

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL120825\  
 Data File : VL043316.D  
 Acq On : 08 Dec 2025 17:00  
 Operator : SY/MD  
 Sample : Q3799-06  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 16-IA-1

Quant Time: Dec 09 00:13:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Nov 19 01:11:25 2025  
 Response via : Initial Calibration

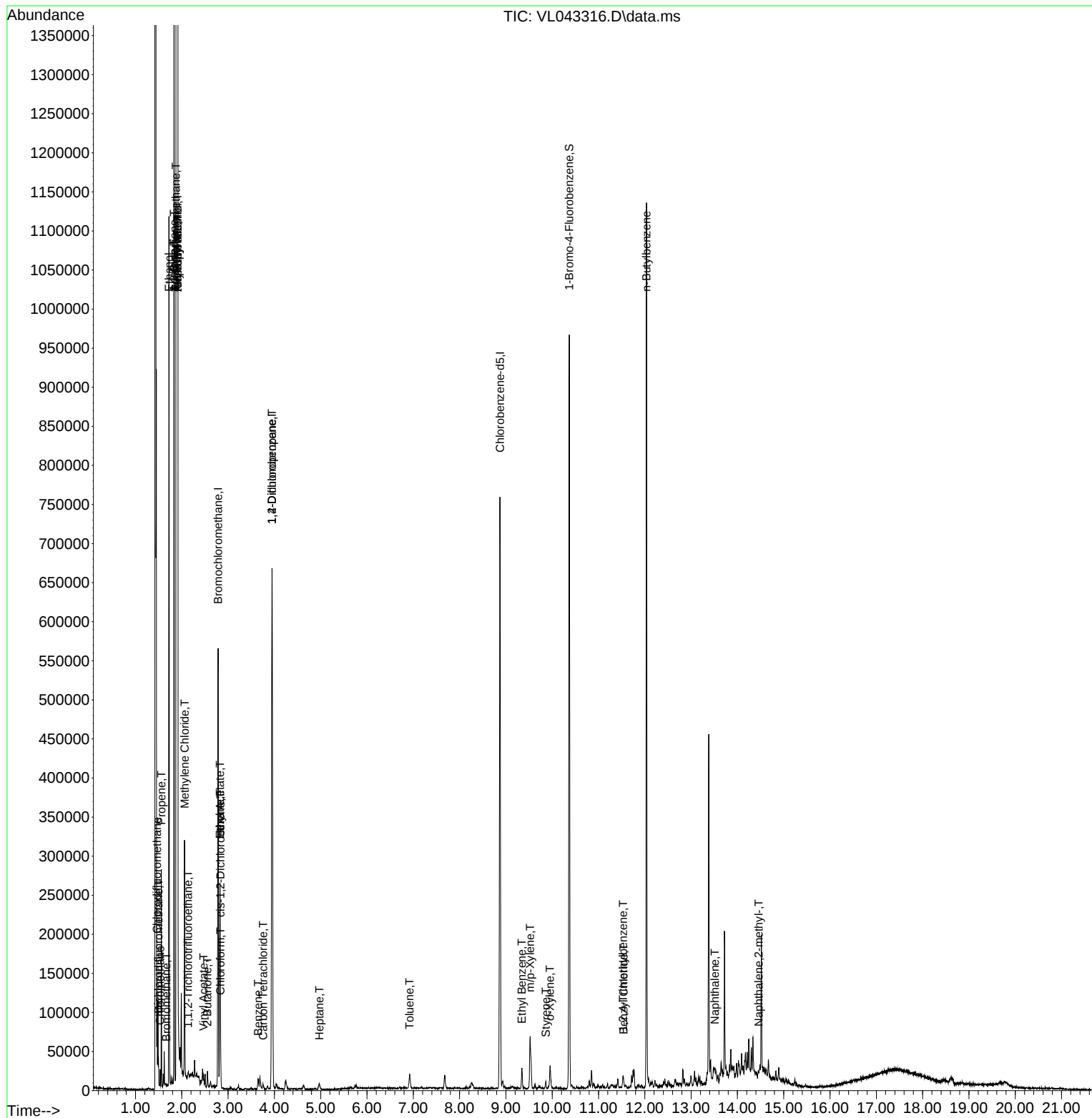
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.784  | 49    | 146093   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.949  | 114   | 393021   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.872  | 117   | 306652   | 10.000   | ppbv   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.367 | 95    | 232936   | 10.363   | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 103.600% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.499  | 85    | 8618     | 0.418    | ppbv   | 92       |
| 3) Chlorodifluoromethane      | 1.466  | 51    | 58484    | 2.886    | ppbv # | 62       |
| 4) Chloromethane              | 1.531  | 50    | 5664     | 0.735    | ppbv   | 98       |
| 6) Bromomethane               | 1.667  | 94    | 156      | 0.038    | ppbv # | 4        |
| 9) Propene                    | 1.560  | 41    | 27719    | 3.221    | ppbv # | 1        |
| 10) Heptane                   | 4.972  | 43    | 1069     | 0.042    | ppbv # | 28       |
| 11) Trichlorofluoromethane    | 1.874  | 101   | 4165     | 0.209    | ppbv   | 86       |
| 12) 1,1,2-Trichlorotrifluo... | 2.136  | 101   | 1349     | 0.087    | ppbv   | 86       |
| 13) Ethanol                   | 1.722  | 45    | 462202   | 152.750  | ppbv   | 99       |
| 15) Acetone                   | 1.832  | 43    | 604849   | 29.800   | ppbv   | 97       |
| 16) 1,3-Butadiene             | 1.832  | 39    | 29138    | 3.220    | ppbv # | 14       |
| 17) tert-Butyl alcohol        | 1.910  | 59    | 1075072  | 40.352   | ppbv # | 92       |
| 19) Isopropyl Alcohol         | 1.910  | 45    | 7888776  | 687.812  | ppbv # | 38       |
| 20) Methylene Chloride        | 2.062  | 84    | 44935    | 7.301    | ppbv   | 89       |
| 21) Allyl Chloride            | 1.910  | 41    | 2138169  | 156.575  | ppbv # | 74       |
| 23) Vinyl Acetate             | 2.470  | 43    | 3183     | 0.130    | ppbv # | 33       |
| 25) Ethyl Acetate             | 2.826  | 43    | 77111    | 1.761    | ppbv # | 93       |
| 26) Hexane                    | 2.826  | 57    | 52020    | 2.710    | ppbv # | 72       |
| 29) Chloroform                | 2.839  | 83    | 1029     | 0.038    | ppbv   | 85       |
| 31) cis-1,2-Dichloroethene    | 2.832  | 61    | 4180     | 0.219    | ppbv # | 26       |
| 34) 2-Butanone                | 2.554  | 43    | 12307    | 0.444    | ppbv   | 99       |
| 35) Carbon Tetrachloride      | 3.755  | 117   | 1777     | 0.060    | ppbv # | 83       |
| 36) Benzene                   | 3.648  | 78    | 7554     | 0.201    | ppbv   | 95       |
| 39) 1,2-Dichloropropane       | 3.949  | 63    | 96525    | 7.007    | ppbv # | 25       |
| 53) Toluene                   | 6.920  | 91    | 11377    | 0.255    | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.344  | 91    | 13162    | 0.223    | ppbv   | 93       |
| 59) m/p-Xylene                | 9.523  | 91    | 42461    | 0.897    | ppbv   | 97       |
| 60) o-Xylene                  | 9.953  | 91    | 11276    | 0.239    | ppbv   | 90       |
| 61) Styrene                   | 9.862  | 104   | 2334     | 0.113    | ppbv   | 97       |
| 66) Benzyl Chloride           | 11.542 | 91    | 558      | 0.073    | ppbv # | 78       |
| 70) n-Butylbenzene            | 12.034 | 91    | 48515    | 0.560    | ppbv # | 65       |
| 74) 1,2,4-Trimethylbenzene    | 11.529 | 105   | 2546     | 0.048    | ppbv # | 48       |
| 79) Naphthalene               | 13.510 | 128   | 2251     | 0.048    | ppbv # | 85       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142   | 1788     | 0.145    | ppbv # | 86       |
| -----                         |        |       |          |          |        |          |

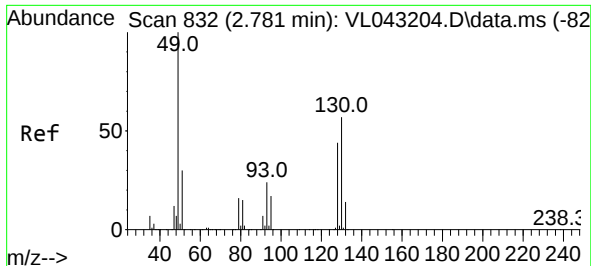
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL120825\  
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Sample : Q3799-06  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

Quant Time: Dec 09 00:13:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL11825AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Wed Nov 19 01:11:25 2025  
Response via : Initial Calibration

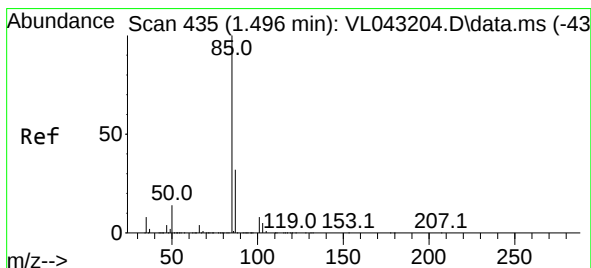
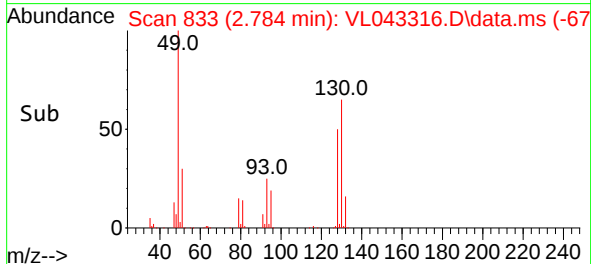
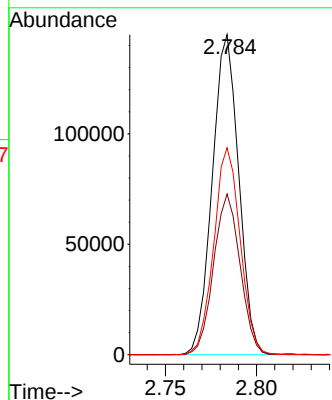
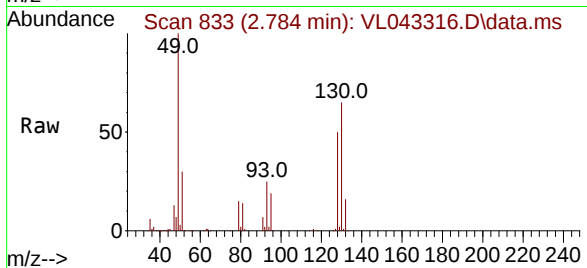




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

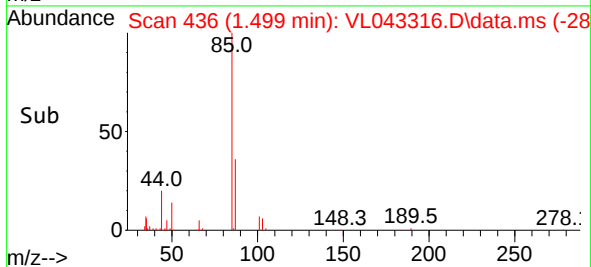
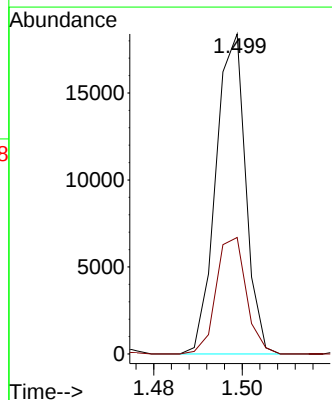
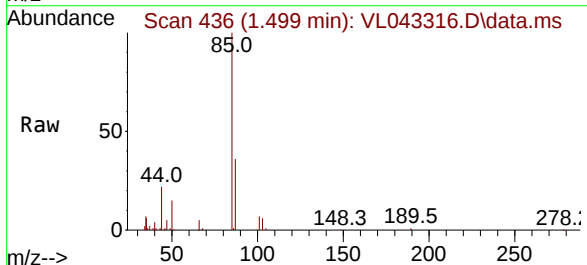
Instrument :  
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16-IA-1

