

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080124\  
 Data File : VL041482.D  
 Acq On : 1 Aug 2024 17:42  
 Operator : SY/MD  
 Sample : P3445-02DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 AMBIENT-OUTSIDEDL

Quant Time: Aug 02 04:13:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Aug 02 03:13:29 2024  
 Response via : Initial Calibration

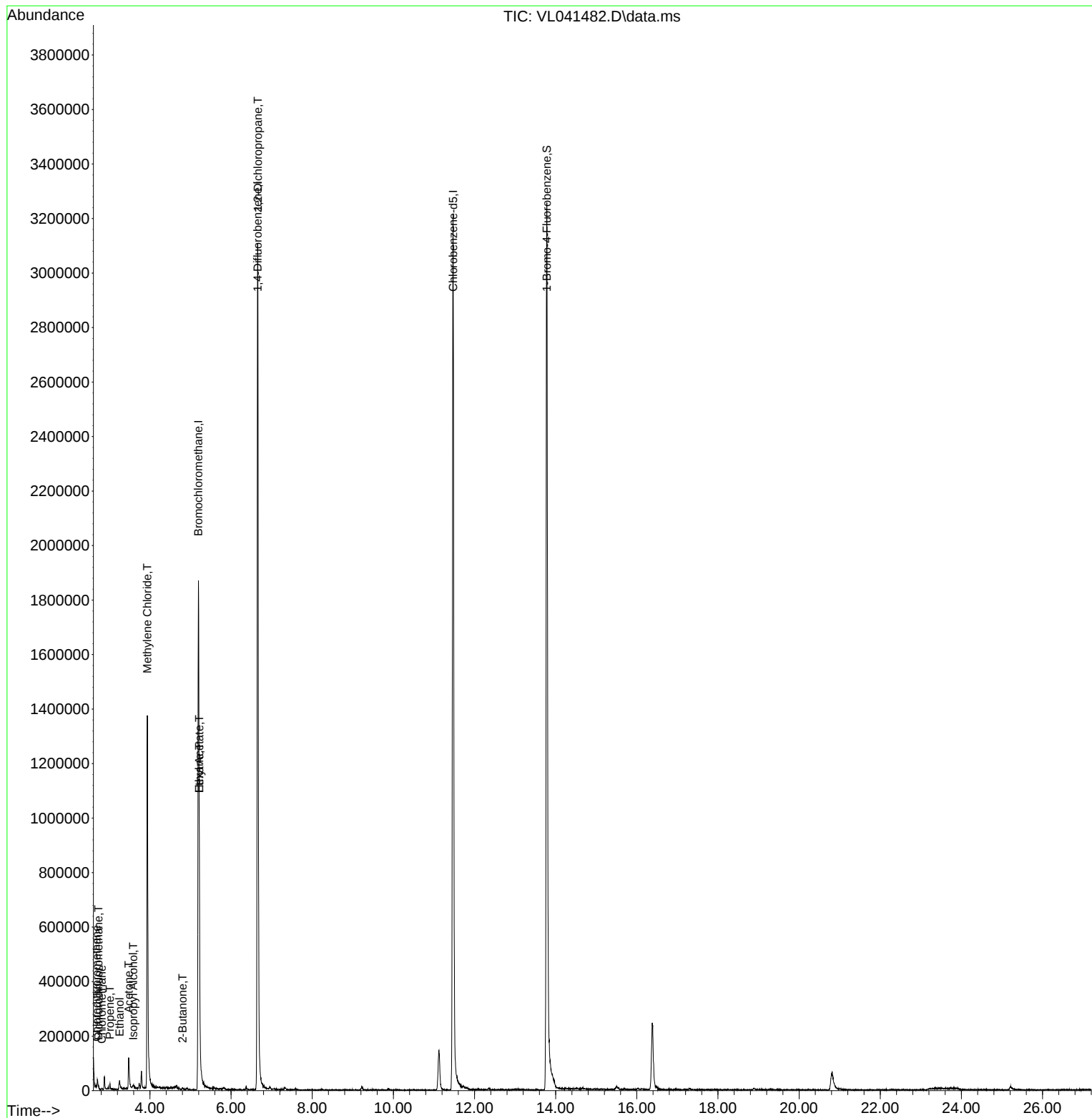
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.195  | 49    | 887786   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.655  | 114   | 2353600  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.471 | 117   | 2146360  | 10.000   | ppbv   | # 0.00   |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 1611068  | 9.754    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 2.732  | 85    | 8487     | 0.056    | ppbv   | 95       |
| 3) Chlorodifluoromethane    | 2.681  | 51    | 12165    | 0.115    | ppbv # | 86       |
| 4) Chloromethane            | 2.813  | 50    | 1785     | 0.032    | ppbv   | 96       |
| 9) Propene                  | 3.015  | 41    | 2861     | 0.059    | ppbv   | 94       |
| 13) Ethanol                 | 3.253  | 45    | 25241    | 5.817    | ppbv # | 54       |
| 15) Acetone                 | 3.475  | 43    | 109360   | 1.084    | ppbv   | 94       |
| 19) Isopropyl Alcohol       | 3.591  | 45    | 10508    | 0.178    | ppbv # | 65       |
| 20) Methylene Chloride      | 3.938  | 84    | 460760   | 12.249   | ppbv   | 98       |
| 25) Ethyl Acetate           | 5.218  | 43    | 136852   | 0.683    | ppbv # | 76       |
| 26) Hexane                  | 5.218  | 57    | 187312   | 2.253    | ppbv # | 37       |
| 34) 2-Butanone              | 4.803  | 43    | 4349     | 0.038    | ppbv # | 60       |
| 39) 1,2-Dichloropropane     | 6.658  | 63    | 574963   | 8.733    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

