

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082224\  
 Data File : VL041583.D  
 Acq On : 22 Aug 2024 12:14  
 Operator : SY/MD  
 Sample : P3710-02DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CD131DUP

Quant Time: Aug 23 01:30:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Aug 23 01:15:26 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.195  | 49   | 965097   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.651  | 114  | 2561023  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.455 | 117  | 2404218  | 10.000 | ppbv  | # 0.00   |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.764 | 95    | 1812291  | 9.795    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.000% |

|                               |        |     |          |         |        |     |
|-------------------------------|--------|-----|----------|---------|--------|-----|
| Target Compounds              |        |     |          |         | Qvalue |     |
| 2) Dichlorodifluoromethane    | 2.751  | 85  | 36020    | 0.217   | ppbv   | 91  |
| 3) Chlorodifluoromethane      | 2.674  | 51  | 1120700  | 9.755   | ppbv # | 61  |
| 4) Chloromethane              | 2.835  | 50  | 52389    | 0.857   | ppbv   | 91  |
| 7) Chloroethane               | 3.211  | 64  | 928      | 0.045   | ppbv # | 86  |
| 9) Propene                    | 2.889  | 41  | 492326   | 9.328   | ppbv   | 89  |
| 10) Heptane                   | 7.571  | 43  | 78475    | 0.662   | ppbv # | 27  |
| 11) Trichlorofluoromethane    | 3.577  | 101 | 36616    | 0.248   | ppbv   | 97  |
| 12) 1,1,2-Trichlorotrifluo... | 4.076  | 101 | 7605     | 0.072   | ppbv   | 92  |
| 13) Ethanol                   | 3.253  | 45  | 3438864  | 729.008 | ppbv   | 97  |
| 15) Acetone                   | 3.475  | 43  | 4142910  | 37.781  | ppbv # | 84  |
| 16) 1,3-Butadiene             | 2.979  | 39  | 41766    | 0.713   | ppbv # | 45  |
| 17) tert-Butyl alcohol        | 3.896  | 59  | 199157   | 1.991   | ppbv # | 72  |
| 19) Isopropyl Alcohol         | 3.590  | 45  | 3745943  | 58.433  | ppbv # | 98  |
| 20) Methylene Chloride        | 3.941  | 84  | 177778   | 4.348   | ppbv   | 96  |
| 21) Allyl Chloride            | 3.896  | 41  | 62363    | 0.867   | ppbv # | 62  |
| 22) trans-1,2-Dichloroethene  | 4.452  | 96  | 14511    | 0.320   | ppbv   | 92  |
| 23) Vinyl Acetate             | 4.622  | 43  | 211892   | 2.530   | ppbv # | 59  |
| 25) Ethyl Acetate             | 5.201  | 43  | 2661281  | 12.216  | ppbv # | 76  |
| 26) Hexane                    | 5.214  | 57  | 187510   | 2.075   | ppbv # | 1   |
| 27) Carbon Disulfide          | 4.134  | 76  | 73367    | 0.694   | ppbv # | 94  |
| 28) Methyl tert-Butyl Ether   | 4.597  | 73  | 9199     | 0.161   | ppbv # | 80  |
| 29) Chloroform                | 5.275  | 83  | 69511    | 0.472   | ppbv   | 88  |
| 30) Cyclohexane               | 6.600  | 84  | 64026    | 0.870   | ppbv   | 95  |
| 31) cis-1,2-Dichloroethene    | 5.201  | 61  | 340082   | 3.809   | ppbv # | 23  |
| 34) 2-Butanone                | 4.790  | 43  | 596142   | 4.812   | ppbv   | 98  |
| 36) Benzene                   | 6.372  | 78  | 107090   | 0.572   | ppbv # | 91  |
| 37) 1,2-Dichloroethane        | 5.809  | 62  | 132247   | 1.263   | ppbv # | 96  |
| 38) Trichloroethene           | 7.285  | 130 | 3916     | 0.046   | ppbv # | 38  |
| 39) 1,2-Dichloropropane       | 6.648  | 63  | 629992   | 8.793   | ppbv # | 24  |
| 41) Tetrahydrofuran           | 5.565  | 42  | 17314    | 0.244   | ppbv # | 74  |
| 43) Methyl Methacrylate       | 7.468  | 69  | 56845    | 0.847   | ppbv   | 91  |
| 44) 2,2,4-Trimethylpentane    | 7.323  | 57  | 1700294  | 5.440   | ppbv   | 98  |
| 50) 4-Methyl-2-Pentanone      | 8.182  | 43  | 91510    | 0.468   | ppbv   | 93  |
| 51) 2-Hexanone                | 9.535  | 43  | 7708     | 0.052   | ppbv # | 30  |
| 52) Tetrachloroethene         | 10.606 | 164 | 123619   | 1.710   | ppbv   | 95  |
| 53) Toluene                   | 9.217  | 91  | 10549859 | 50.613  | ppbv   | 94  |
| 58) Ethyl Benzene             | 12.076 | 91  | 541872   | 1.955   | ppbv   | 95  |
| 59) m/p-Xylene                | 12.333 | 91  | 926655   | 3.874   | ppbv   | 96  |
| 60) o-Xylene                  | 13.047 | 91  | 369237   | 1.632   | ppbv   | 100 |
| 61) Styrene                   | 12.883 | 104 | 418547   | 4.100   | ppbv   | 99  |
| 62) Isopropylbenzene          | 14.014 | 105 | 14462    | 0.042   | ppbv # | 74  |
| 64) n-propylbenzene           | 15.111 | 120 | 3515     | 0.039   | ppbv   | 69  |
| 69) p-Isopropyltoluene        | 16.979 | 119 | 31722    | 0.089   | ppbv # | 47  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082224\  
Data File : VL041583.D  
Acq On : 22 Aug 2024 12:14  
Operator : SY/MD  
Sample : P3710-02DUP  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

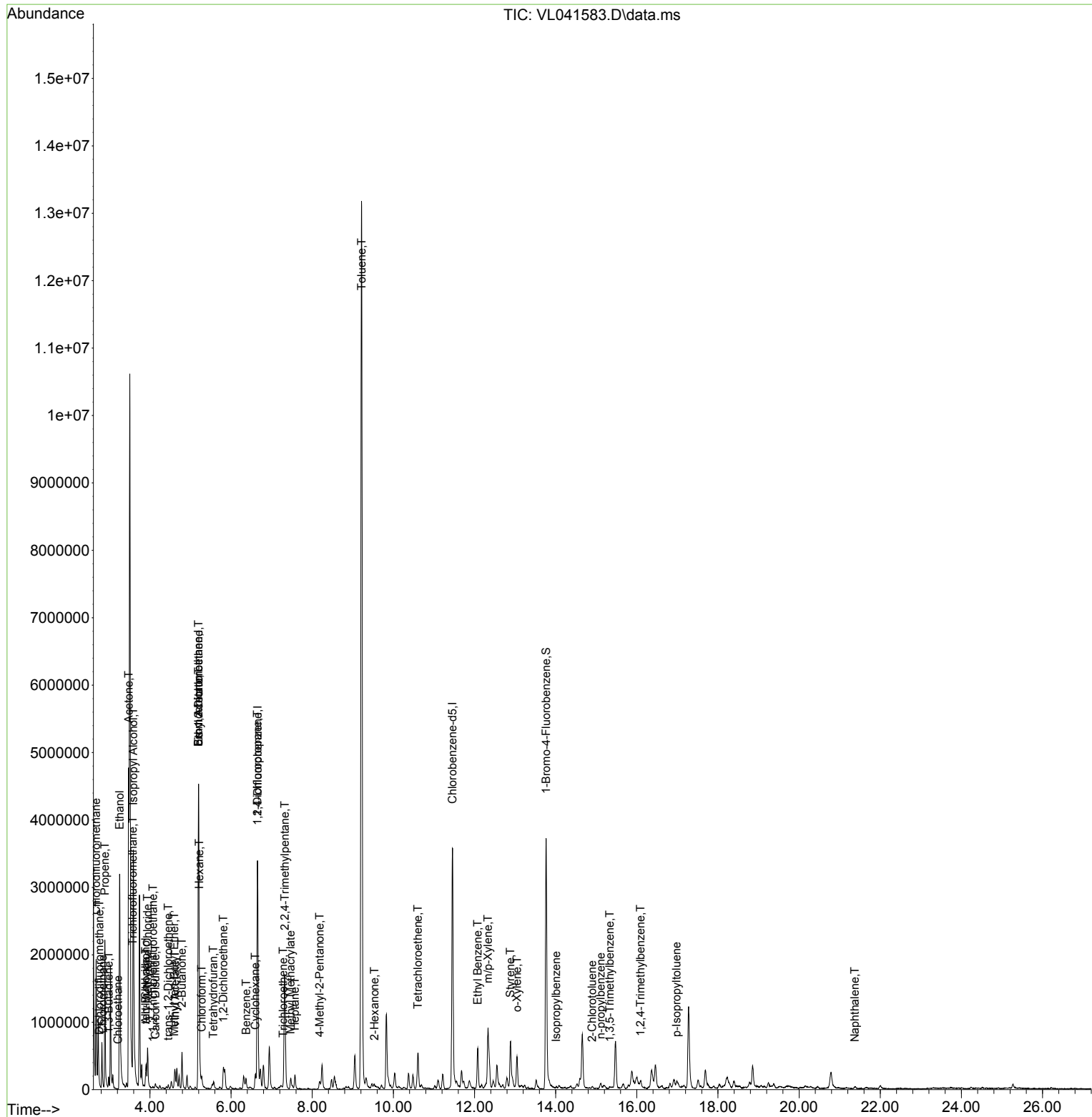
Quant Time: Aug 23 01:30:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Aug 23 01:15:26 2024  
Response via : Initial Calibration

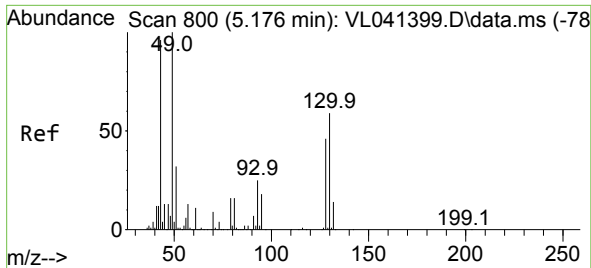
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 71) 2-Chlorotoluene        | 14.895 | 91   | 10745    | 0.042 | ppbv # | 45       |
| 73) 1,3,5-Trimethylbenzene | 15.333 | 105  | 9191     | 0.040 | ppbv # | 57       |
| 74) 1,2,4-Trimethylbenzene | 16.091 | 105  | 36117    | 0.135 | ppbv # | 71       |
| 79) Naphthalene            | 21.371 | 128  | 8285     | 0.035 | ppbv # | 69       |

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

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
CD131DUP

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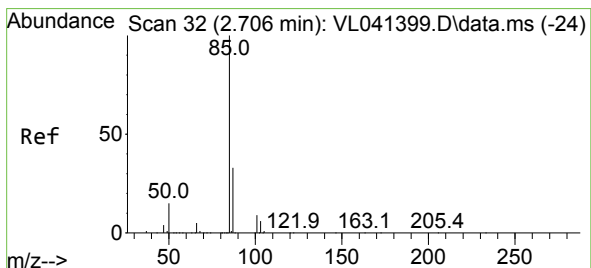
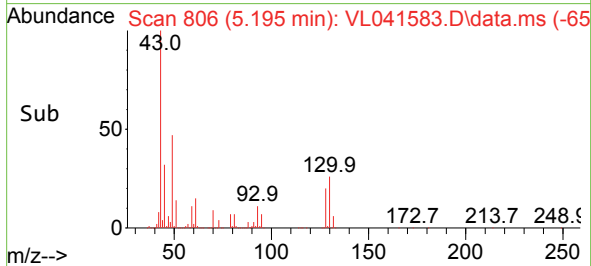
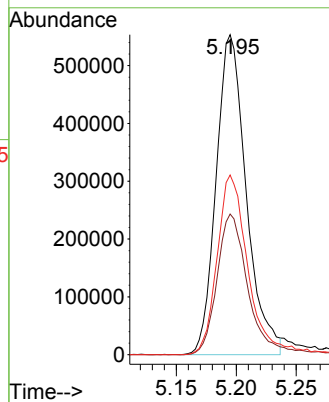
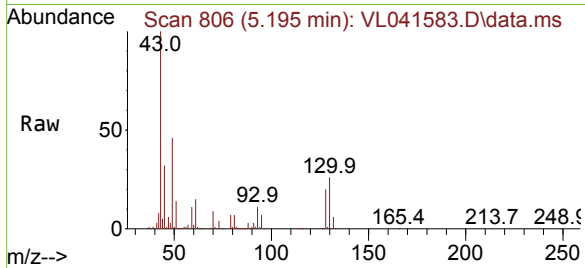




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.195 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

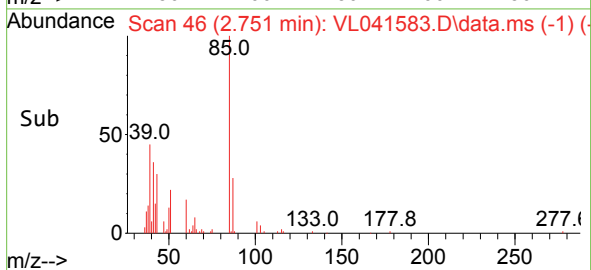
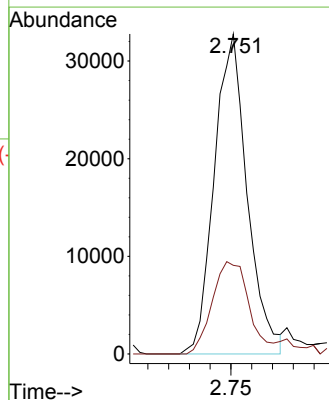
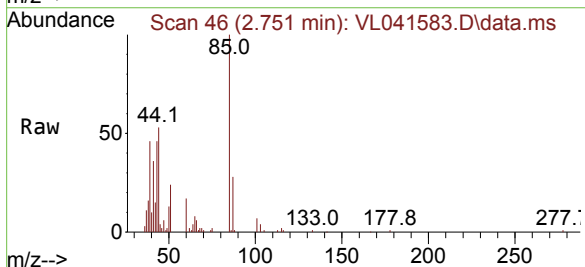
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

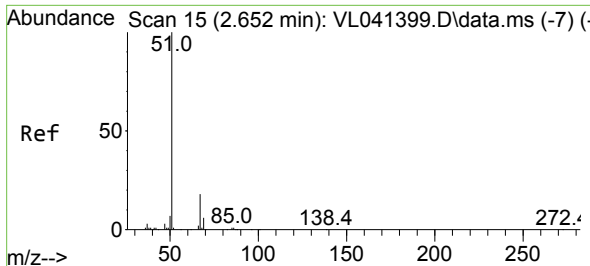
Tgt Ion: 49 Resp: 965097  
Ion Ratio Lower Upper  
49 100  
128 46.1 23.8 71.4  
130 59.3 30.8 92.4



#2  
Dichlorodifluoromethane  
Concen: 0.217 ppbv  
RT: 2.751 min Scan# 46  
Delta R.T. 0.006 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 85 Resp: 36020  
Ion Ratio Lower Upper  
85 100  
87 27.7 26.0 39.0