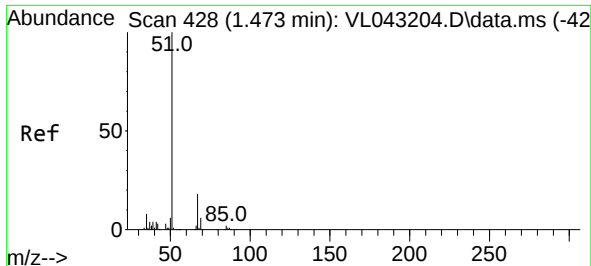
Tgt Ion: 49 Resp: 146093  
Ion Ratio Lower Upper  
49 100  
128 50.3 23.0 69.0  
130 64.6 29.9 89.7



#2  
Dichlorodifluoromethane  
Concen: 0.418 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 85 Resp: 8618  
Ion Ratio Lower Upper  
85 100  
87 36.4 25.4 38.2

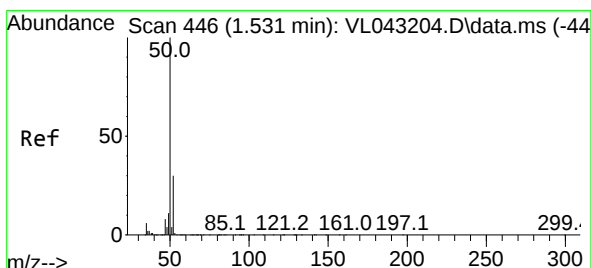
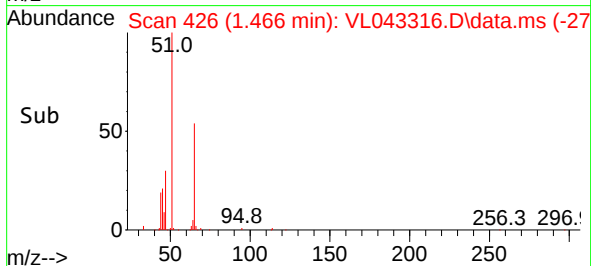
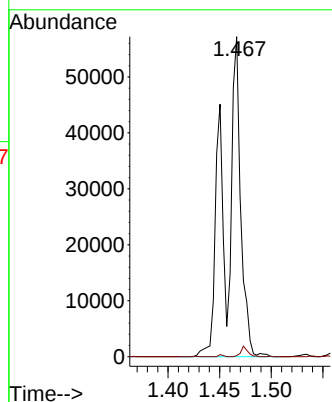
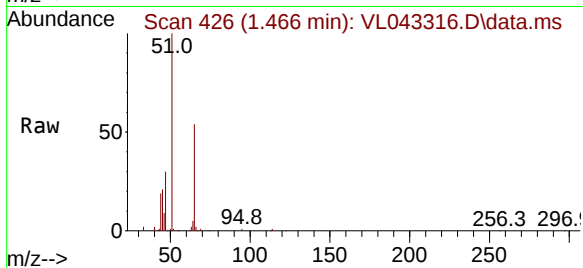




#3  
Chlorodifluoromethane  
Concen: 2.886 ppbv  
RT: 1.466 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

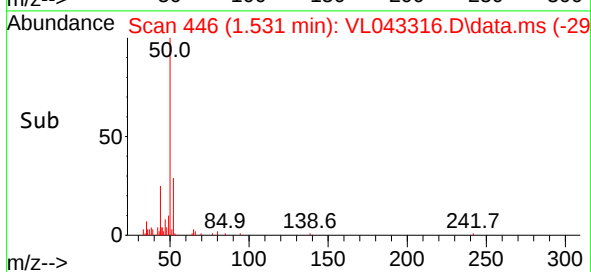
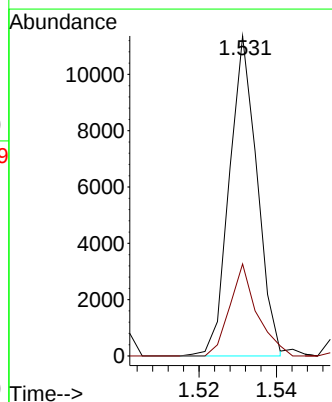
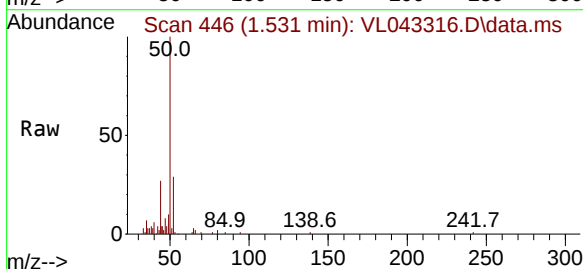
Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

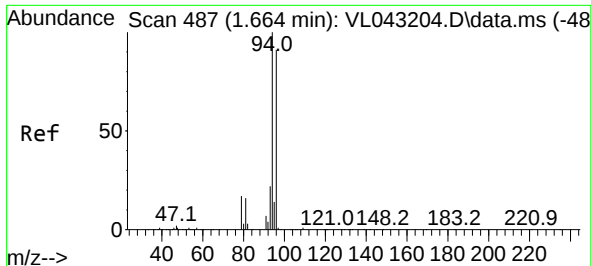
Tgt Ion: 51 Resp: 58484  
Ion Ratio Lower Upper  
51 100  
67 1.7 14.9 22.3#



#4  
Chloromethane  
Concen: 0.735 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 50 Resp: 5664  
Ion Ratio Lower Upper  
50 100  
52 28.7 24.1 36.1

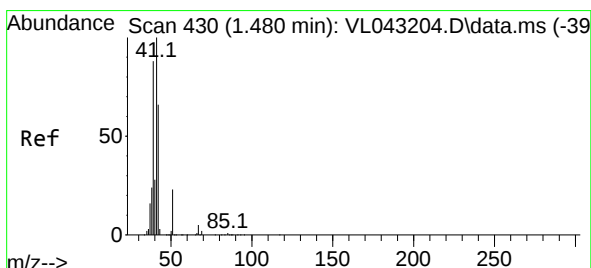
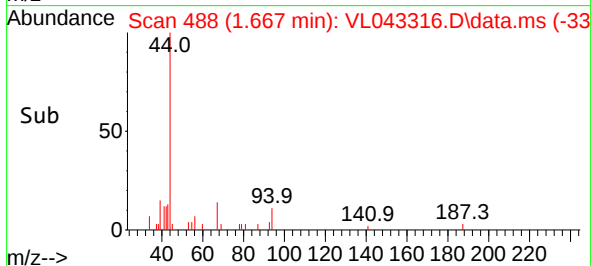
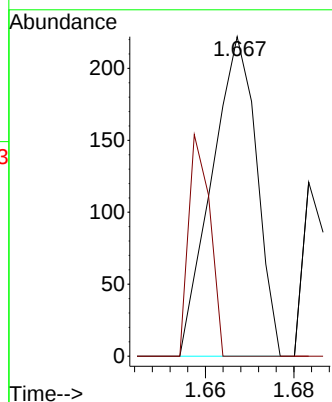
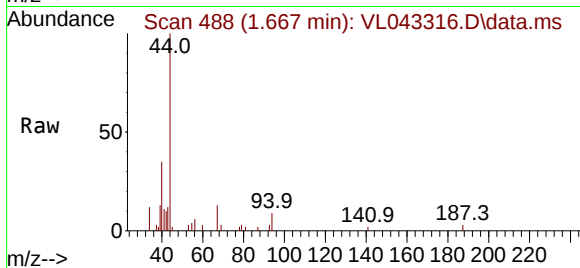




#6  
Bromomethane  
Concen: 0.038 ppbv  
RT: 1.667 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

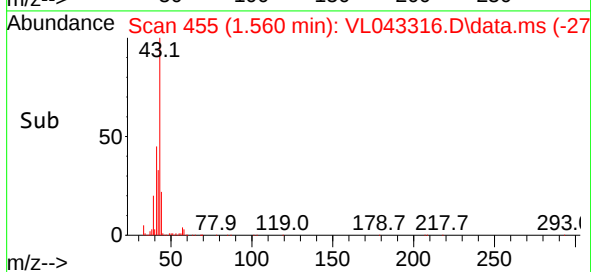
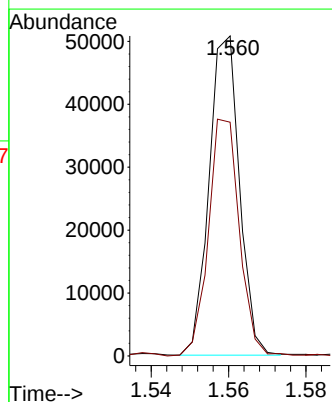
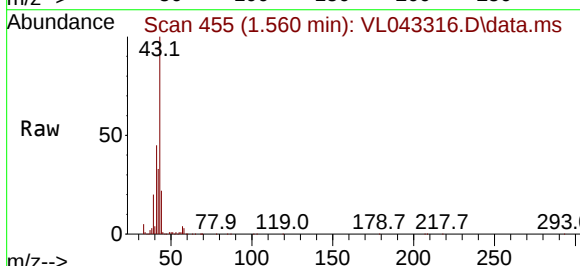
Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

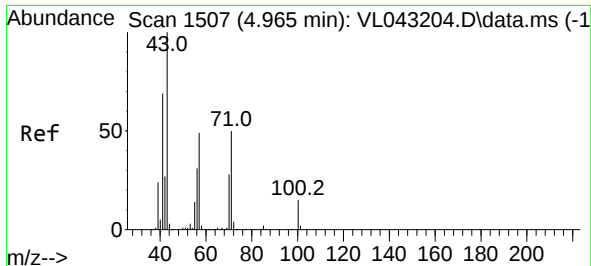
Tgt Ion: 94 Resp: 156  
Ion Ratio Lower Upper  
94 100  
96 0.0 72.9 109.3#



#9  
Propene  
Concen: 3.221 ppbv  
RT: 1.560 min Scan# 455  
Delta R.T. 0.081 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 41 Resp: 27719  
Ion Ratio Lower Upper  
41 100  
42 154.5 3.7 5.5#

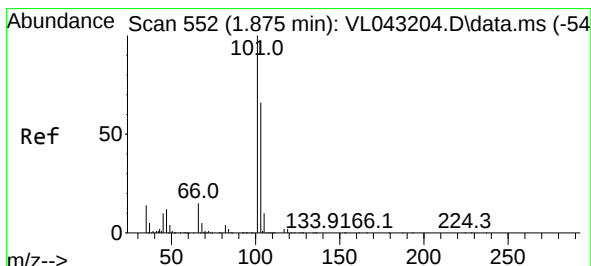
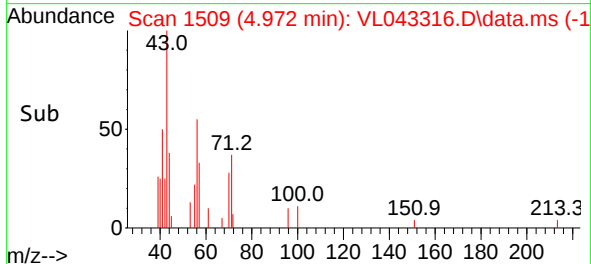
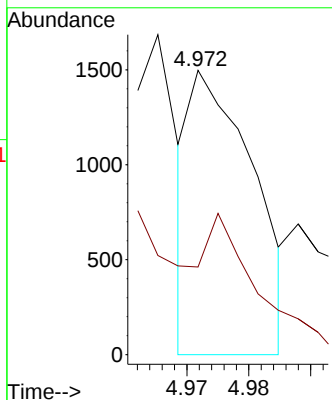
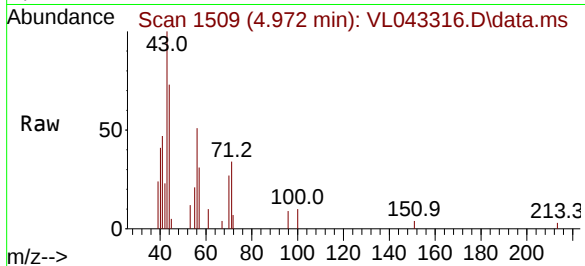