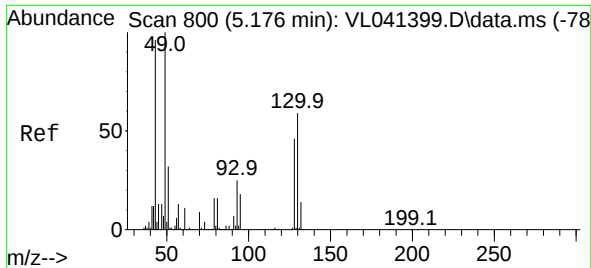
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Aug 02 03:13:29 2024  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.195 min Scan# 80

Delta R.T. 0.006 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

AMBIENT-OUTSIDEDL

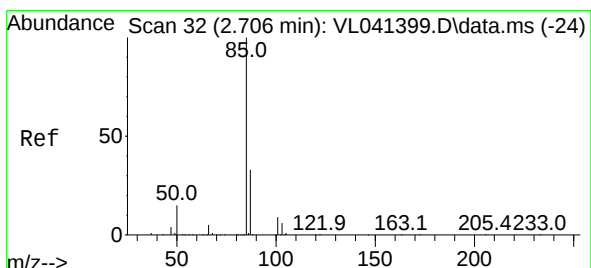
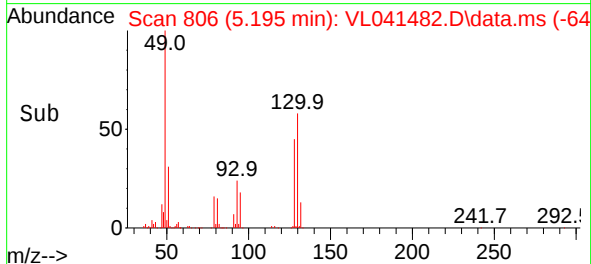
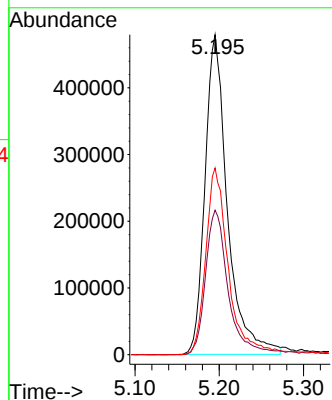
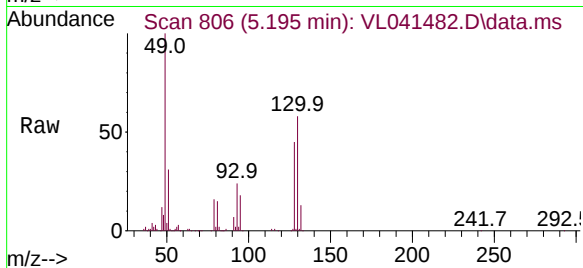
Tgt Ion: 49 Resp: 887786

Ion Ratio Lower Upper

49 100

128 47.2 23.8 71.4

130 59.9 30.8 92.4



#2

Dichlorodifluoromethane

Concen: 0.056 ppbv

RT: 2.732 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL041482.D

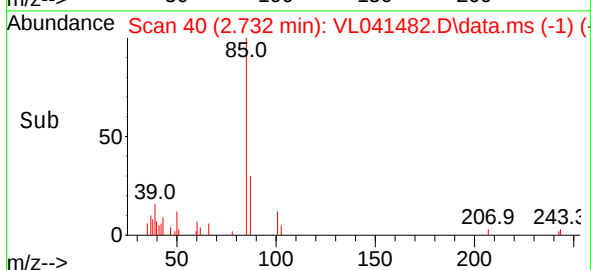
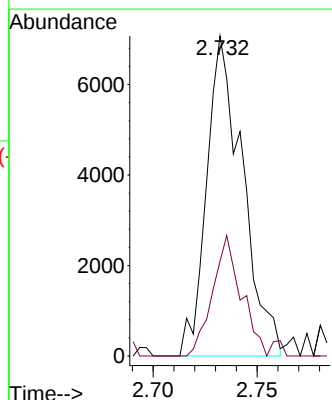
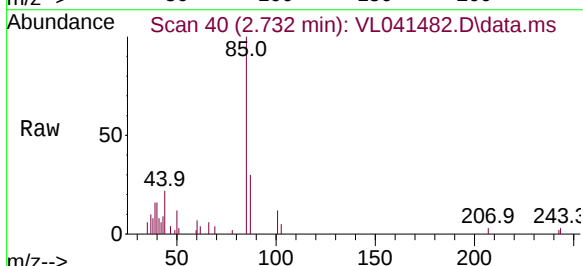
Acq: 1 Aug 2024 17:42