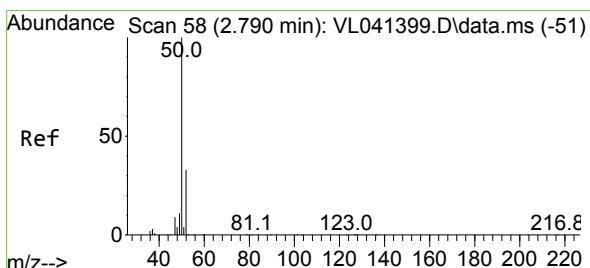
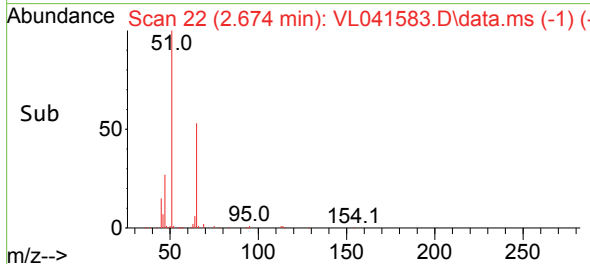
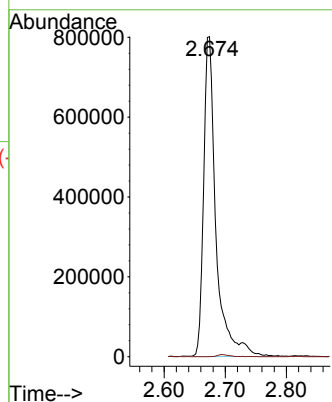
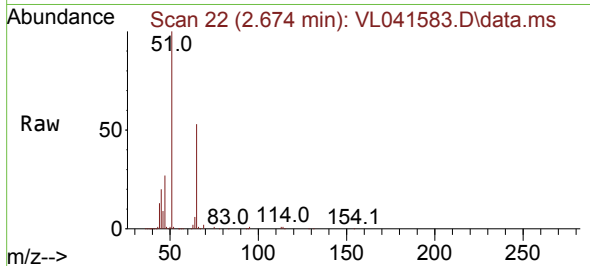




#3  
Chlorodifluoromethane  
Concen: 9.755 ppbv  
RT: 2.674 min Scan# 21  
Delta R.T. -0.016 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

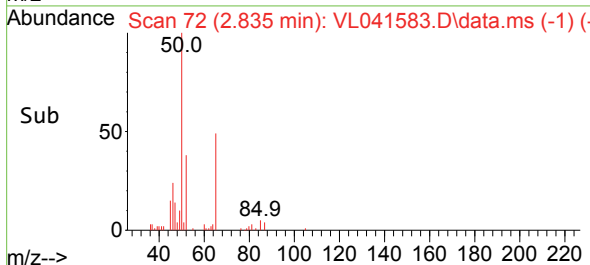
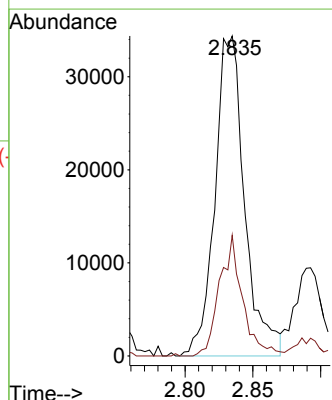
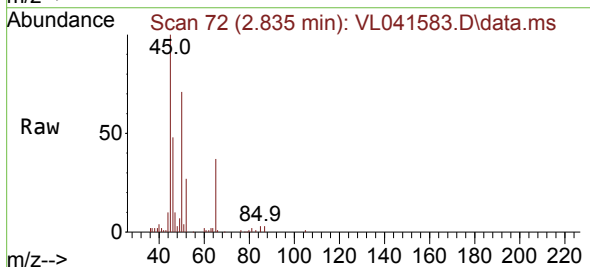
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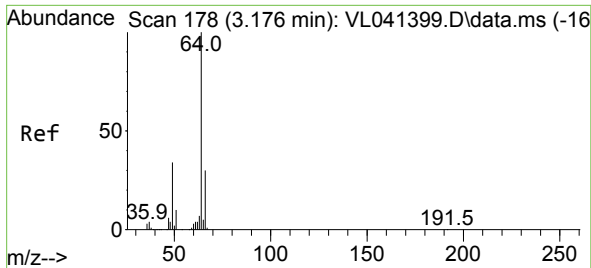
Tgt Ion: 51 Resp: 1120700  
Ion Ratio Lower Upper  
51 100  
67 0.7 14.5 21.7#



#4  
Chloromethane  
Concen: 0.857 ppbv  
RT: 2.835 min Scan# 72  
Delta R.T. 0.009 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 50 Resp: 52389  
Ion Ratio Lower Upper  
50 100  
52 37.7 26.1 39.1

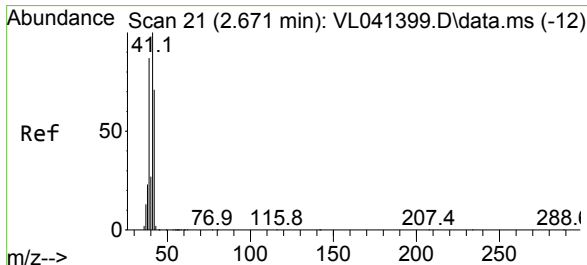
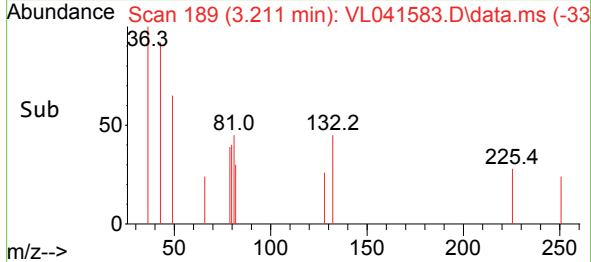
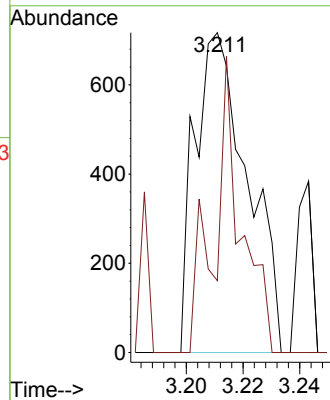
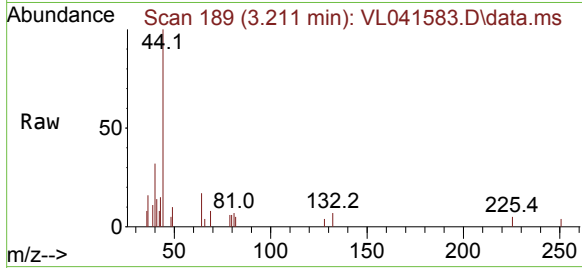




#7  
Chloroethane  
Concen: 0.045 ppbv  
RT: 3.211 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

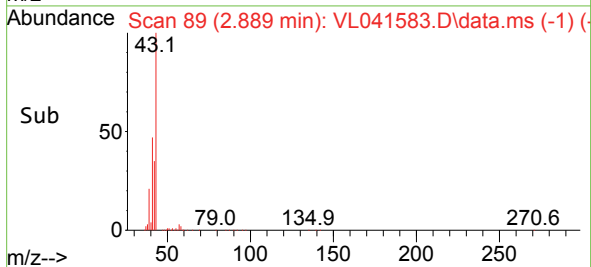
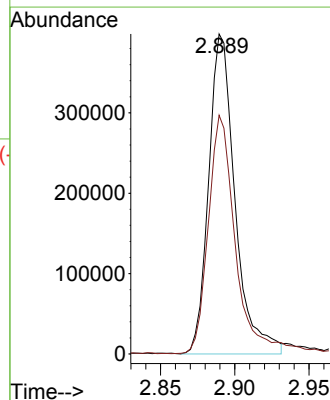
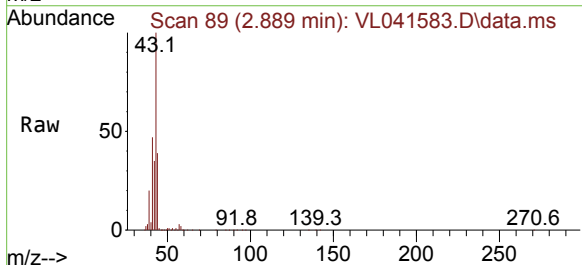
Instrument :  
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ClientSampleId :  
CD131DUP

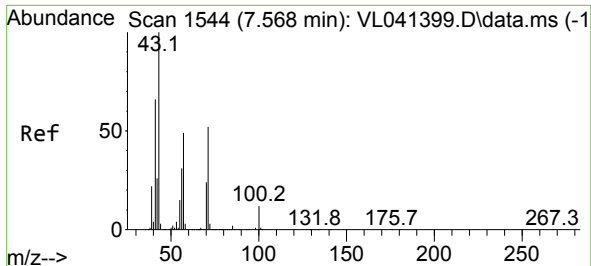
Tgt Ion: 64 Resp: 928  
Ion Ratio Lower Upper  
64 100  
66 22.5 24.2 36.2#



#9  
Propene  
Concen: 9.328 ppbv  
RT: 2.889 min Scan# 89  
Delta R.T. 0.180 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 41 Resp: 492326  
Ion Ratio Lower Upper  
41 100  
42 79.0 55.9 83.9

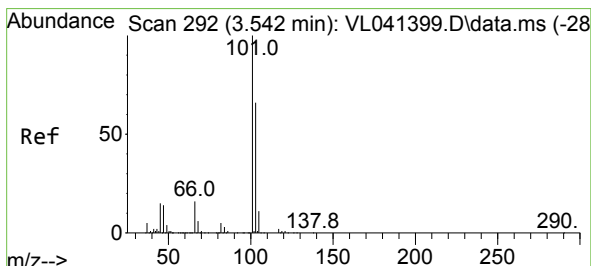
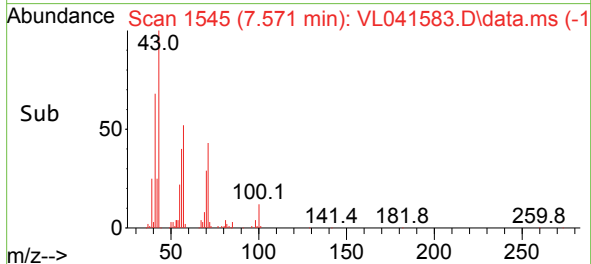
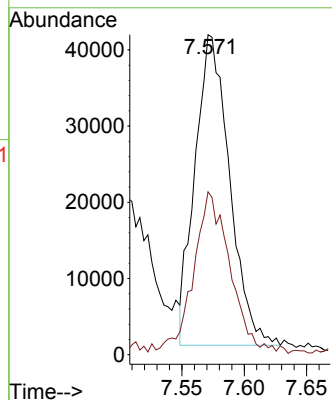
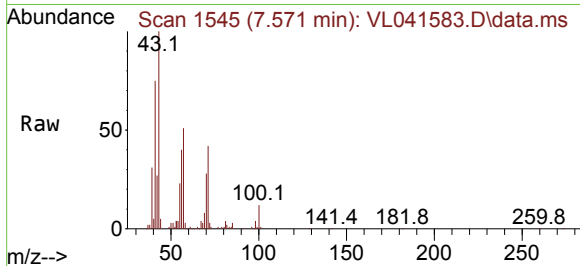




#10  
Heptane  
Concen: 0.662 ppbv  
RT: 7.571 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

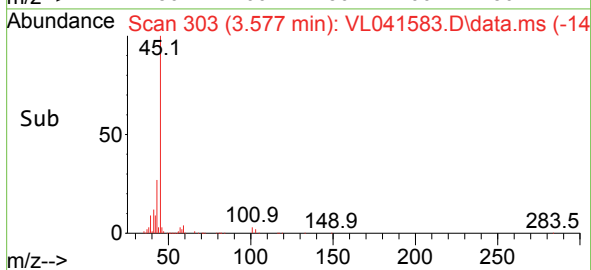
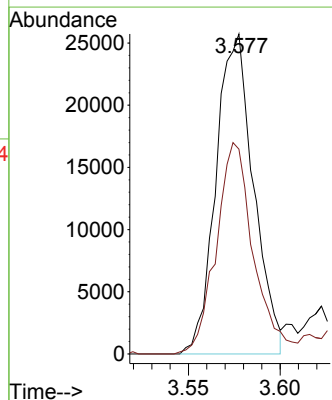
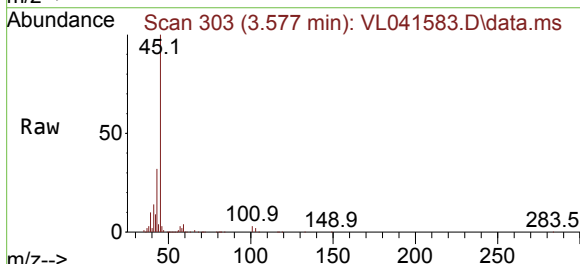
Instrument :  
MSVOA\_L  
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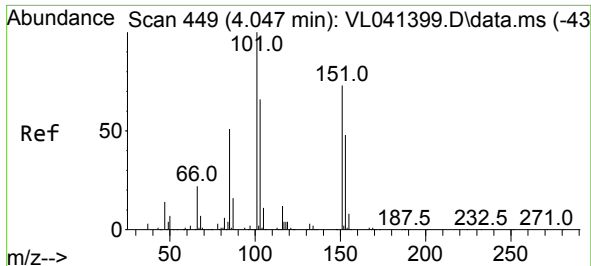
Tgt Ion: 43 Resp: 78475  
Ion Ratio Lower Upper  
43 100  
57 0.0 40.5 60.7#



#11  
Trichlorofluoromethane  
Concen: 0.248 ppbv  
RT: 3.577 min Scan# 303  
Delta R.T. 0.006 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 101 Resp: 36616  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.072 ppbv

RT: 4.076 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

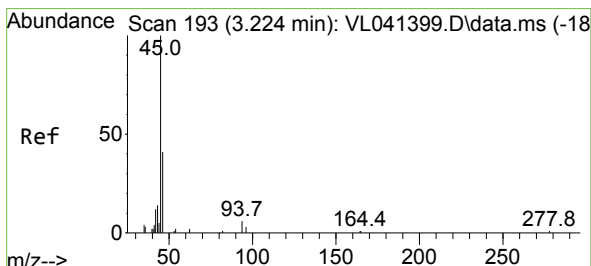
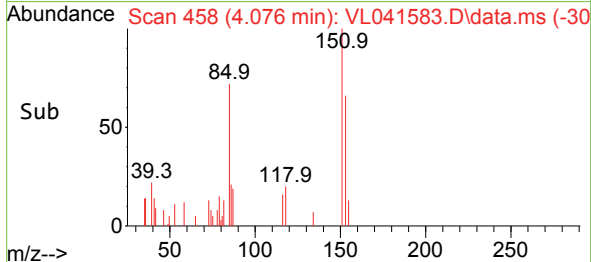
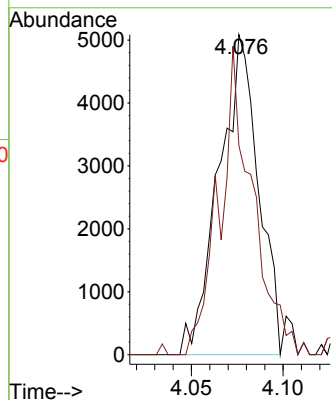
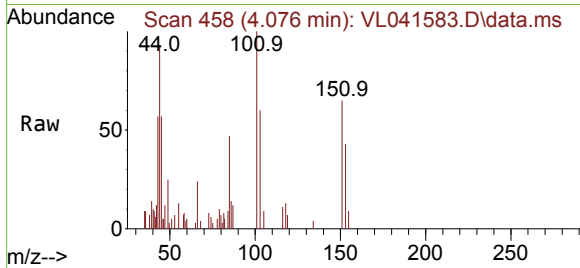
CD131DUP