#10  
Heptane  
Concen: 0.042 ppbv  
RT: 4.972 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

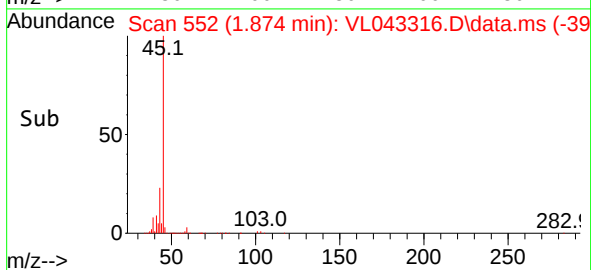
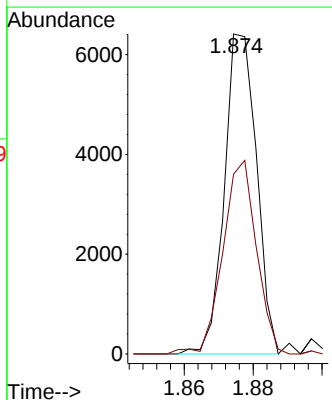
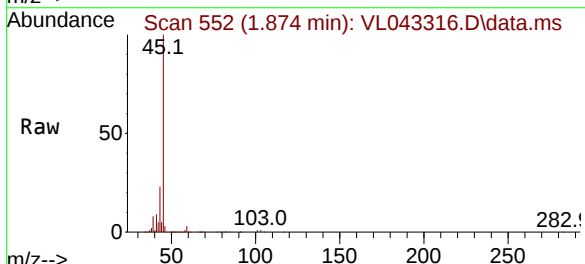
Instrument :  
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ClientSampleId :  
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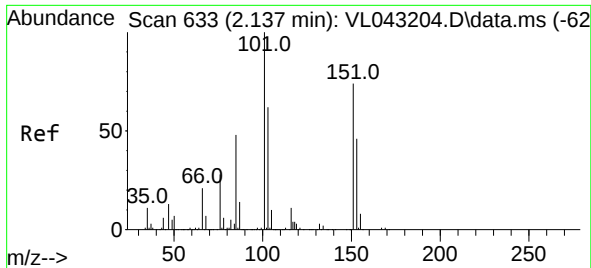
Tgt Ion: 43 Resp: 1069  
Ion Ratio Lower Upper  
43 100  
57 0.0 39.7 59.5#



#11  
Trichlorofluoromethane  
Concen: 0.209 ppbv  
RT: 1.874 min Scan# 552  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion:101 Resp: 4165  
Ion Ratio Lower Upper  
101 100  
103 54.8 52.6 79.0

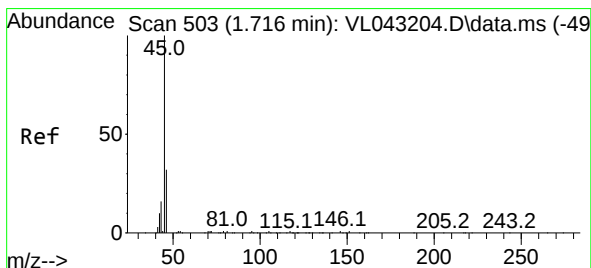
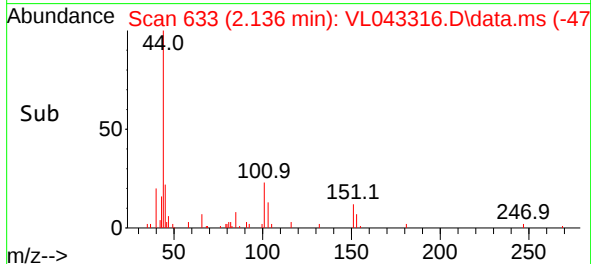
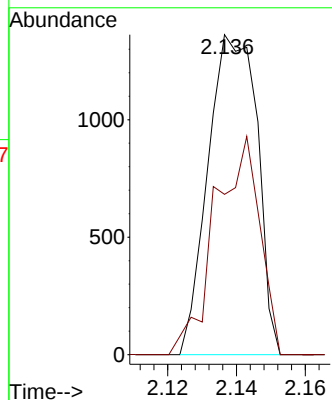
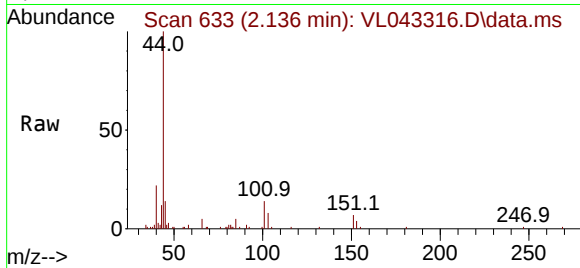




#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.087 ppbv  
RT: 2.136 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

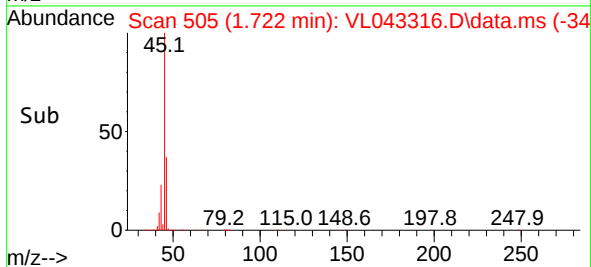
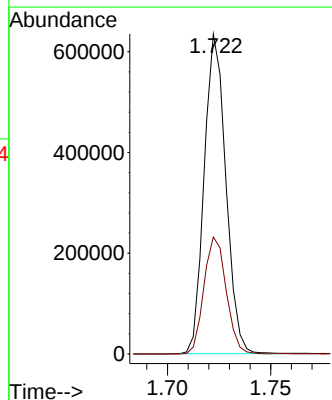
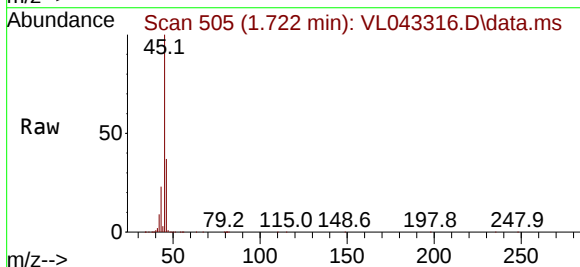
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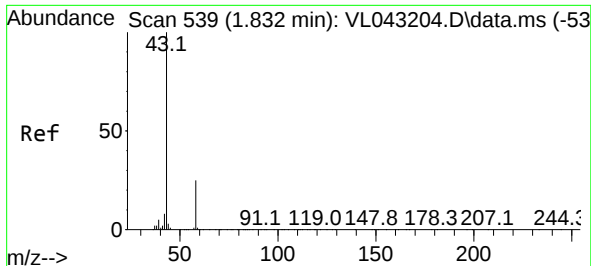
Tgt Ion:101 Resp: 1349  
Ion Ratio Lower Upper  
101 100  
151 62.1 59.2 88.8



#13  
Ethanol  
Concen: 152.750 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. 0.006 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 45 Resp: 462202  
Ion Ratio Lower Upper  
45 100  
46 37.9 15.0 59.8

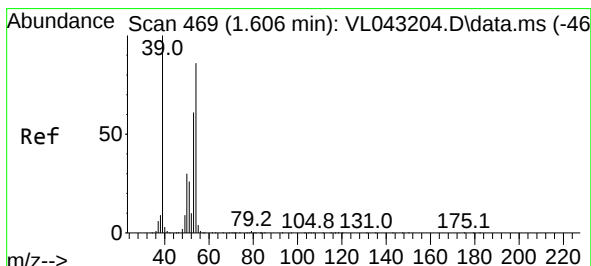
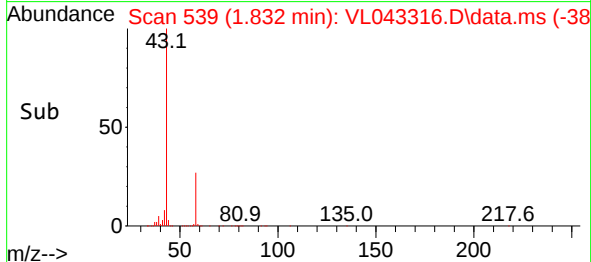
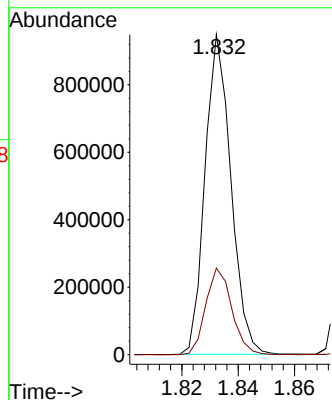
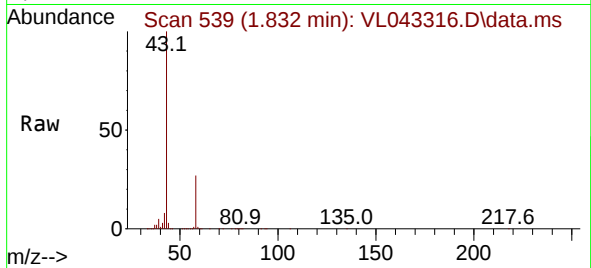




#15  
Acetone  
Concen: 29.800 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

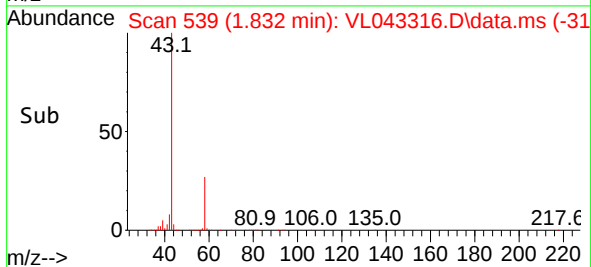
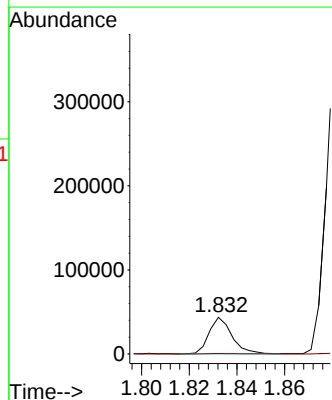
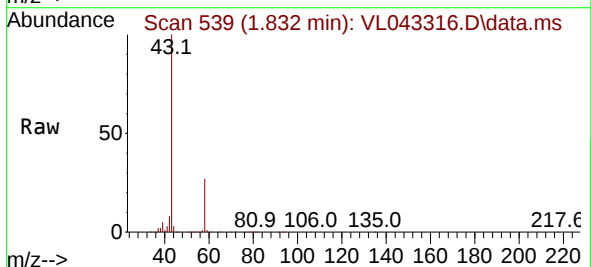
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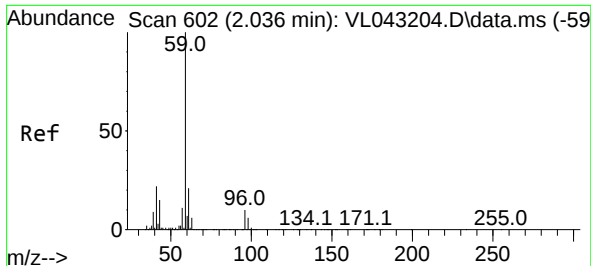
Tgt Ion: 43 Resp: 604849  
Ion Ratio Lower Upper  
43 100  
58 27.2 20.7 31.1



#16  
1,3-Butadiene  
Concen: 3.220 ppbv  
RT: 1.832 min Scan# 539  
Delta R.T. 0.226 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 39 Resp: 29138  
Ion Ratio Lower Upper  
39 100  
54 1.7 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 40.352 ppbv