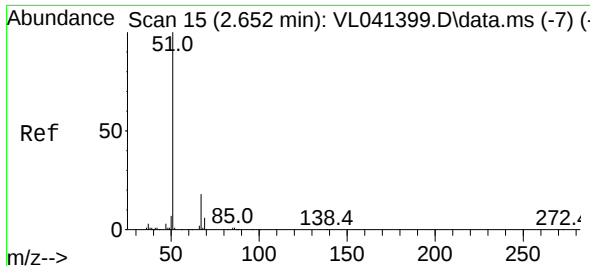
Tgt Ion: 85 Resp: 8487

Ion Ratio Lower Upper

85 100

87 29.7 26.0 39.0

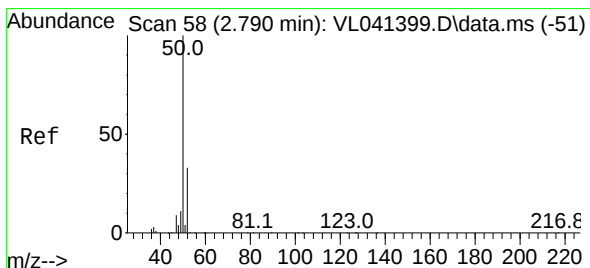
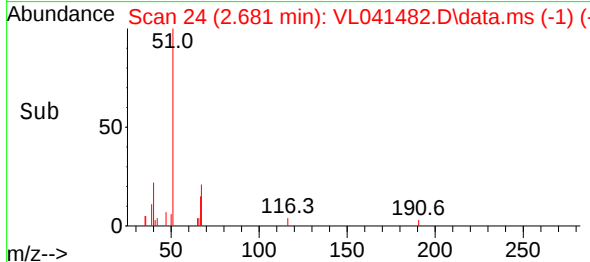
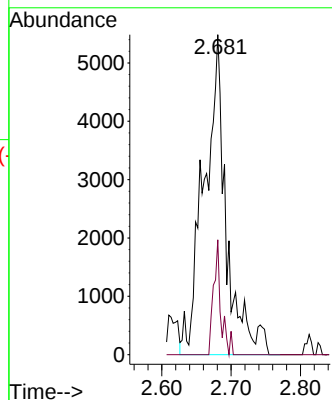
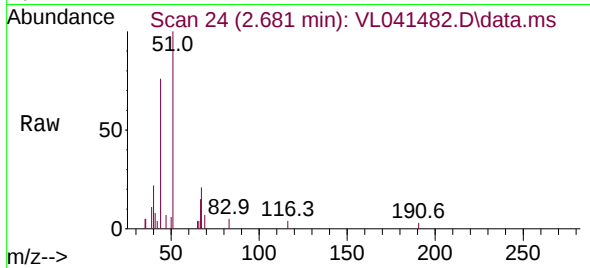




#3  
Chlorodifluoromethane  
Concen: 0.115 ppbv  
RT: 2.681 min Scan# 24  
Delta R.T. 0.006 min  
Lab File: VL041482.D  
Acq: 1 Aug 2024 17:42

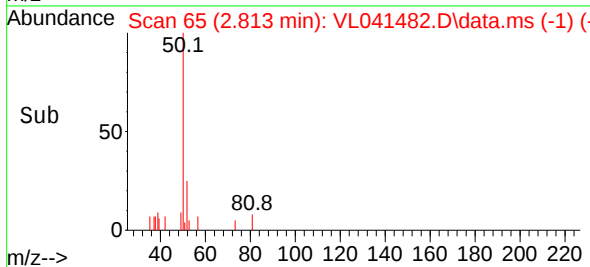
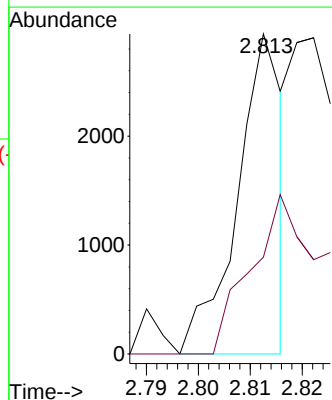
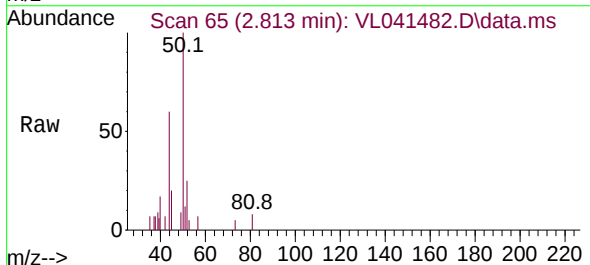
Instrument :  
MSVOA\_L  
ClientSampleId :  
AMBIENT-OUTSIDEDL

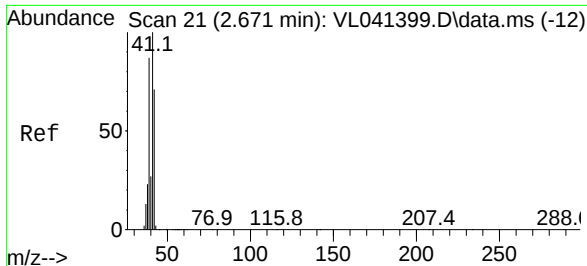
Tgt Ion: 51 Resp: 12165  
Ion Ratio Lower Upper  
51 100  
67 11.8 14.5 21.7#



#4  
Chloromethane  
Concen: 0.032 ppbv  
RT: 2.813 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VL041482.D  
Acq: 1 Aug 2024 17:42

