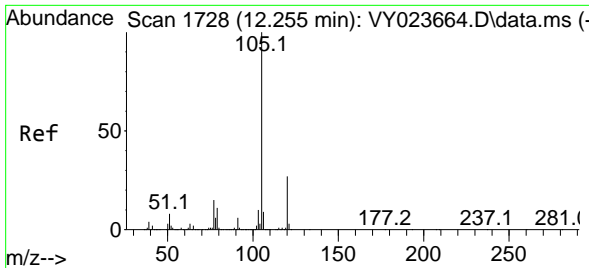


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:152 Resp: 345951

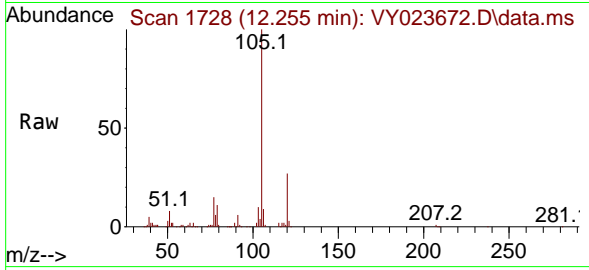
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100 | | |
| 115 | 54.5 | 27.5 | 82.5 |
| 150 | 155.8 | 0.0 | 349.0 |



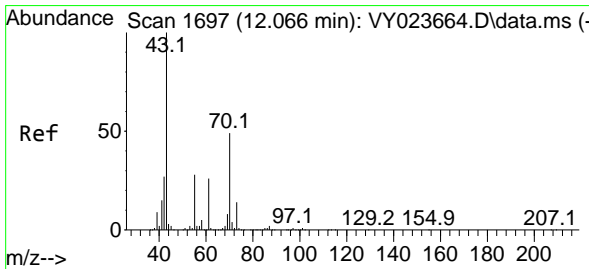
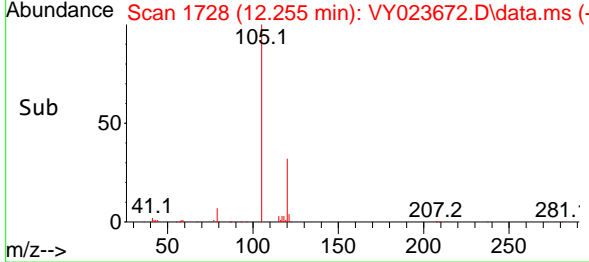
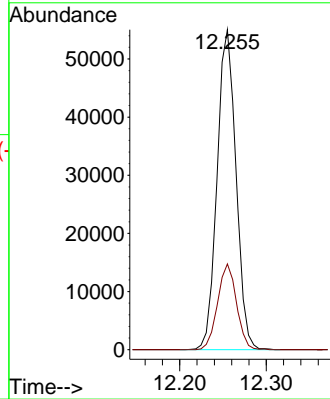


#73
 Isopropylbenzene
 Concen: 3.605 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

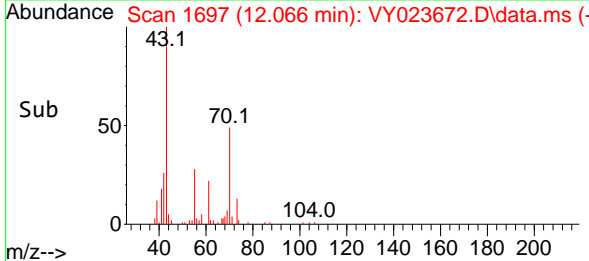
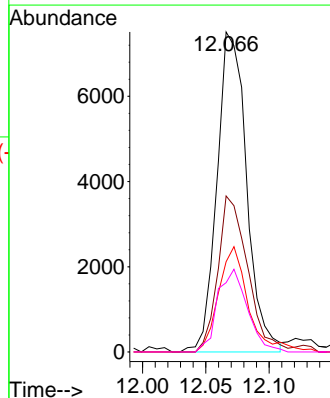
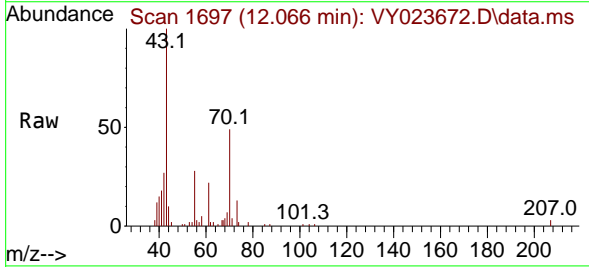


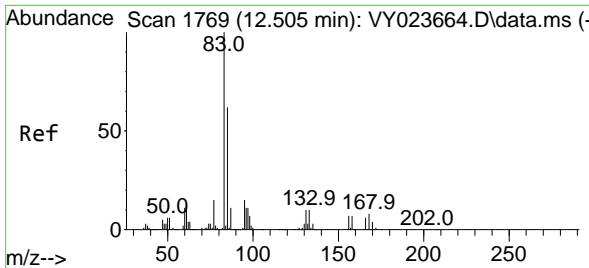
Tgt Ion: 105 Resp: 83401
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.6 40.7



#74
 N-ethyl acetate
 Concen: 3.120 ug/l
 RT: 12.066 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

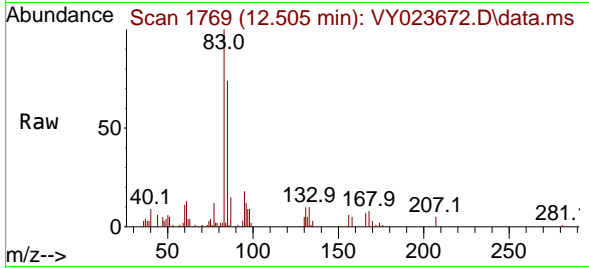
Tgt Ion: 43 Resp: 12223
 Ion Ratio Lower Upper
 43 100
 70 48.9 40.1 60.1
 55 33.2 23.0 34.6
 61 26.1 21.3 31.9



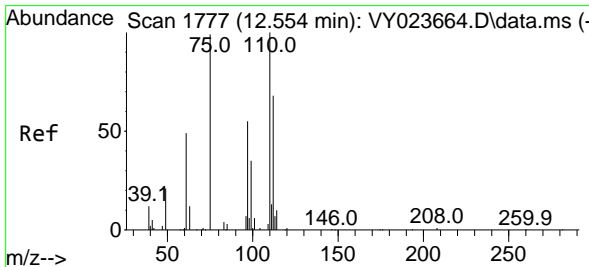
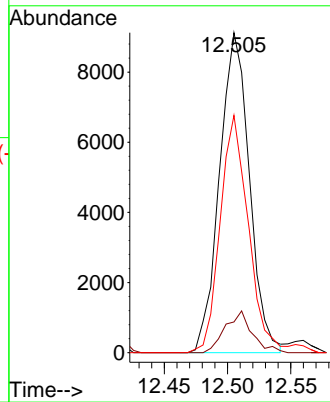
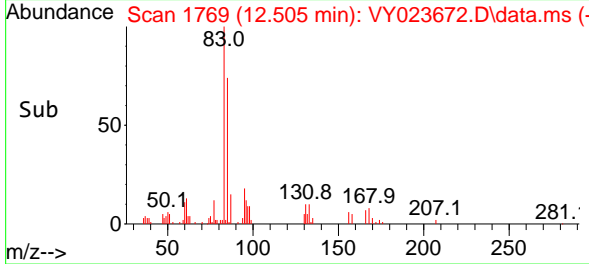