RT: 1.910 min Scan# 5

Delta R.T. -0.126 min

Lab File: VL043316.D

Acq: 08 Dec 2025 17:00

Instrument :

MSVOA\_L

ClientSampleId :

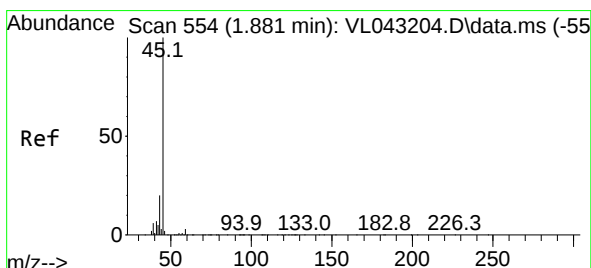
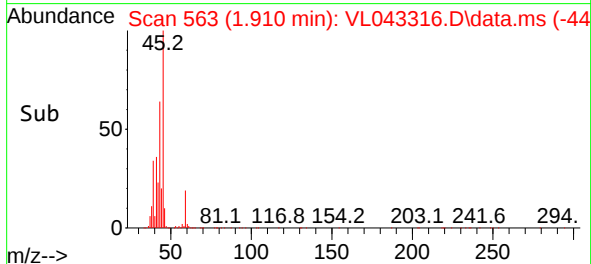
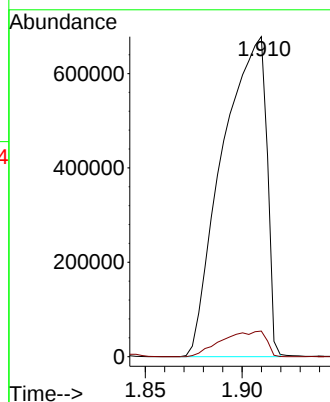
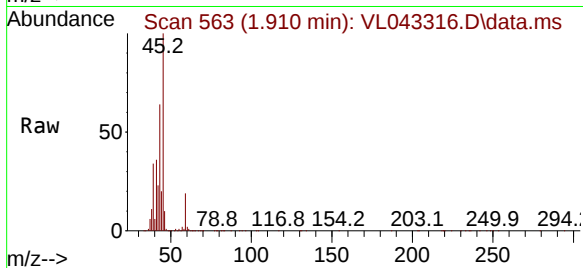
16-IA-1

Tgt Ion: 59 Resp: 1075072

Ion Ratio Lower Upper

59 100

57 8.1 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 687.812 ppbv

RT: 1.910 min Scan# 563

Delta R.T. 0.029 min

Lab File: VL043316.D

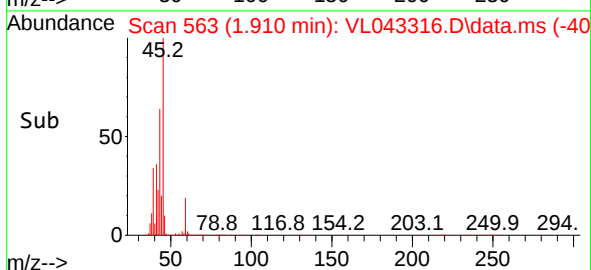
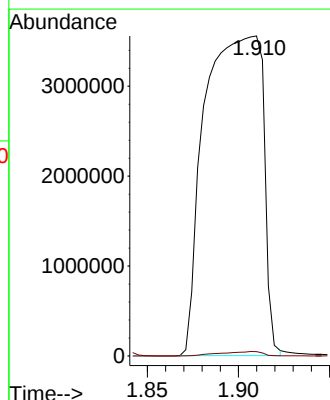
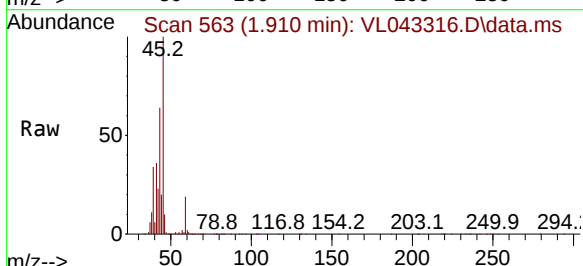
Acq: 08 Dec 2025 17:00

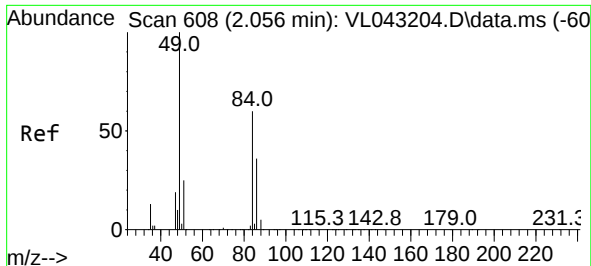
Tgt Ion: 45 Resp: 7888776

Ion Ratio Lower Upper

45 100

58 1.0 31.3 46.9#

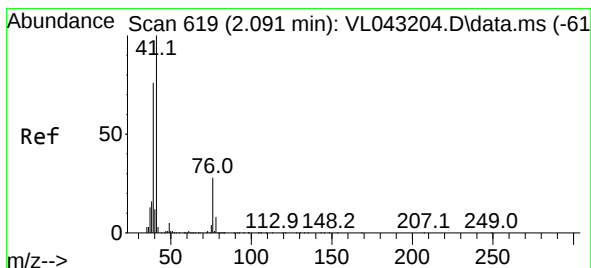
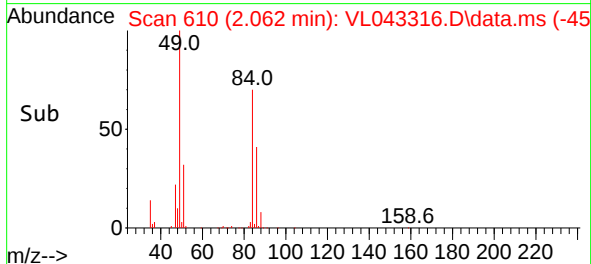
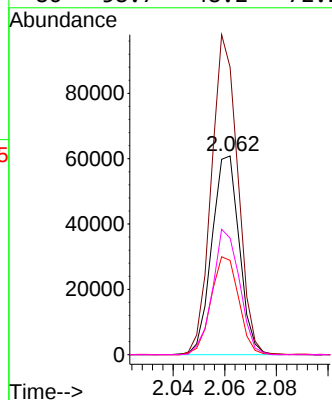
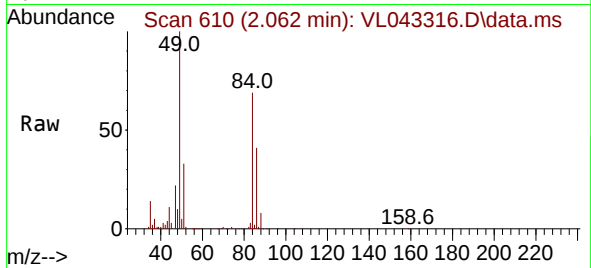




#20  
Methylene Chloride  
Concen: 7.301 ppbv  
RT: 2.062 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

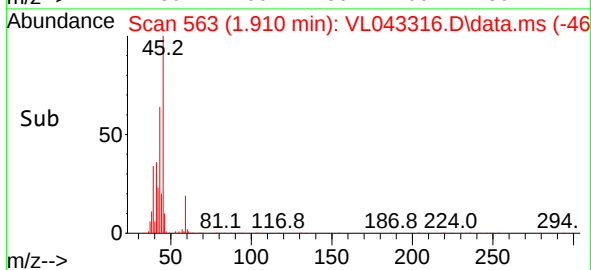
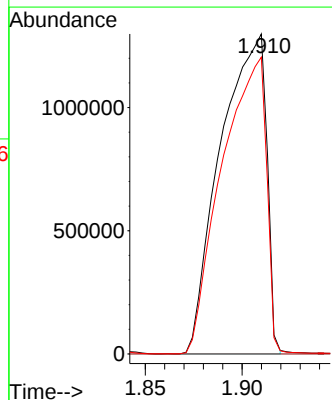
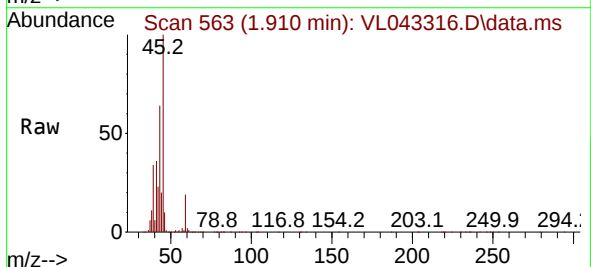
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MSVOA\_L  
ClientSampleId :  
16-IA-1

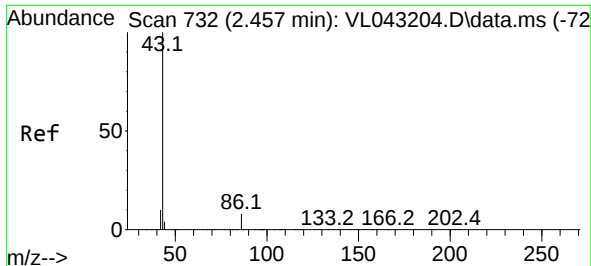
Tgt Ion: 84 Resp: 44935  
Ion Ratio Lower Upper  
84 100  
49 144.4 132.9 199.3  
51 47.5 34.8 52.2  
86 58.7 48.2 72.2



#21  
Allyl Chloride  
Concen: 156.575 ppbv  
RT: 1.910 min Scan# 563  
Delta R.T. -0.181 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 41 Resp: 2138169  
Ion Ratio Lower Upper  
41 100  
76 0.0 22.1 33.1#  
39 89.9 61.0 91.4



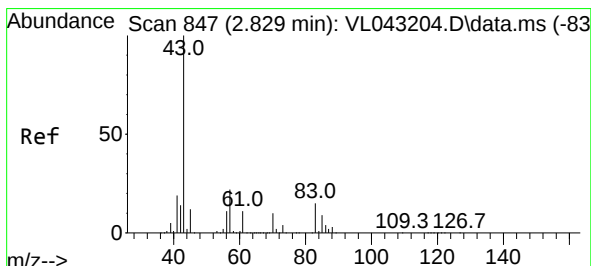
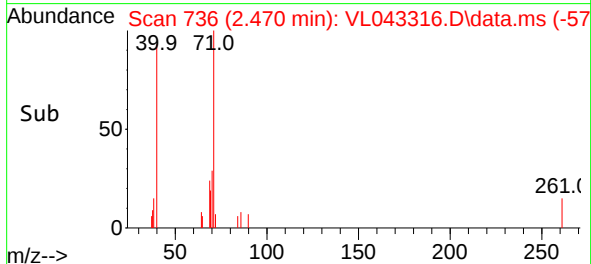
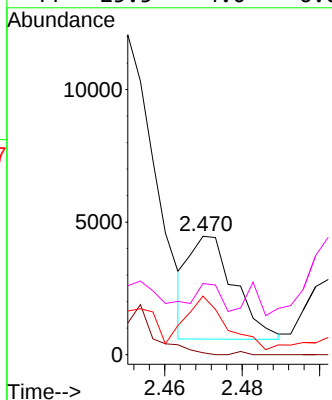
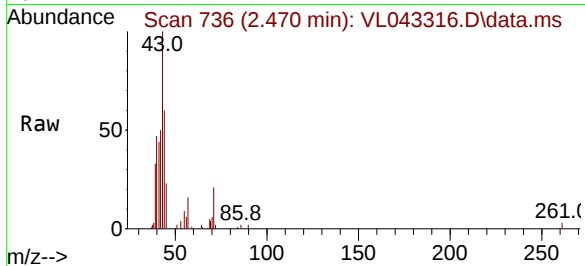


#23  
Vinyl Acetate  
Concen: 0.130 ppbv  
RT: 2.470 min Scan# 71  
Delta R.T. 0.013 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