Tgt Ion:101 Resp: 7605

Ion Ratio Lower Upper

101 100

151 81.1 59.4 89.2



#13

Ethanol

Concen: 729.008 ppbv

RT: 3.253 min Scan# 202

Delta R.T. -0.010 min

Lab File: VL041583.D

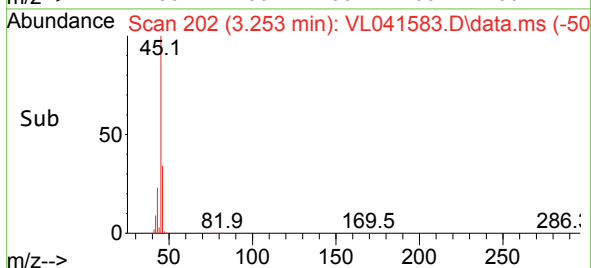
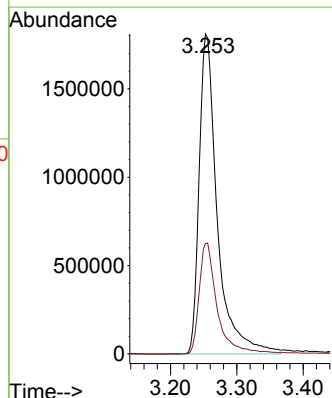
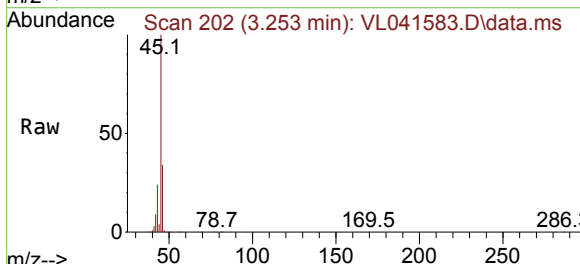
Acq: 22 Aug 2024 12:14

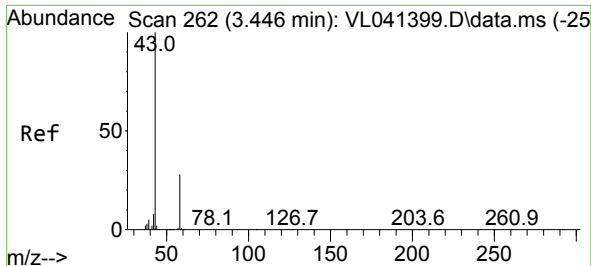
Tgt Ion: 45 Resp: 3438864

Ion Ratio Lower Upper

45 100

46 35.0 13.4 53.4





#15

Acetone

Concen: 37.781 ppbv

RT: 3.475 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

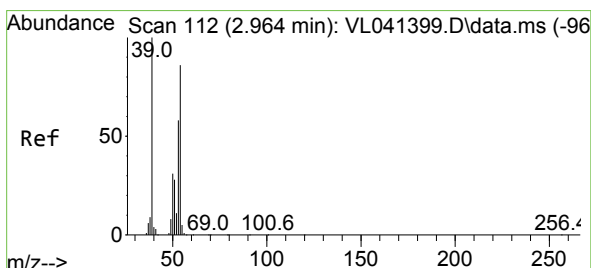
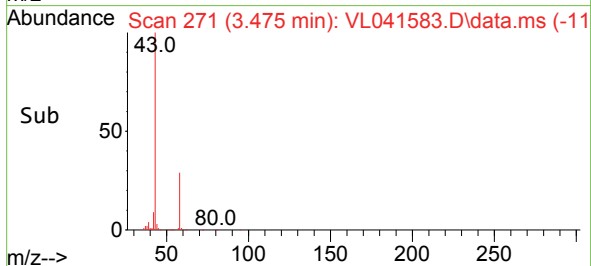
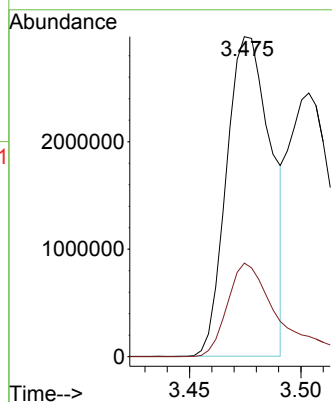
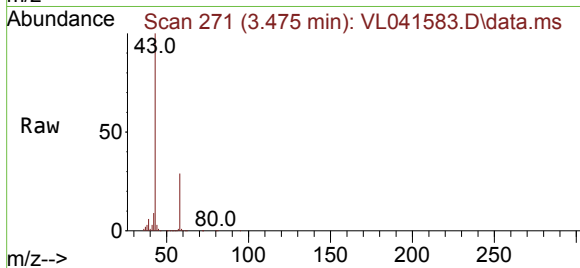
CD131DUP

Tgt Ion: 43 Resp: 4142910

Ion Ratio Lower Upper

43 100

58 35.1 21.4 32.2#



#16

1,3-Butadiene

Concen: 0.713 ppbv

RT: 2.979 min Scan# 117

Delta R.T. -0.016 min

Lab File: VL041583.D

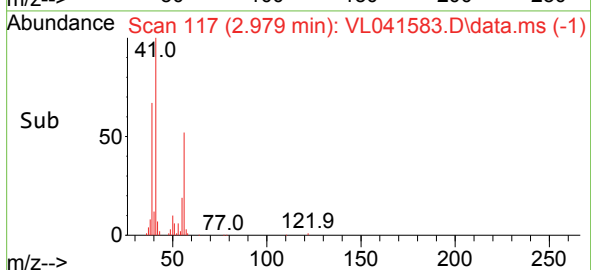
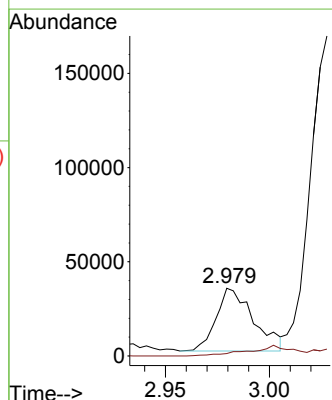
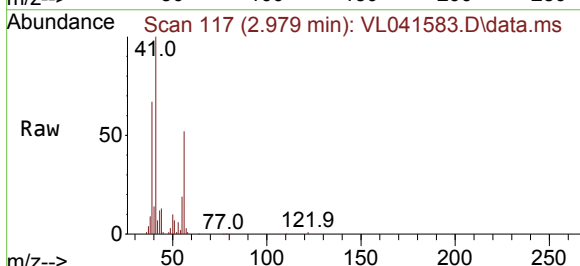
Acq: 22 Aug 2024 12:14

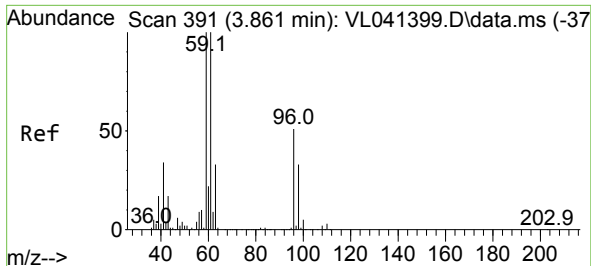
Tgt Ion: 39 Resp: 41766

Ion Ratio Lower Upper

39 100

54 30.2 62.5 93.7#

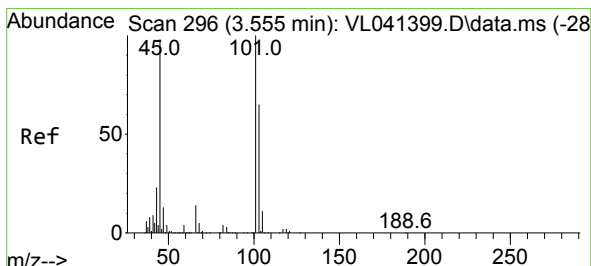
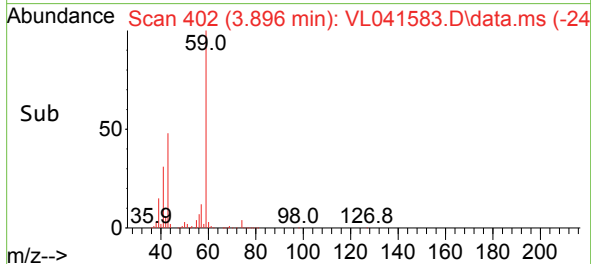
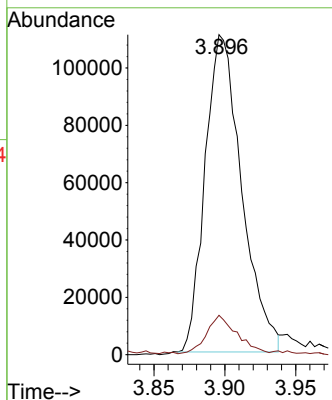
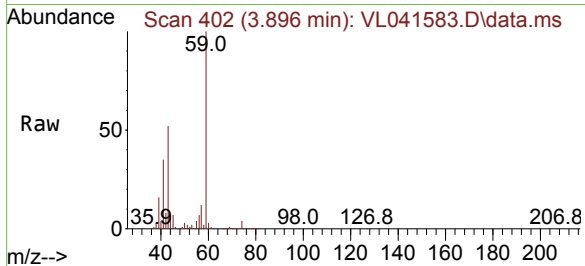




#17  
tert-Butyl alcohol  
Concen: 1.991 ppbv  
RT: 3.896 min Scan# 402  
Delta R.T. 0.013 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

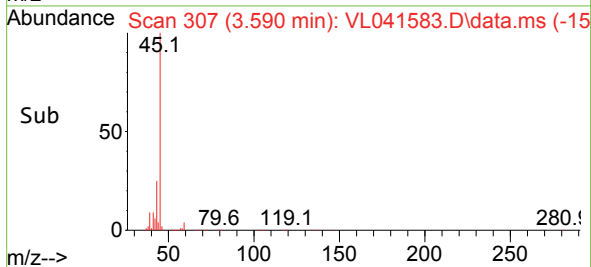
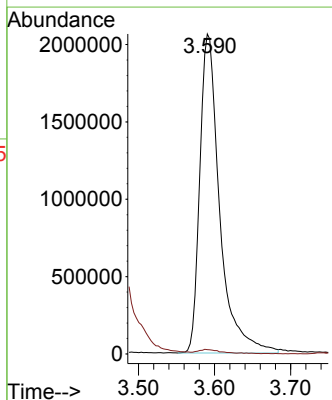
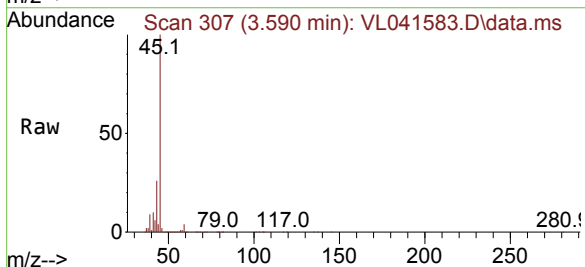
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

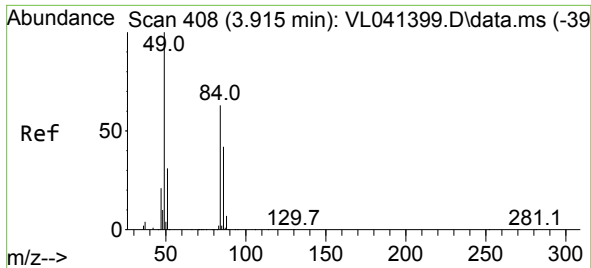
Tgt Ion: 59 Resp: 199157  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#19  
Isopropyl Alcohol  
Concen: 58.433 ppbv  
RT: 3.590 min Scan# 307  
Delta R.T. 0.006 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 45 Resp: 3745943  
Ion Ratio Lower Upper  
45 100  
58 1.8 1.9 2.9#

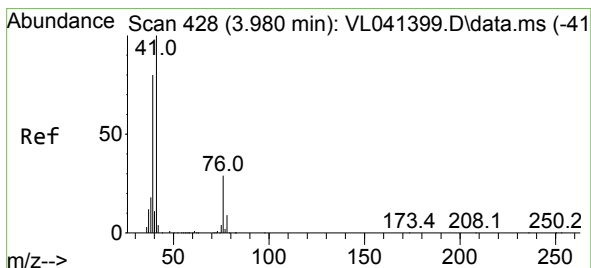
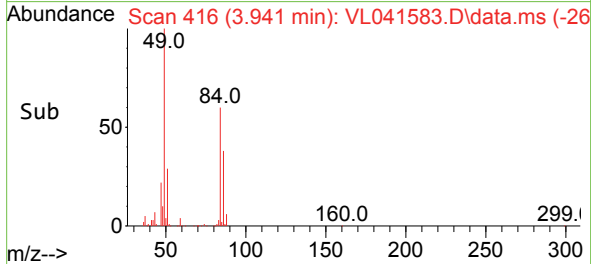
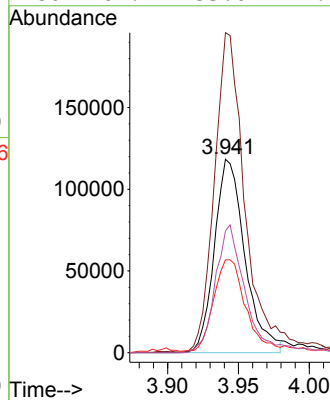
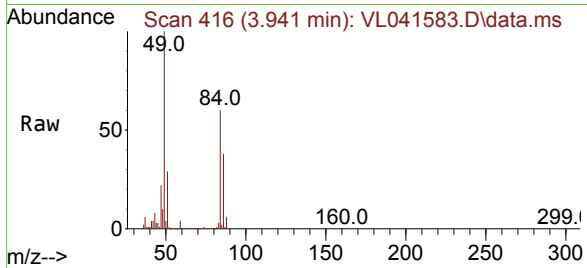




#20  
Methylene Chloride  
Concen: 4.348 ppbv  
RT: 3.941 min Scan# 416  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

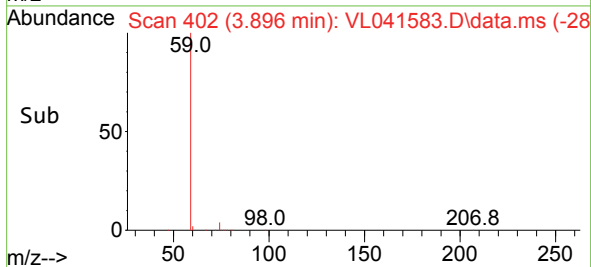
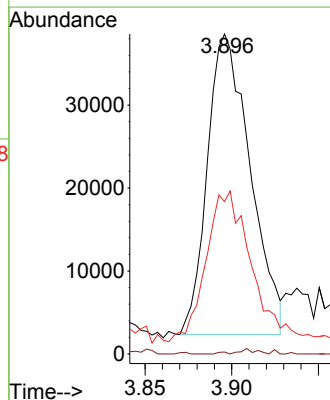
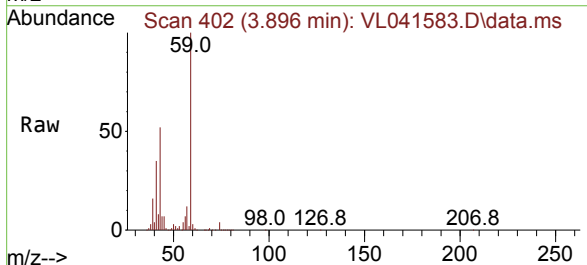
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

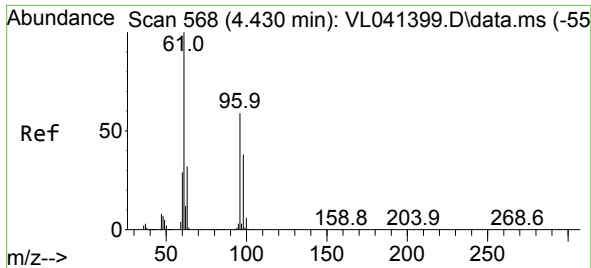
Tgt Ion: 84 Resp: 177778  
Ion Ratio Lower Upper  
84 100  
49 163.9 126.6 190.0  
51 47.2 38.6 58.0  
86 62.9 53.0 79.4



#21  
Allyl Chloride  
Concen: 0.867 ppbv  
RT: 3.896 min Scan# 402  
Delta R.T. -0.106 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 41 Resp: 62363  
Ion Ratio Lower Upper  
41 100  
76 0.0 23.7 35.5#  
39 52.1 64.3 96.5#