Tgt Ion: 50 Resp: 1785  
Ion Ratio Lower Upper  
50 100  
52 30.3 26.1 39.1

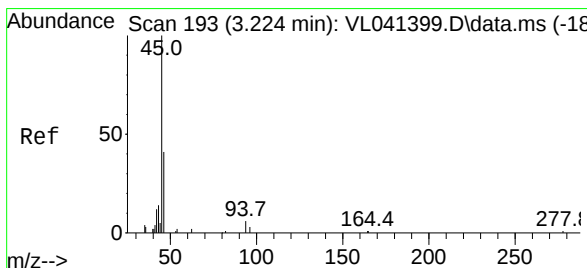
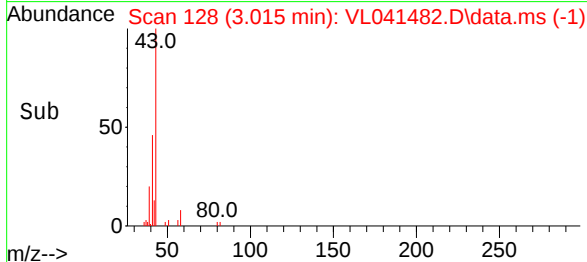
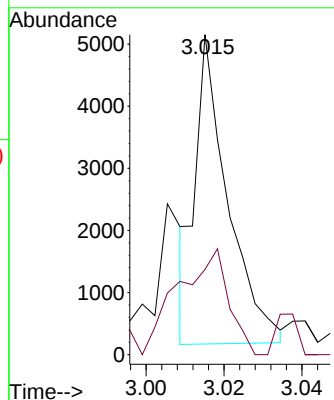
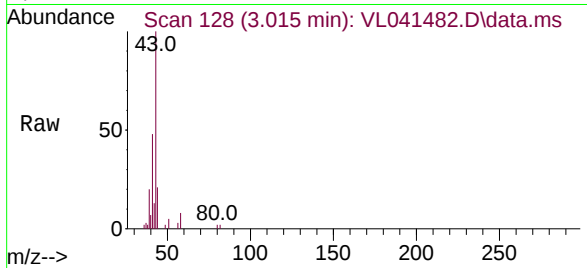




#9  
Propene  
Concen: 0.059 ppbv  
RT: 3.015 min Scan# 11  
Delta R.T. 0.322 min  
Lab File: VL041482.D  
Acq: 1 Aug 2024 17:42

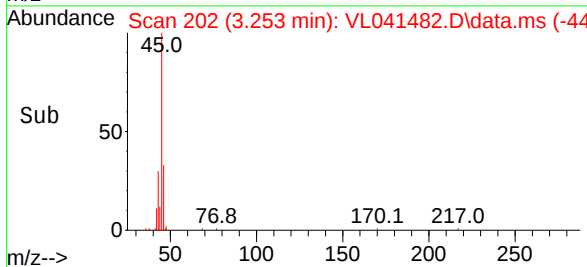
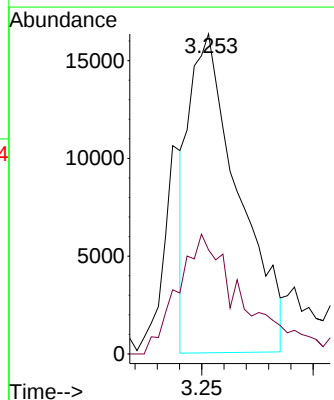
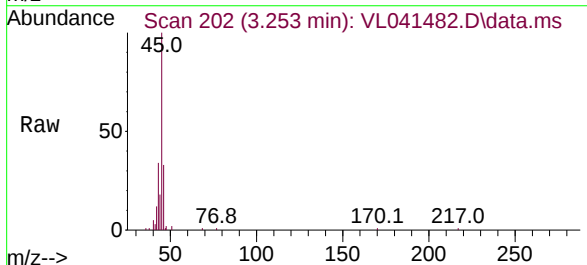
Instrument :  
MSVOA\_L  
ClientSampleId :  
AMBIENT-OUTSIDEDL

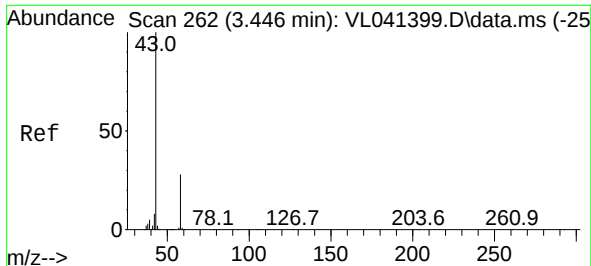
Tgt Ion: 41 Resp: 2861  
Ion Ratio Lower Upper  
41 100  
42 75.0 55.9 83.9



#13  
Ethanol  
Concen: 5.817 ppbv  
RT: 3.253 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VL041482.D  
Acq: 1 Aug 2024 17:42