Tgt Ion: 43 Resp: 3183

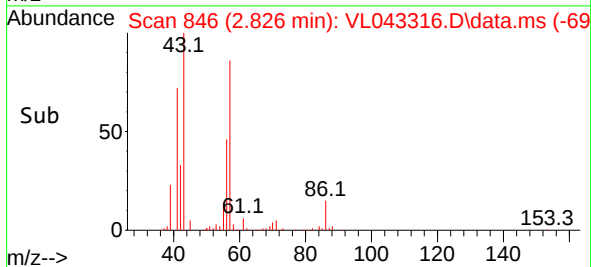
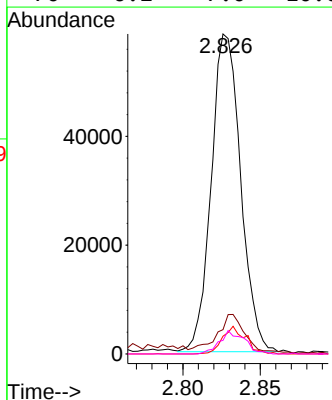
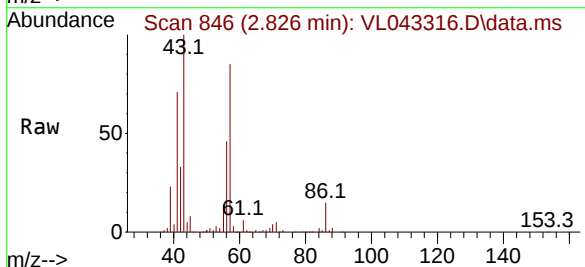
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 2.0   | 6.2   | 9.2#  |
| 42  | 49.9  | 8.0   | 12.0# |
| 44  | 25.5  | 4.0   | 6.0#  |

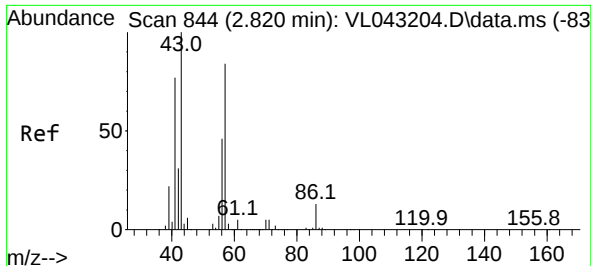


#25  
Ethyl Acetate  
Concen: 1.761 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 43 Resp: 77111

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 13.6  | 8.1   | 12.1# |
| 61  | 6.9   | 7.0   | 10.4# |
| 70  | 6.2   | 7.0   | 10.6# |

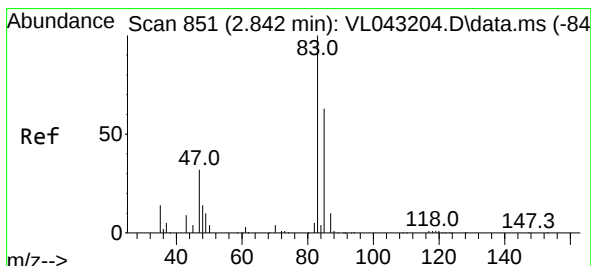
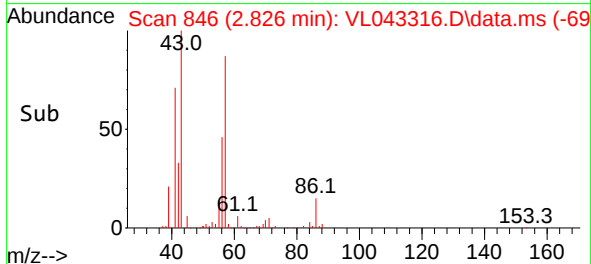
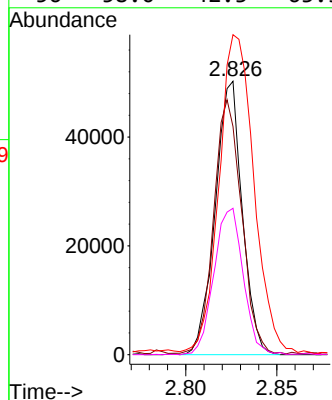
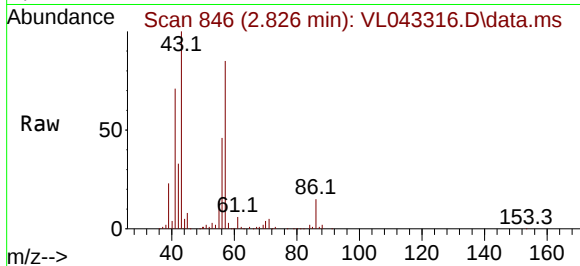




#26  
Hexane  
Concen: 2.710 ppbv  
RT: 2.826 min Scan# 844  
Delta R.T. 0.006 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

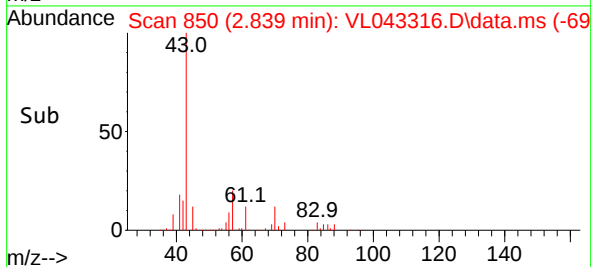
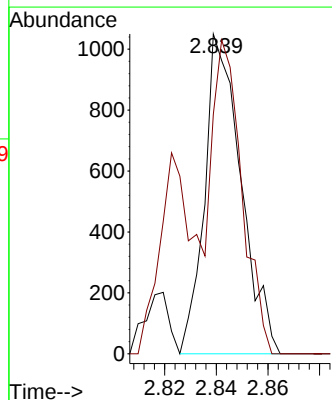
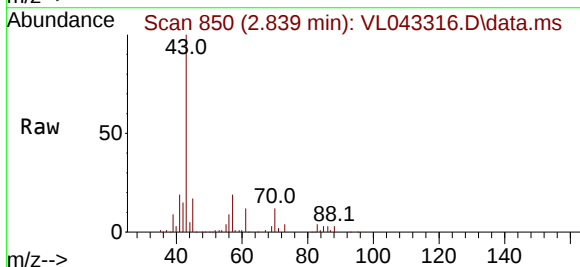
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MSVOA\_L  
ClientSampleId :  
16-IA-1

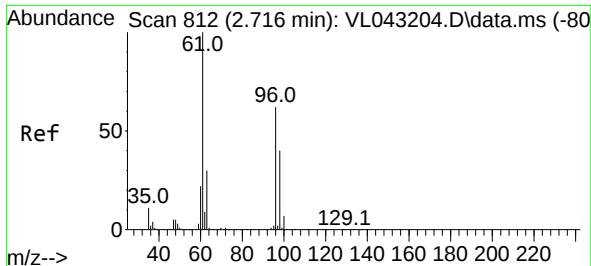
Tgt Ion: 57 Resp: 52020  
Ion Ratio Lower Upper  
57 100  
41 97.1 74.6 111.8  
43 154.4 179.0 268.4#  
56 58.0 42.3 63.5



#29  
Chloroform  
Concen: 0.038 ppbv  
RT: 2.839 min Scan# 850  
Delta R.T. -0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 83 Resp: 1029  
Ion Ratio Lower Upper  
83 100  
85 74.9 50.5 75.7

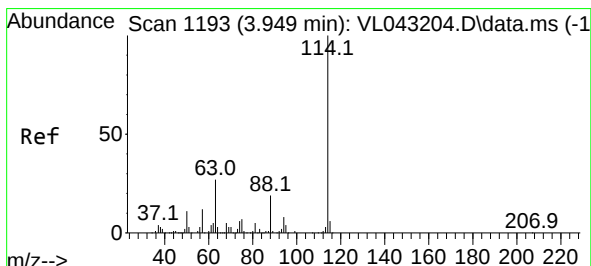
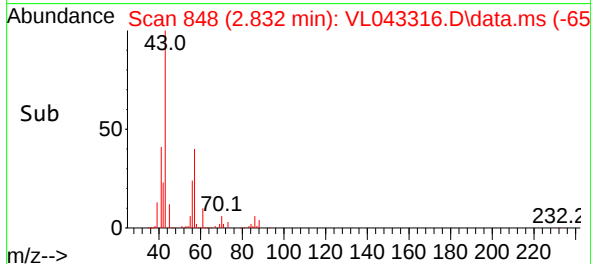
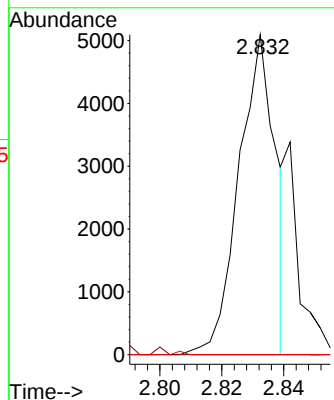
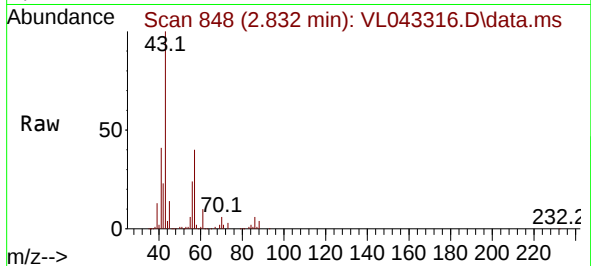




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.219 ppbv  
 RT: 2.832 min Scan# 848  
 Delta R.T. 0.116 min  
 Lab File: VL043316.D  
 Acq: 08 Dec 2025 17:00

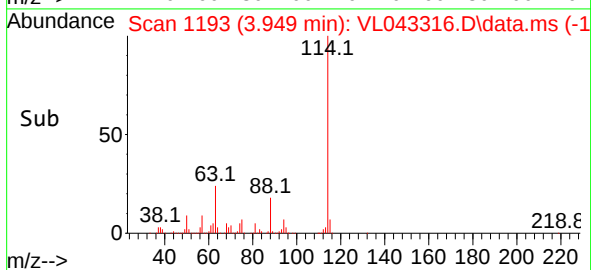
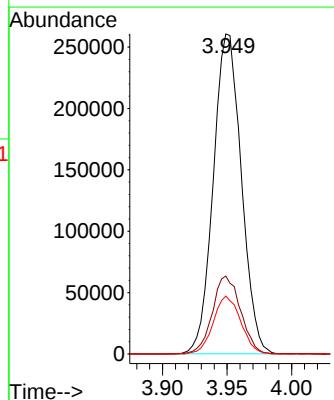
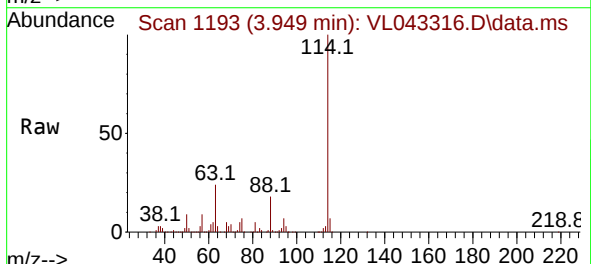
Instrument :  
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 ClientSampleId :  
 16-IA-1

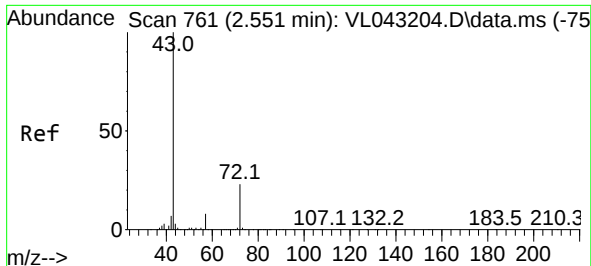
Tgt Ion: 61 Resp: 4180  
 Ion Ratio Lower Upper  
 61 100  
 96 0.0 49.3 73.9#  
 98 0.0 32.1 48.1#



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.949 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VL043316.D  
 Acq: 08 Dec 2025 17:00

Tgt Ion: 114 Resp: 393021  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 21.0 31.6  
 88 17.7 14.9 22.3