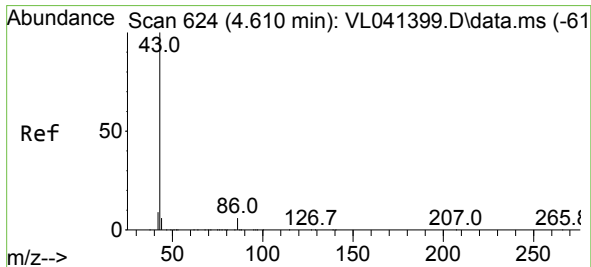
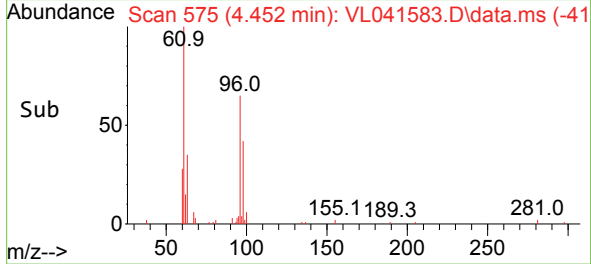
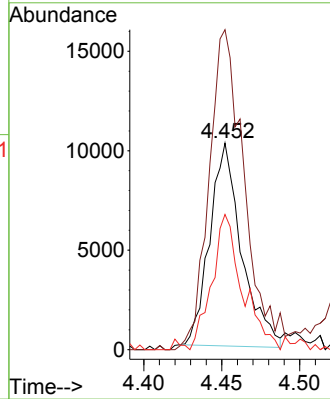
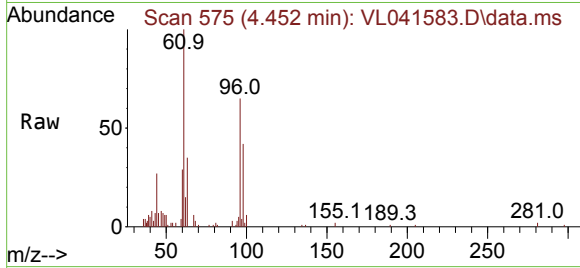




#22  
trans-1,2-Dichloroethene  
Concen: 0.320 ppbv  
RT: 4.452 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

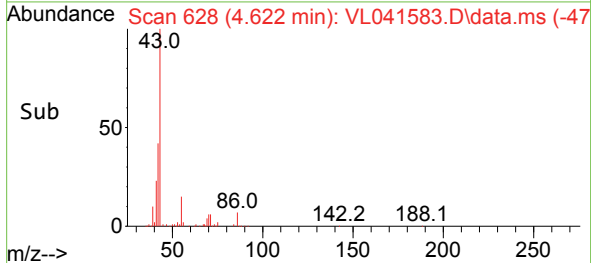
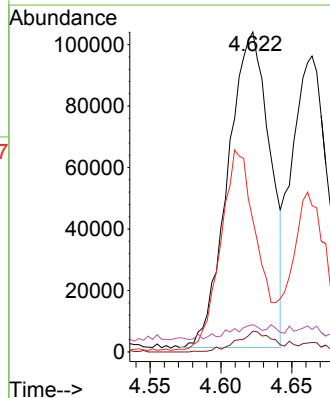
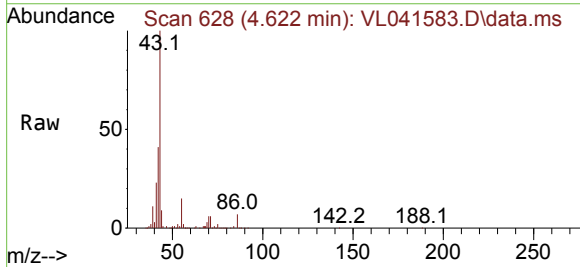
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

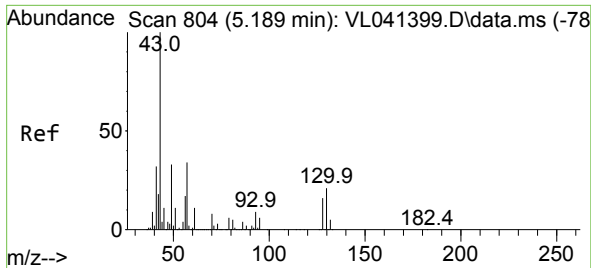
Tgt Ion: 96 Resp: 14511  
Ion Ratio Lower Upper  
96 100  
61 156.8 135.4 203.2  
98 67.1 51.0 76.4



#23  
Vinyl Acetate  
Concen: 2.530 ppbv  
RT: 4.622 min Scan# 628  
Delta R.T. -0.007 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 43 Resp: 211892  
Ion Ratio Lower Upper  
43 100  
86 6.6 4.6 6.8  
42 40.9 7.9 11.9#  
44 5.5 4.2 6.4

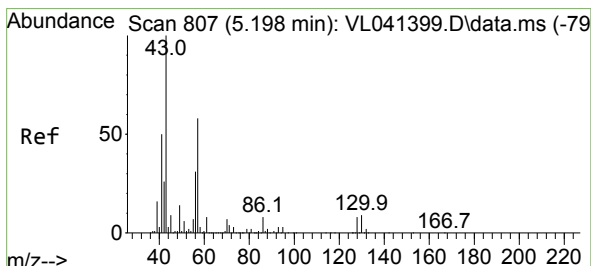
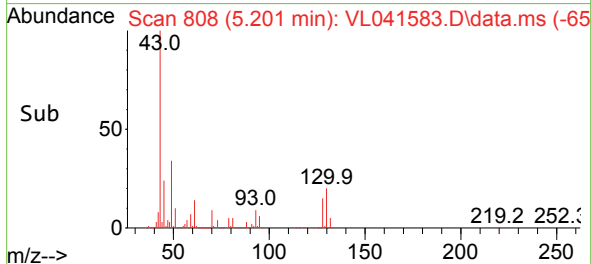
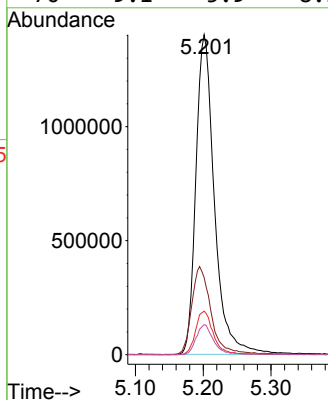
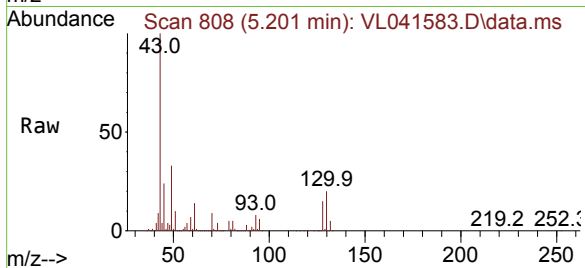




#25  
Ethyl Acetate  
Concen: 12.216 ppbv  
RT: 5.201 min Scan# 804  
Delta R.T. -0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

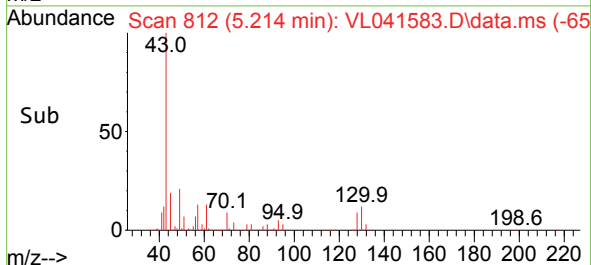
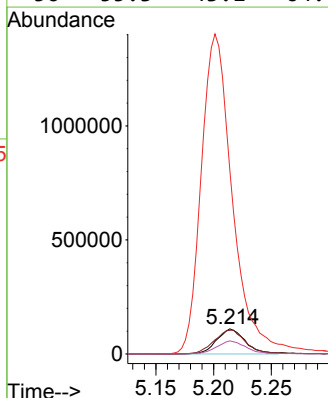
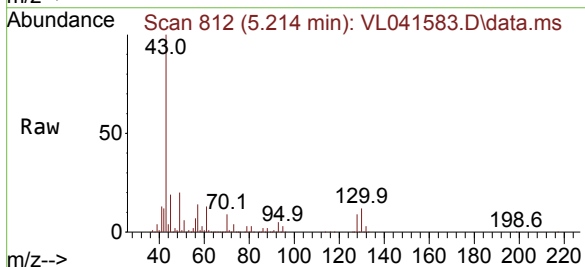
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

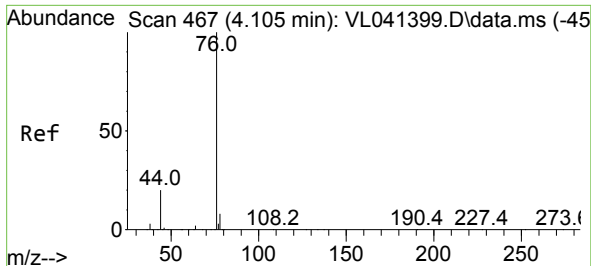
Tgt Ion: 43 Resp: 2661281  
Ion Ratio Lower Upper  
43 100  
45 29.5 8.5 12.7#  
61 13.4 8.0 12.0#  
70 9.1 5.9 8.9#



#26  
Hexane  
Concen: 2.075 ppbv  
RT: 5.214 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 57 Resp: 187510  
Ion Ratio Lower Upper  
57 100  
41 110.0 74.0 111.0  
43 1431.6 193.6 290.4#  
56 55.3 43.1 64.7





#27

Carbon Disulfide

Concen: 0.694 ppbv

RT: 4.134 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CD131DUP

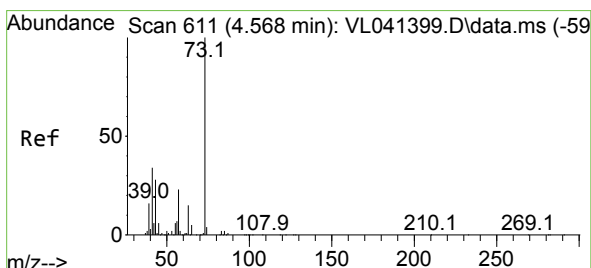
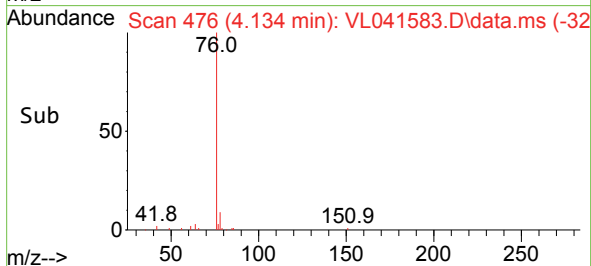
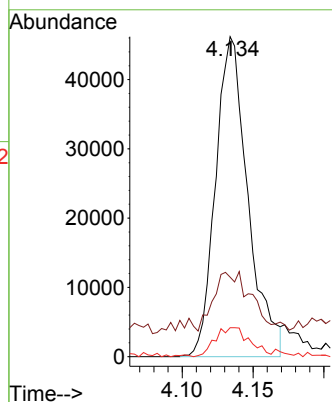
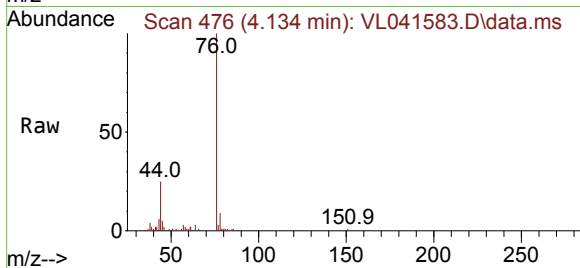
Tgt Ion: 76 Resp: 73367

Ion Ratio Lower Upper

76 100

44 22.5 15.6 23.4

78 11.8 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.161 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.009 min

Lab File: VL041583.D

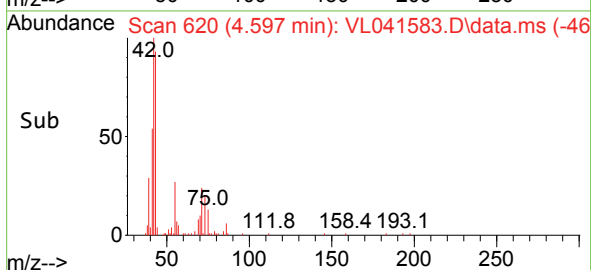
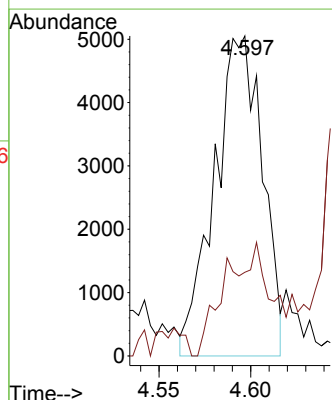
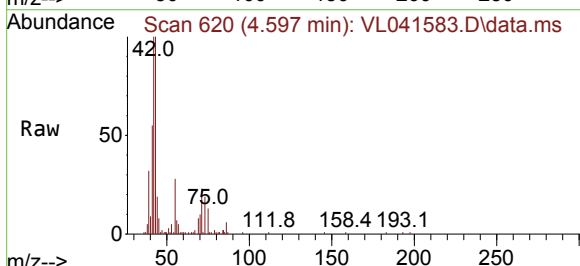
Acq: 22 Aug 2024 12:14

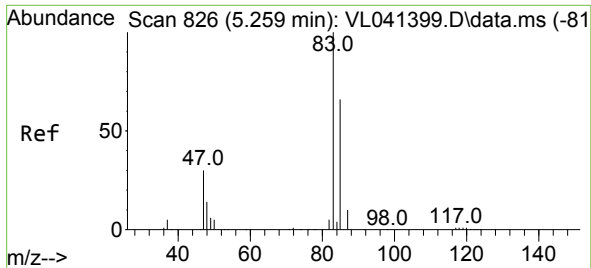
Tgt Ion: 73 Resp: 9199

Ion Ratio Lower Upper

73 100

57 33.4 18.9 28.3#





#29

Chloroform

Concen: 0.472 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

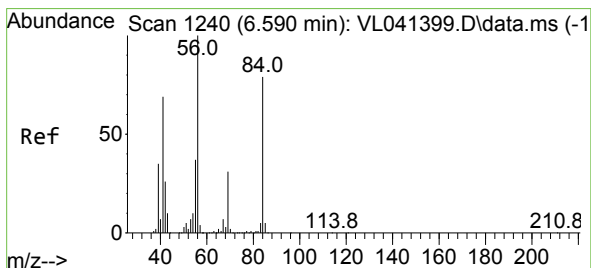
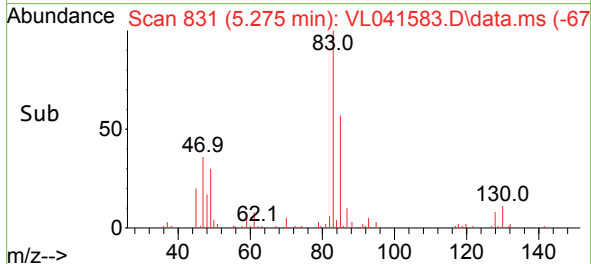
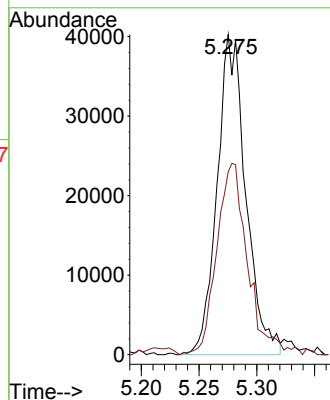
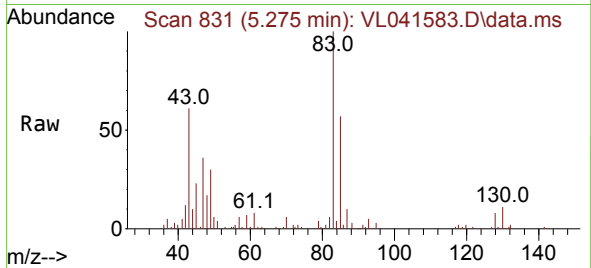
CD131DUP

