

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110724\  
 Data File : VL041683.D  
 Acq On : 7 Nov 2024 18:24  
 Operator : SY/MD  
 Sample : VL1107ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1107ABS01

Quant Time: Nov 08 03:51:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.185  | 49   | 1128795  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.648  | 114  | 3126174  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.458 | 117  | 3702394  | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2300291 8.432 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 84.300%

#### Target Compounds

|                               |       |     |         |        | Qvalue    |
|-------------------------------|-------|-----|---------|--------|-----------|
| 2) Dichlorodifluoromethane    | 2.726 | 85  | 2133142 | 10.456 | ppbv 98   |
| 3) Chlorodifluoromethane      | 2.671 | 51  | 1358036 | 9.234  | ppbv 100  |
| 4) Chloromethane              | 2.809 | 50  | 739426  | 9.492  | ppbv 96   |
| 5) Vinyl Chloride             | 2.915 | 62  | 715579  | 10.211 | ppbv 98   |
| 6) Bromomethane               | 3.115 | 94  | 360881  | 9.708  | ppbv 99   |
| 7) Chloroethane               | 3.192 | 64  | 255796  | 10.001 | ppbv 94   |
| 8) Dichlorotetrafluoroethane  | 2.854 | 85  | 1714914 | 9.416  | ppbv 99   |
| 9) Propene                    | 2.690 | 41  | 599297  | 9.352  | ppbv 100  |
| 10) Heptane                   | 7.571 | 43  | 1503499 | 10.470 | ppbv 100  |
| 11) Trichlorofluoromethane    | 3.558 | 101 | 1686292 | 9.489  | ppbv 97   |
| 12) 1,1,2-Trichlorotrifluo... | 4.060 | 101 | 1233736 | 9.551  | ppbv 99   |
| 13) Ethanol                   | 3.250 | 45  | 18414   | 4.693  | ppbv 68   |
| 14) Bromoethene               | 3.362 | 108 | 501745  | 9.663  | ppbv 98   |
| 15) Acetone                   | 3.462 | 43  | 1258503 | 9.059  | ppbv 100  |
| 16) 1,3-Butadiene             | 2.980 | 39  | 714485  | 10.193 | ppbv 99   |
| 17) tert-Butyl alcohol        | 3.874 | 59  | 1171221 | 9.608  | ppbv 100  |
| 18) 1,1-Dichloroethene        | 3.874 | 96  | 550010  | 9.709  | ppbv 97   |
| 19) Isopropyl Alcohol         | 3.571 | 45  | 604518  | 9.104  | ppbv # 98 |
| 20) Methylene Chloride        | 3.928 | 84  | 457424  | 8.948  | ppbv 98   |
| 21) Allyl Chloride            | 3.993 | 41  | 833757  | 9.712  | ppbv 97   |
| 22) trans-1,2-Dichloroethene  | 4.439 | 96  | 528381  | 9.380  | ppbv 97   |
| 23) Vinyl Acetate             | 4.620 | 43  | 593962  | 9.699  | ppbv 97   |
| 24) 1,1-Dichloroethane        | 4.558 | 63  | 1150120 | 9.148  | ppbv 99   |
| 25) Ethyl Acetate             | 5.198 | 43  | 2812437 | 9.780  | ppbv 100  |
| 26) Hexane                    | 5.208 | 57  | 1107924 | 10.028 | ppbv 99   |
| 27) Carbon Disulfide          | 4.118 | 76  | 1322486 | 10.655 | ppbv 100  |
| 28) Methyl tert-Butyl Ether   | 4.581 | 73  | 647697  | 9.104  | ppbv 100  |
| 29) Chloroform                | 5.269 | 83  | 1738610 | 9.534  | ppbv 99   |
| 30) Cyclohexane               | 6.594 | 84  | 935328  | 9.943  | ppbv 99   |
| 31) cis-1,2-Dichloroethene    | 5.073 | 61  | 1066172 | 10.032 | ppbv 98   |
| 32) 1,1,1-Trichloroethane     | 5.999 | 97  | 1706831 | 10.259 | ppbv 100  |
| 34) 2-Butanone                | 4.780 | 43  | 1558779 | 10.014 | ppbv 99   |
| 35) Carbon Tetrachloride      | 6.488 | 117 | 1799316 | 10.909 | ppbv 99   |
| 36) Benzene                   | 6.365 | 78  | 2351635 | 10.153 | ppbv 99   |
| 37) 1,2-Dichloroethane        | 5.803 | 62  | 1305458 | 9.990  | ppbv 99   |
| 38) Trichloroethene           | 7.285 | 130 | 958369  | 10.773 | ppbv 98   |
| 39) 1,2-Dichloropropane       | 7.070 | 63  | 918548  | 10.035 | ppbv 96   |
| 40) 1,4-Dioxane               | 7.282 | 88  | 306141  | 9.322  | ppbv 71   |
| 41) Tetrahydrofuran           | 5.549 | 42  | 931440  | 10.478 | ppbv 100  |
| 42) Bromodichloromethane      | 7.243 | 83  | 1863473 | 10.262 | ppbv 98   |
| 43) Methyl Methacrylate       | 7.468 | 69  | 933637  | 11.480 | ppbv 98   |
| 44) 2,2,4-Trimethylpentane    | 7.320 | 57  | 3949724 | 10.067 | ppbv 100  |
| 45) t-1,3-Dichloropropene     | 8.706 | 75  | 880458  | 11.848 | ppbv 99   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110724\  
 Data File : VL041683.D  
 Acq On : 7 Nov 2024 18:24  
 Operator : SY/MD  
 Sample : VL1107ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1107ABS01

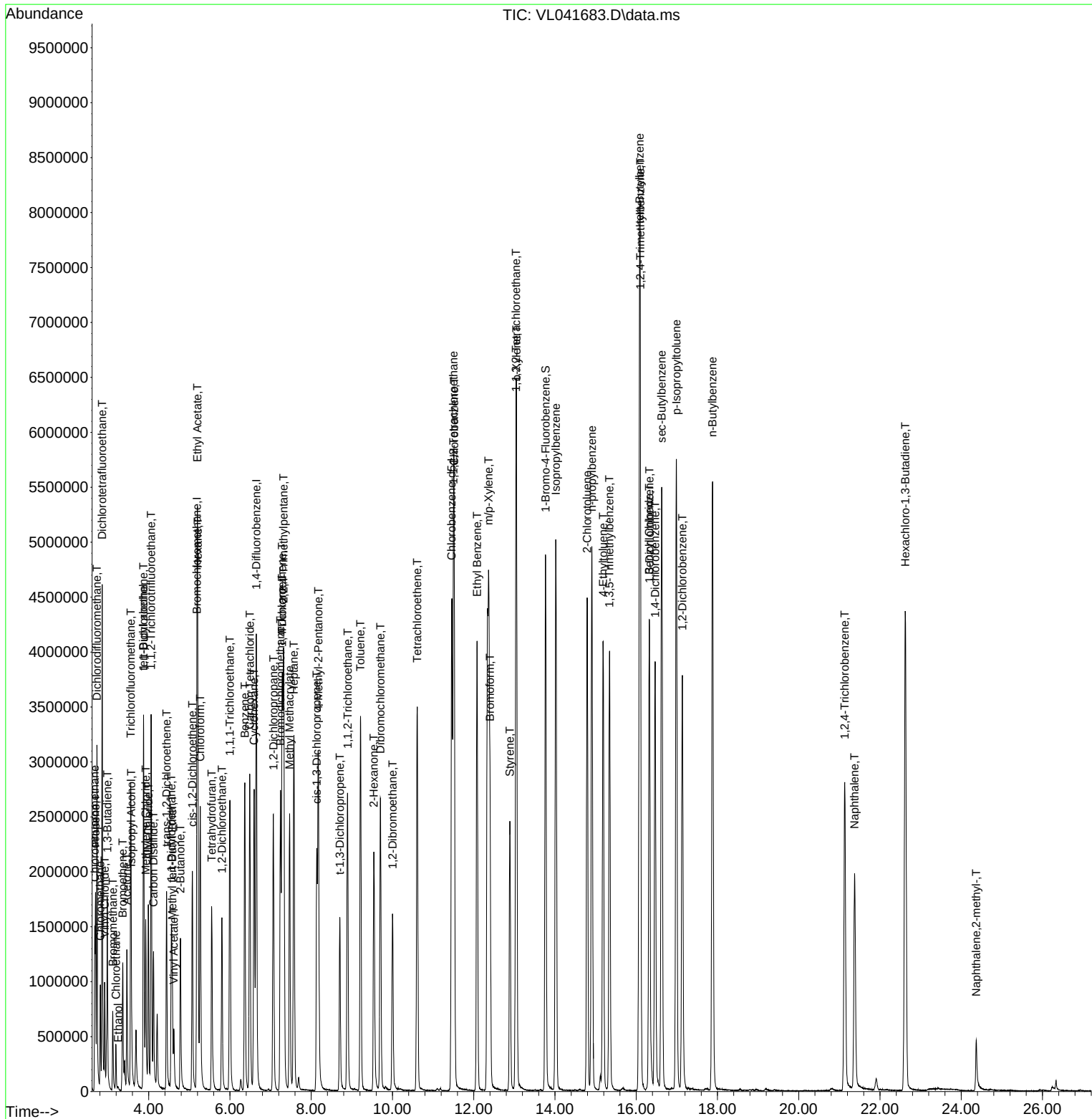
Quant Time: Nov 08 03:51:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 08 01:01:00 2024  
 Response via : Initial Calibration

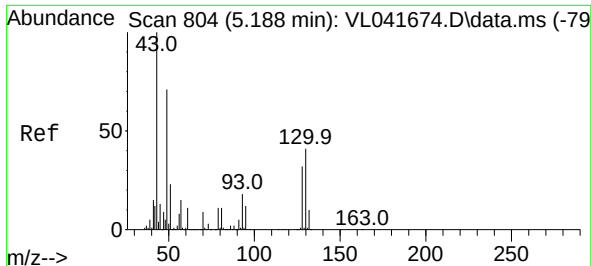
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.137  | 75   | 1229071  | 11.515 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 8.896  | 97   | 987685   | 9.970  | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.703  | 129  | 1630376  | 10.826 | ppbv   | 99       |
| 49) Bromoform                 | 12.401 | 173  | 1455608  | 11.297 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.176  | 43   | 2571671  | 10.762 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.542  | 43   | 1998257  | 11.483 | ppbv   | 100      |
| 52) Tetrachloroethene         | 10.610 | 164  | 879019   | 11.136 | ppbv   | 96       |
| 53) Toluene                   | 9.214  | 91   | 2735661  | 11.231 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.002 | 107  | 1309588  | 11.314 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.500 | 131  | 1243563  | 8.144  | ppbv   | 99       |
| 57) Chlorobenzene             | 11.520 | 112  | 2179178  | 7.958  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.082 | 91   | 3728449  | 9.186  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.365 | 91   | 3324650  | 9.147  | ppbv # | 37       |
| 60) o-Xylene                  | 13.053 | 91   | 3062960  | 8.837  | ppbv   | 100      |
| 61) Styrene                   | 12.889 | 104  | 1481910  | 10.359 | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.021 | 105  | 4558228  | 8.515  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83   | 2147383  | 8.422  | ppbv   | 100      |
| 64) n-propylbenzene           | 14.912 | 120  | 1241910  | 8.862  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 16.082 | 119  | 4096195  | 8.514  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.320 | 91   | 355379   | 9.602  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 16.629 | 105  | 5794246  | 8.545  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.989 | 119  | 4835968  | 8.821  | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.879 | 91   | 4962037  | 8.847  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.793 | 91   | 3445507  | 8.905  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.185 | 105  | 3711135  | 9.209  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.343 | 105  | 3178195  | 8.988  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.101 | 105  | 3520719  | 8.572  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.326 | 146  | 2160341  | 8.493  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.468 | 146  | 2076558  | 8.461  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.137 | 146  | 2104681  | 8.352  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.622 | 225  | 1379912  | 6.924  | ppbv   | 99       |
| 79) Naphthalene               | 21.374 | 128  | 2624137  | 10.350 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.371 | 142  | 350949   | 6.350  | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.130 | 180  | 1353417  | 8.489  | ppbv   | 100      |

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

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
VL1107ABS01

Quant Time: Nov 08 03:51:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri Nov 08 01:01:00 2024  
Response via : Initial Calibration

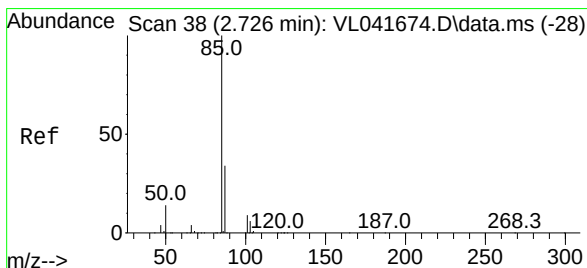
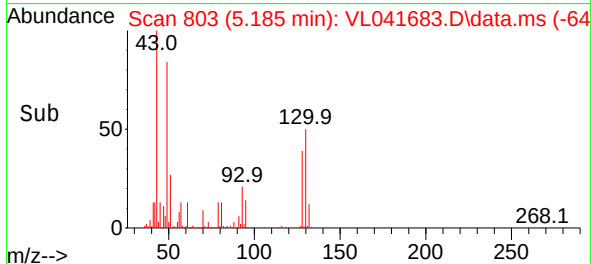
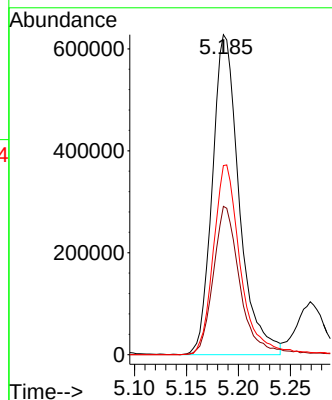
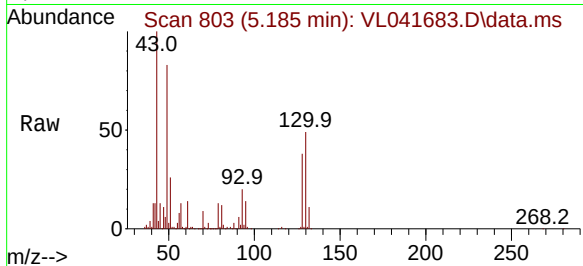