#75
 1,1,2-Tetrachloroethane
 Concen: 4.057 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

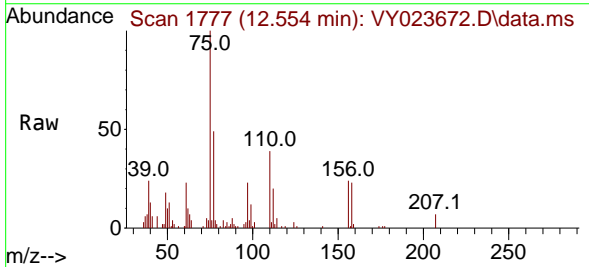
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025



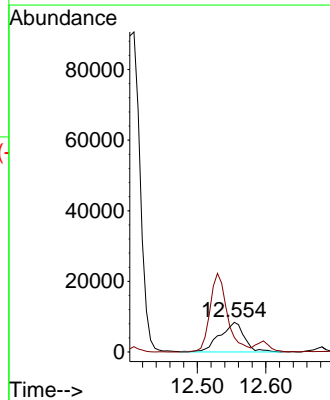
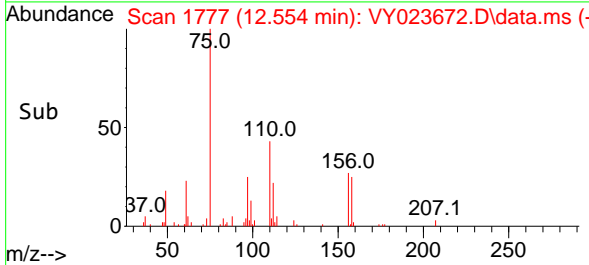
Tgt Ion: 83 Resp: 14992
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.7 17.0
 85 69.8 31.9 95.7

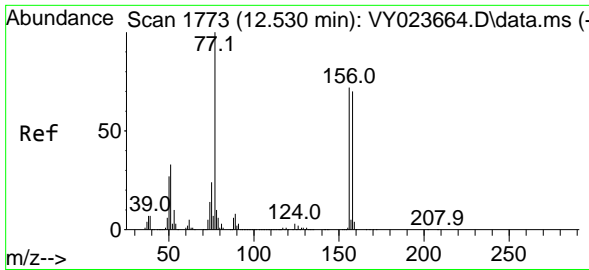


#76
 1,2,3-Trichloropropane
 Concen: 7.475 ug/l
 RT: 12.554 min Scan# 1777
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



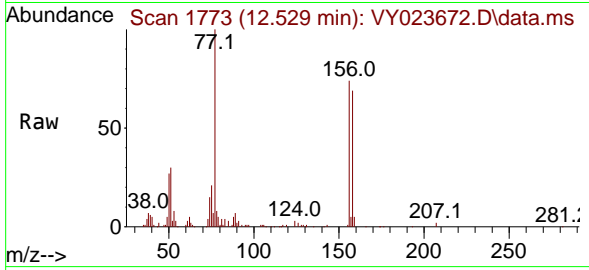
Tgt Ion: 75 Resp: 20929
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



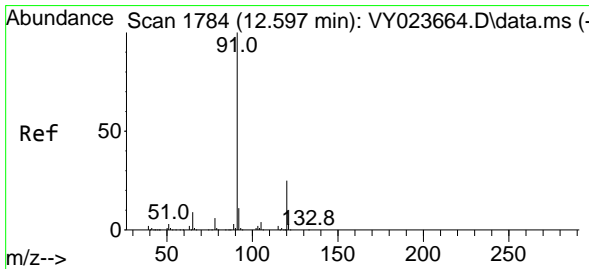
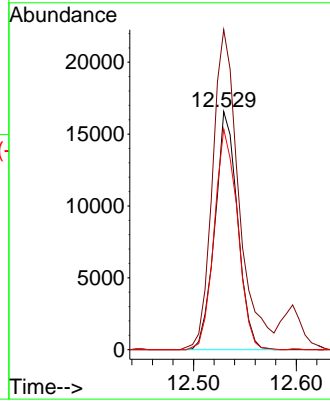
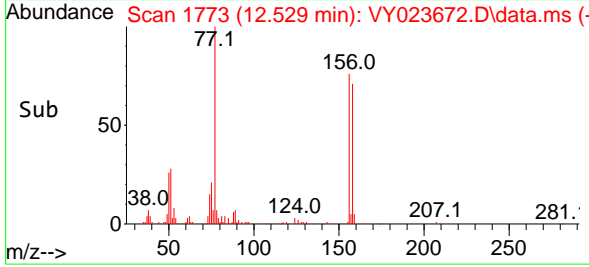


#77
 Bromobenzene
 Concen: 4.228 ug/l
 RT: 12.529 min Scan# 1773
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

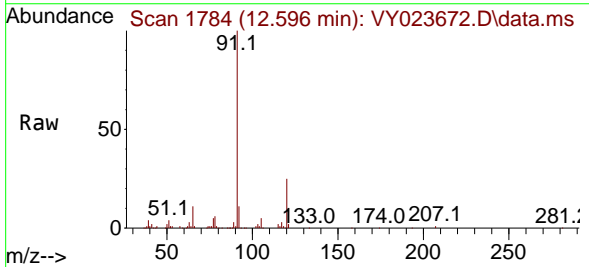
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



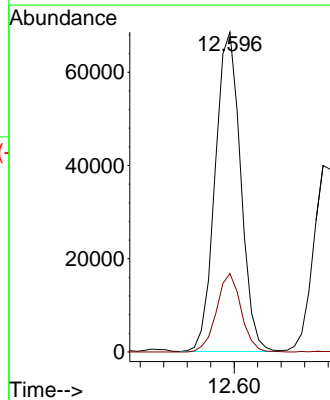
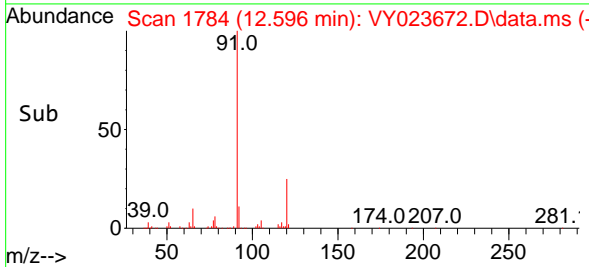
Tgt Ion:156 Resp: 25375
 Ion Ratio Lower Upper
 156 100
 77 155.9 77.9 233.7
 158 95.6 48.5 145.5