Tgt Ion: 83 Resp: 69511

Ion Ratio Lower Upper

83 100

85 57.1 53.1 79.7



#30

Cyclohexane

Concen: 0.870 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

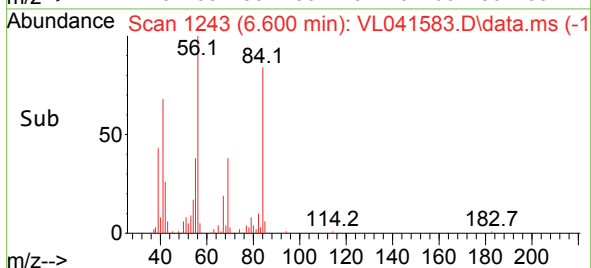
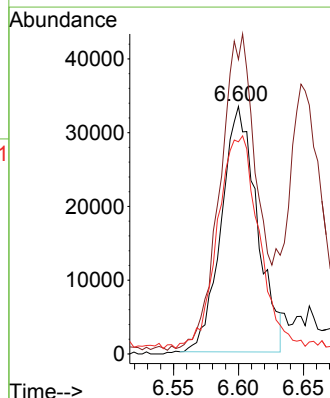
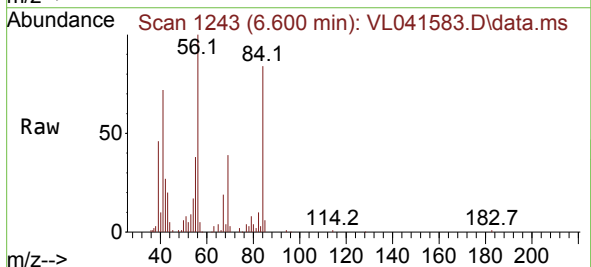
Tgt Ion: 84 Resp: 64026

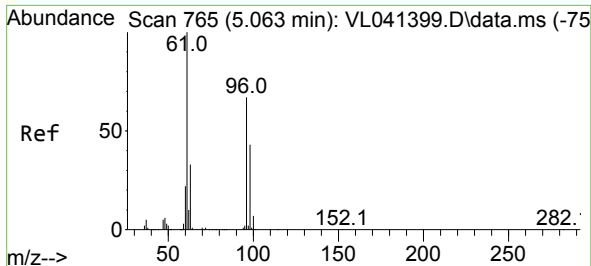
Ion Ratio Lower Upper

84 100

56 140.0 111.2 166.8

41 98.2 70.3 105.5

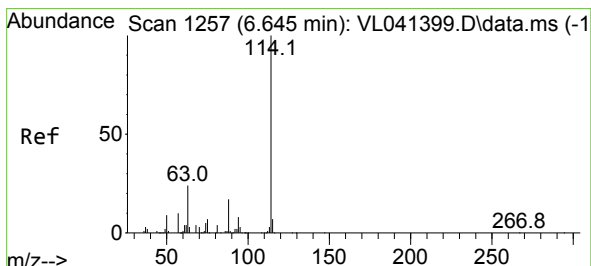
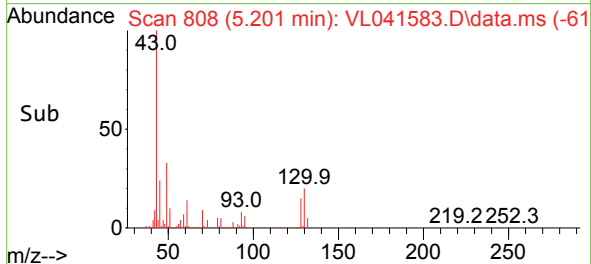
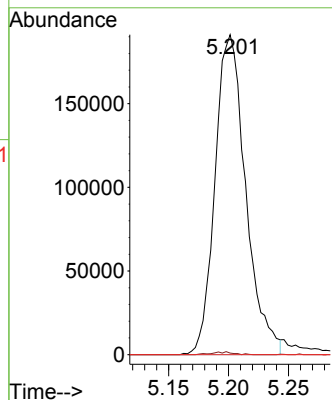
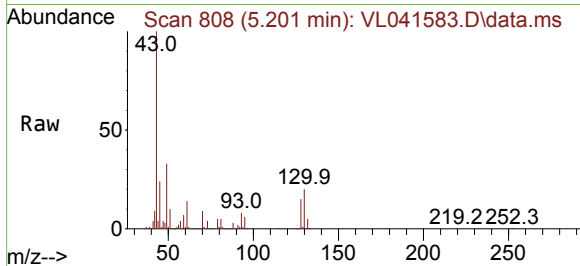




#31  
cis-1,2-Dichloroethene  
Concen: 3.809 ppbv  
RT: 5.201 min Scan# 80  
Delta R.T. 0.122 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

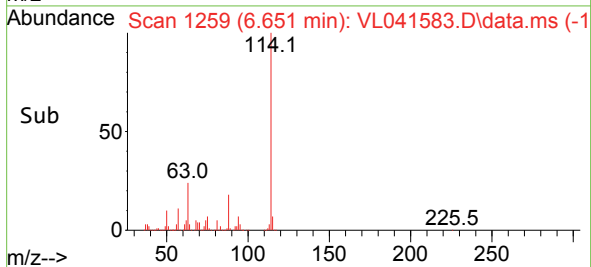
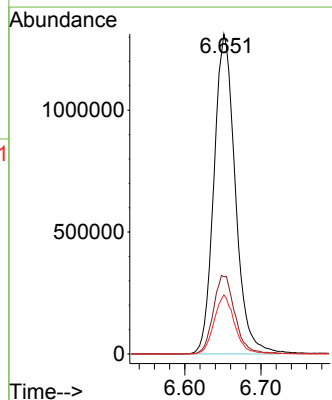
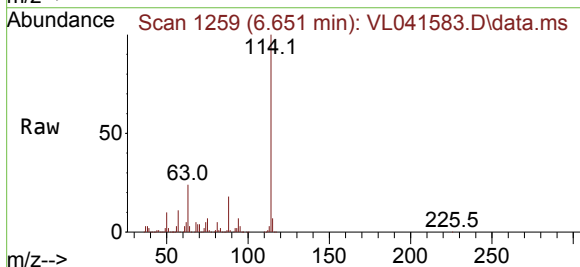
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

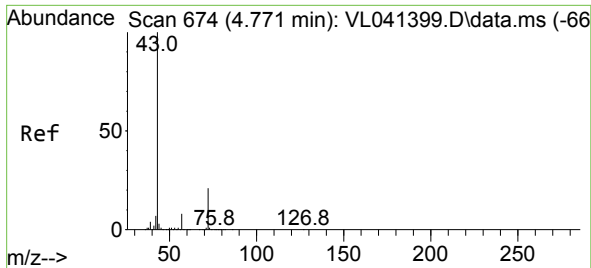
Tgt Ion: 61 Resp: 340082  
Ion Ratio Lower Upper  
61 100  
96 0.5 53.4 80.2#  
98 0.0 34.4 51.6#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.651 min Scan# 1259  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 114 Resp: 2561023  
Ion Ratio Lower Upper  
114 100  
63 25.1 20.3 30.5  
88 17.8 14.3 21.5

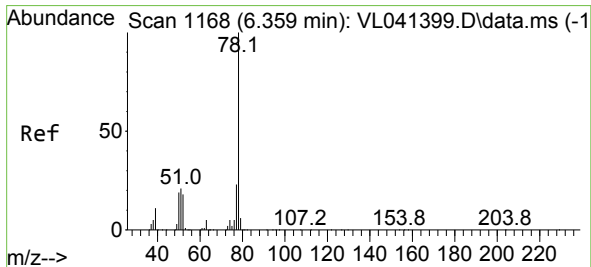
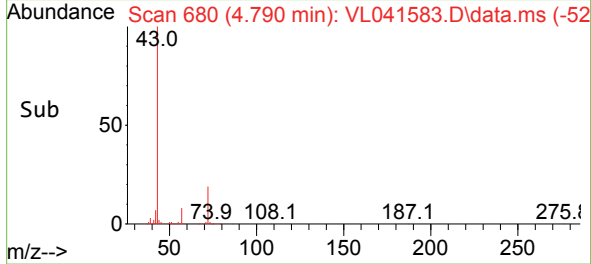
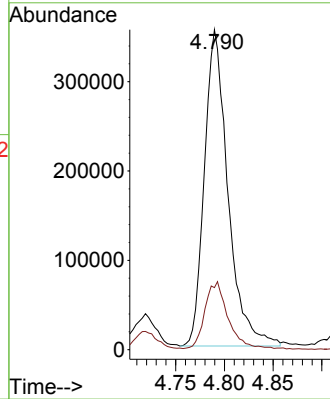
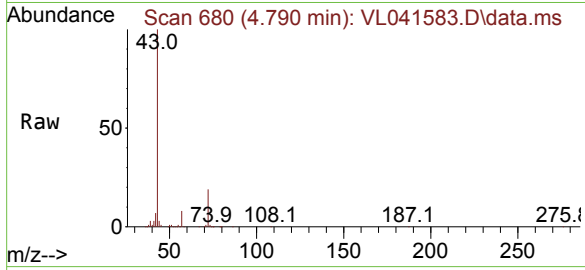




#34  
2-Butanone  
Concen: 4.812 ppbv  
RT: 4.790 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

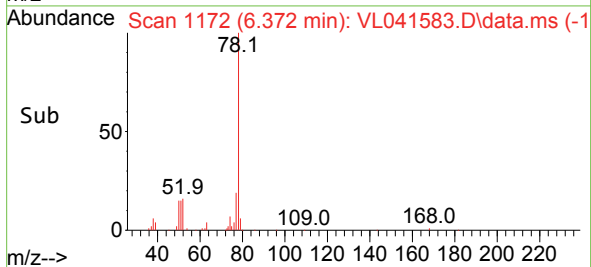
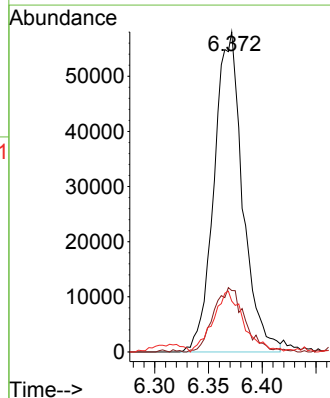
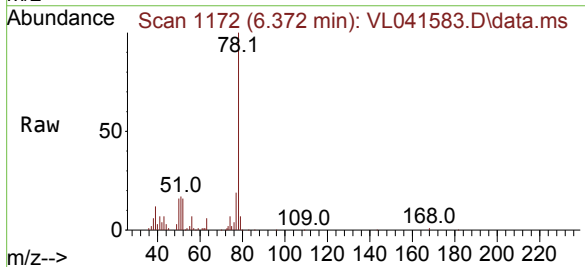
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

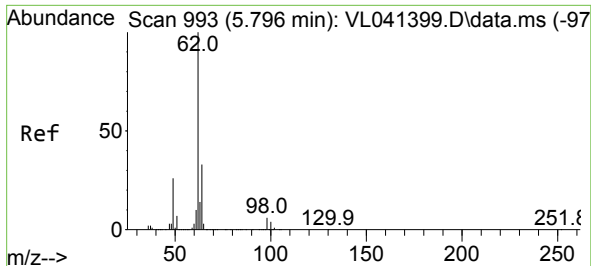
Tgt Ion: 43 Resp: 596142  
Ion Ratio Lower Upper  
43 100  
72 22.5 17.3 25.9



#36  
Benzene  
Concen: 0.572 ppbv  
RT: 6.372 min Scan# 1172  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 78 Resp: 107090  
Ion Ratio Lower Upper  
78 100  
77 18.7 18.1 27.1  
50 14.8 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 1.263 ppbv

RT: 5.809 min Scan# 993

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

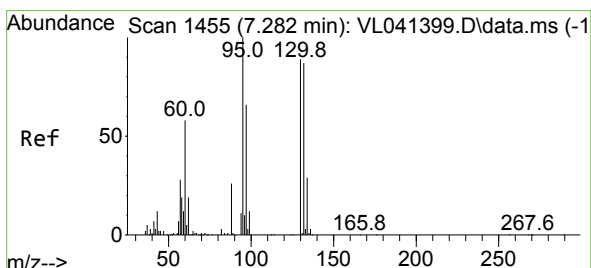
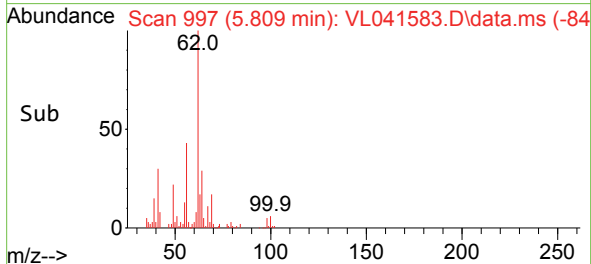
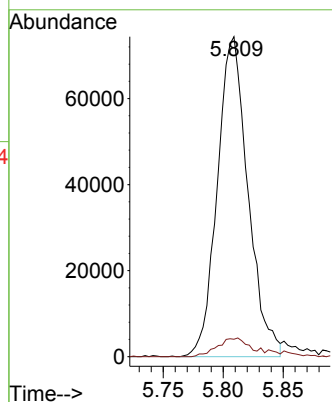
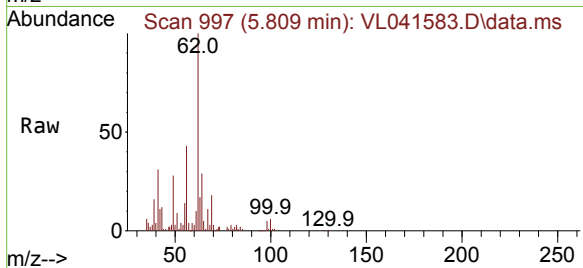
CD131DUP

Tgt Ion: 62 Resp: 132247

Ion Ratio Lower Upper

62 100

98 7.7 5.0 7.4#



#38

Trichloroethene

Concen: 0.046 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Tgt Ion:130 Resp: 3916

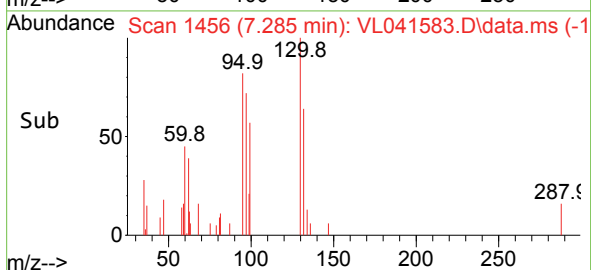
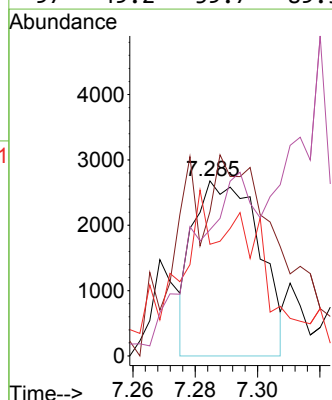
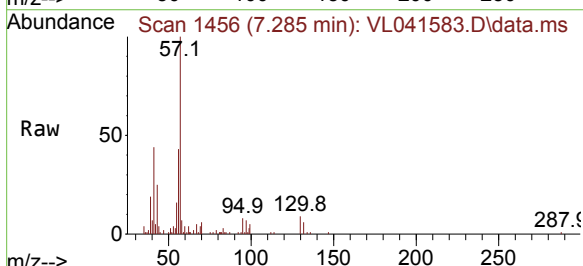
Ion Ratio Lower Upper