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.185 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

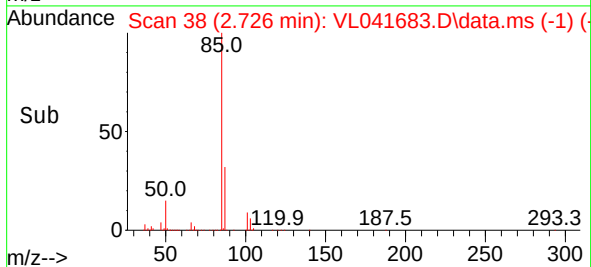
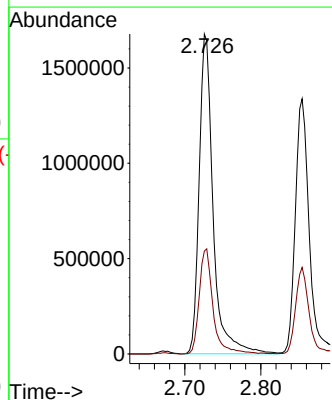
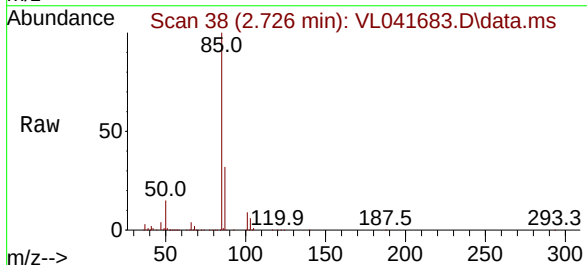
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

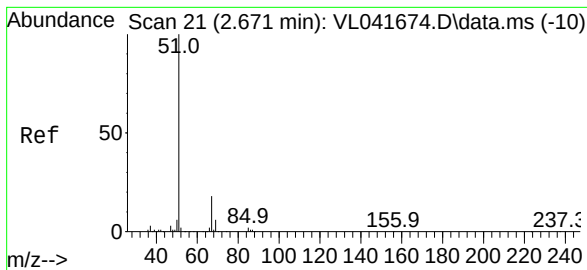
Tgt Ion: 49 Resp: 1128795  
Ion Ratio Lower Upper  
49 100  
128 46.9 23.8 71.2  
130 60.6 30.1 90.5



#2  
Dichlorodifluoromethane  
Concen: 10.456 ppbv  
RT: 2.726 min Scan# 38  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 85 Resp: 2133142  
Ion Ratio Lower Upper  
85 100  
87 32.2 26.8 40.2

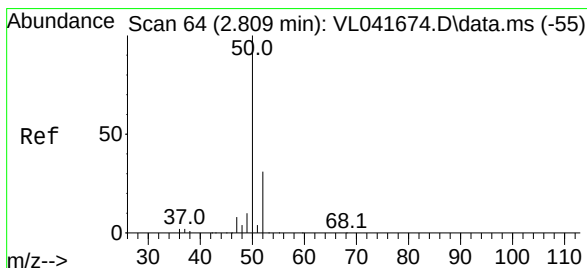
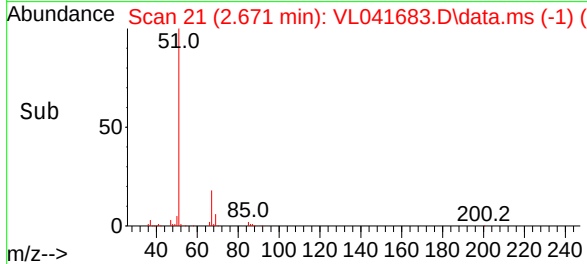
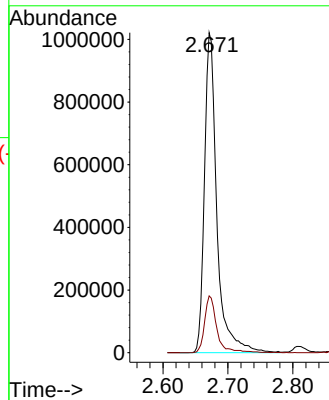
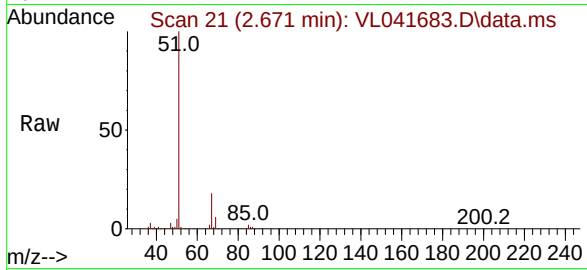




#3  
Chlorodifluoromethane  
Concen: 9.234 ppbv  
RT: 2.671 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

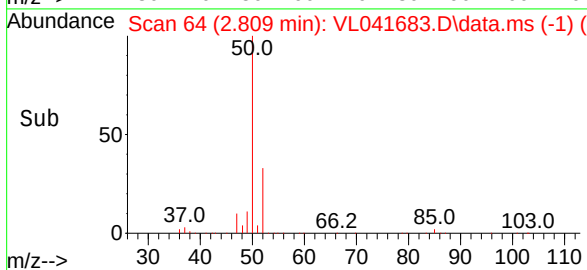
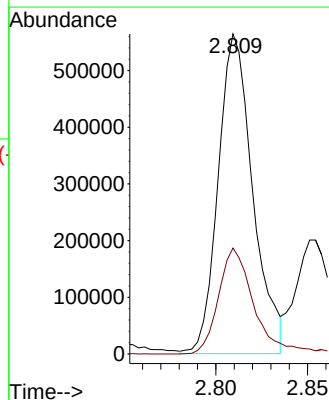
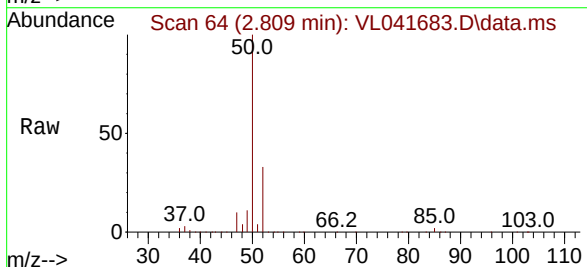
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

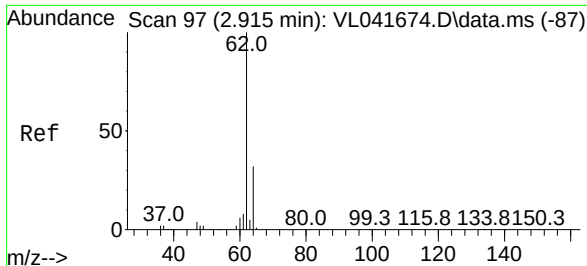
Tgt Ion: 51 Resp: 1358036  
Ion Ratio Lower Upper  
51 100  
67 17.6 13.9 20.9



#4  
Chloromethane  
Concen: 9.492 ppbv  
RT: 2.809 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 50 Resp: 739426  
Ion Ratio Lower Upper  
50 100  
52 33.4 24.9 37.3

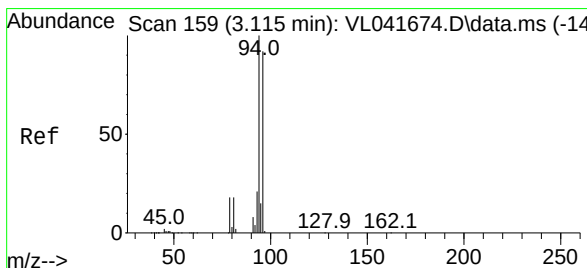
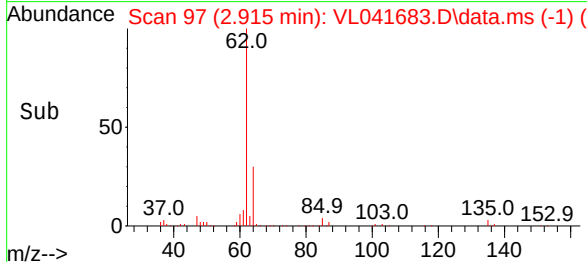
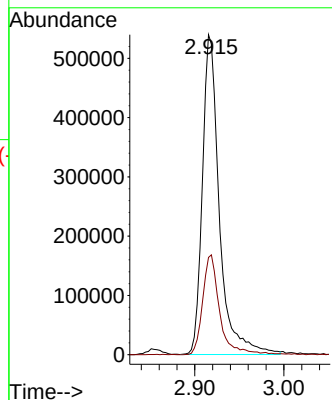
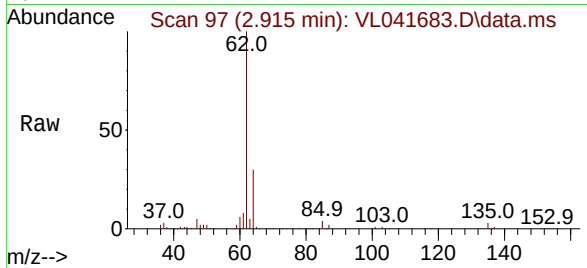




#5  
 Vinyl Chloride  
 Concen: 10.211 ppbv  
 RT: 2.915 min Scan# 97  
 Delta R.T. 0.000 min  
 Lab File: VL041683.D  
 Acq: 7 Nov 2024 18:24

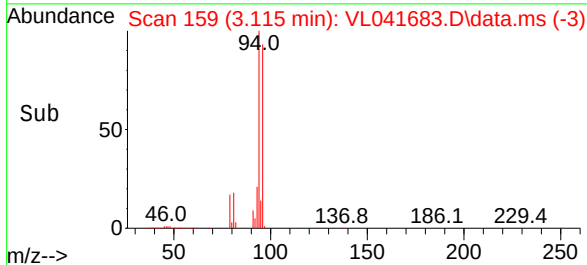
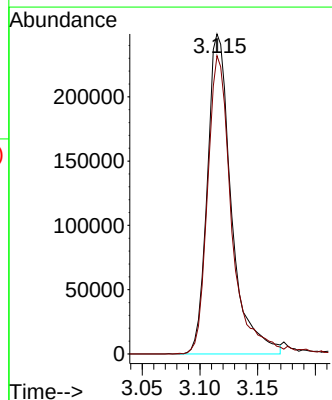
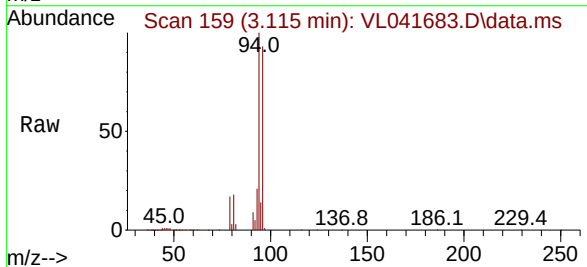
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL1107ABS01

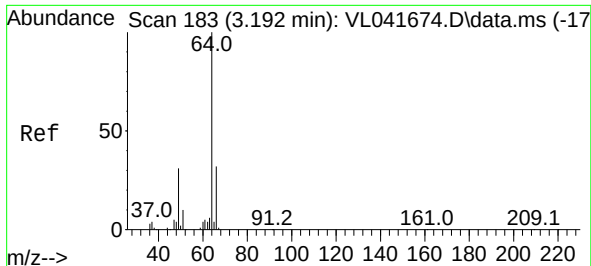
Tgt Ion: 62 Resp: 715579  
 Ion Ratio Lower Upper  
 62 100  
 64 30.4 25.4 38.2



#6  
 Bromomethane  
 Concen: 9.708 ppbv  
 RT: 3.115 min Scan# 159  
 Delta R.T. 0.000 min  
 Lab File: VL041683.D  
 Acq: 7 Nov 2024 18:24

Tgt Ion: 94 Resp: 360881  
 Ion Ratio Lower Upper  
 94 100  
 96 93.0 73.4 110.2