Tgt Ion: 45 Resp: 25241  
Ion Ratio Lower Upper  
45 100  
46 59.4 13.4 53.4#





#15

Acetone

Concen: 1.084 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

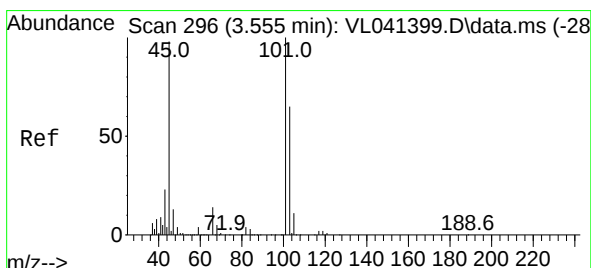
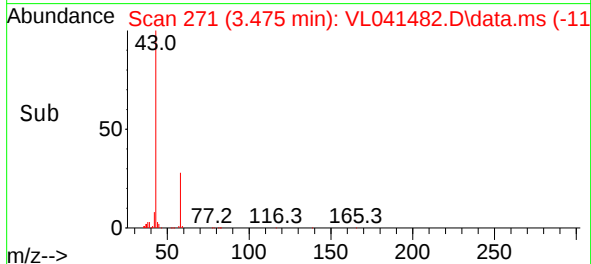
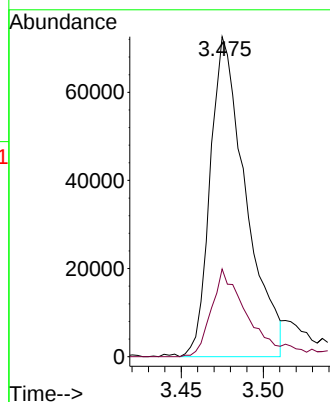
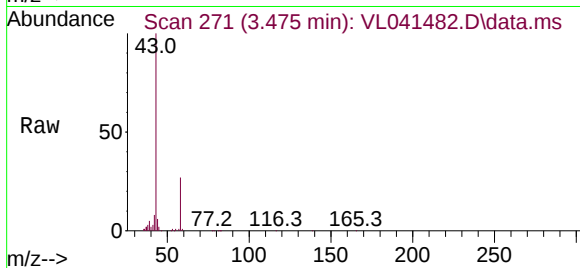
AMBIENT-OUTSIDEDL

Tgt Ion: 43 Resp: 109360

Ion Ratio Lower Upper

43 100

58 29.7 21.4 32.2



#19

Isopropyl Alcohol

Concen: 0.178 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.016 min

Lab File: VL041482.D

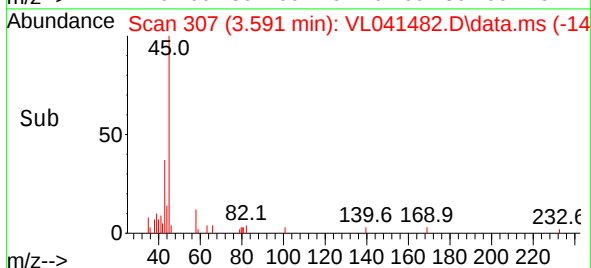
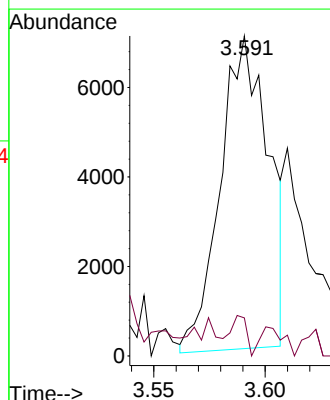
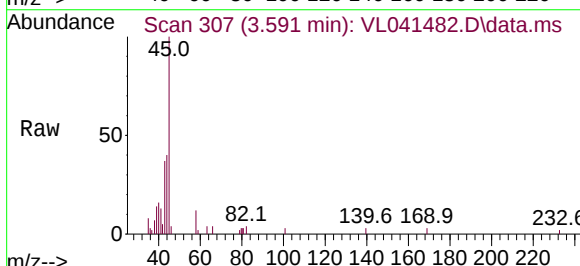
Acq: 1 Aug 2024 17:42

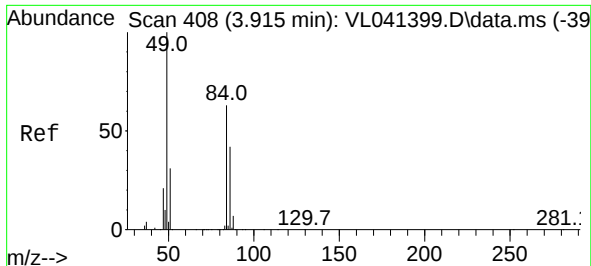
Tgt Ion: 45 Resp: 10508

Ion Ratio Lower Upper

45 100

58 14.2 1.9 2.9#





#20

Methylene Chloride

Concen: 12.249 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041482.D

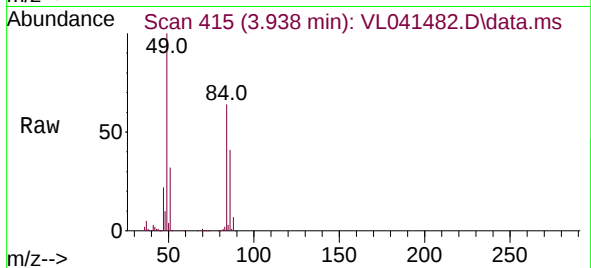
Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