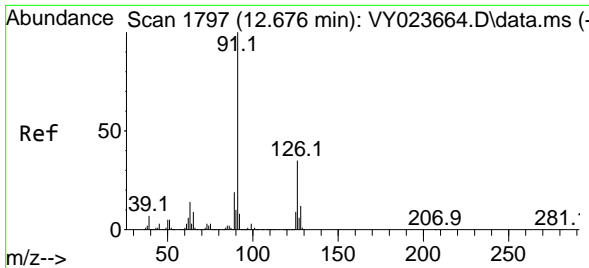


#78
 n-propylbenzene
 Concen: 3.794 ug/l
 RT: 12.596 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



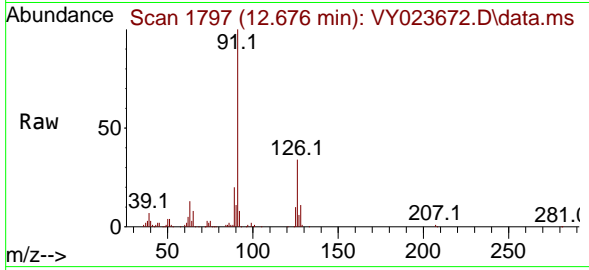
Tgt Ion: 91 Resp: 103265
 Ion Ratio Lower Upper
 91 100
 120 23.6 12.0 36.1



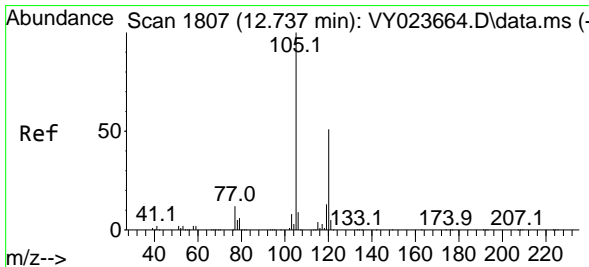
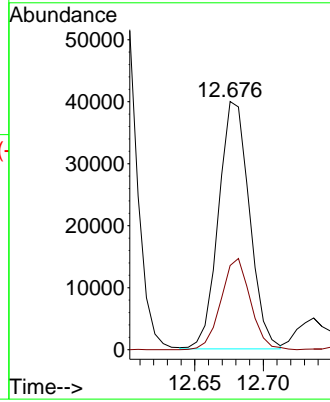
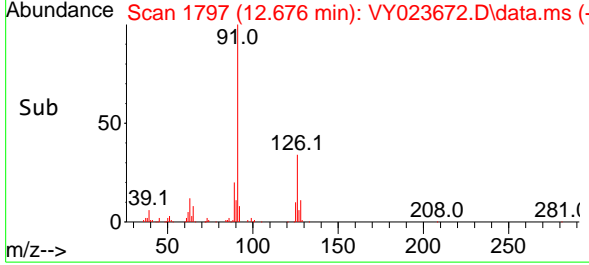


#79
 2-Chlorotoluene
 Concen: 3.967 ug/l
 RT: 12.676 min Scan# 1797
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

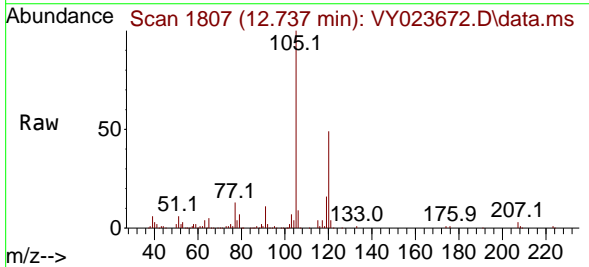
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



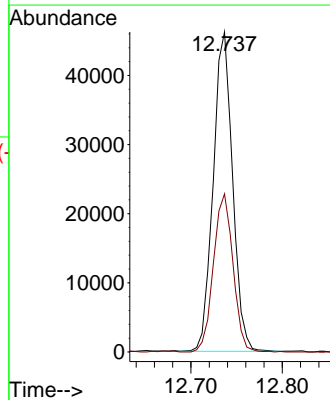
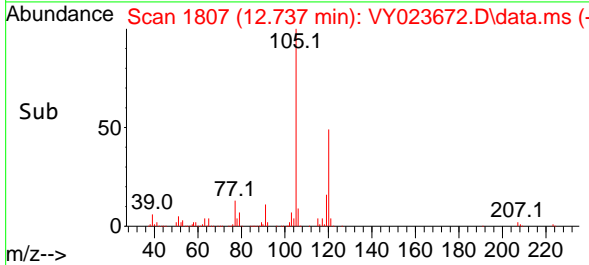
Tgt Ion: 91 Resp: 62647
 Ion Ratio Lower Upper
 91 100
 126 35.0 18.0 54.0

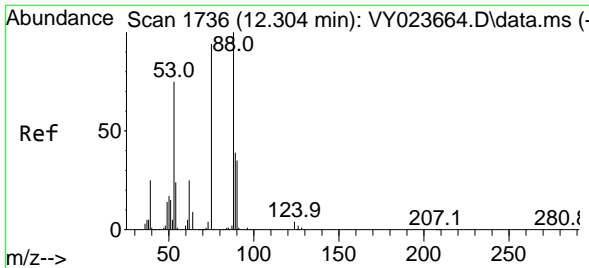


#80
 1,3,5-Trimethylbenzene
 Concen: 3.610 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 105 Resp: 67862
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.2



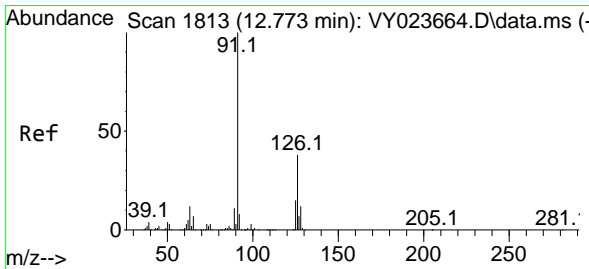
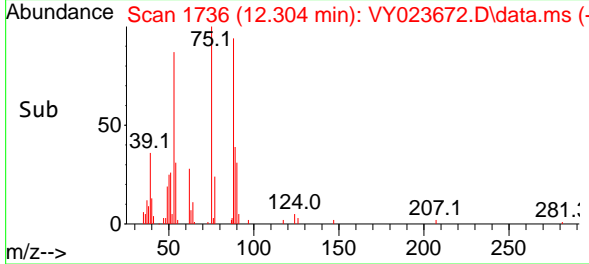
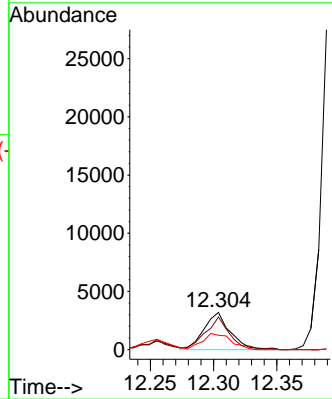
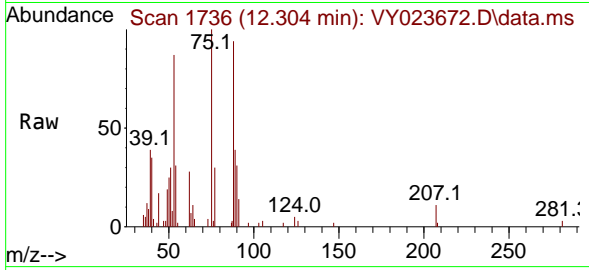