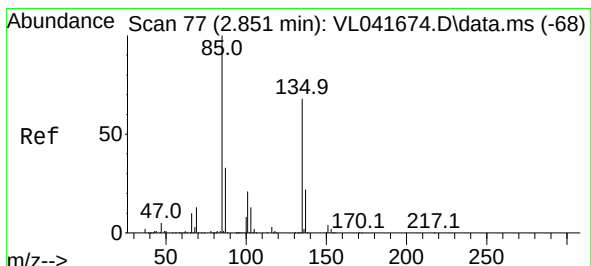
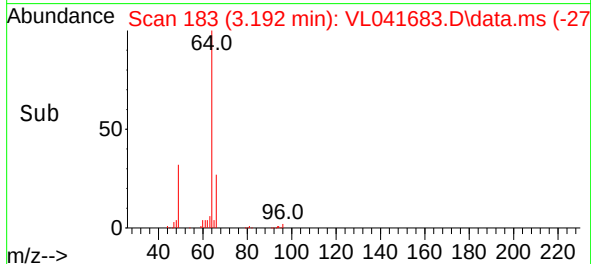
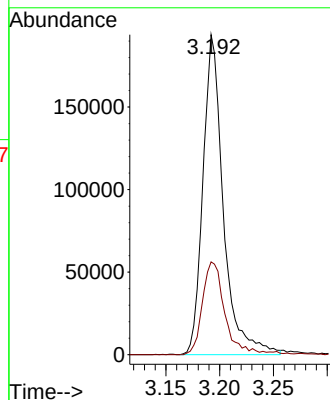
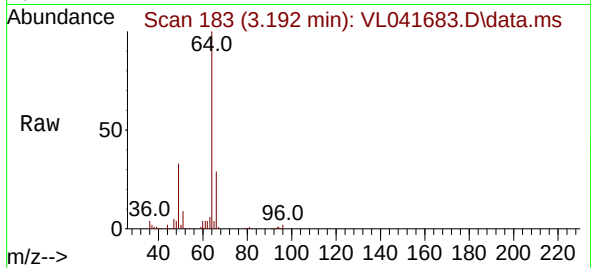




#7  
Chloroethane  
Concen: 10.001 ppbv  
RT: 3.192 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

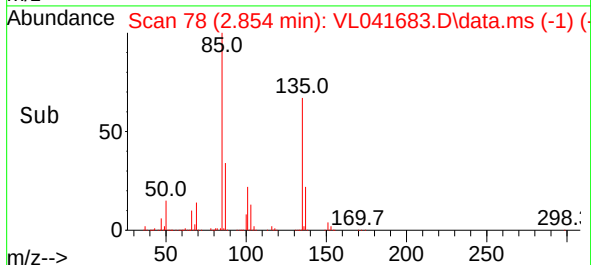
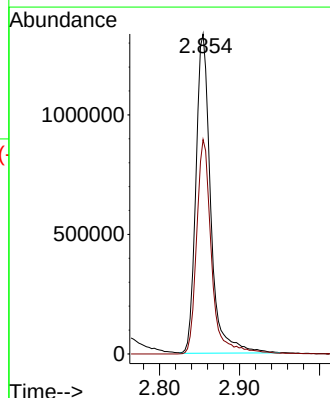
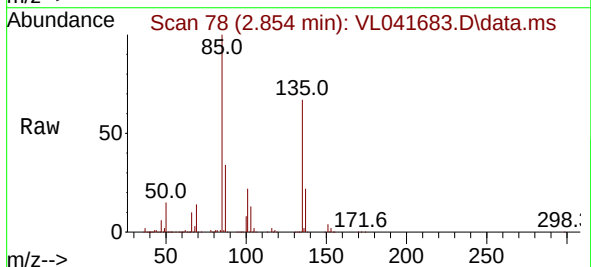
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

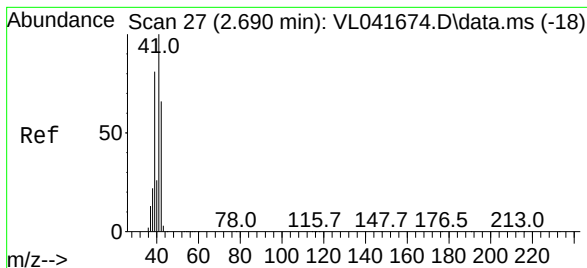
Tgt Ion: 64 Resp: 255796  
Ion Ratio Lower Upper  
64 100  
66 29.0 25.9 38.9



#8  
Dichlorotetrafluoroethane  
Concen: 9.416 ppbv  
RT: 2.854 min Scan# 78  
Delta R.T. 0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 85 Resp: 1714914  
Ion Ratio Lower Upper  
85 100  
135 68.3 55.5 83.3





#9

Propene

Concen: 9.352 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

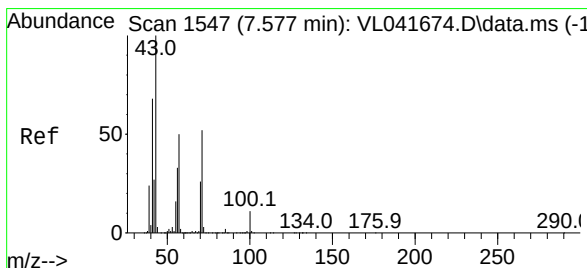
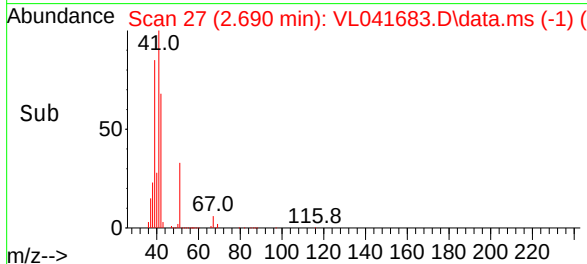
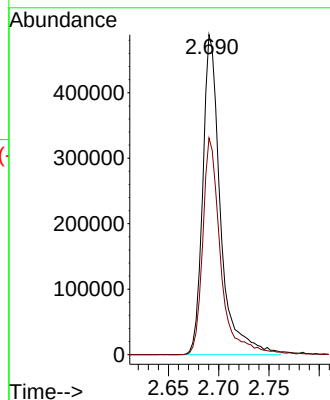
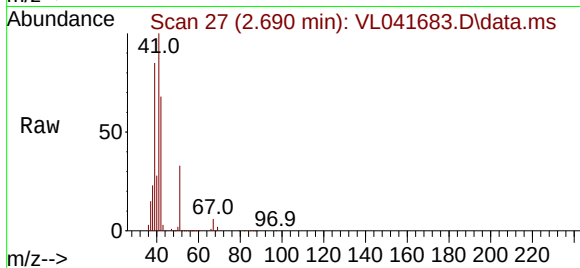
VL1107ABS01

Tgt Ion: 41 Resp: 599297

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4



#10

Heptane

Concen: 10.470 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.006 min

Lab File: VL041683.D

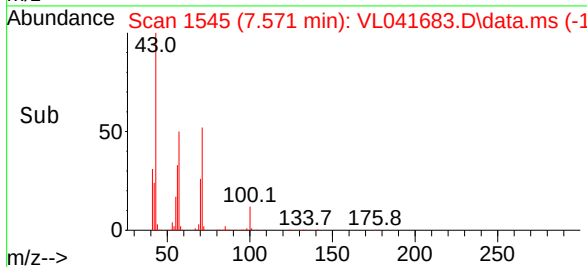
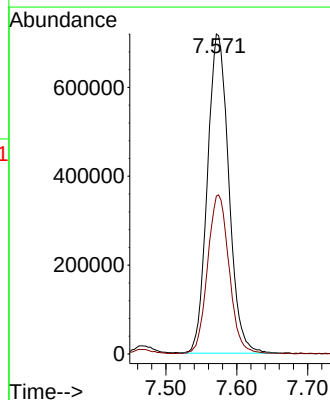
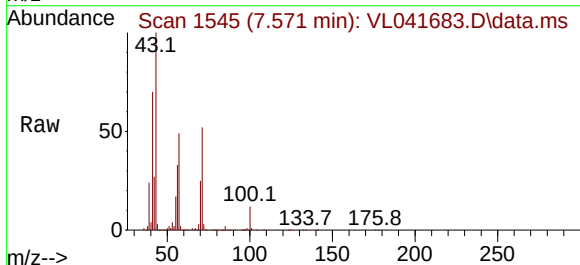
Acq: 7 Nov 2024 18:24

Tgt Ion: 43 Resp: 1503499

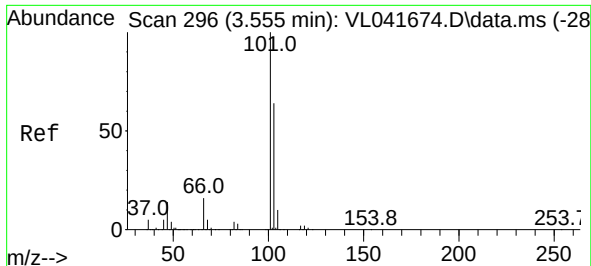
Ion Ratio Lower Upper

43 100

57 50.3 40.0 60.0







#11

Trichlorofluoromethane

Concen: 9.489 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

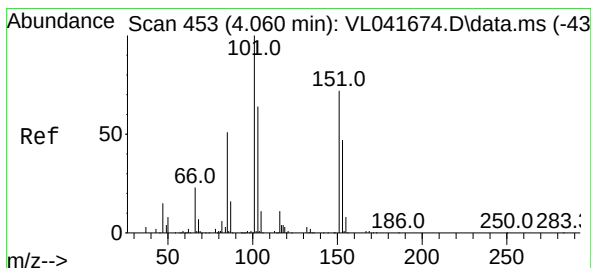
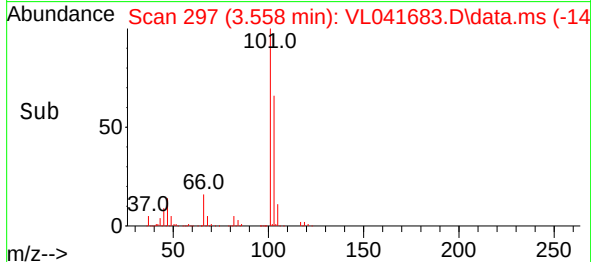
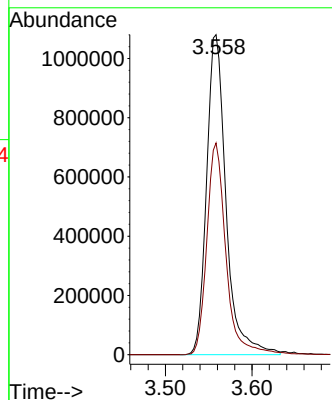
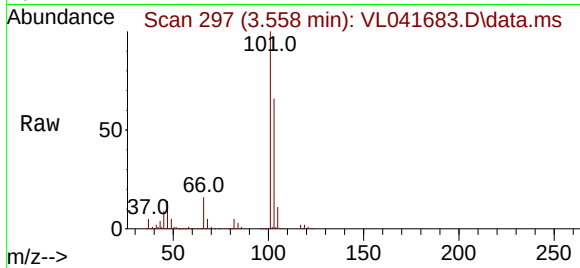
VL1107ABS01

Tgt Ion:101 Resp: 1686292

Ion Ratio Lower Upper

101 100

103 66.1 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.551 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041683.D

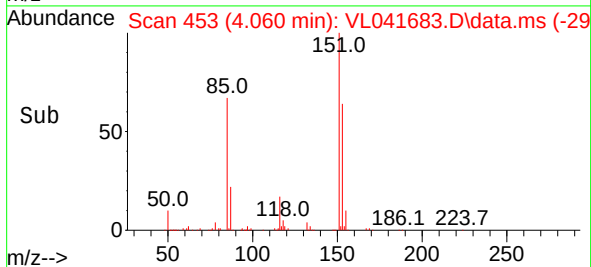
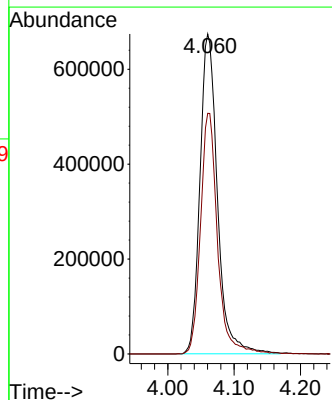
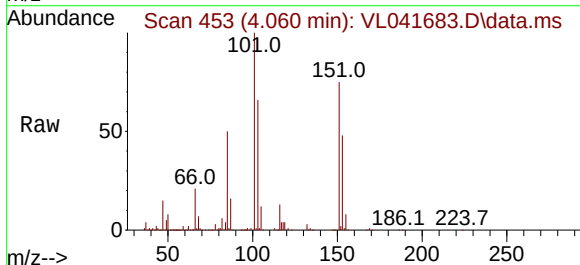
Acq: 7 Nov 2024 18:24

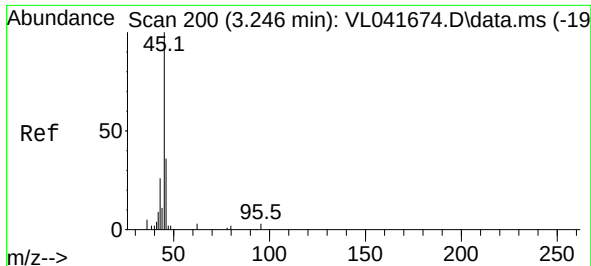
Tgt Ion:101 Resp: 1233736

Ion Ratio Lower Upper

101 100

151 73.2 59.1 88.7





#13

Ethanol

Concen: 4.693 ppbv

RT: 3.250 min Scan# 200

Delta R.T. 0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

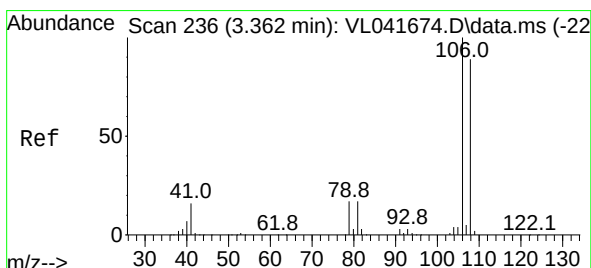
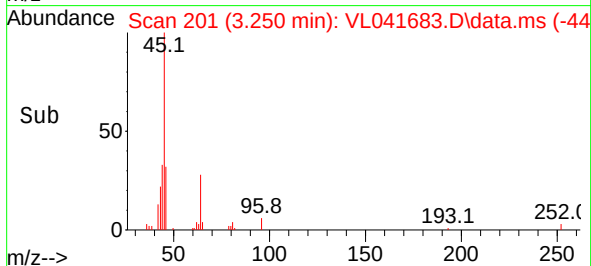
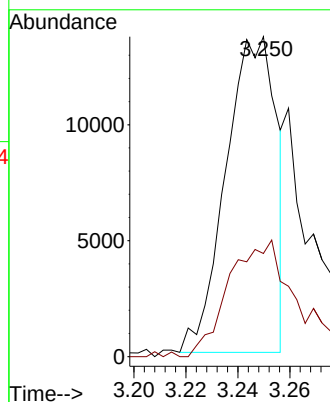
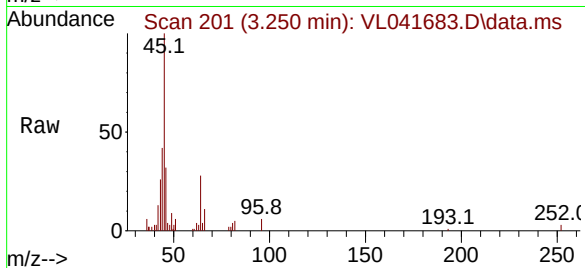
VL1107ABS01