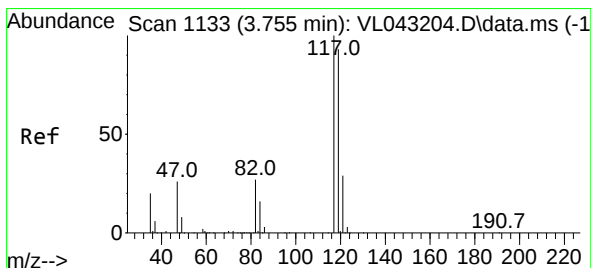
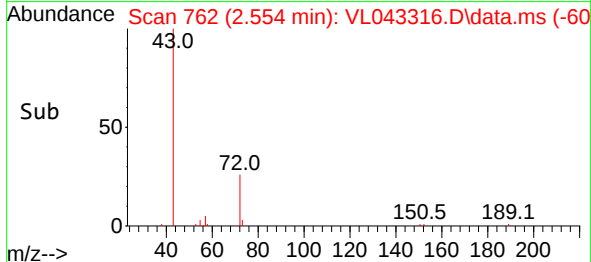
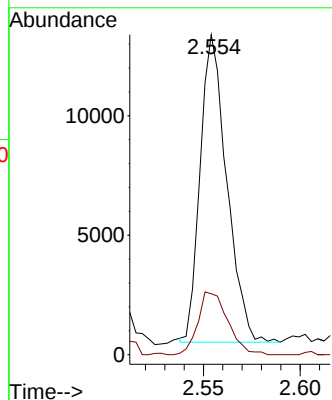
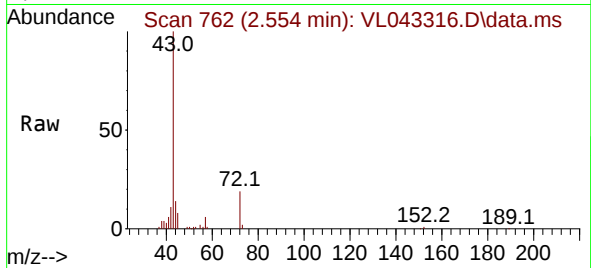




#34  
2-Butanone  
Concen: 0.444 ppbv  
RT: 2.554 min Scan# 761  
Delta R.T. 0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

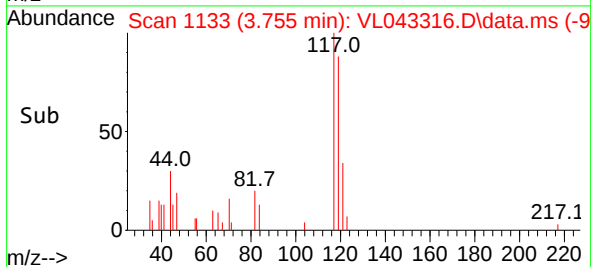
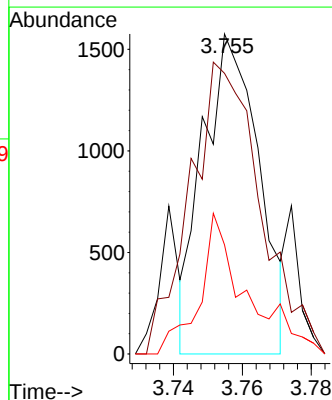
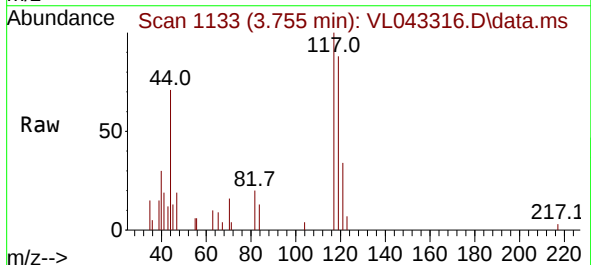
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ClientSampleId :  
16-IA-1

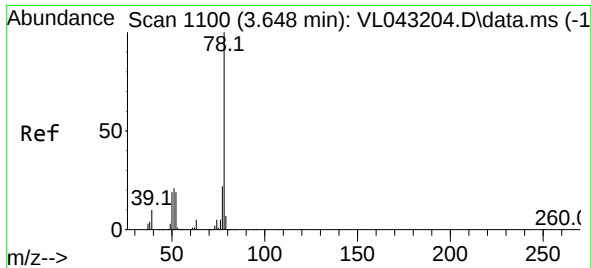
Tgt Ion: 43 Resp: 12307  
Ion Ratio Lower Upper  
43 100  
72 22.9 18.1 27.1



#35  
Carbon Tetrachloride  
Concen: 0.060 ppbv  
RT: 3.755 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 117 Resp: 1777  
Ion Ratio Lower Upper  
117 100  
119 73.4 74.6 112.0#  
121 32.6 23.2 34.8

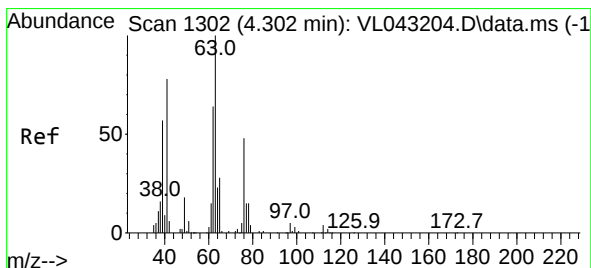
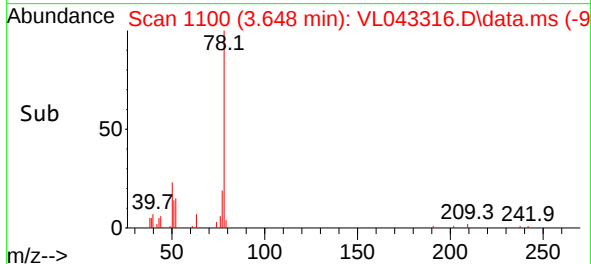
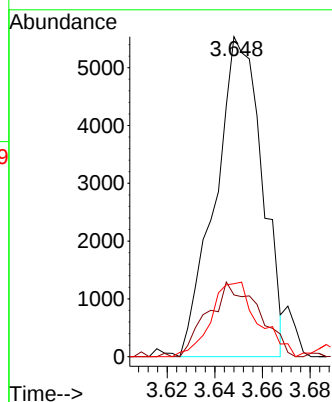
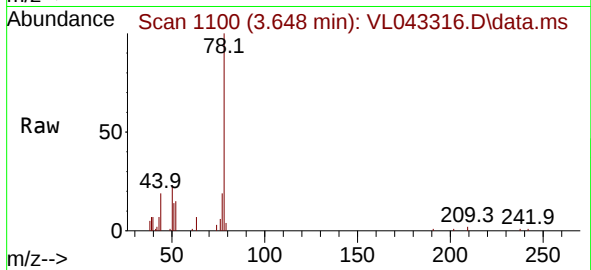




#36  
Benzene  
Concen: 0.201 ppbv  
RT: 3.648 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

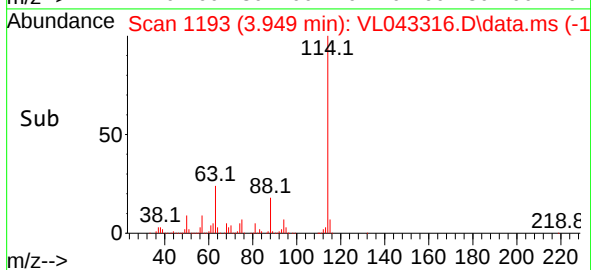
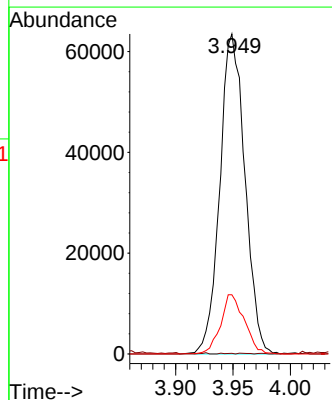
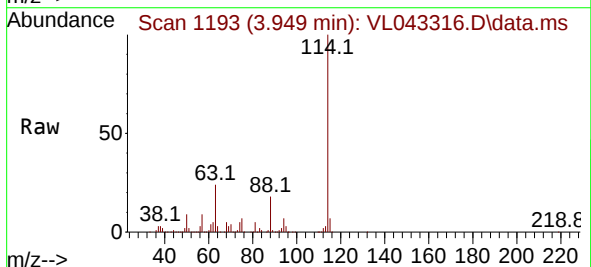
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ClientSampleId :  
16-IA-1

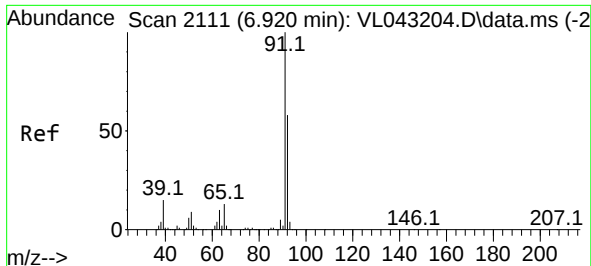
|             |             |
|-------------|-------------|
| Tgt Ion: 78 | Resp: 7554  |
| Ion Ratio   | Lower Upper |
| 78 100      |             |
| 77 19.3     | 17.5 26.3   |
| 50 21.4     | 15.5 23.3   |



#39  
1,2-Dichloropropane  
Concen: 7.007 ppbv  
RT: 3.949 min Scan# 1193  
Delta R.T. -0.353 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 96525 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 41 0.2      | 62.6 93.8#  |
| 62 18.5     | 51.0 76.6#  |

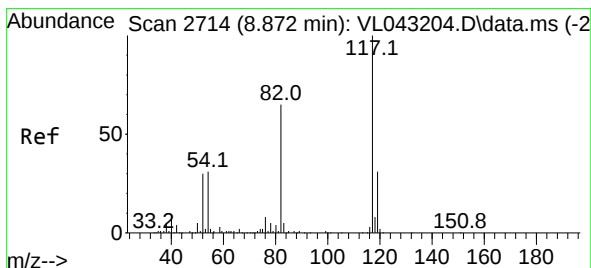
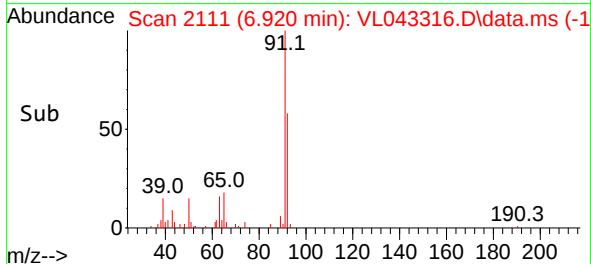
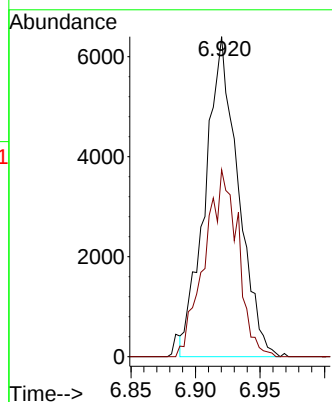
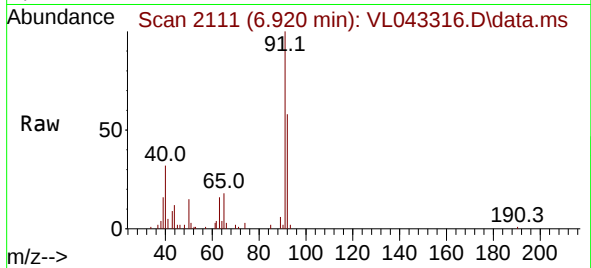




#53  
Toluene  
Concen: 0.255 ppbv  
RT: 6.920 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