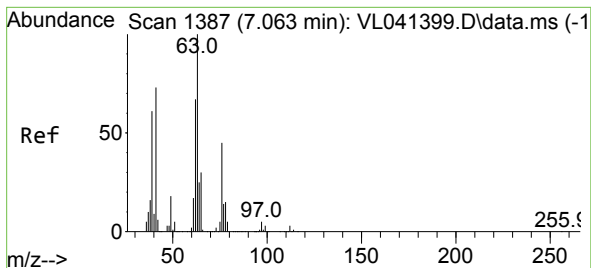
130 100

95 13.2 90.2 135.2#

132 47.4 78.1 117.1#

97 49.2 59.7 89.5#





#39

1,2-Dichloropropane

Concen: 8.793 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CD131DUP

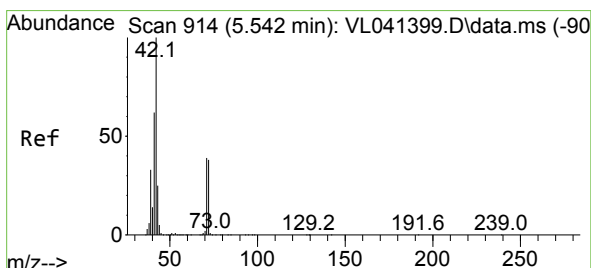
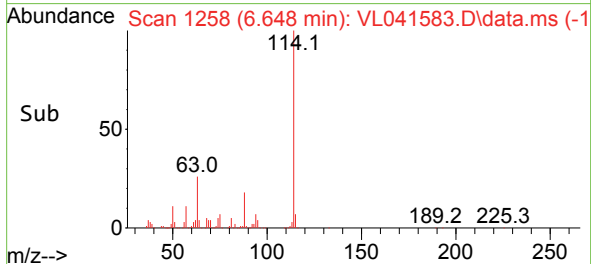
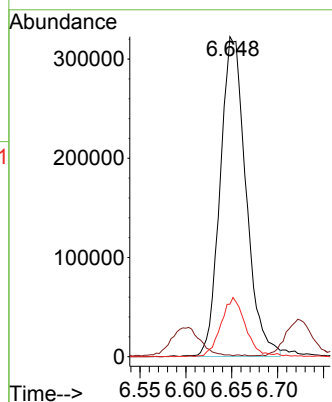
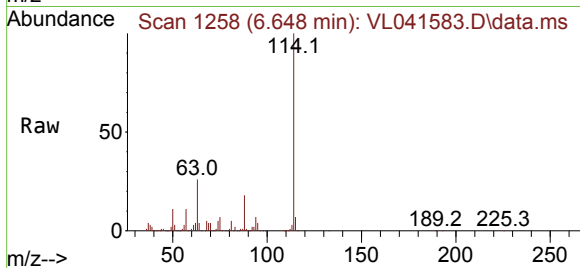
Tgt Ion: 63 Resp: 629992

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.3 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.244 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.006 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

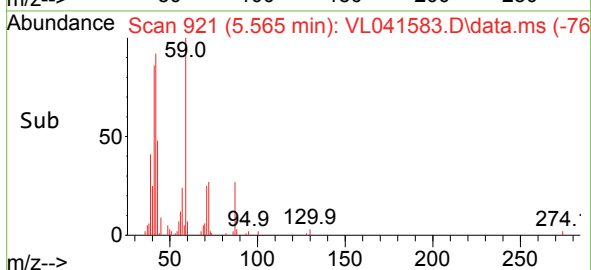
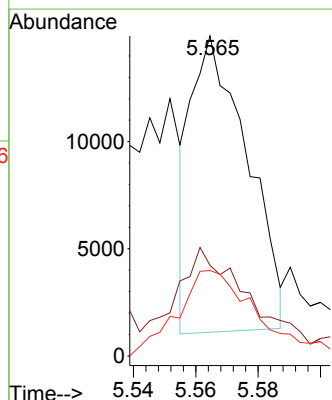
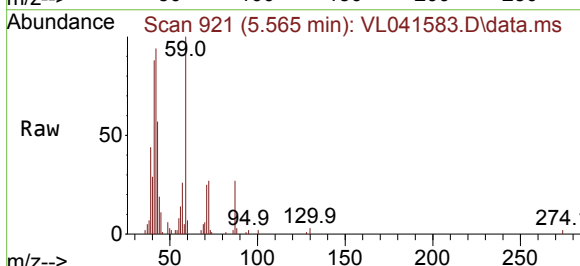
Tgt Ion: 42 Resp: 17314

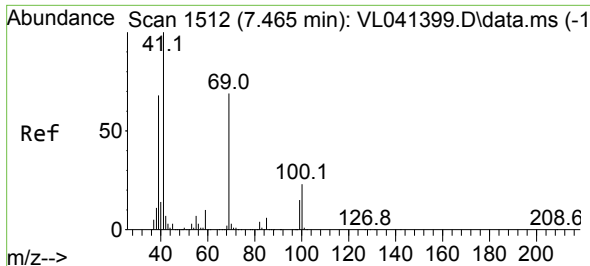
Ion Ratio Lower Upper

42 100

72 66.2 31.2 46.8#

71 42.7 30.5 45.7

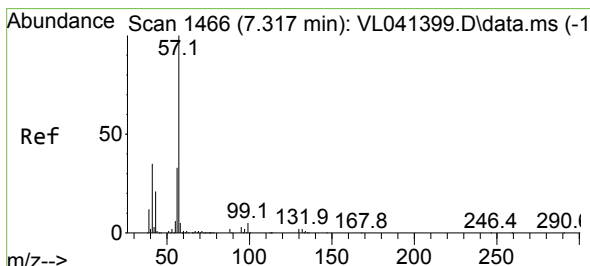
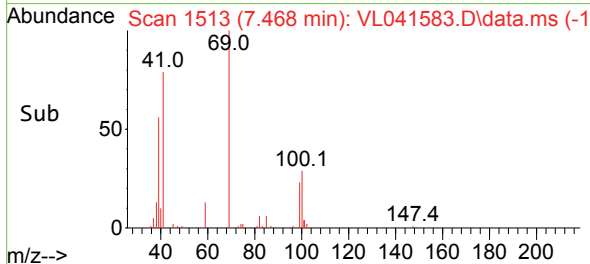
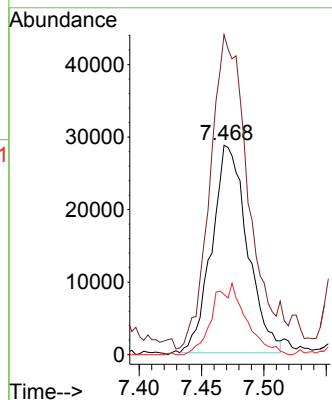
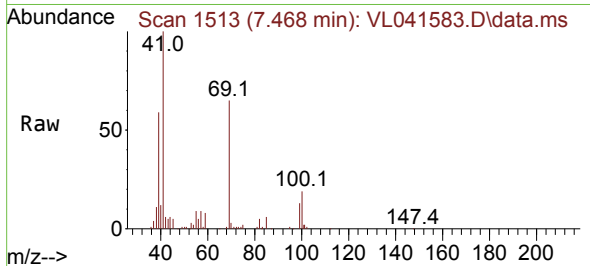




#43  
Methyl Methacrylate  
Concen: 0.847 ppbv  
RT: 7.468 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

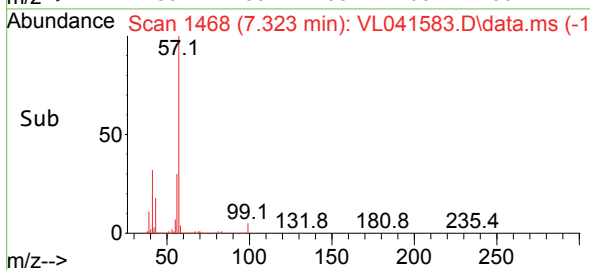
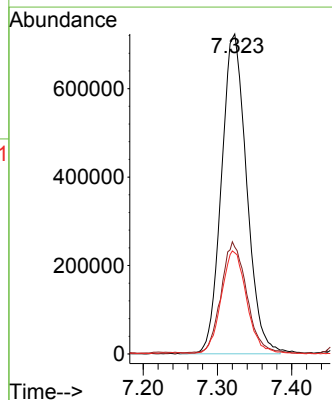
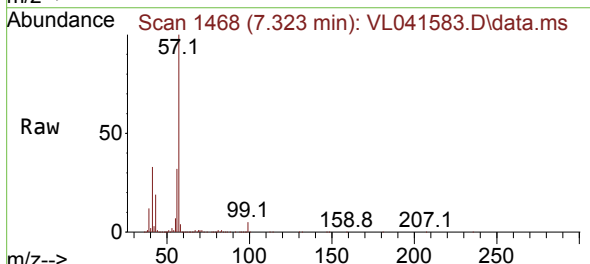
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

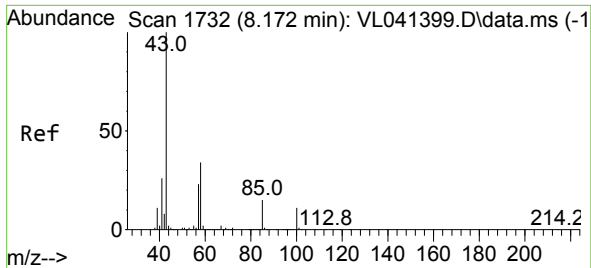
Tgt Ion: 69 Resp: 56845  
Ion Ratio Lower Upper  
69 100  
41 162.4 118.7 178.1  
100 32.8 27.0 40.4



#44  
2,2,4-Trimethylpentane  
Concen: 5.440 ppbv  
RT: 7.323 min Scan# 1468  
Delta R.T. 0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 57 Resp: 1700294  
Ion Ratio Lower Upper  
57 100  
41 35.4 27.0 40.6  
56 32.5 25.2 37.8

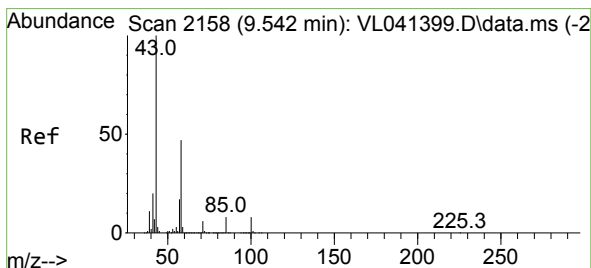
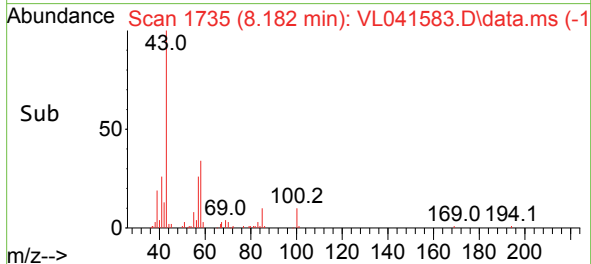
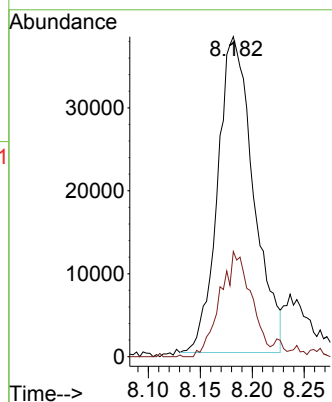
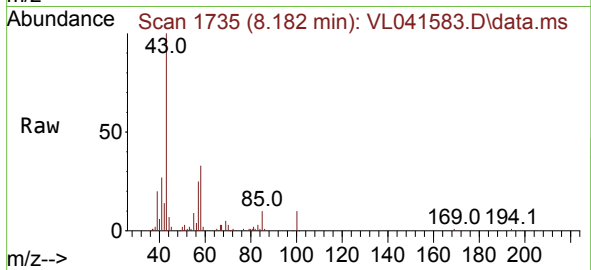




#50  
4-Methyl-2-Pentanone  
Concen: 0.468 ppbv  
RT: 8.182 min Scan# 1735  
Delta R.T. 0.009 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

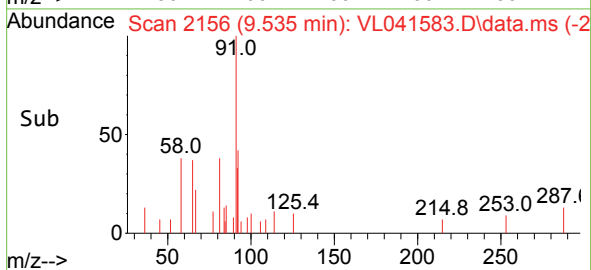
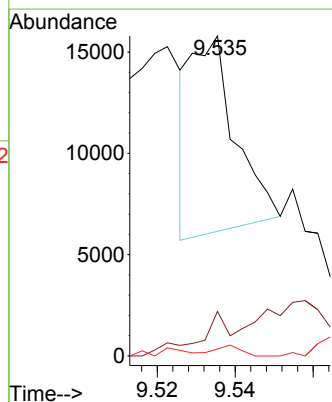
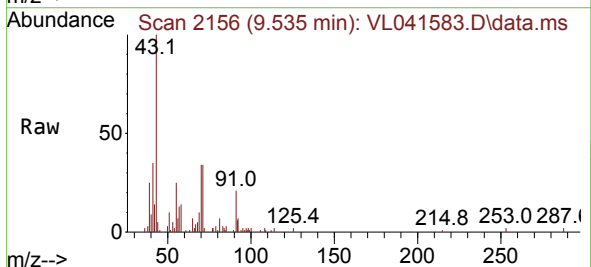
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

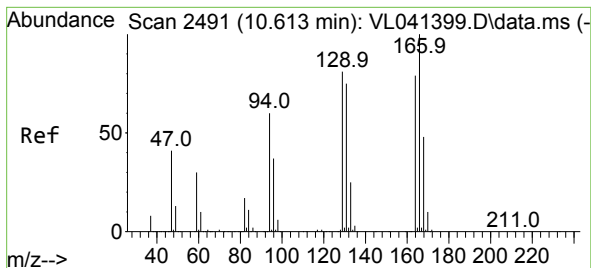
Tgt Ion: 43 Resp: 91510  
Ion Ratio Lower Upper  
43 100  
58 31.0 27.9 41.9



#51  
2-Hexanone  
Concen: 0.052 ppbv  
RT: 9.535 min Scan# 2156  
Delta R.T. -0.003 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 43 Resp: 7708  
Ion Ratio Lower Upper  
43 100  
58 0.0 38.2 57.2#  
98 7.6 0.3 0.5#





#52

Tetrachloroethene

Concen: 1.710 ppbv

RT: 10.606 min Scan# 2491

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CD131DUP

Tgt Ion:164 Resp: 123619

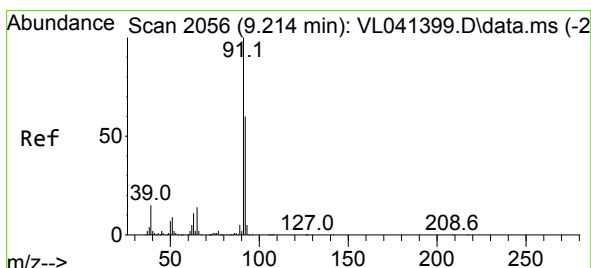
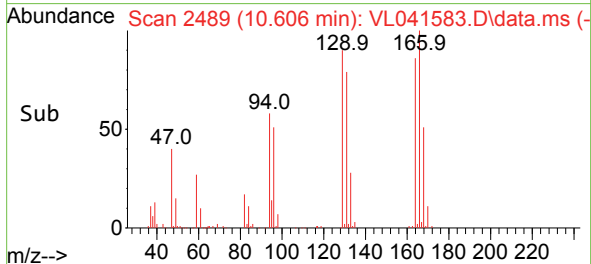
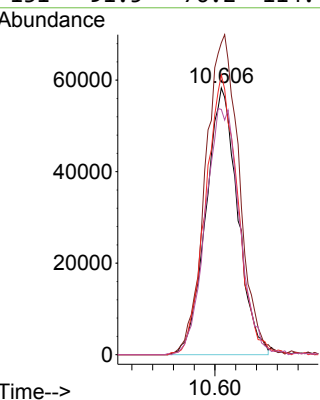
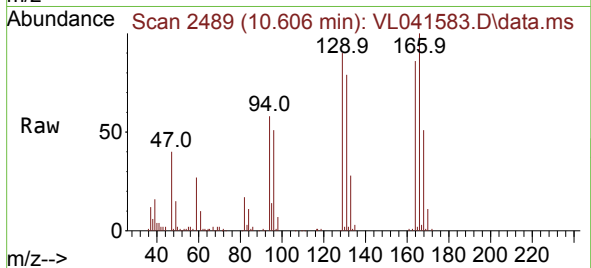
Ion Ratio Lower Upper