Tgt Ion: 45 Resp: 18414

Ion Ratio Lower Upper

45 100

46 52.7 13.8 55.2



#14

Bromoethene

Concen: 9.663 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

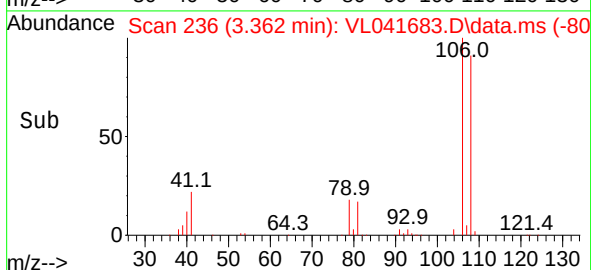
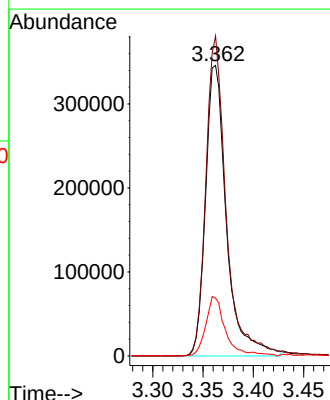
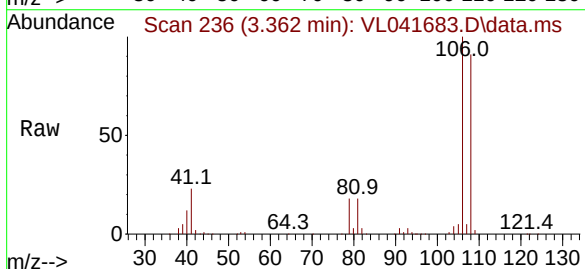
Tgt Ion:108 Resp: 501745

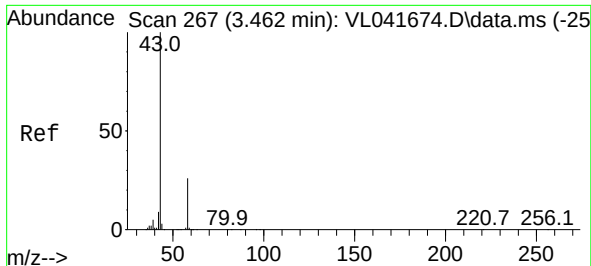
Ion Ratio Lower Upper

108 100

106 107.9 88.6 133.0

79 19.7 15.6 23.4

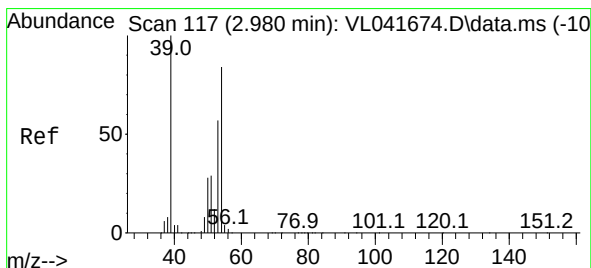
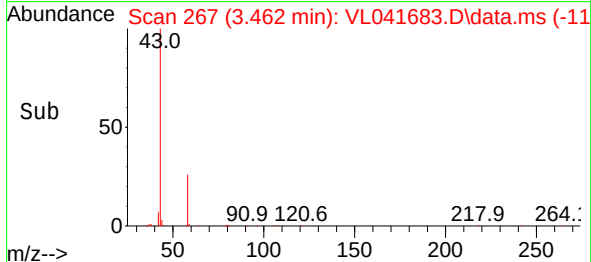
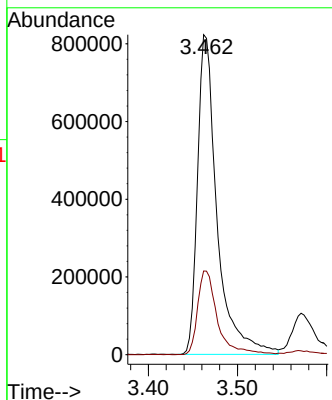
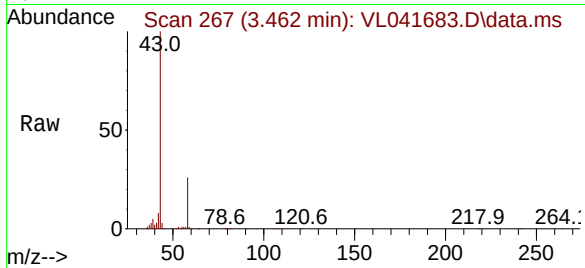




#15  
Acetone  
Concen: 9.059 ppbv  
RT: 3.462 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

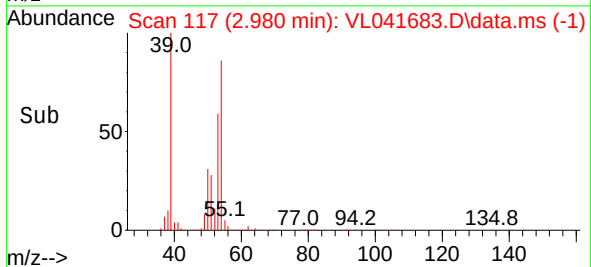
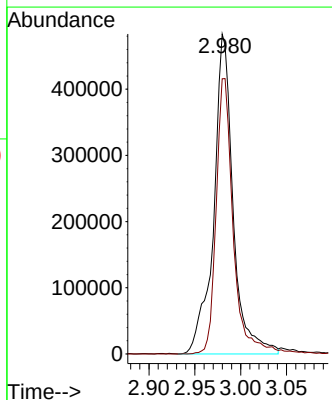
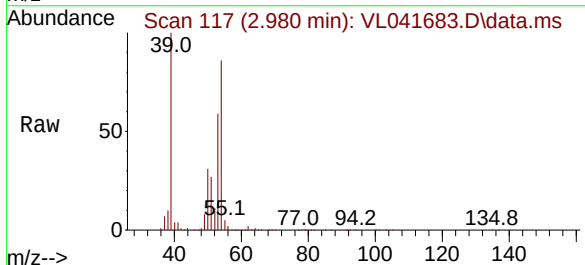
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

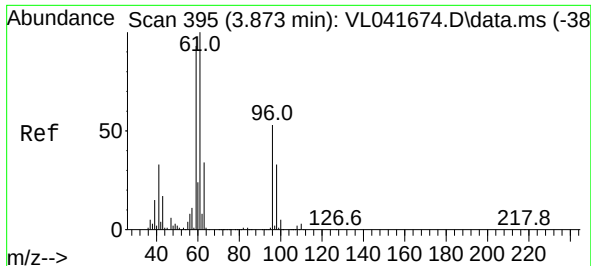
Tgt Ion: 43 Resp: 1258503  
Ion Ratio Lower Upper  
43 100  
58 26.6 21.4 32.0



#16  
1,3-Butadiene  
Concen: 10.193 ppbv  
RT: 2.980 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 39 Resp: 714485  
Ion Ratio Lower Upper  
39 100  
54 75.8 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.608 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

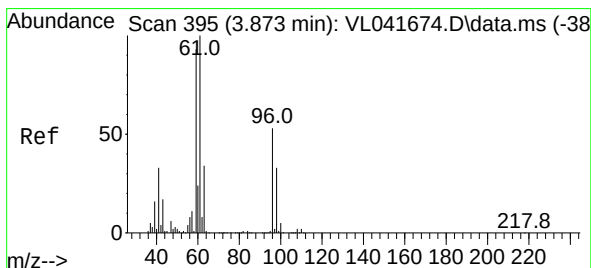
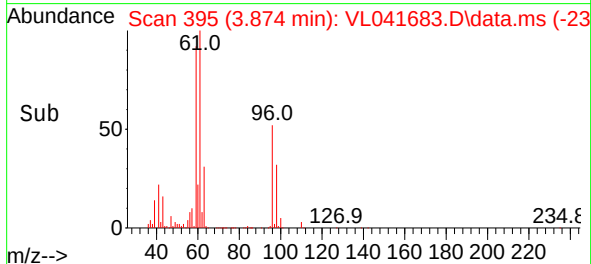
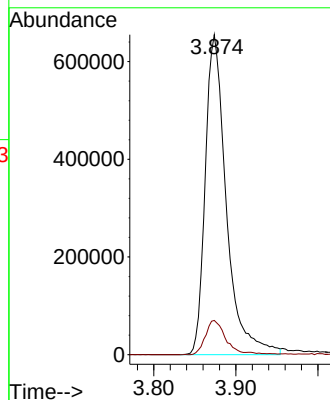
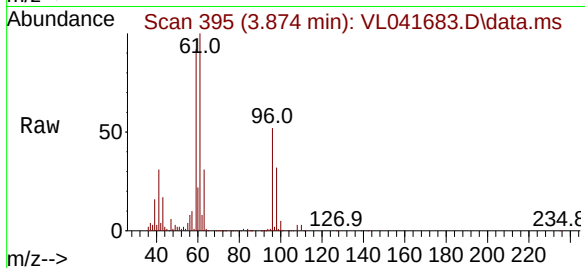
VL1107ABS01

Tgt Ion: 59 Resp: 1171221

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.709 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

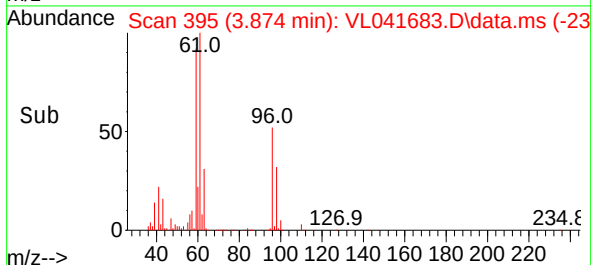
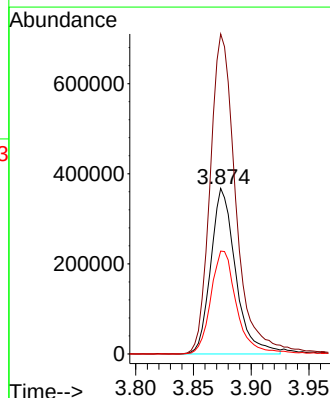
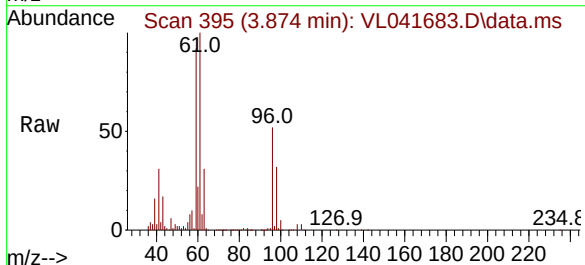
Tgt Ion: 96 Resp: 550010

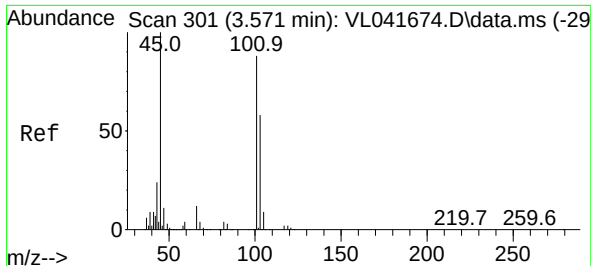
Ion Ratio Lower Upper

96 100

61 193.2 150.7 226.1

98 62.2 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.104 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