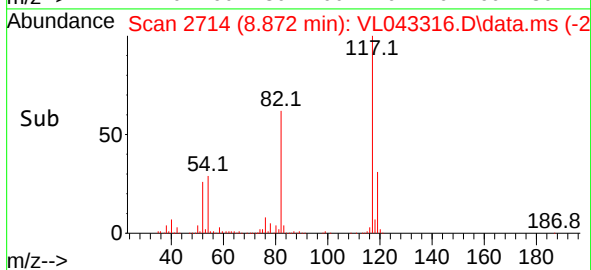
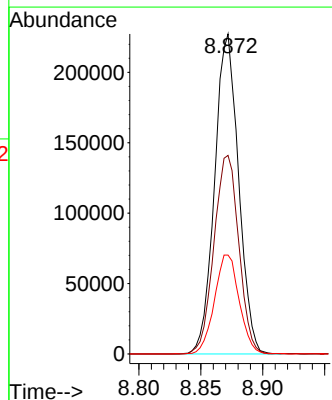
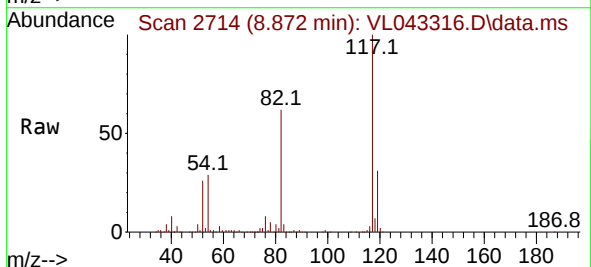
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MSVOA\_L  
ClientSampleId :  
16-IA-1

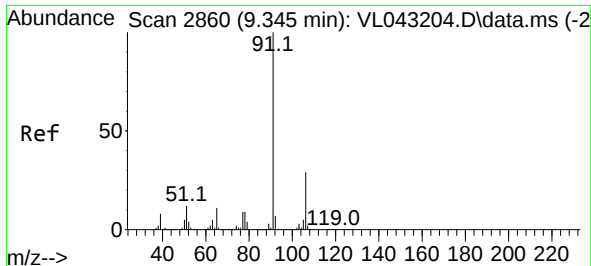
Tgt Ion: 91 Resp: 11377  
Ion Ratio Lower Upper  
91 100  
92 59.0 47.4 71.0



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.872 min Scan# 2714  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 117 Resp: 306652  
Ion Ratio Lower Upper  
117 100  
82 64.3 56.1 84.1  
119 32.1 25.0 37.6

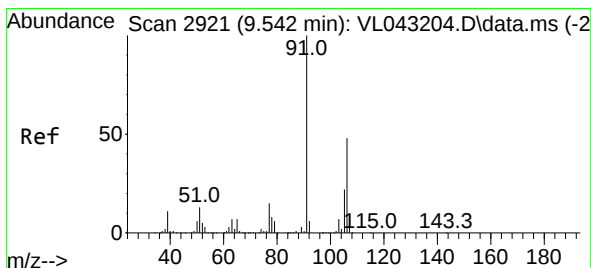
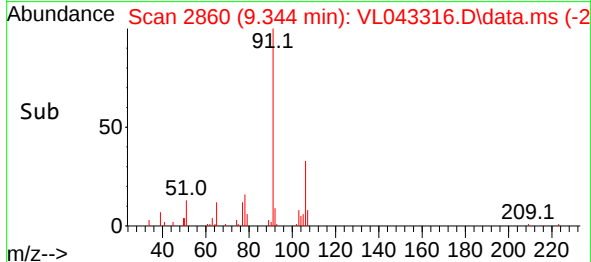
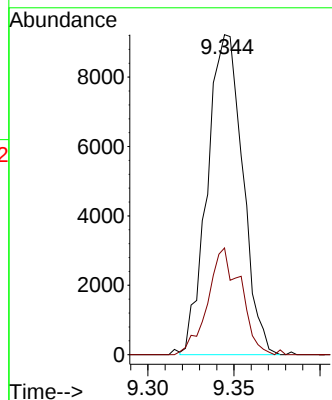
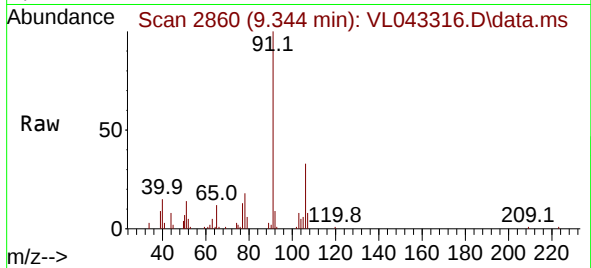




#58  
Ethyl Benzene  
Concen: 0.223 ppbv  
RT: 9.344 min Scan# 2115  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

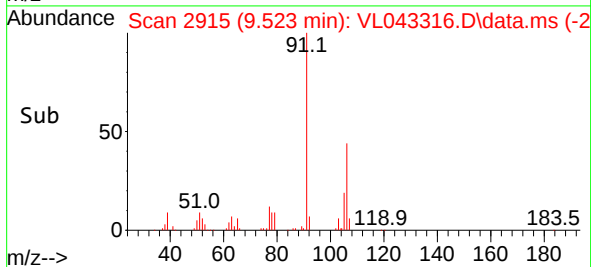
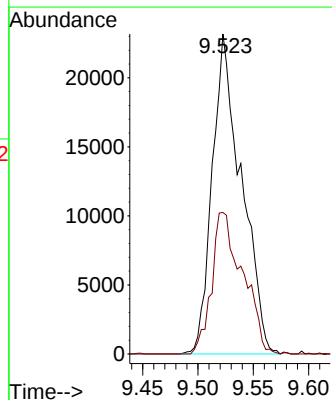
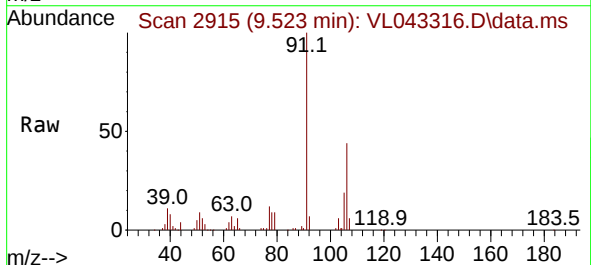
Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

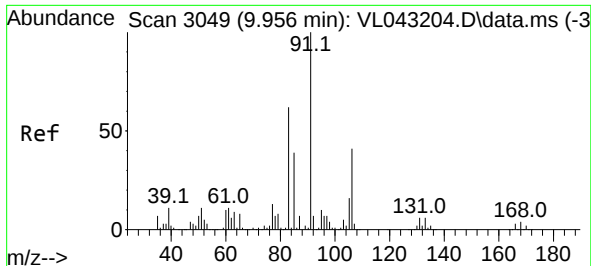
Tgt Ion: 91 Resp: 13162  
Ion Ratio Lower Upper  
91 100  
106 32.4 22.8 34.2



#59  
m/p-Xylene  
Concen: 0.897 ppbv  
RT: 9.523 min Scan# 2915  
Delta R.T. -0.020 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 91 Resp: 42461  
Ion Ratio Lower Upper  
91 100  
106 47.0 36.1 54.1

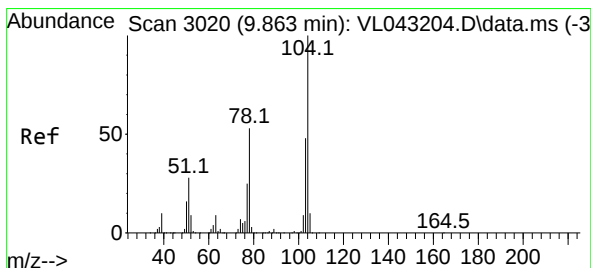
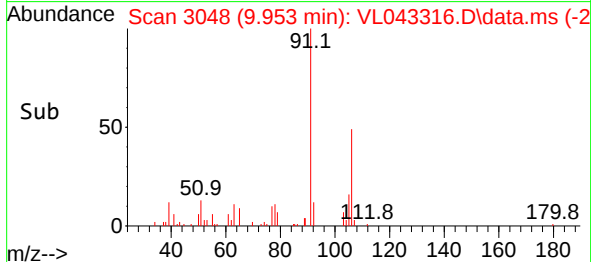
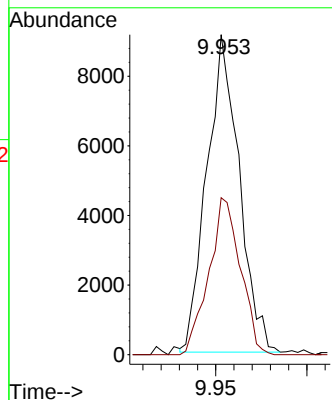
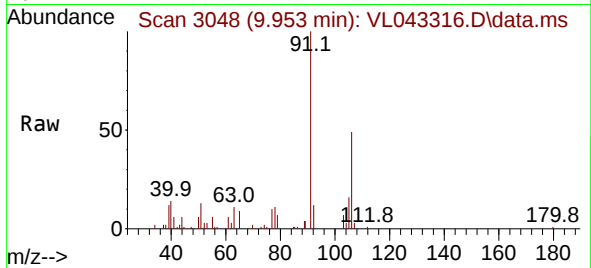




#60  
o-Xylene  
Concen: 0.239 ppbv  
RT: 9.953 min Scan# 3048  
Delta R.T. -0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

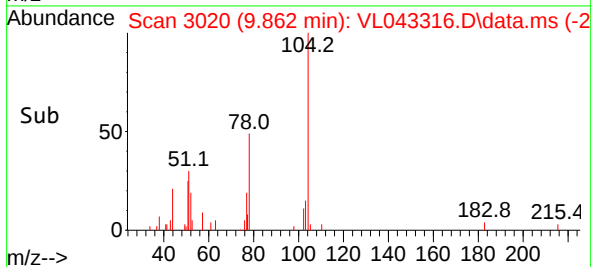
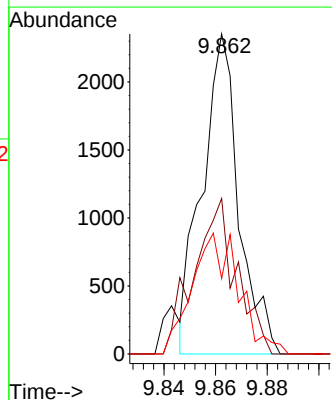
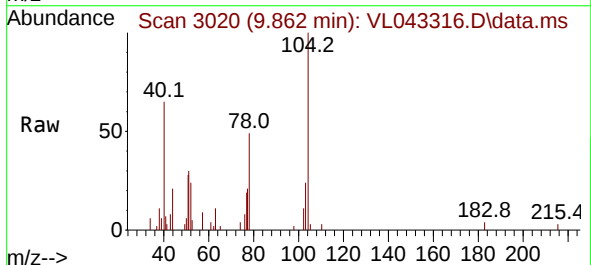
Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

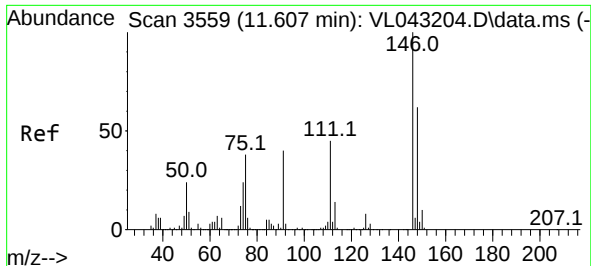
Tgt Ion: 91 Resp: 11276  
Ion Ratio Lower Upper  
91 100  
106 48.2 20.9 62.8



#61  
Styrene  
Concen: 0.113 ppbv  
RT: 9.862 min Scan# 3020  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion:104 Resp: 2334  
Ion Ratio Lower Upper  
104 100  
78 55.6 42.1 63.1  
103 47.8 37.2 55.8