164 100

166 116.9 101.1 151.7

129 104.9 81.7 122.5

131 91.5 76.2 114.4



#53

Toluene

Concen: 50.613 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VL041583.D

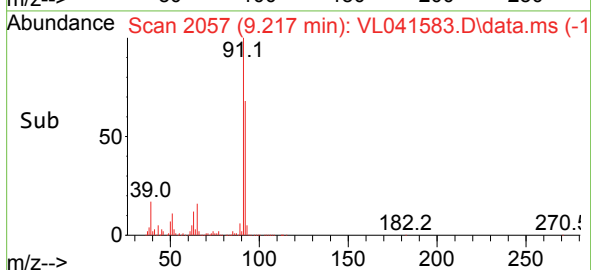
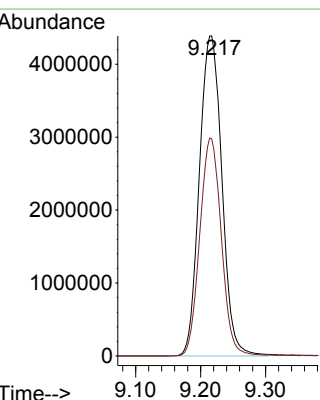
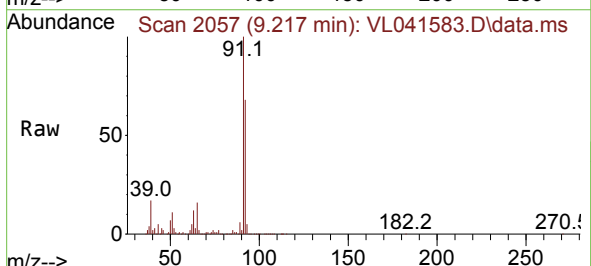
Acq: 22 Aug 2024 12:14

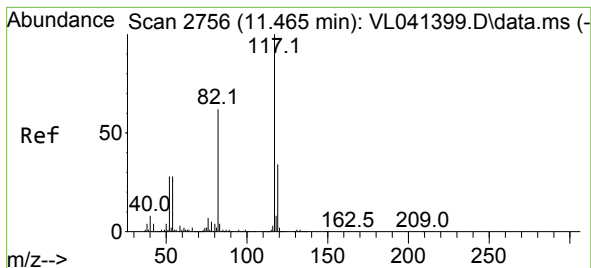
Tgt Ion: 91 Resp:10549859

Ion Ratio Lower Upper

91 100

92 65.4 48.7 73.1

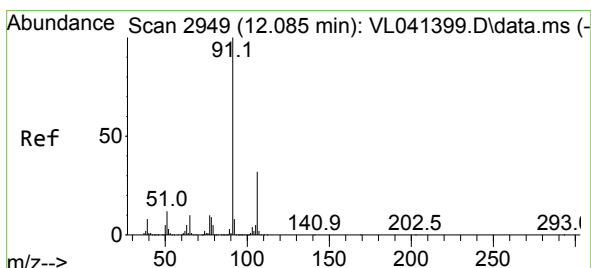
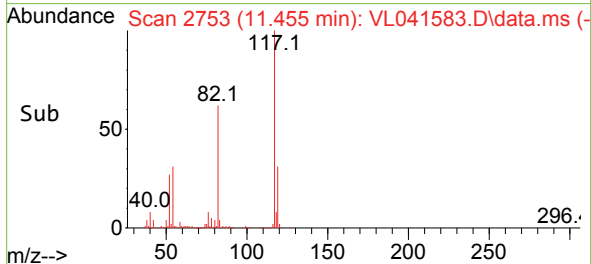
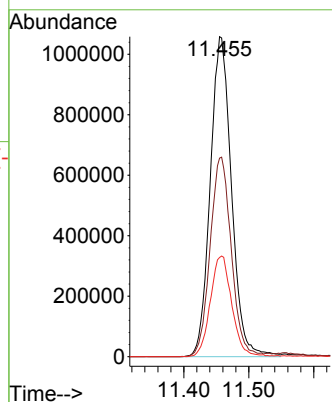
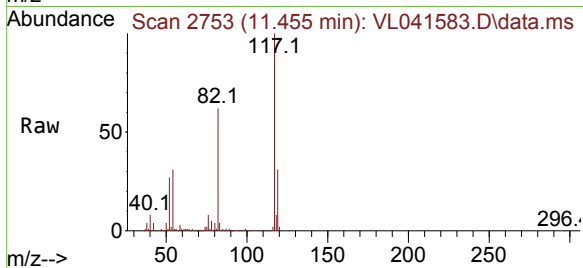




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.455 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

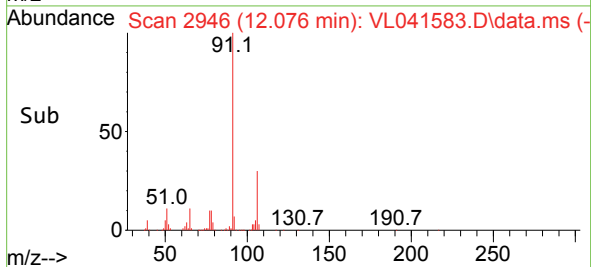
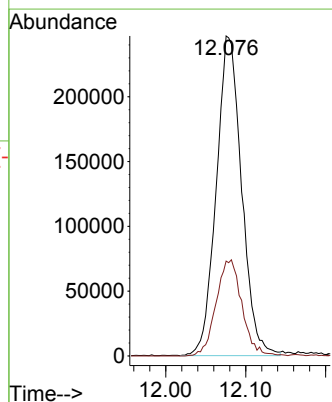
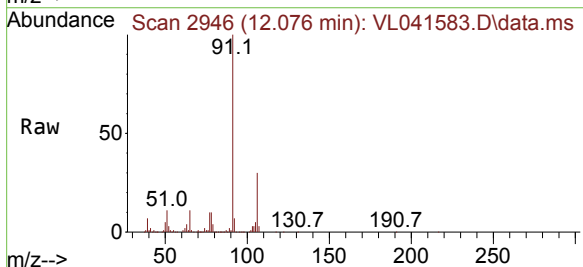
Instrument :  
MSVOA\_L  
ClientSampleId :  
CD131DUP

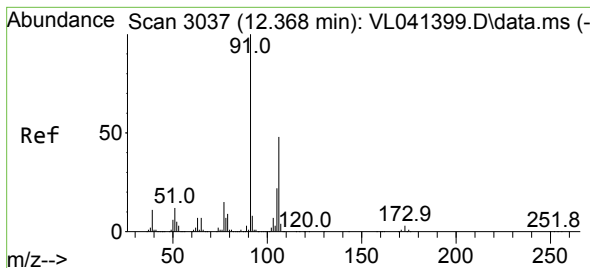
Tgt Ion:117 Resp: 2404218  
Ion Ratio Lower Upper  
117 100  
82 62.7 51.0 76.6  
119 32.0 45.2 67.8#



#58  
Ethyl Benzene  
Concen: 1.955 ppbv  
RT: 12.076 min Scan# 2946  
Delta R.T. -0.000 min  
Lab File: VL041583.D  
Acq: 22 Aug 2024 12:14

Tgt Ion: 91 Resp: 541872  
Ion Ratio Lower Upper  
91 100  
106 29.7 25.8 38.8





#59

m/p-Xylene

Concen: 3.874 ppbv

RT: 12.333 min Scan# 3037

Delta R.T. -0.026 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

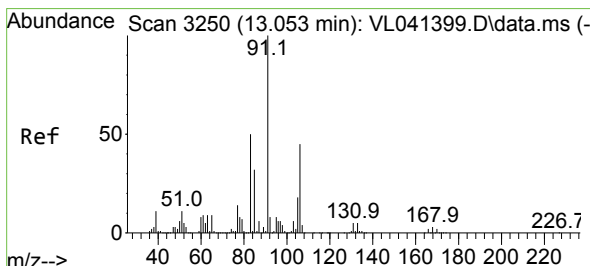
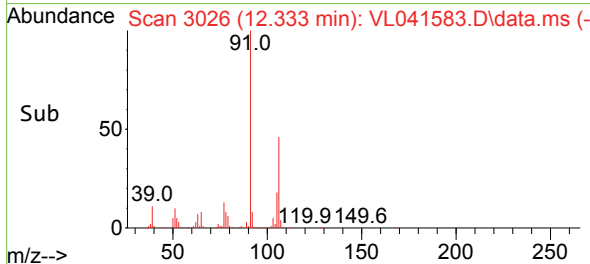
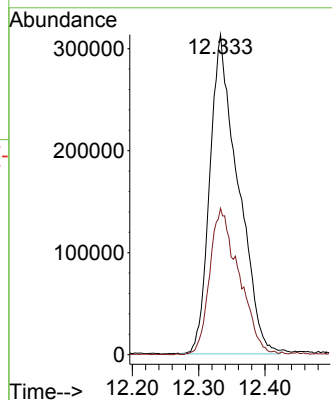
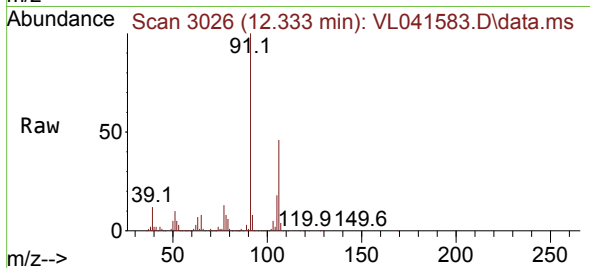
CD131DUP

Tgt Ion: 91 Resp: 926655

Ion Ratio Lower Upper

91 100

106 48.1 36.3 54.5



#60

o-Xylene

Concen: 1.632 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.000 min

Lab File: VL041583.D

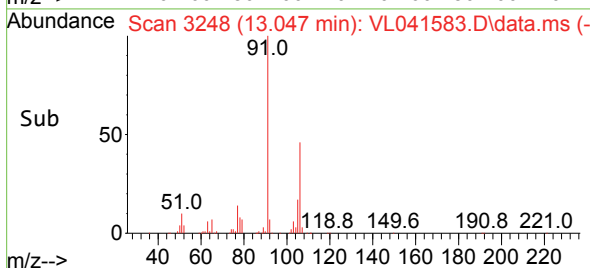
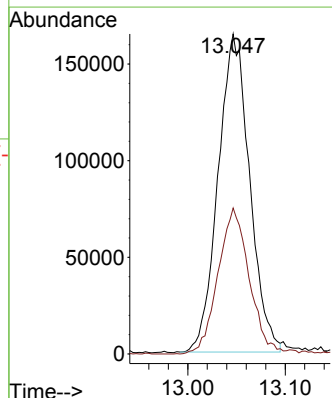
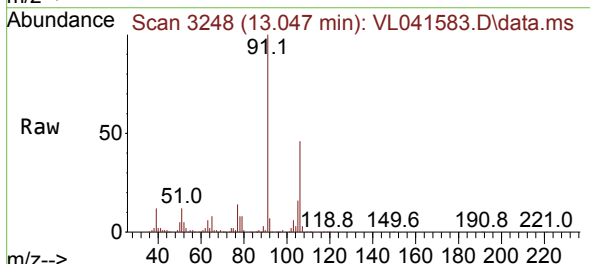
Acq: 22 Aug 2024 12:14

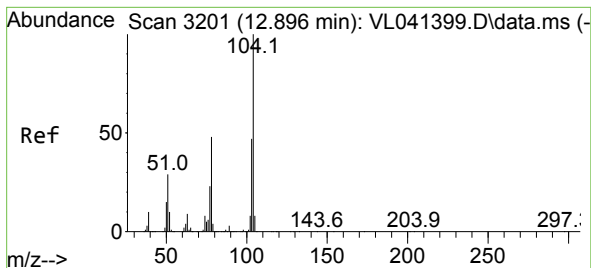
Tgt Ion: 91 Resp: 369237

Ion Ratio Lower Upper

91 100

106 46.2 23.1 69.3





#61

Styrene

Concen: 4.100 ppbv

RT: 12.883 min Scan# 3197

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CD131DUP

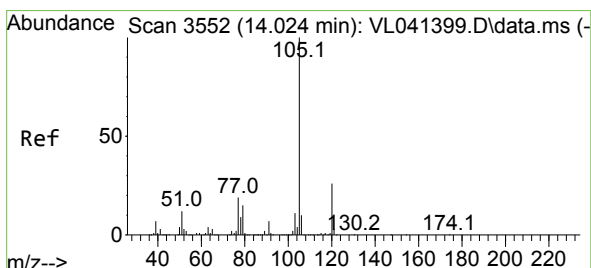
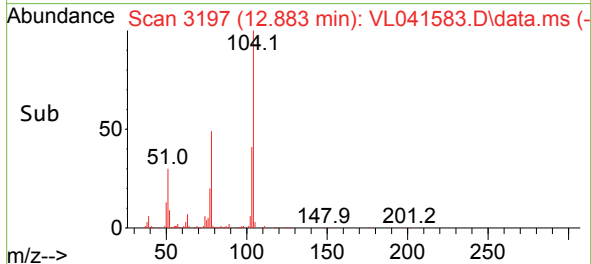
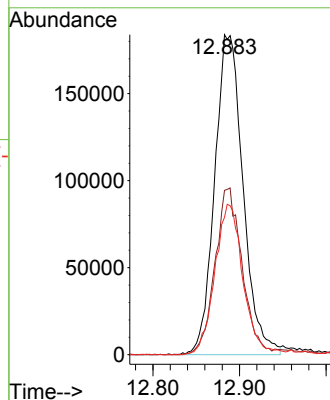
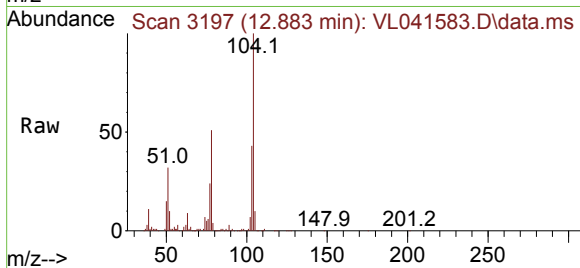
Tgt Ion:104 Resp: 418547