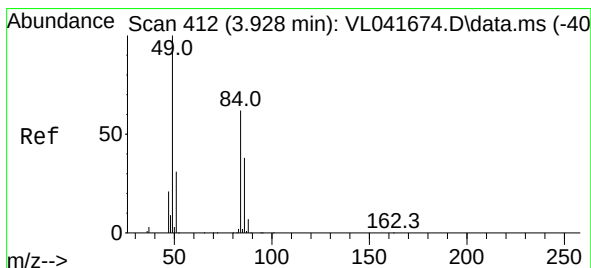
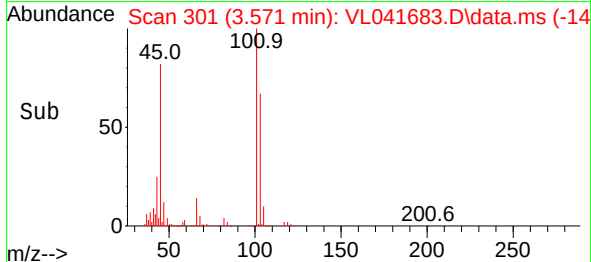
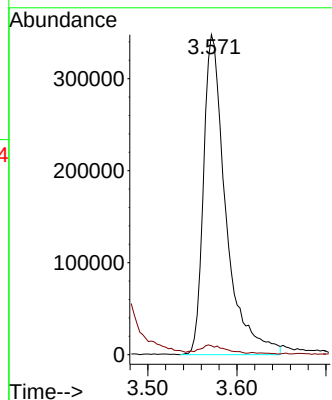
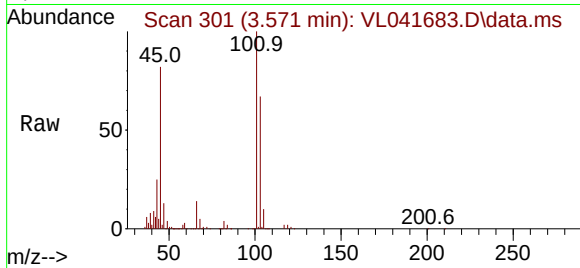
VL1107ABS01

Tgt Ion: 45 Resp: 604518

Ion Ratio Lower Upper

45 100

58 3.8 2.5 3.7#



#20

Methylene Chloride

Concen: 8.948 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Tgt Ion: 84 Resp: 457424

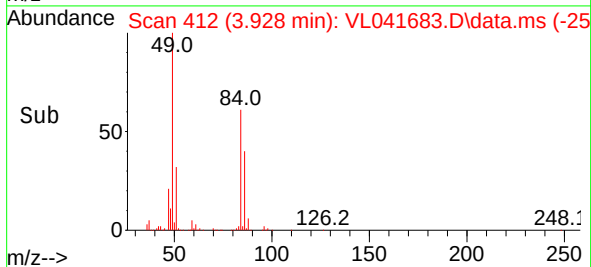
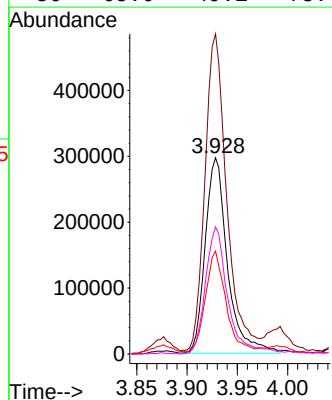
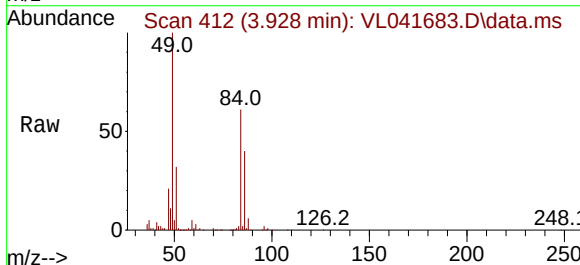
Ion Ratio Lower Upper

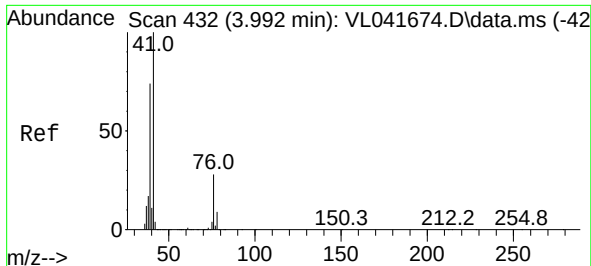
84 100

49 162.3 129.7 194.5

51 51.3 39.8 59.6

86 65.0 49.1 73.7





#21

Allyl Chloride

Concen: 9.712 ppbv

RT: 3.993 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

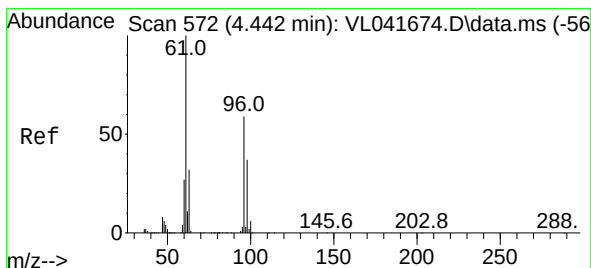
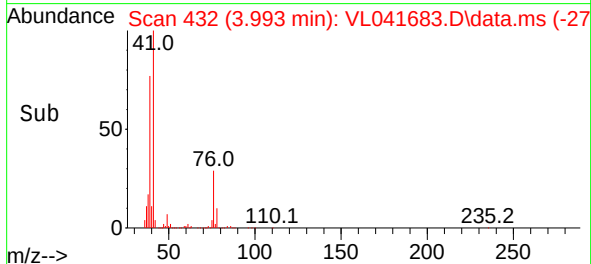
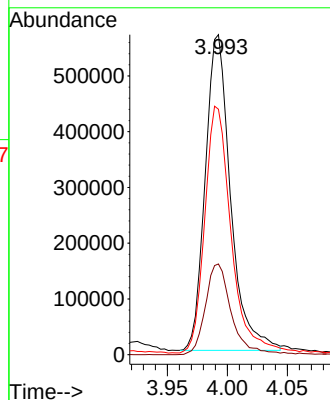
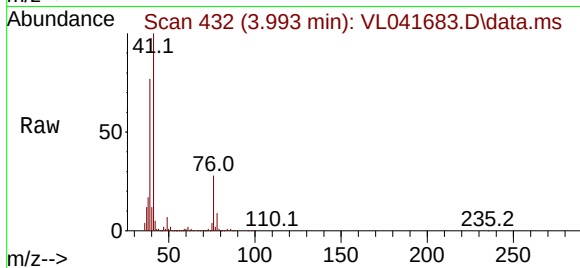
Tgt Ion: 41 Resp: 833757

Ion Ratio Lower Upper

41 100

76 29.6 23.5 35.3

39 82.5 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 9.380 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

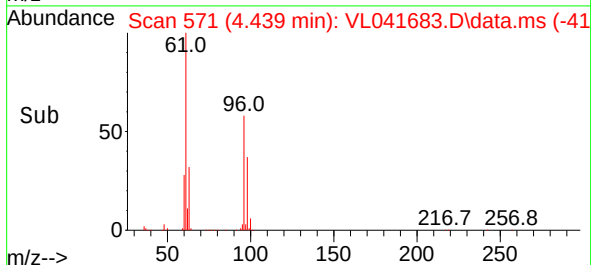
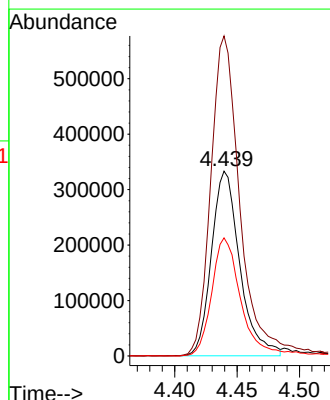
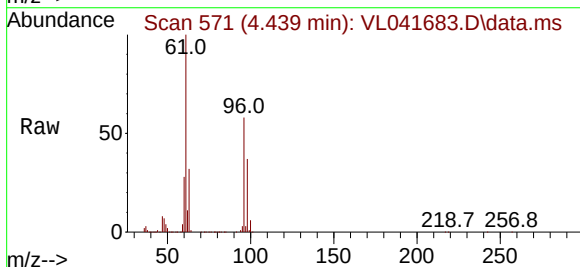
Tgt Ion: 96 Resp: 528381

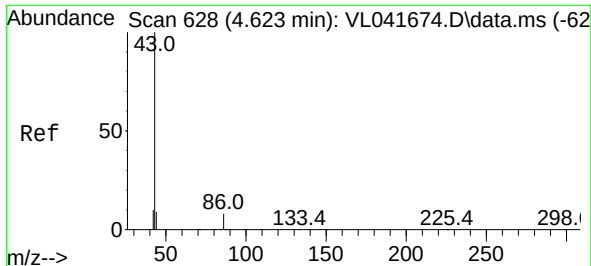
Ion Ratio Lower Upper

96 100

61 173.0 134.5 201.7

98 63.9 49.6 74.4





#23

Vinyl Acetate

Concen: 9.699 ppbv

RT: 4.620 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_1

ClientSampleId :

VL1107ABS01

Tgt Ion: 43 Resp: 593962

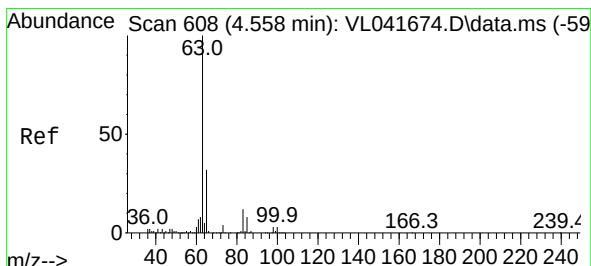
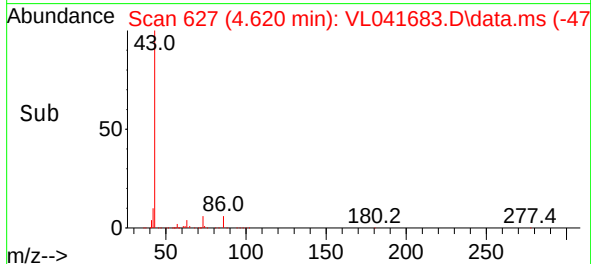
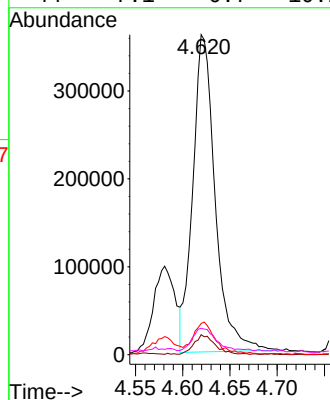
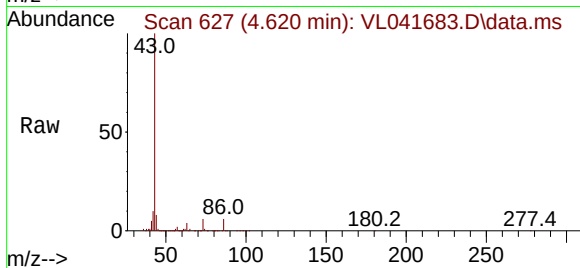
Ion Ratio Lower Upper

43 100

86 6.2 5.3 7.9

42 9.5 8.5 12.7

44 7.1 6.7 10.1



#24

1,1-Dichloroethane

Concen: 9.148 ppbv

RT: 4.558 min Scan# 608

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

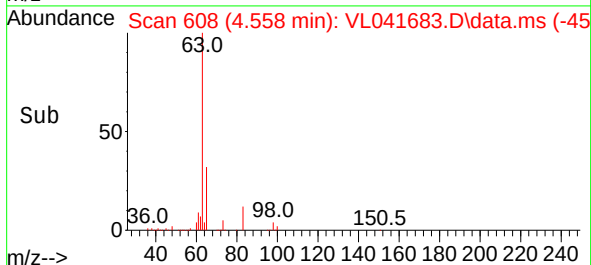
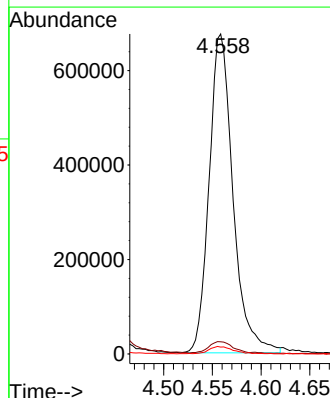
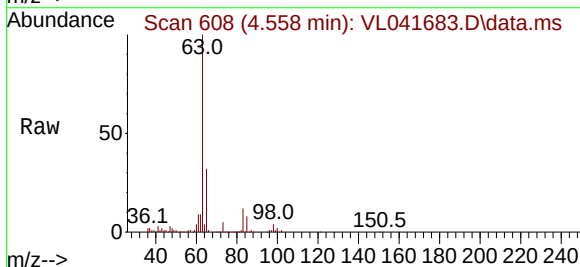
Tgt Ion: 63 Resp: 1150120

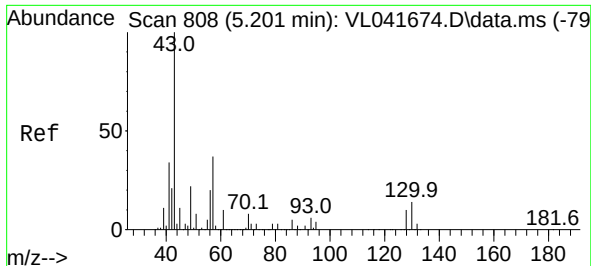
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.1 1.4 4.2