AMBIENT-OUTSIDEDL



Tgt Ion: 84 Resp: 460760

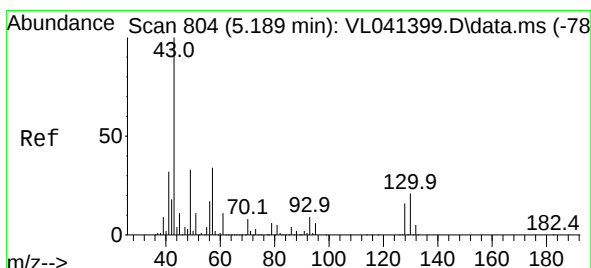
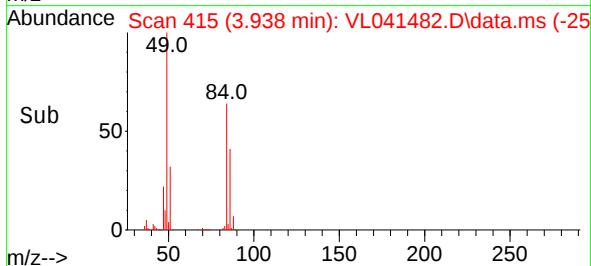
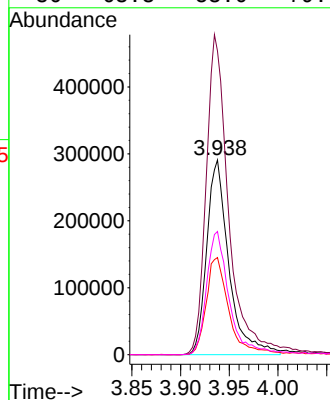
Ion Ratio Lower Upper

84 100

49 156.0 126.6 190.0

51 49.9 38.6 58.0

86 63.3 53.0 79.4



#25

Ethyl Acetate

Concen: 0.683 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.016 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Tgt Ion: 43 Resp: 136852

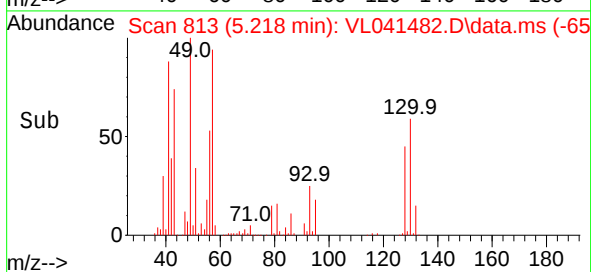
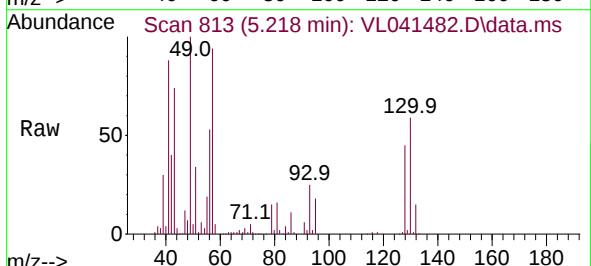
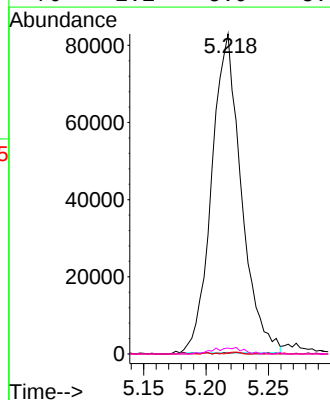
Ion Ratio Lower Upper

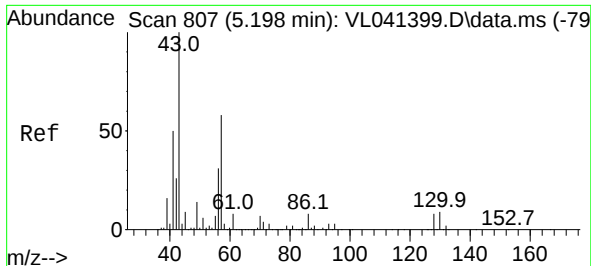
43 100

45 0.1 8.5 12.7#

61 0.4 8.0 12.0#

70 2.1 5.9 8.9#





#26

Hexane

Concen: 2.253 ppbv

RT: 5.218 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

AMBIENT-OUTSIDEDL

Tgt Ion: 57 Resp: 187312

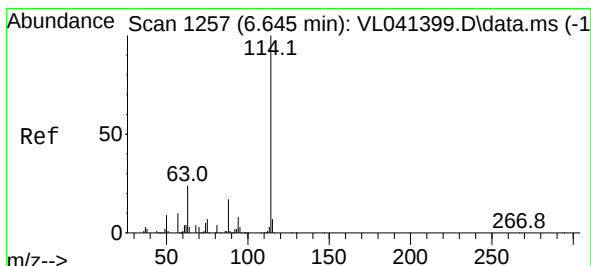
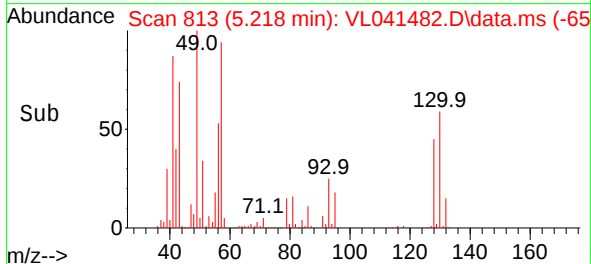
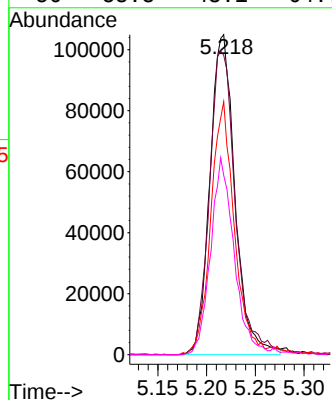
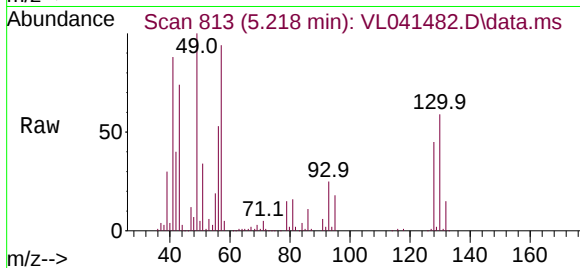
Ion Ratio Lower Upper