Ion Ratio Lower Upper

104 100

78 51.5 40.8 61.2

103 47.5 38.2 57.4



#62

Isopropylbenzene

Concen: 0.042 ppbv

RT: 14.014 min Scan# 3549

Delta R.T. -0.000 min

Lab File: VL041583.D

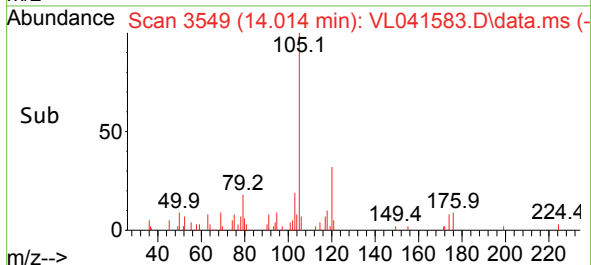
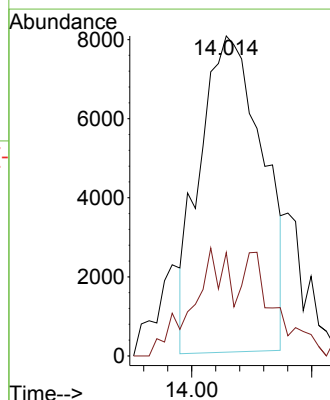
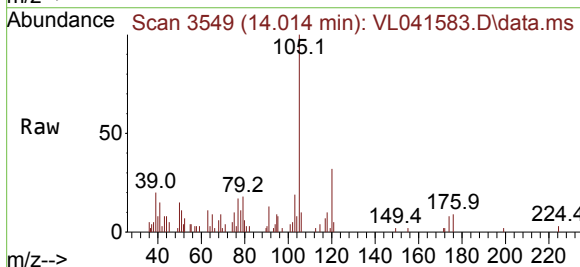
Acq: 22 Aug 2024 12:14

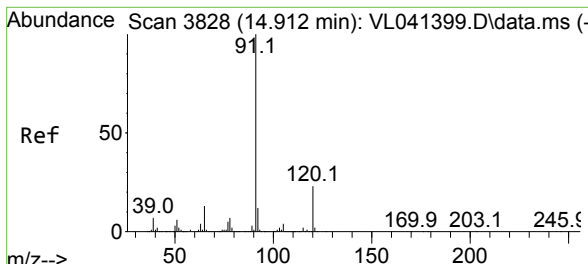
Tgt Ion:105 Resp: 14462

Ion Ratio Lower Upper

105 100

120 39.6 21.0 31.4#

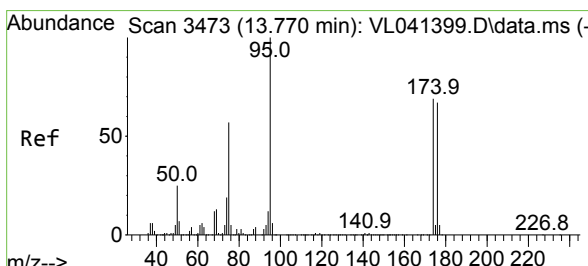
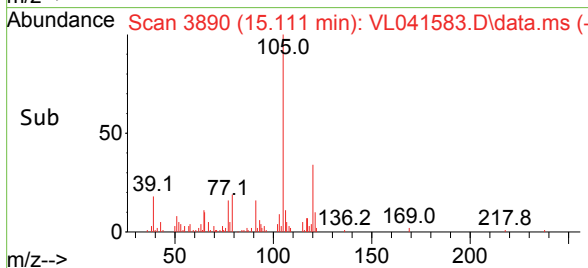
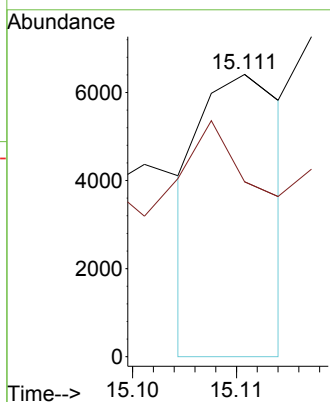
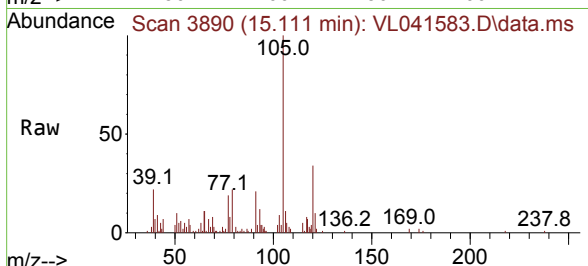




#64  
 n-propylbenzene  
 Concen: 0.039 ppbv  
 RT: 15.111 min Scan# 3890  
 Delta R.T. 0.209 min  
 Lab File: VL041583.D  
 Acq: 22 Aug 2024 12:14

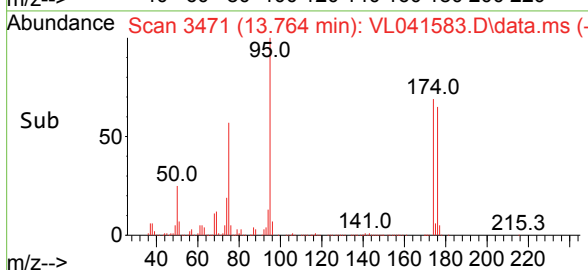
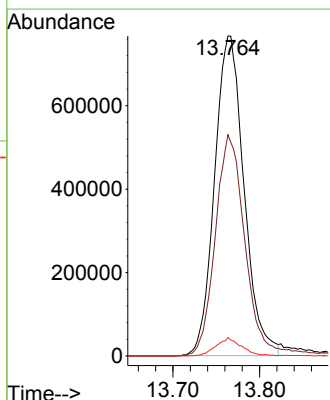
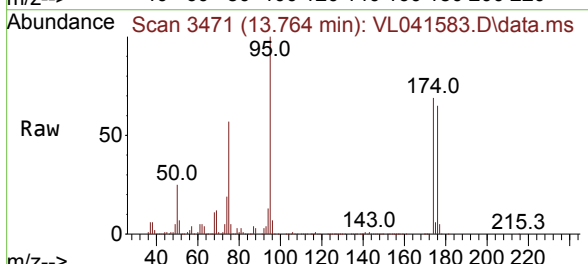
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CD131DUP

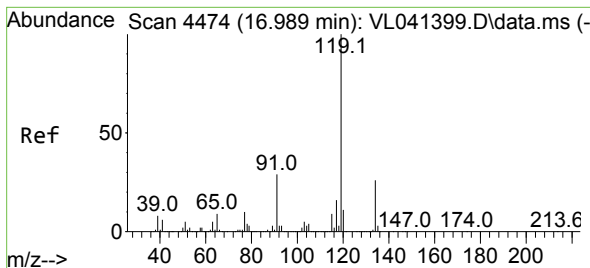
Tgt Ion:120 Resp: 3515  
 Ion Ratio Lower Upper  
 120 100  
 91 371.4 361.4 542.0



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.795 ppbv  
 RT: 13.764 min Scan# 3471  
 Delta R.T. -0.000 min  
 Lab File: VL041583.D  
 Acq: 22 Aug 2024 12:14

Tgt Ion: 95 Resp: 1812291  
 Ion Ratio Lower Upper  
 95 100  
 174 71.6 56.3 84.5  
 175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.089 ppbv

RT: 16.979 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

CD131DUP

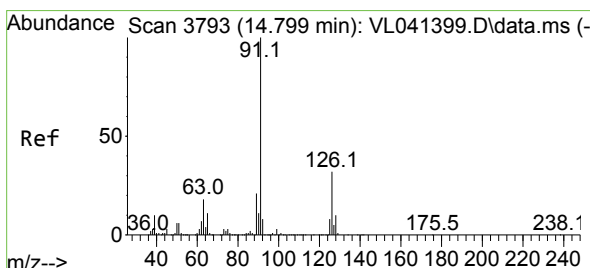
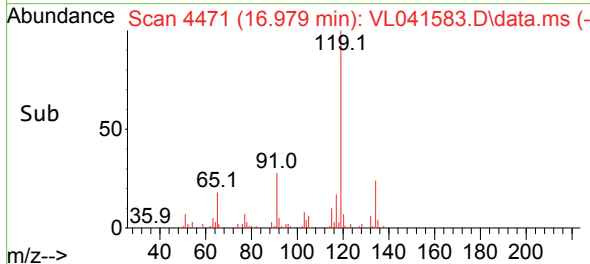
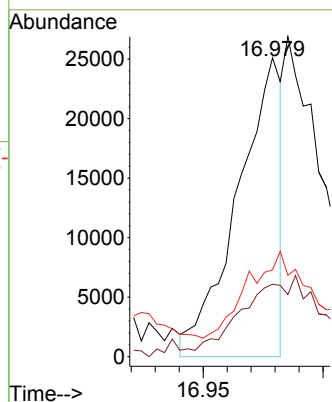
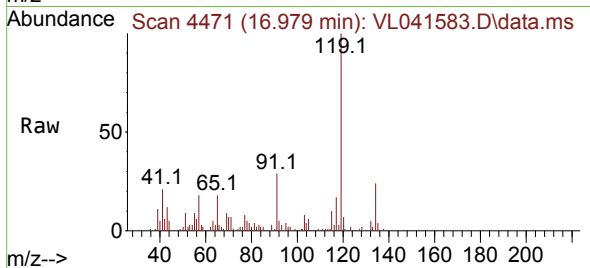
Tgt Ion:119 Resp: 31722

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 23.2 34.8#



#71

2-Chlorotoluene

Concen: 0.042 ppbv

RT: 14.895 min Scan# 3823

Delta R.T. 0.109 min

Lab File: VL041583.D

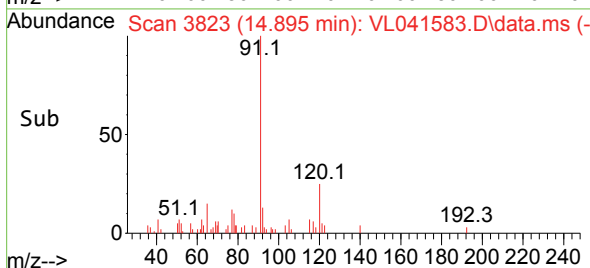
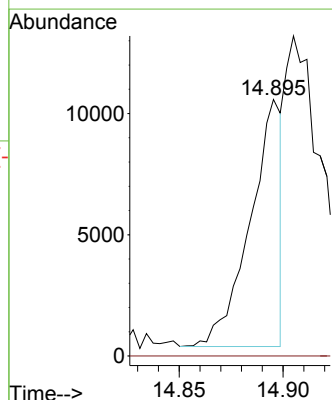
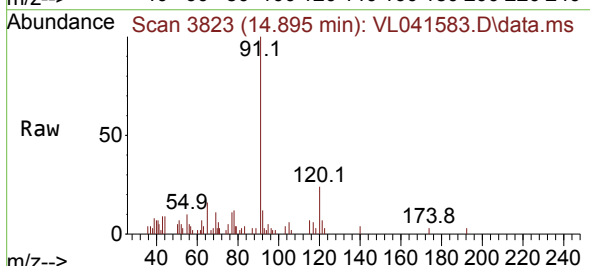
Acq: 22 Aug 2024 12:14

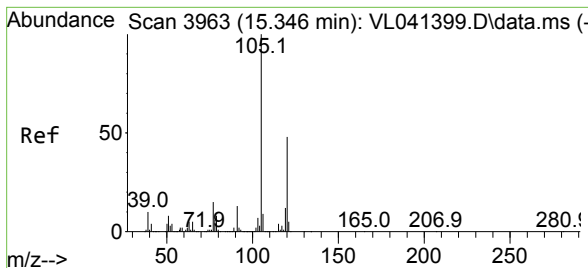
Tgt Ion: 91 Resp: 10745

Ion Ratio Lower Upper

91 100

126 1.0 12.7 50.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.040 ppbv

RT: 15.333 min Scan# 3963

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA\_L

ClientSampleId :

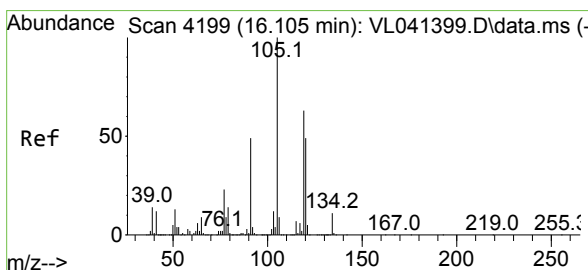
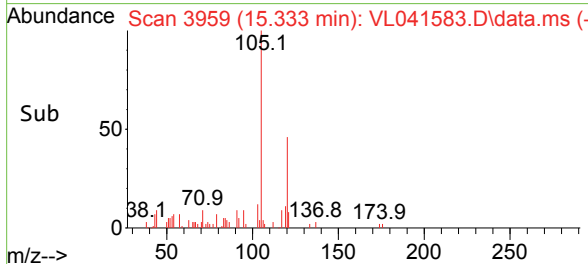
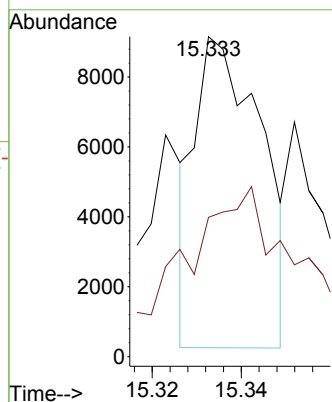
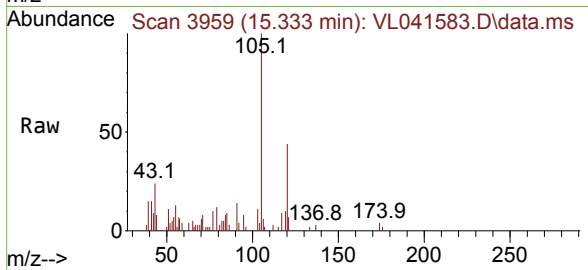
CD131DUP

Tgt Ion:105 Resp: 9191

Ion Ratio Lower Upper

105 100

120 19.2 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.135 ppbv

RT: 16.091 min Scan# 4195

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Tgt Ion:105 Resp: 36117

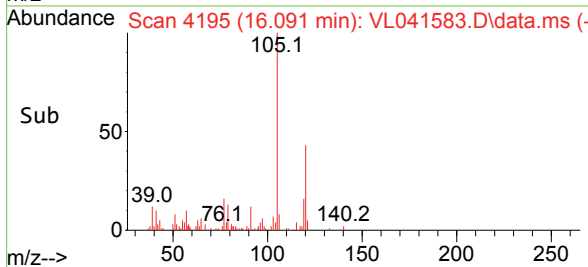
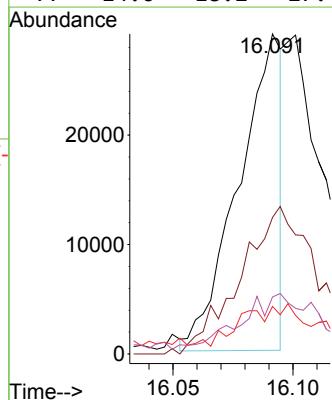
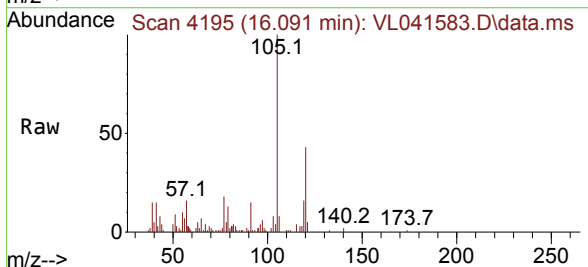
Ion Ratio Lower Upper

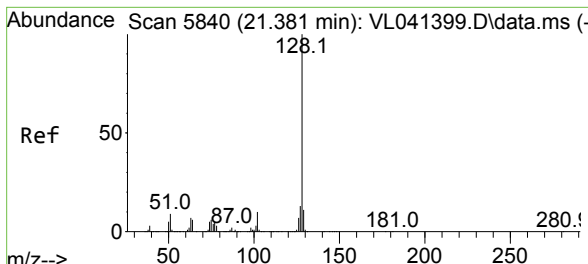
105 100

120 44.7 39.5 59.3

91 10.4 39.8 59.8#

77 14.6 18.2 27.4#





#79  
 Naphthalene  
 Concen: 0.035 ppbv  
 RT: 21.371 min Scan# 51  
 Delta R.T. 0.003 min  
 Lab File: VL041583.D  
 Acq: 22 Aug 2024 12:14

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CD131DUP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 8285  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 11.8  | 10.3  | 15.5  |
| 129       | 35.5  | 9.0   | 13.4# |