#25

Ethyl Acetate

Concen: 9.780 ppbv

RT: 5.198 min Scan# 80

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

Tgt Ion: 43 Resp: 2812437

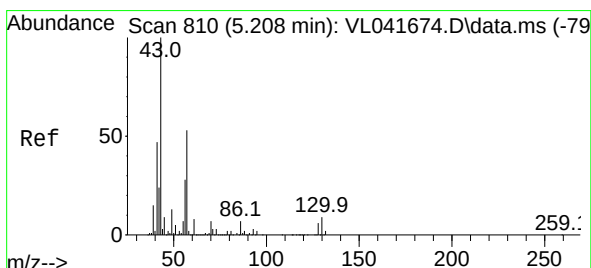
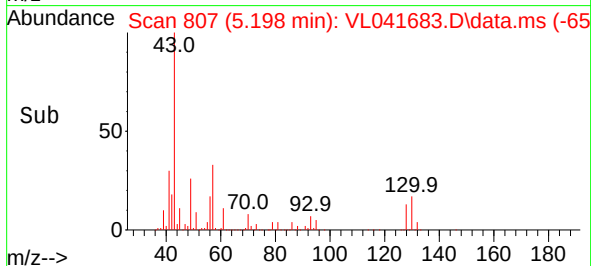
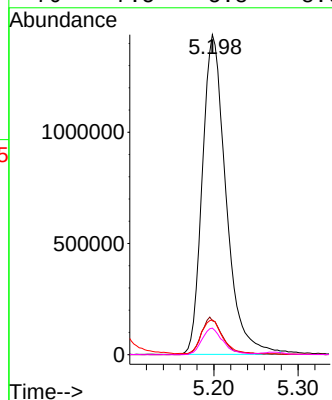
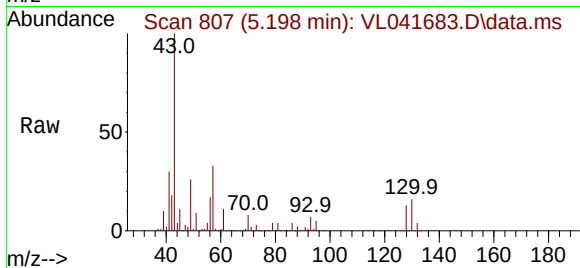
Ion Ratio Lower Upper

43 100

45 10.8 8.6 13.0

61 10.6 8.4 12.6

70 7.5 5.8 8.6



#26

Hexane

Concen: 10.028 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Tgt Ion: 57 Resp: 1107924

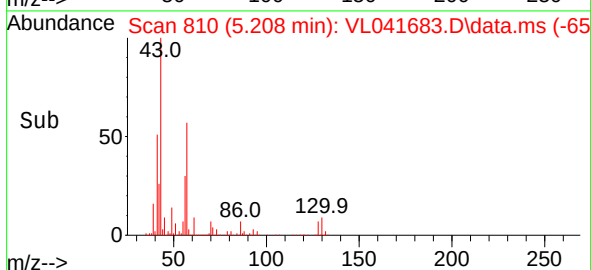
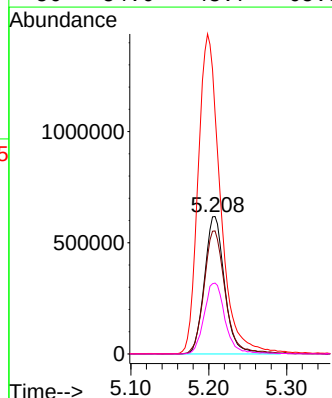
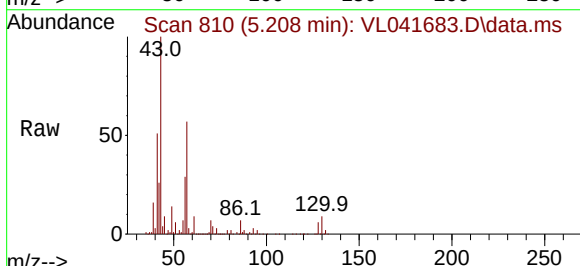
Ion Ratio Lower Upper

57 100

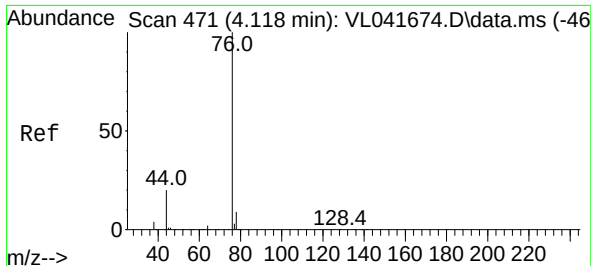
41 95.0 76.1 114.1

43 256.8 207.0 310.6

56 54.0 43.7 65.5





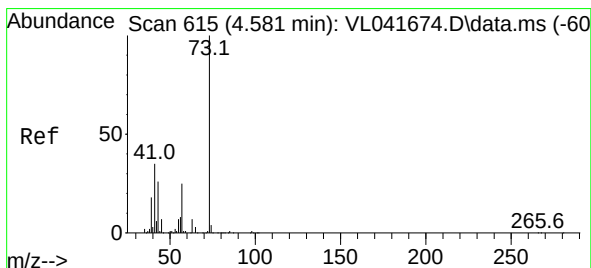
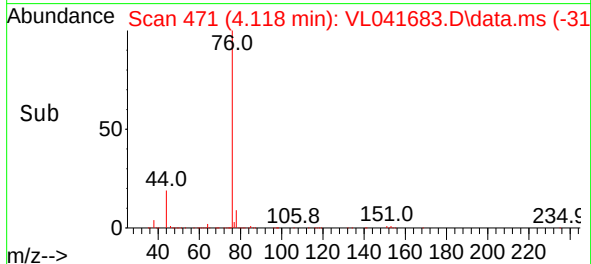
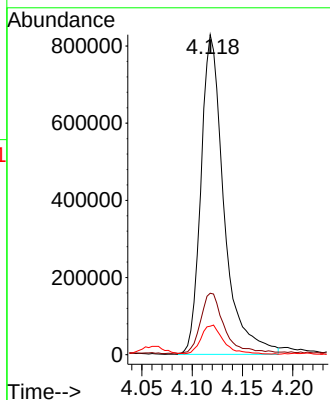
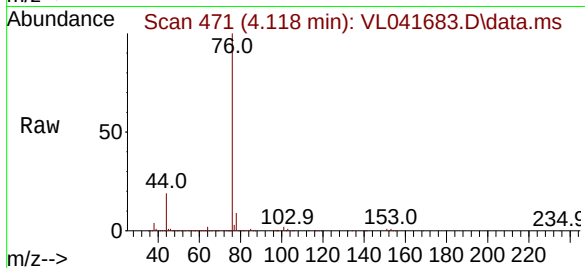


#27  
Carbon Disulfide  
Concen: 10.655 ppbv  
RT: 4.118 min Scan# 471  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

Tgt Ion: 76 Resp: 1322486

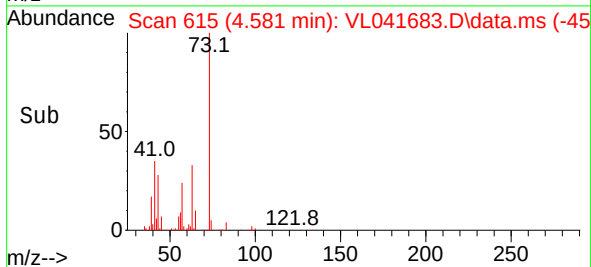
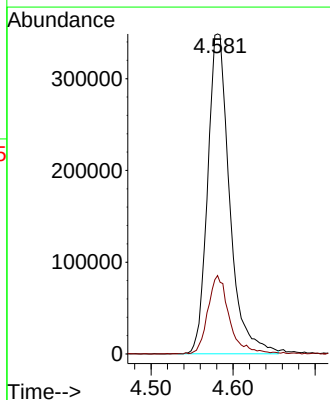
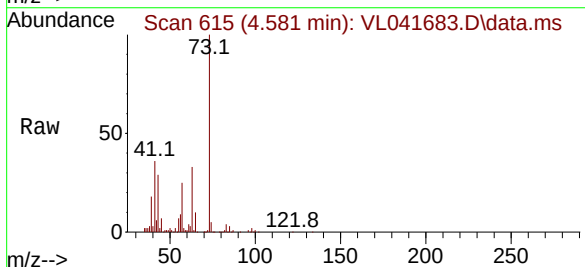
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 19.7  | 15.8  | 23.8  |
| 78  | 9.3   | 7.5   | 11.3  |

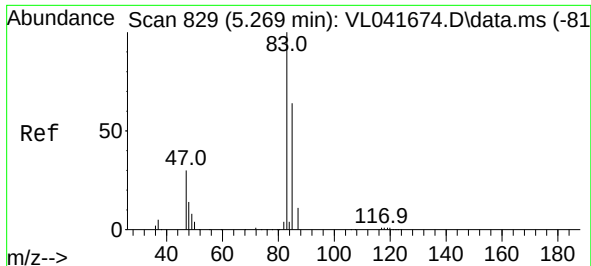


#28  
Methyl tert-Butyl Ether  
Concen: 9.104 ppbv  
RT: 4.581 min Scan# 615  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 73 Resp: 647697

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 24.5  | 19.6  | 29.4  |





#29

Chloroform

Concen: 9.534 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_1

ClientSampleId :

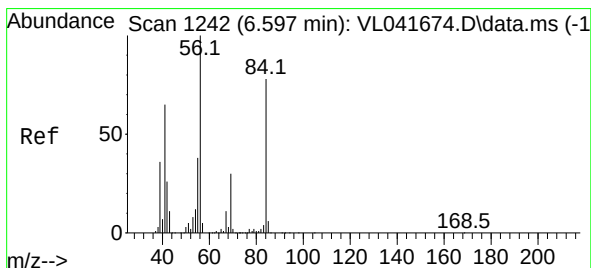
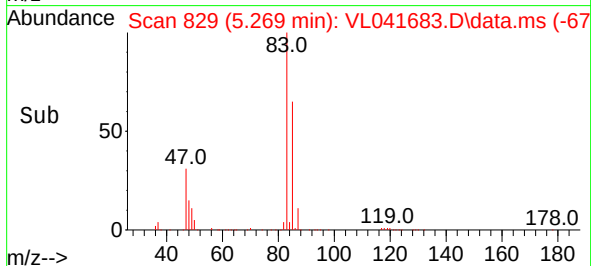
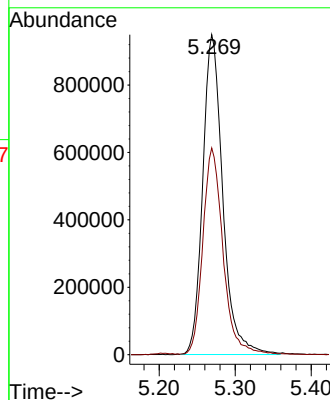
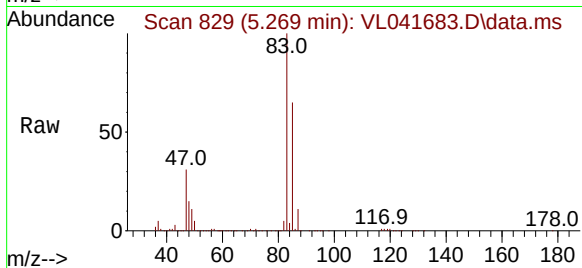
VL1107ABS01

Tgt Ion: 83 Resp: 1738610

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7



#30

Cyclohexane

Concen: 9.943 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

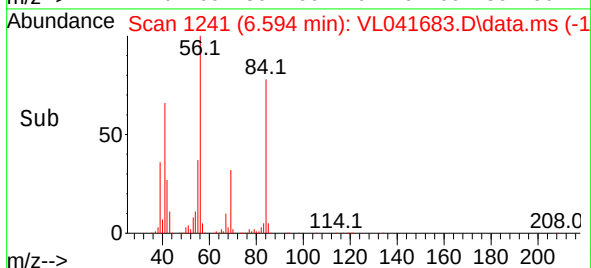
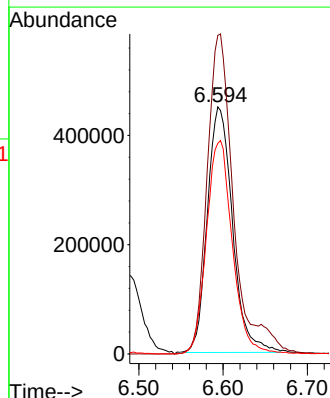
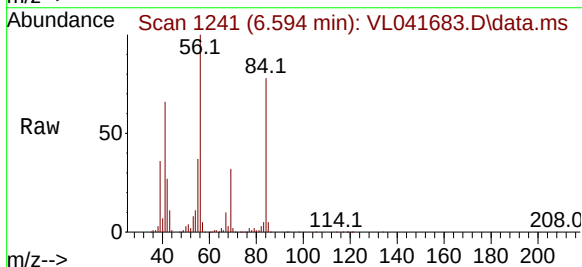
Tgt Ion: 84 Resp: 935328