#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.719 ug/l
 RT: 12.304 min Scan# 1736
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 75 Resp: 4608

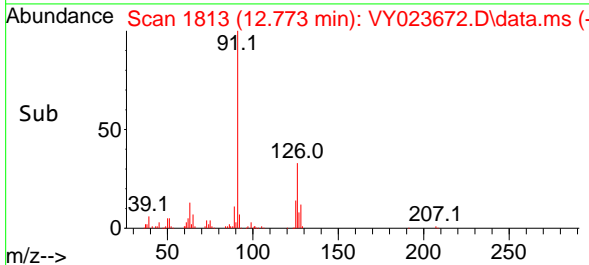
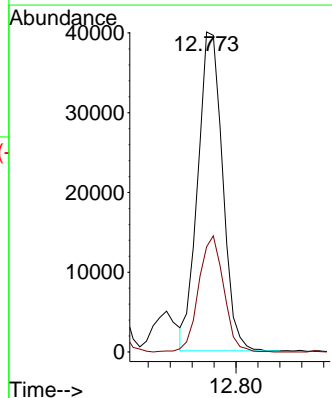
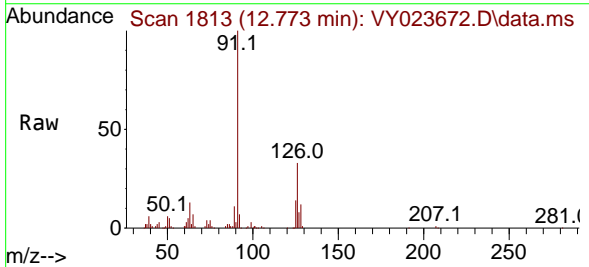
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75 | 100 | | |
| 53 | 83.3 | 69.6 | 104.4 |
| 89 | 46.9 | 38.2 | 57.4 |

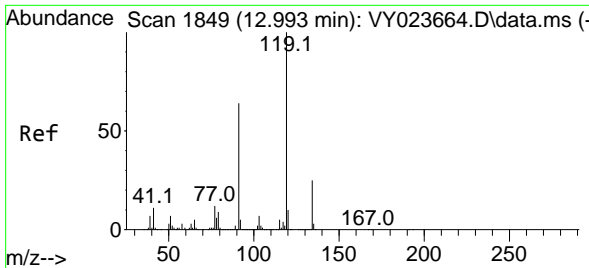


#82
 4-Chlorotoluene
 Concen: 3.857 ug/l
 RT: 12.773 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 91 Resp: 62813

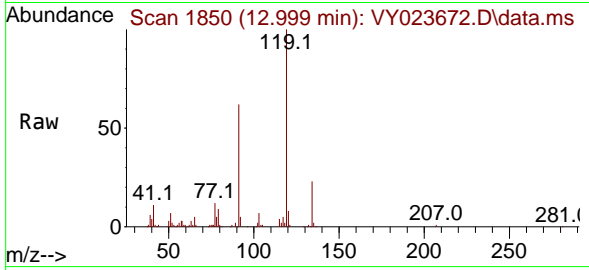
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91 | 100 | | |
| 126 | 36.8 | 18.1 | 54.4 |



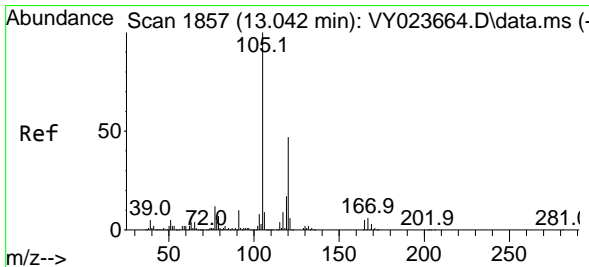
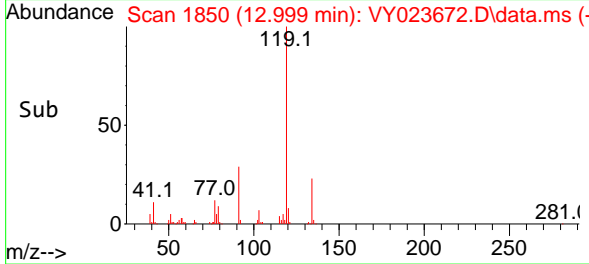
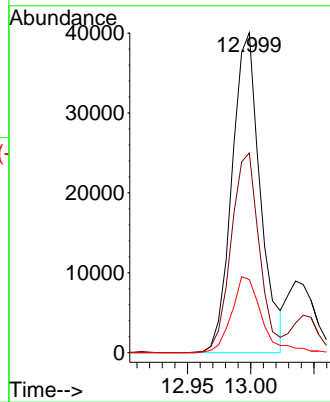


#83
 tert-Butylbenzene
 Concen: 3.647 ug/l
 RT: 12.999 min Scan# 1850
 Delta R.T. 0.006 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

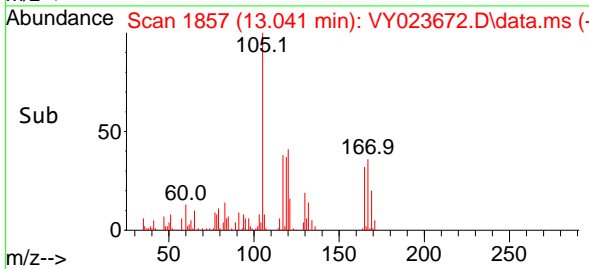
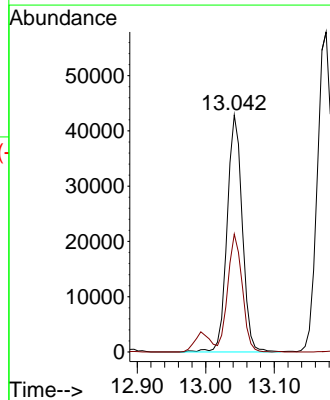
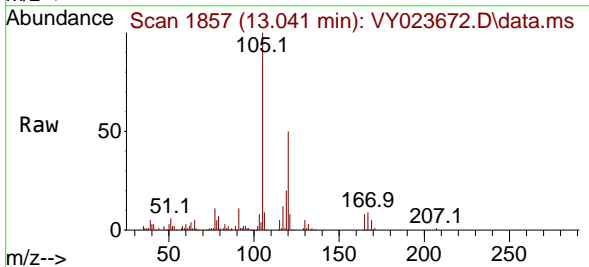