57 100

41 99.9 74.0 111.0

43 76.4 193.6 290.4#

56 58.8 43.1 64.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

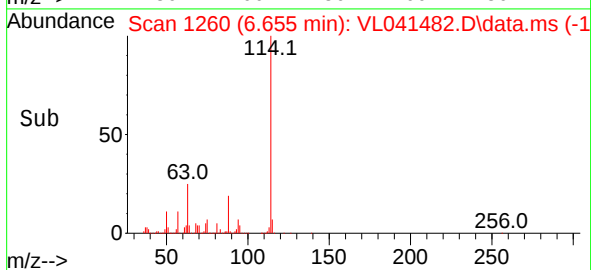
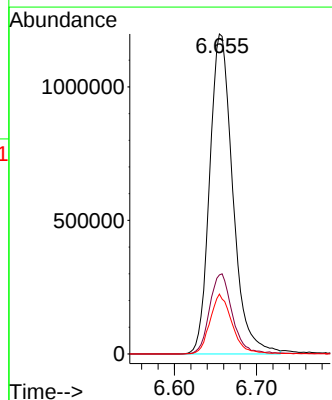
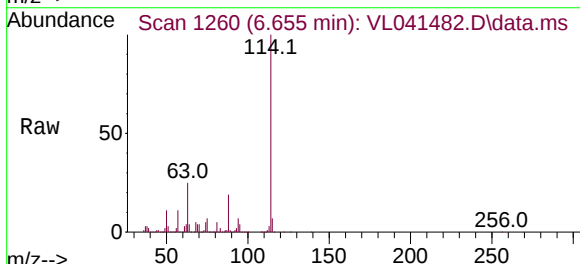
Tgt Ion:114 Resp: 2353600

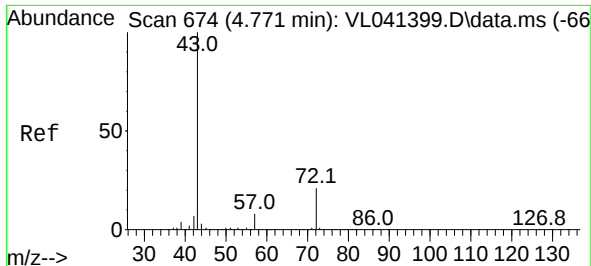
Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 18.0 14.3 21.5





#34

2-Butanone

Concen: 0.038 ppbv

RT: 4.803 min Scan# 61

Delta R.T. 0.019 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

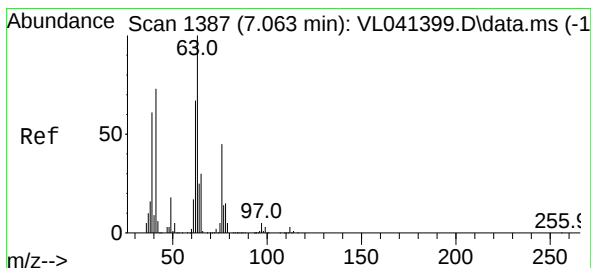
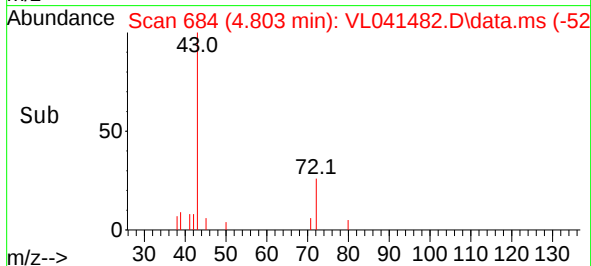
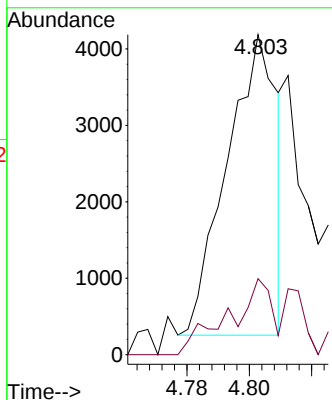
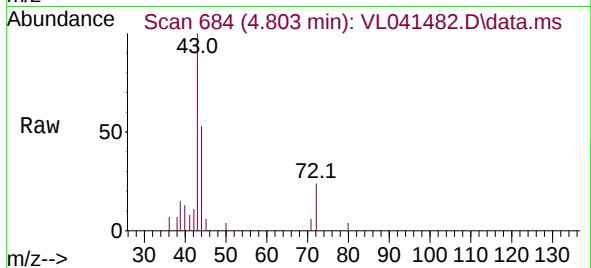
AMBIENT-OUTSIDEDL