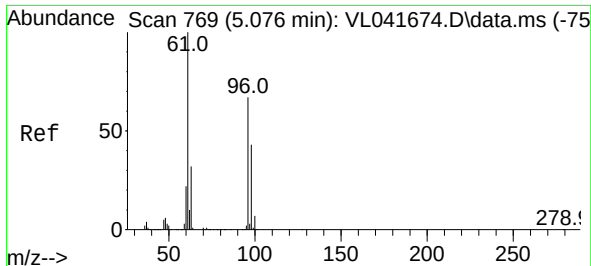
Ion Ratio Lower Upper

84 100

56 137.7 110.8 166.2

41 89.7 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.032 ppbv

RT: 5.073 min Scan# 769

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

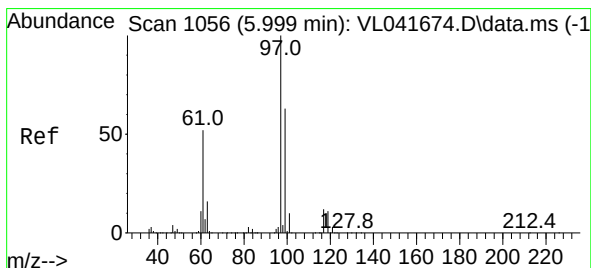
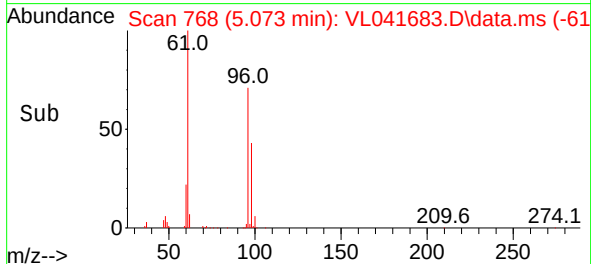
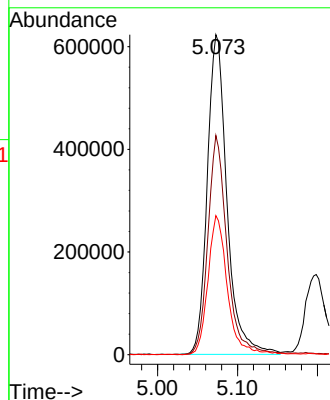
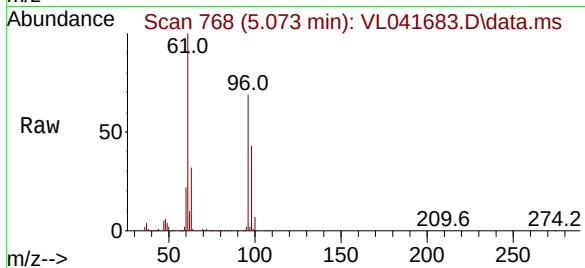
Tgt Ion: 61 Resp: 1066172

Ion Ratio Lower Upper

61 100

96 68.6 53.4 80.2

98 43.4 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.259 ppbv

RT: 5.999 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

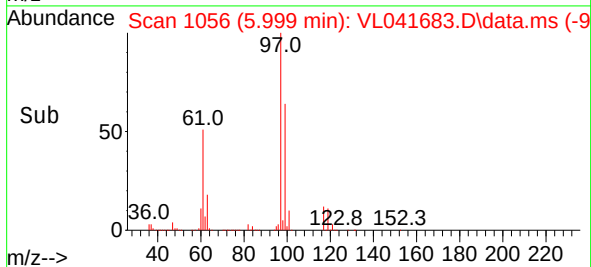
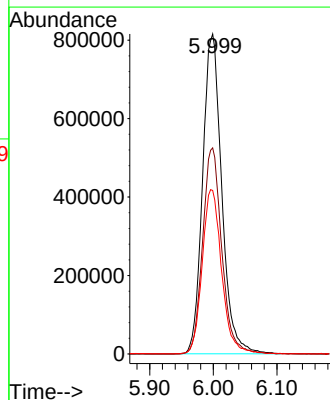
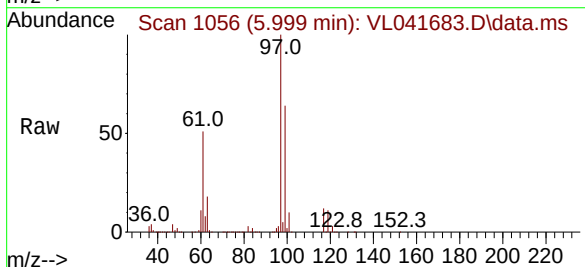
Tgt Ion: 97 Resp: 1706831

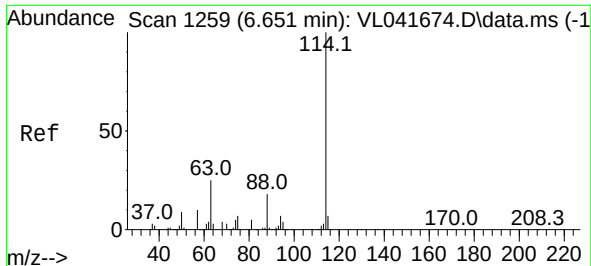
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 52.3 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

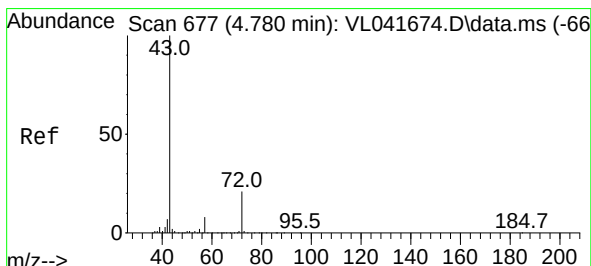
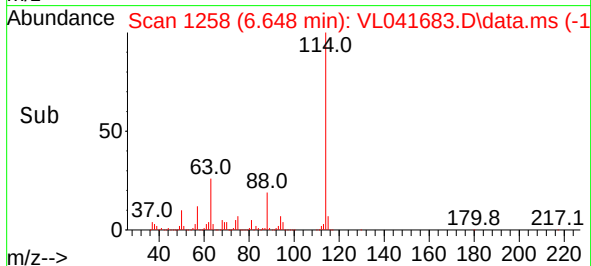
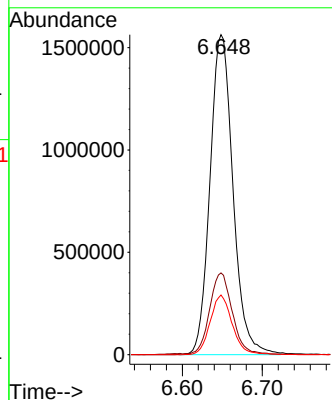
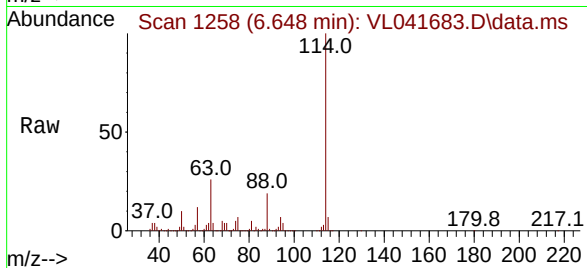
Tgt Ion:114 Resp: 3126174

Ion Ratio Lower Upper

114 100

63 25.8 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 10.014 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL041683.D

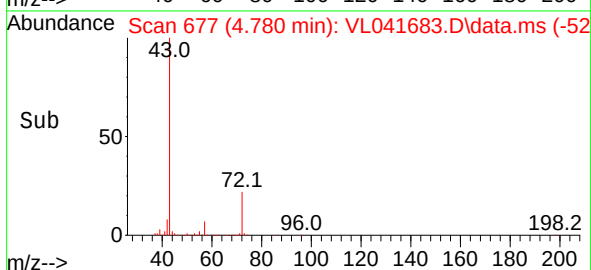
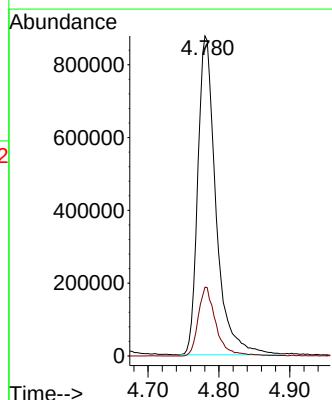
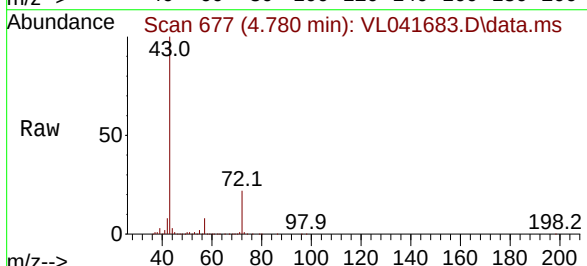
Acq: 7 Nov 2024 18:24

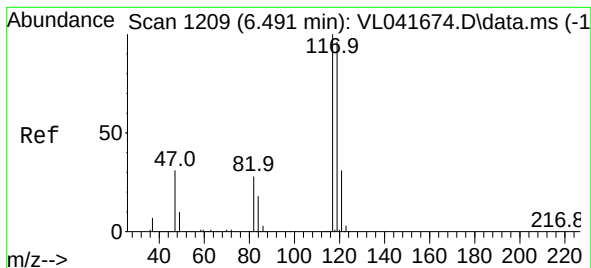
Tgt Ion: 43 Resp: 1558779

Ion Ratio Lower Upper

43 100

72 21.3 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.909 ppbv

RT: 6.488 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

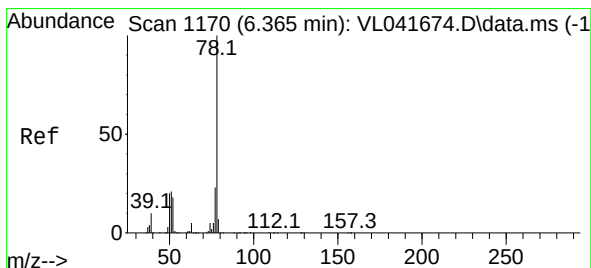
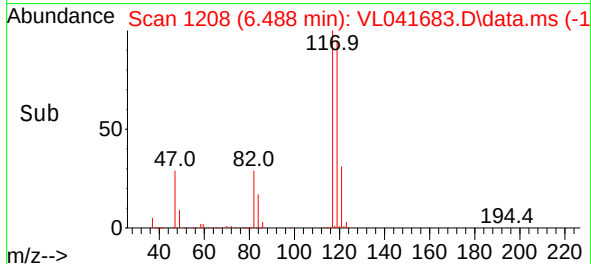
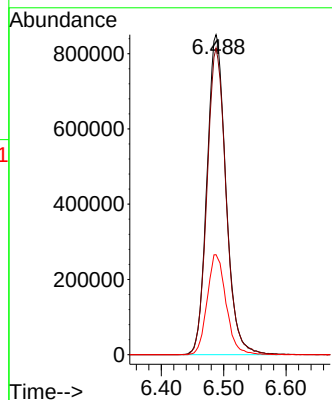
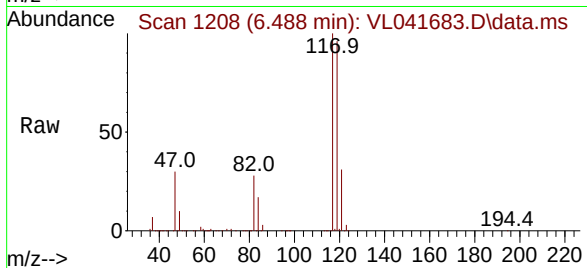
Tgt Ion:117 Resp: 1799316

Ion Ratio Lower Upper

117 100

119 95.8 77.2 115.8

121 31.2 25.0 37.4



#36

Benzene

Concen: 10.153 ppbv

RT: 6.365 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

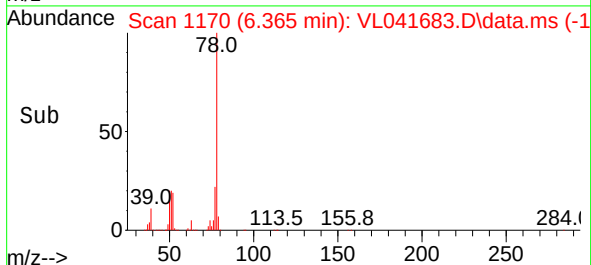
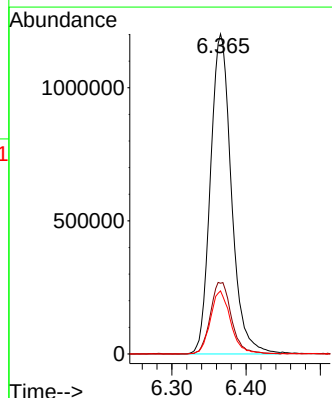
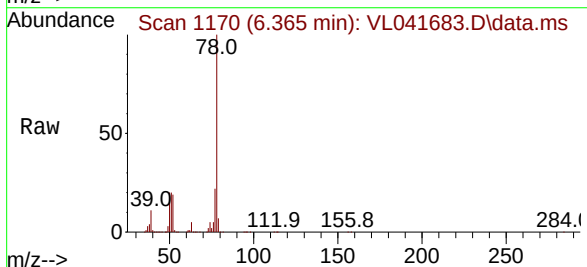
Tgt Ion: 78 Resp: 2351635