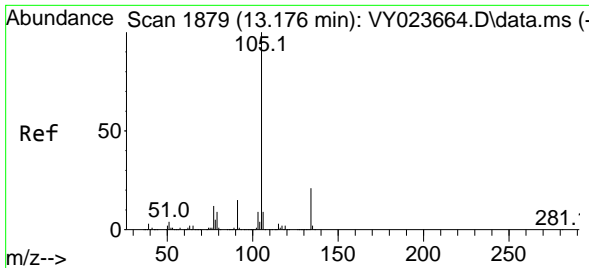
Tgt Ion:119 Resp: 62450
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.7 92.1
 134 25.4 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 3.521 ug/l
 RT: 13.041 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion:105 Resp: 65557
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.2 69.6

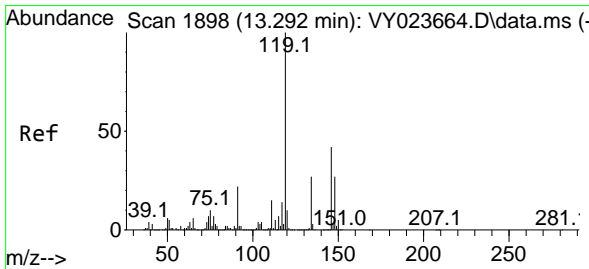
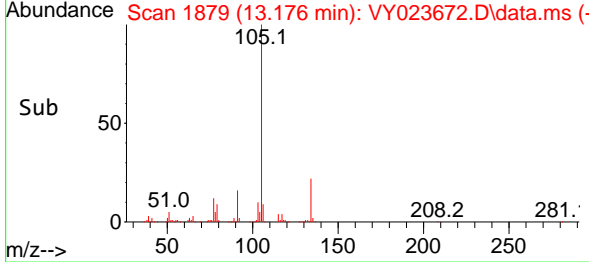
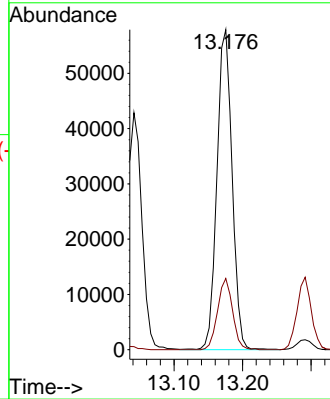
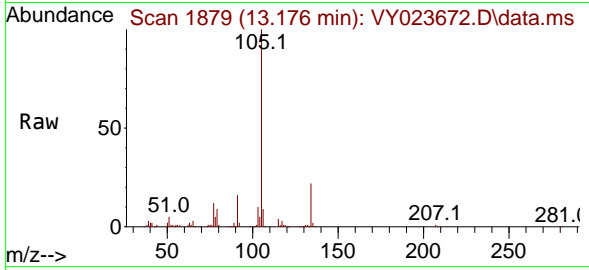




#85
 sec-Butylbenzene
 Concen: 3.601 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

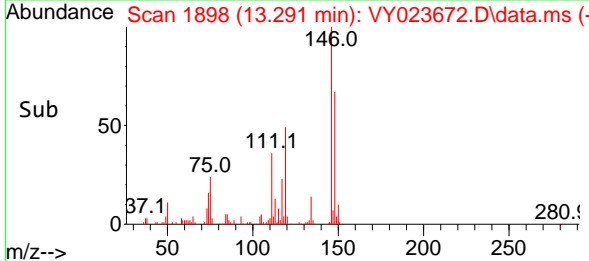
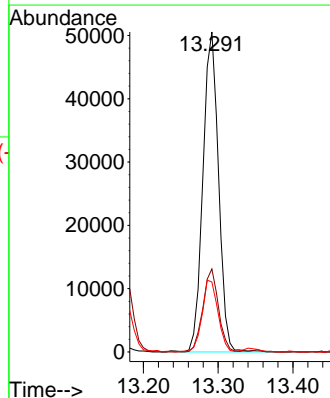
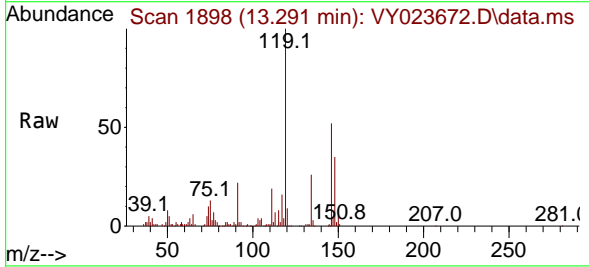
Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

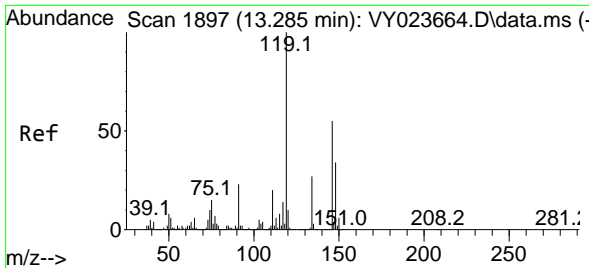
Tgt Ion:105 Resp: 88928
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 3.503 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

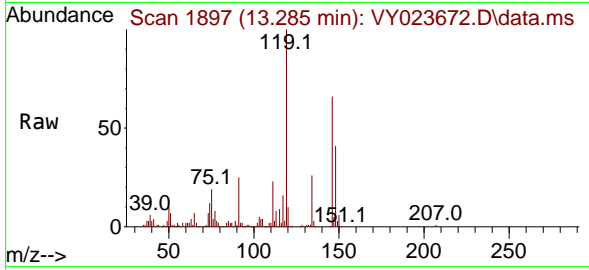
Tgt Ion:119 Resp: 73224
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.2
 91 22.8 11.1 33.1