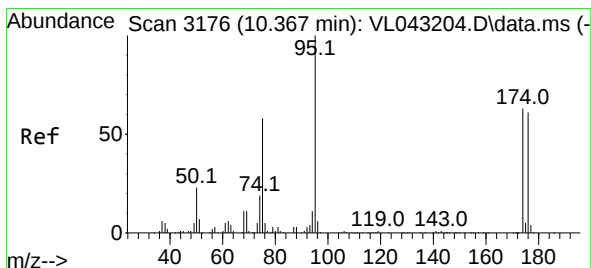
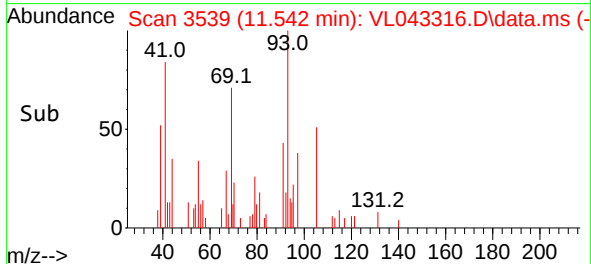
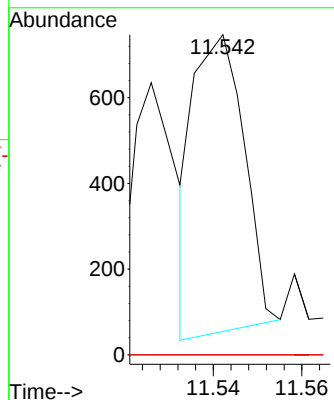
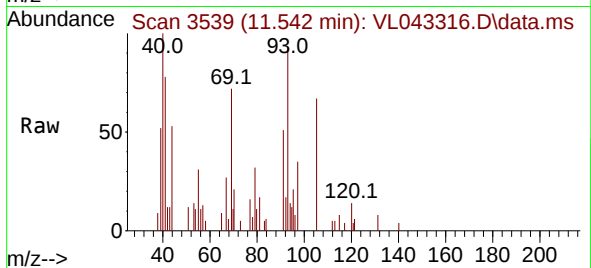




#66  
Benzyl Chloride  
Concen: 0.073 ppbv  
RT: 11.542 min Scan# 3153  
Delta R.T. -0.065 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

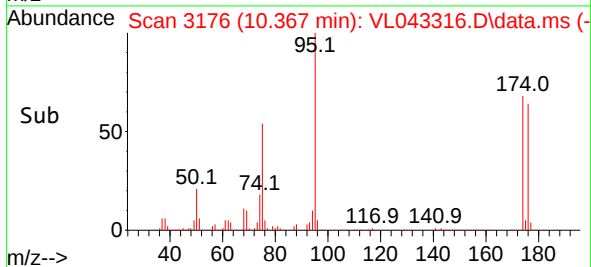
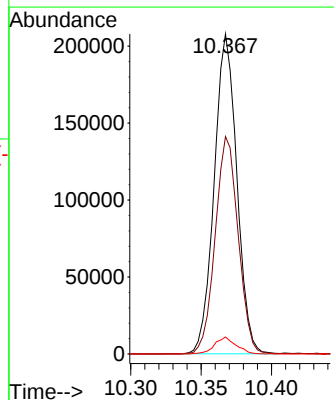
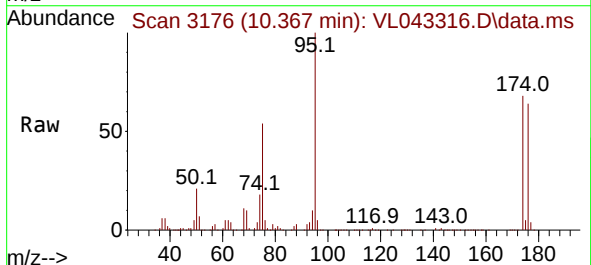
Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

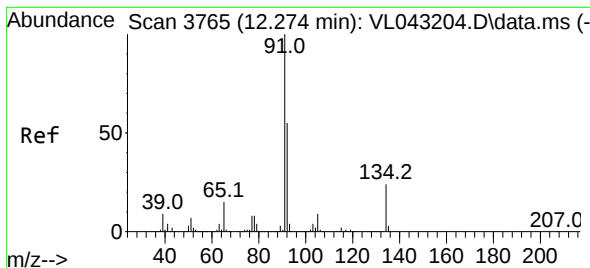
Tgt Ion: 91 Resp: 558  
Ion Ratio Lower Upper  
91 100  
126 6.1 14.4 21.6#  
128 7.3 4.6 6.8#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.363 ppbv  
RT: 10.367 min Scan# 3176  
Delta R.T. -0.000 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion: 95 Resp: 232936  
Ion Ratio Lower Upper  
95 100  
174 68.8 50.2 75.2  
175 5.0 4.1 6.1





#70

n-Butylbenzene

Concen: 0.560 ppbv

RT: 12.034 min Scan# 3

Delta R.T. -0.240 min

Lab File: VL043316.D

Acq: 08 Dec 2025 17:00

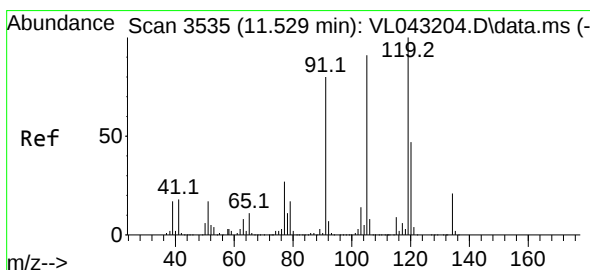
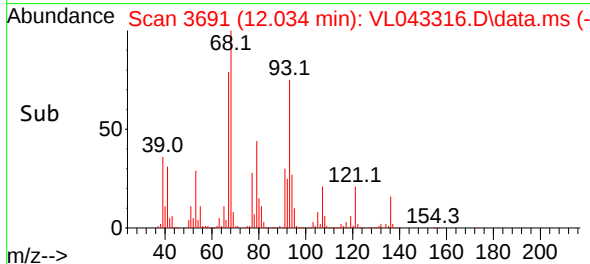
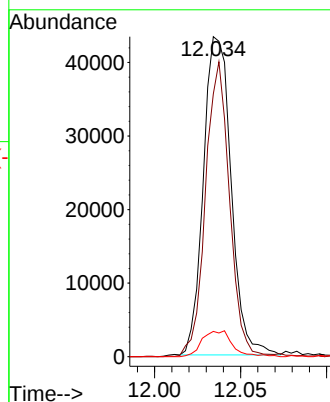
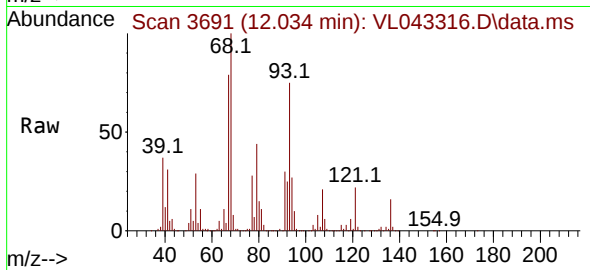
Instrument :

MSVOA\_L

ClientSampleId :

16-IA-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 48515 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 81.0  | 43.5  | 65.3# |
| 134      | 8.9   | 19.0  | 28.6# |



#74

1,2,4-Trimethylbenzene

Concen: 0.048 ppbv

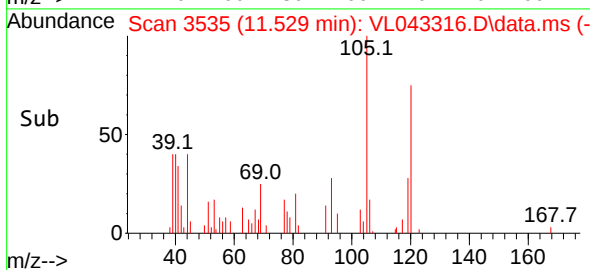
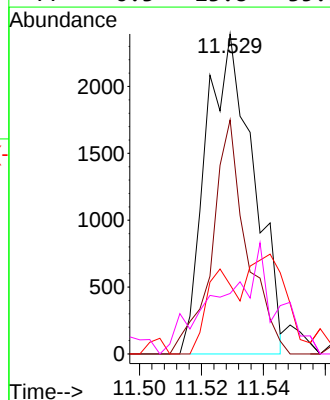
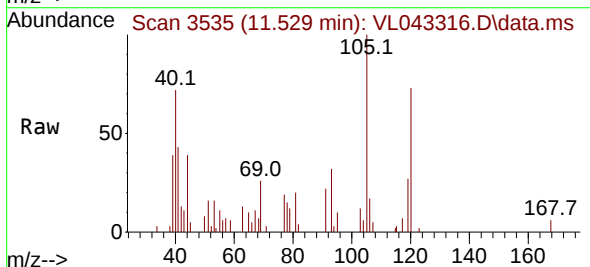
RT: 11.529 min Scan# 3535

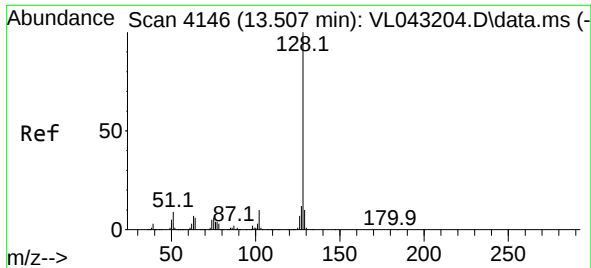
Delta R.T. -0.000 min

Lab File: VL043316.D

Acq: 08 Dec 2025 17:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 2546   |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 69.1  | 41.7  | 62.5#  |
| 91       | 21.6  | 70.0  | 105.0# |
| 77       | 6.3   | 23.8  | 35.8#  |

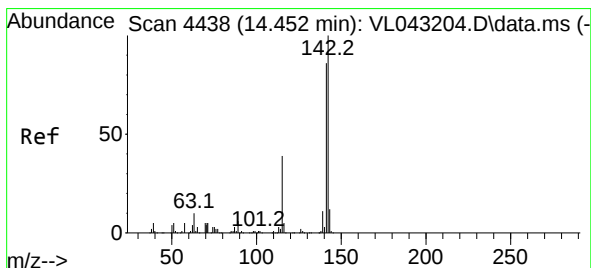
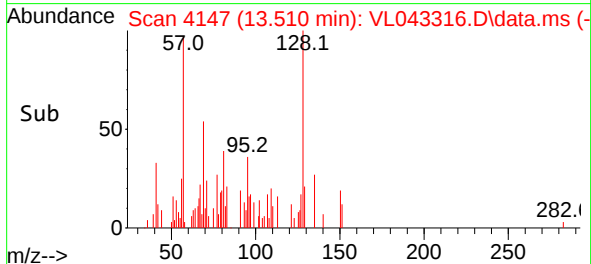
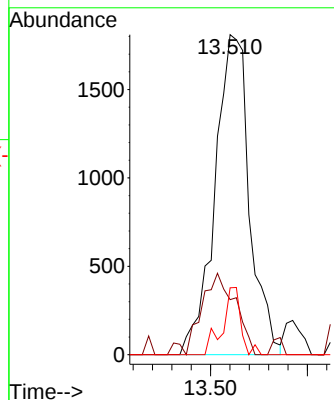
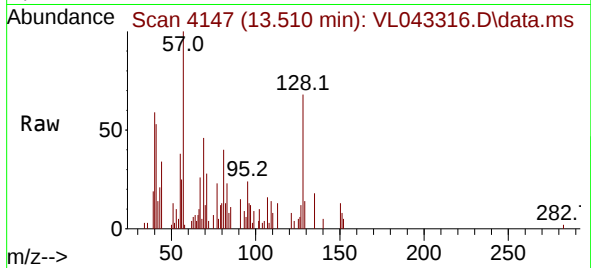




#79  
Naphthalene  
Concen: 0.048 ppbv  
RT: 13.510 min Scan# 4146  
Delta R.T. 0.003 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Instrument :  
MSVOA\_L  
ClientSampleId :  
16-IA-1

Tgt Ion:128 Resp: 2251  
Ion Ratio Lower Upper  
128 100  
127 14.0 9.9 14.9  
129 20.9 8.4 12.6#



#80  
Naphthalene,2-methyl-  
Concen: 0.145 ppbv  
RT: 14.458 min Scan# 4440  
Delta R.T. 0.006 min  
Lab File: VL043316.D  
Acq: 08 Dec 2025 17:00

Tgt Ion:142 Resp: 1788  
Ion Ratio Lower Upper  
142 100  
141 86.1 67.1 100.7  
115 64.3 31.9 47.9#