Tgt Ion: 43 Resp: 4349

Ion Ratio Lower Upper

43 100

72 40.7 17.3 25.9#



#39

1,2-Dichloropropane

Concen: 8.733 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.412 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

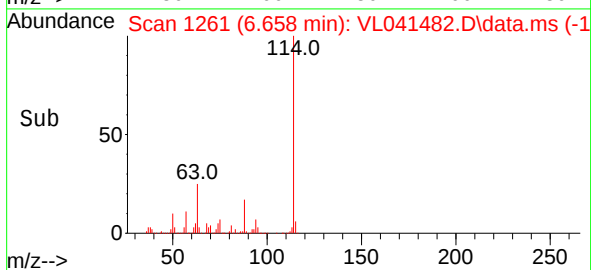
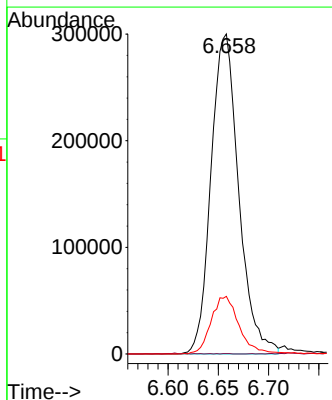
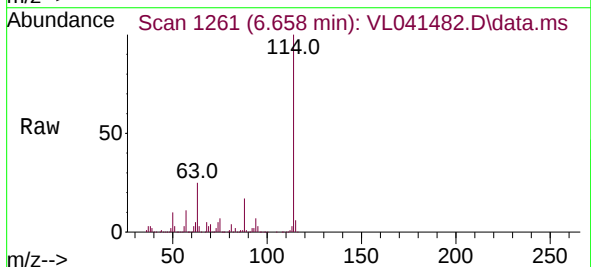
Tgt Ion: 63 Resp: 574963

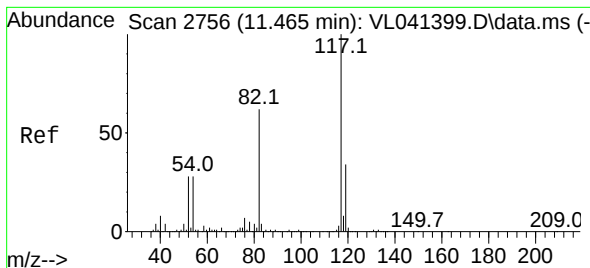
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.0 53.9 80.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Instrument :

MSVOA\_L

ClientSampleId :

AMBIENT-OUTSIDEDL

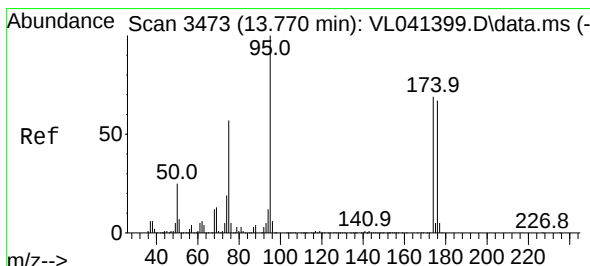
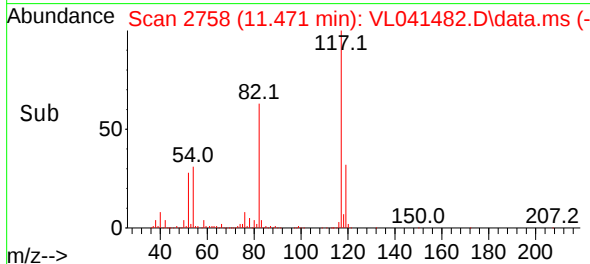
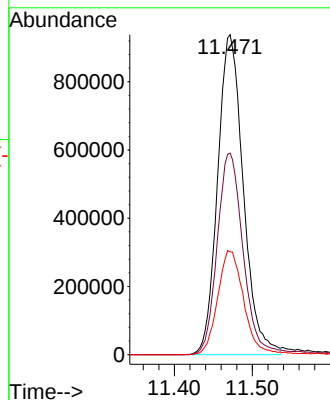
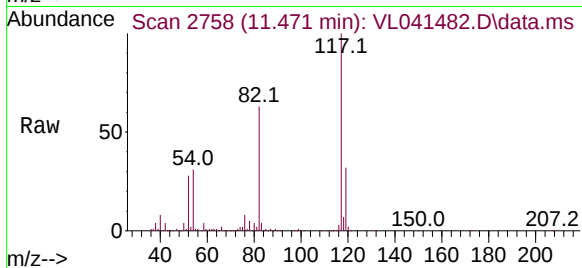
Tgt Ion:117 Resp: 2146360

Ion Ratio Lower Upper

117 100

82 64.6 51.0 76.6

119 33.6 45.2 67.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.754 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041482.D

Acq: 1 Aug 2024 17:42

Tgt Ion: 95 Resp: 1611068

Ion Ratio Lower Upper

95 100

174 73.5 56.3 84.5

175 5.3 4.0 6.0