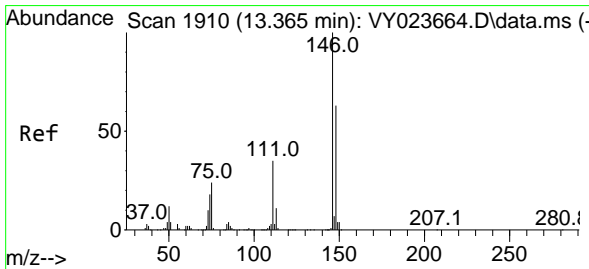
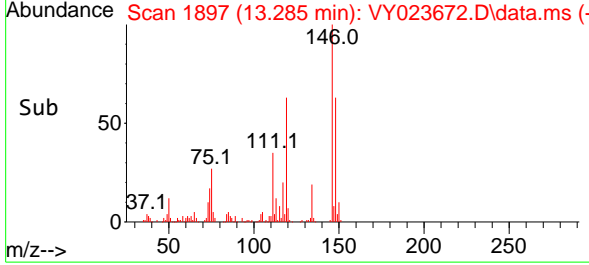
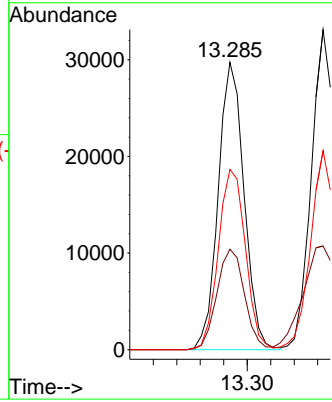


#87
 1,3-Dichlorobenzene
 Concen: 3.849 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

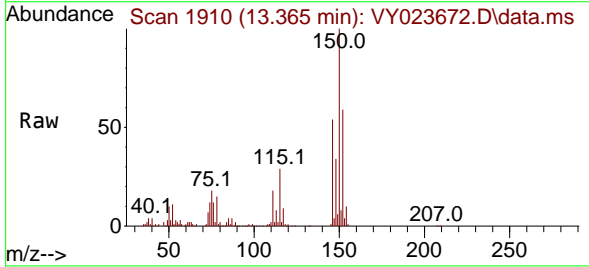
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



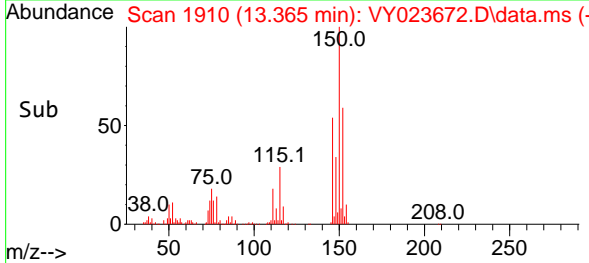
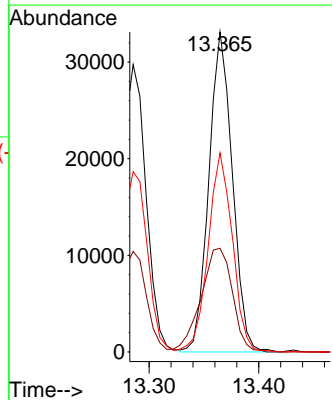
Tgt Ion:146 Resp: 45462
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 65.7 31.9 95.5

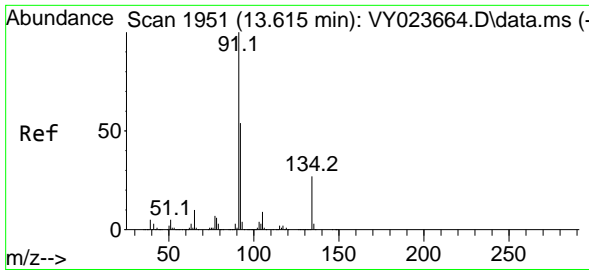


#88
 1,4-Dichlorobenzene
 Concen: 4.259 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



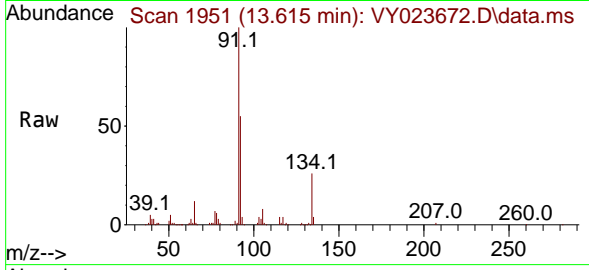
Tgt Ion:146 Resp: 49420
 Ion Ratio Lower Upper
 146 100
 111 43.1 18.3 54.8
 148 64.3 31.8 95.3





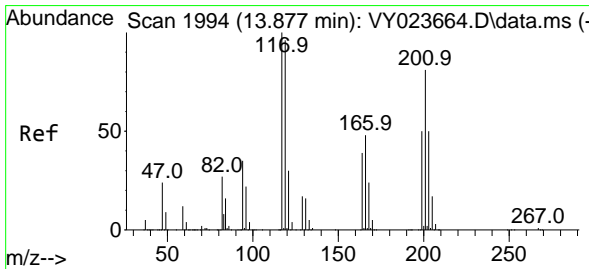
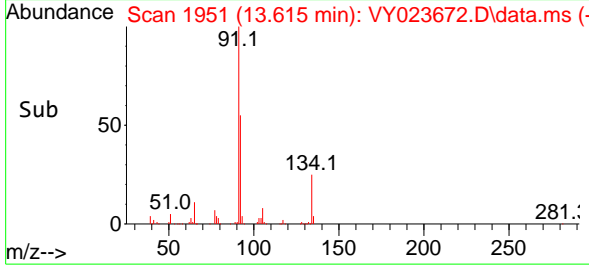
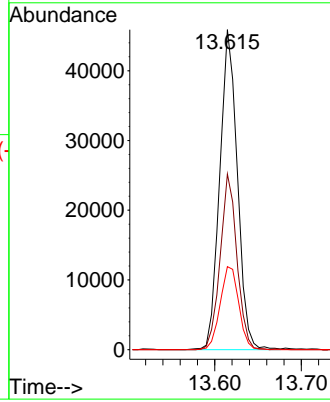
#89
 n-Butylbenzene
 Concen: 3.570 ug/l
 RT: 13.615 min Scan# 1951
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 91 Resp: 64908

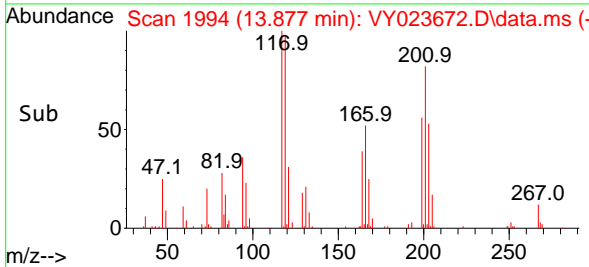
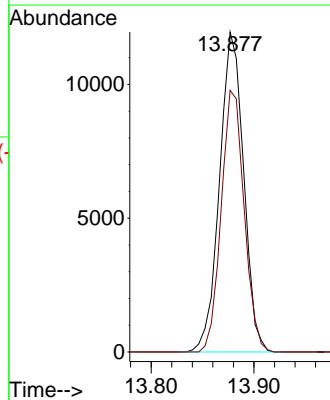
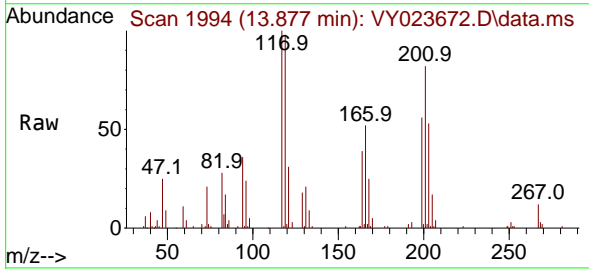
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91 | 100 | | |
| 92 | 52.2 | 26.5 | 79.4 |
| 134 | 27.4 | 13.7 | 41.1 |

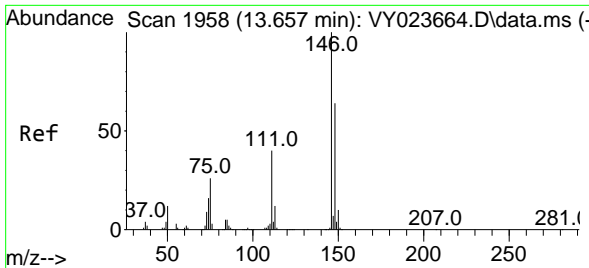


#90
 Hexachloroethane
 Concen: 4.320 ug/l
 RT: 13.877 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Tgt Ion: 117 Resp: 19409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100 | | |
| 201 | 78.0 | 42.3 | 126.8 |

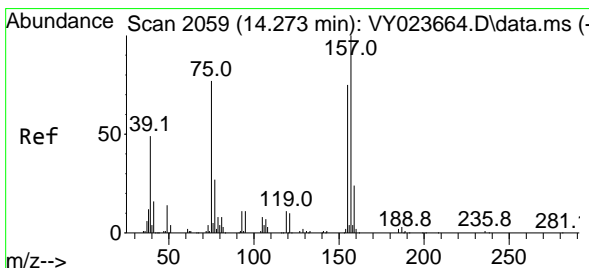
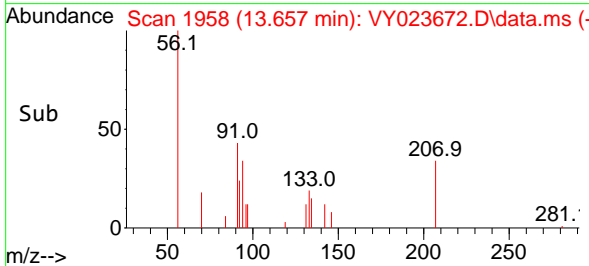
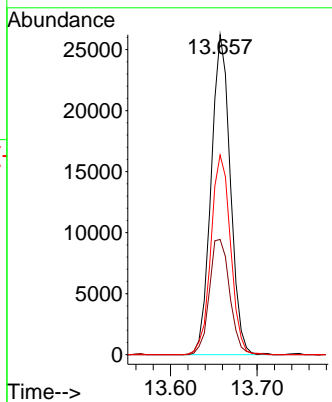
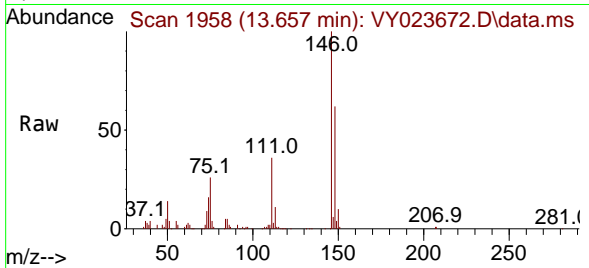




#91
 1,2-Dichlorobenzene
 Concen: 3.963 ug/l
 RT: 13.657 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

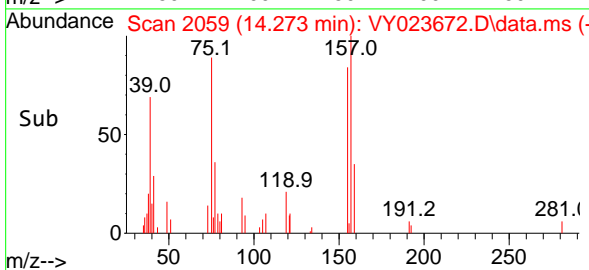
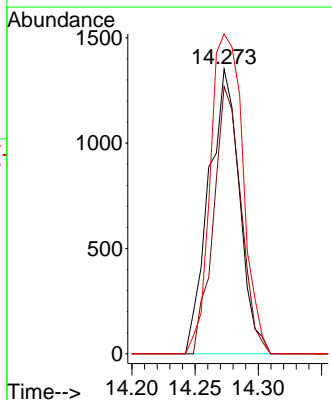
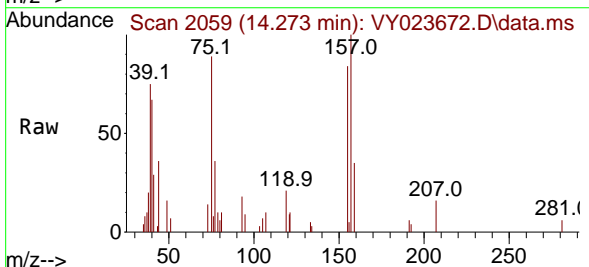
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

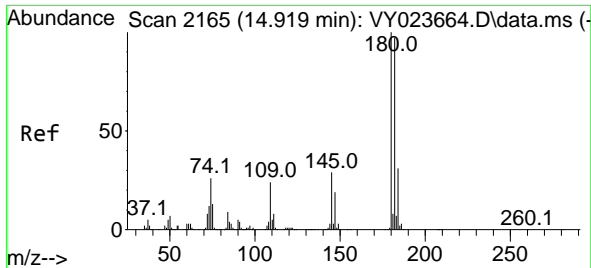
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 40340 | | |
| 111 | 38.3 | 19.5 | 58.5 |
| 148 | 63.9 | 31.9 | 95.9 |



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.012 ug/l
 RT: 14.273 min Scan# 2059
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

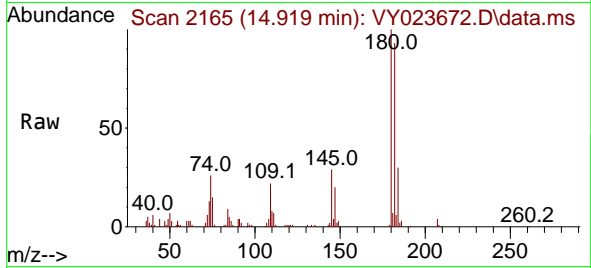
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 75 | 2283 | | |
| 155 | 83.8 | 49.4 | 148.2 |
| 157 | 119.3 | 63.2 | 189.8 |



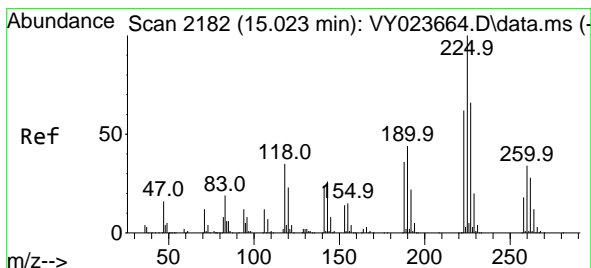
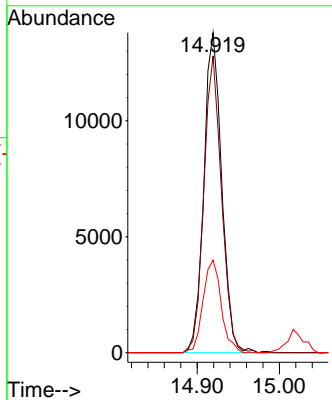
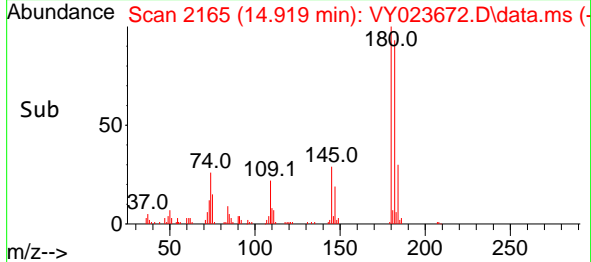


#93
 1,2,4-Trichlorobenzene
 Concen: 3.573 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

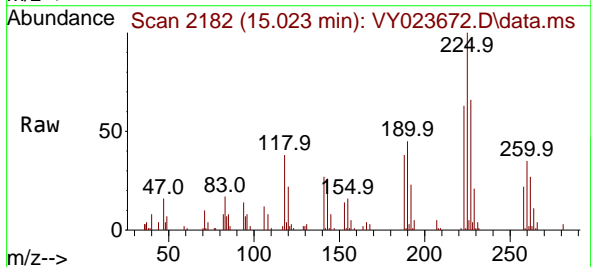
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



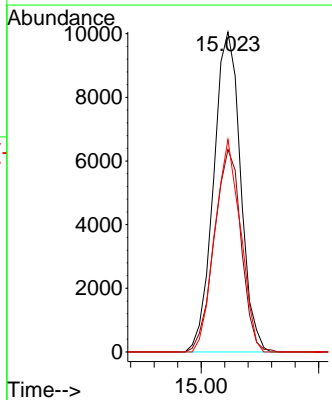
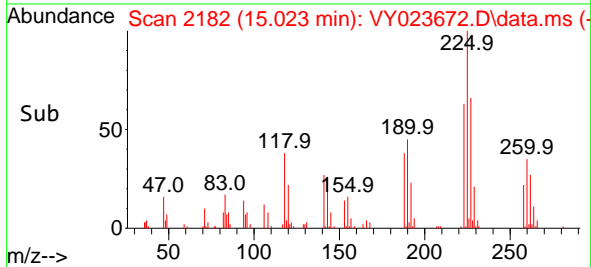
Tgt Ion:180 Resp: 20804
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.5 142.6
 145 29.4 14.4 43.4

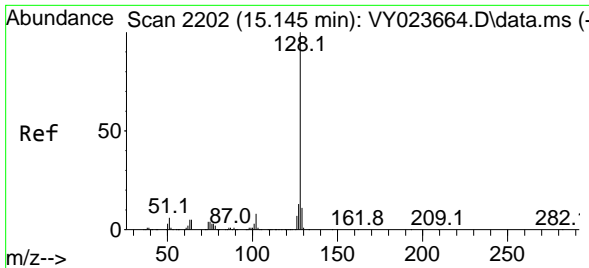


#94
 Hexachlorobutadiene
 Concen: 4.191 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31



Tgt Ion:225 Resp: 15989
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.8 92.3
 227 63.6 32.0 96.2

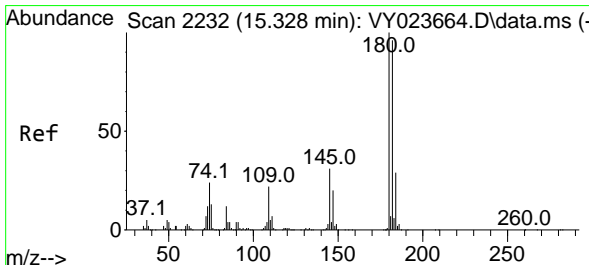
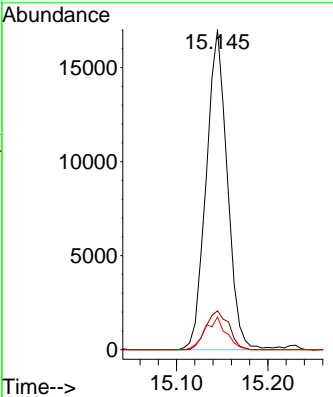
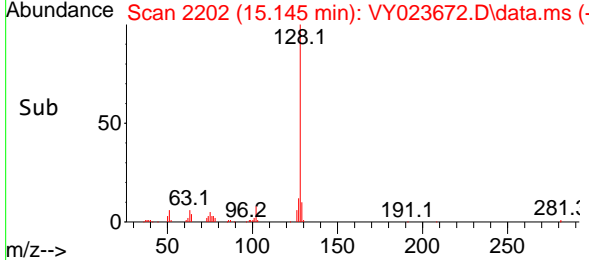
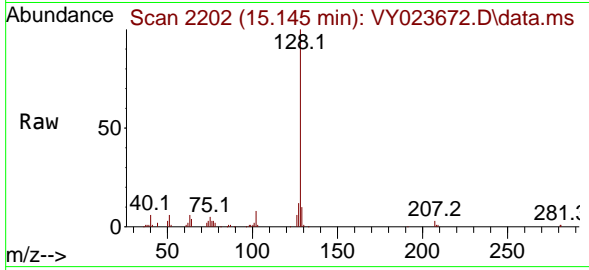




#95
 Naphthalene
 Concen: 7.657 ug/l
 RT: 15.145 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

Instrument : MSVOA_Y
 ClientSampleId : VY023672.D
 LOD-MDL-SOIL-01-QT4-2025

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 128 | 27248 | 10.5 | 15.7 |
| 127 | 13.3 | 8.8 | 13.2 |
| 129 | 10.2 | | |



#96
 1,2,3-Trichlorobenzene
 Concen: 3.591 ug/l
 RT: 15.328 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:31

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 180 | 17470 | 47.5 | 142.6 |
| 182 | 96.8 | 15.5 | 46.5 |
| 145 | 30.2 | | |