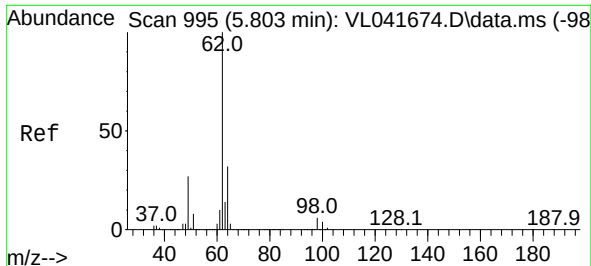
Ion Ratio Lower Upper

78 100

77 22.1 18.5 27.7

50 19.7 15.6 23.4

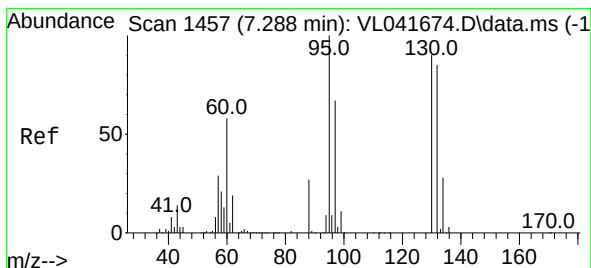
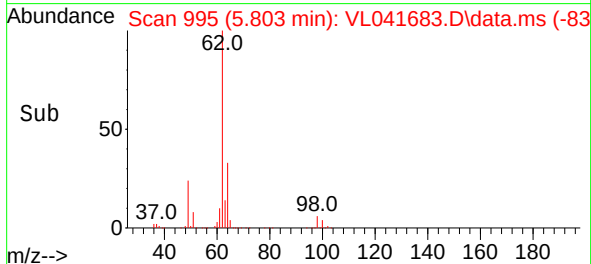
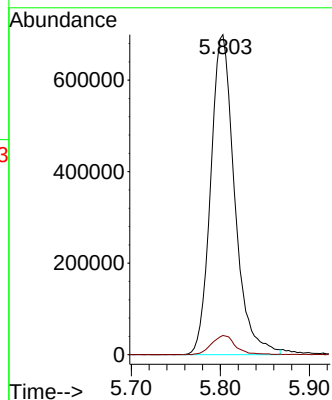
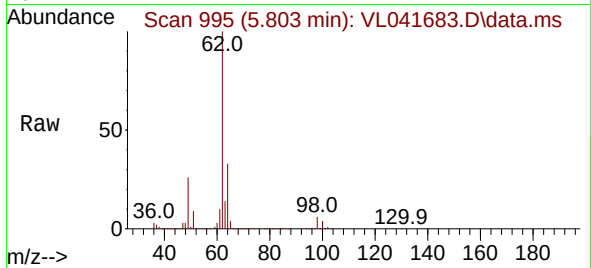




#37  
1,2-Dichloroethane  
Concen: 9.990 ppbv  
RT: 5.803 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

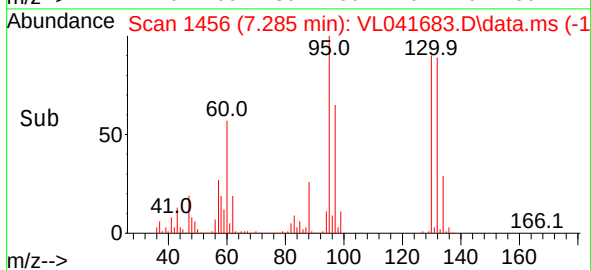
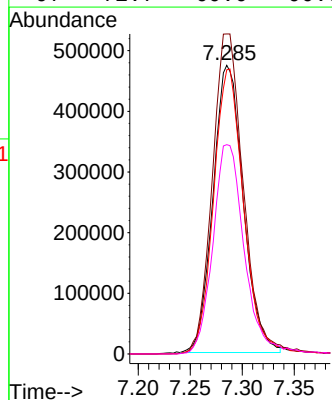
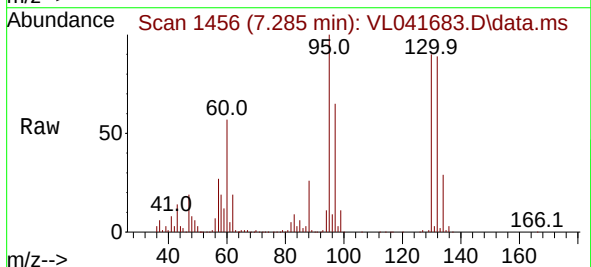
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

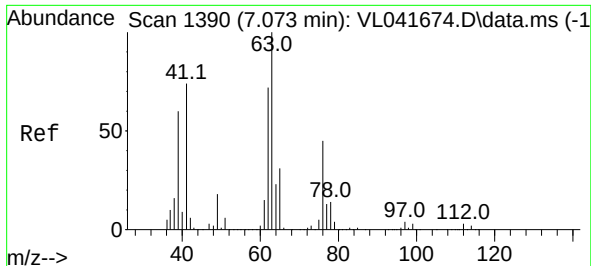
Tgt Ion: 62 Resp: 1305458  
Ion Ratio Lower Upper  
62 100  
98 6.2 5.2 7.8



#38  
Trichloroethene  
Concen: 10.773 ppbv  
RT: 7.285 min Scan# 1456  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion:130 Resp: 958369  
Ion Ratio Lower Upper  
130 100  
95 111.1 89.1 133.7  
132 98.8 75.7 113.5  
97 72.7 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.035 ppbv

RT: 7.070 min Scan# 1390

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

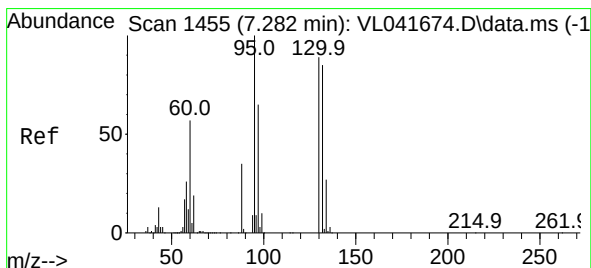
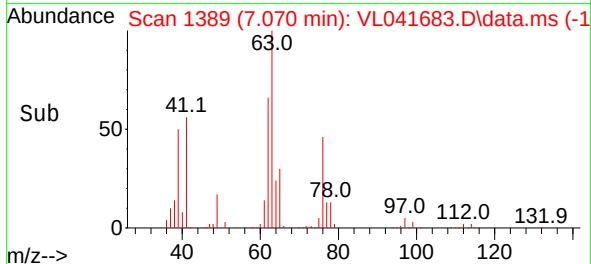
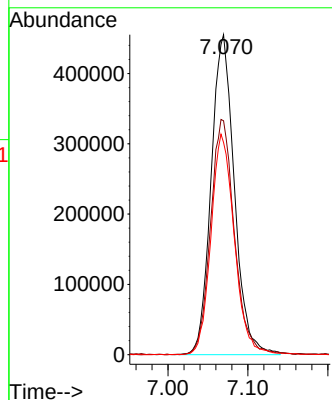
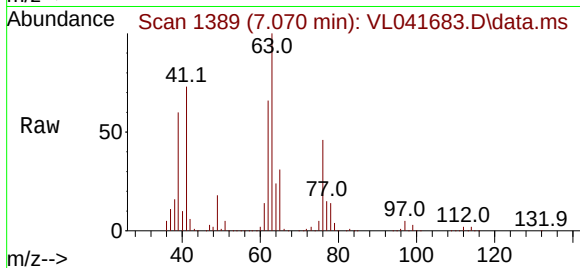
Tgt Ion: 63 Resp: 918548

Ion Ratio Lower Upper

63 100

41 72.9 59.1 88.7

62 66.2 57.7 86.5



#40

1,4-Dioxane

Concen: 9.322 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Tgt Ion: 88 Resp: 306141

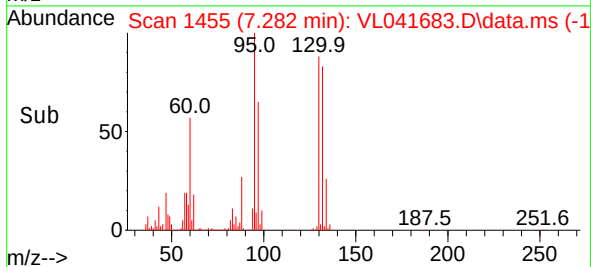
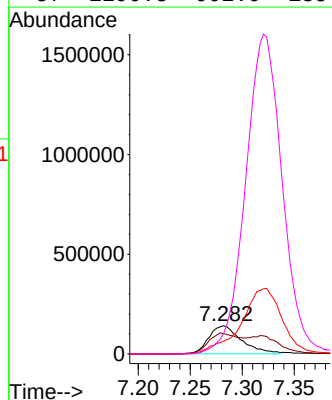
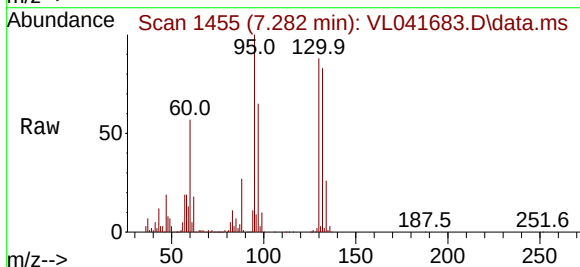
Ion Ratio Lower Upper

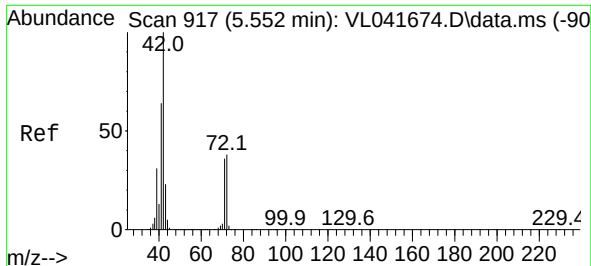
88 100

58 135.3 101.4 152.2

43 297.4 208.0 312.0

57 1290.8 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.478 ppbv

RT: 5.549 min Scan# 916

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

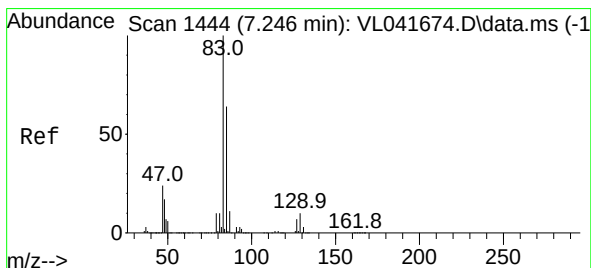
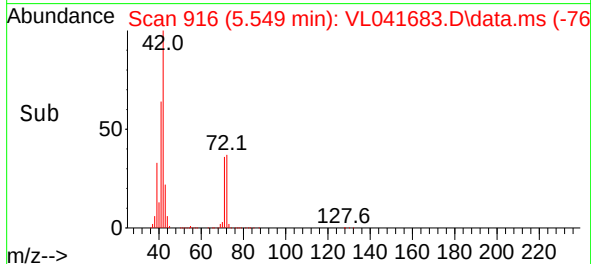
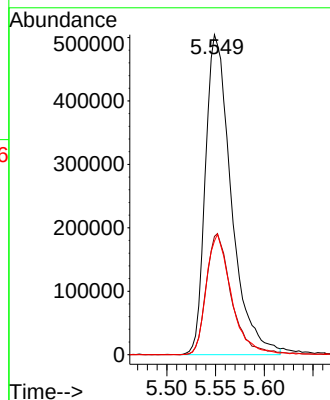
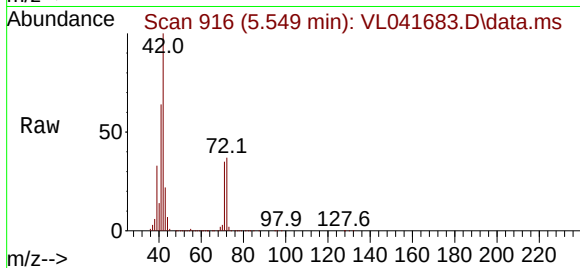
Tgt Ion: 42 Resp: 931440

Ion Ratio Lower Upper

42 100

72 37.5 29.8 44.6

71 36.9 29.4 44.2



#42

Bromodichloromethane

Concen: 10.262 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

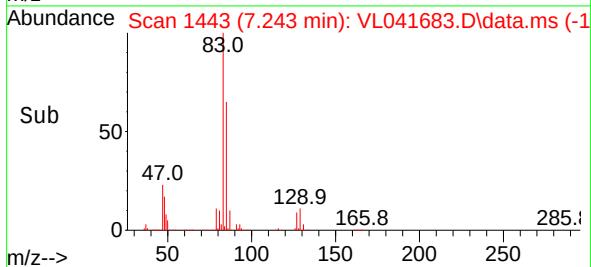
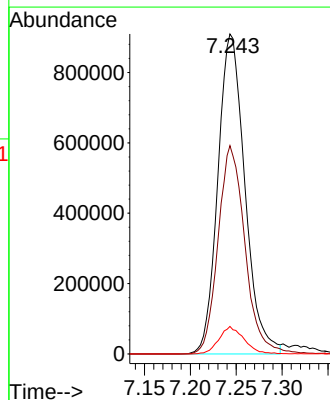
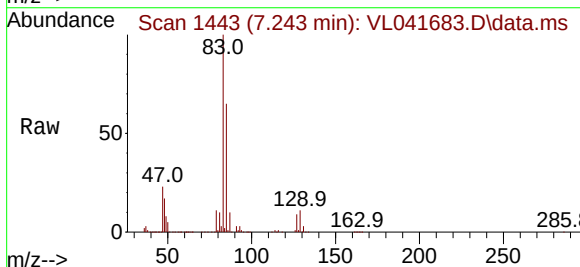
Tgt Ion: 83 Resp: 1863473

Ion Ratio Lower Upper

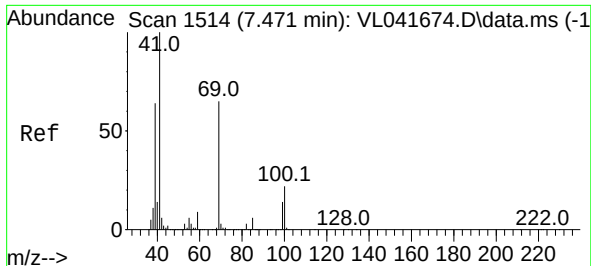
83 100

85 65.1 51.2 76.8

127 8.6 6.0 9.0







#43

Methyl Methacrylate

Concen: 11.480 ppbv

RT: 7.468 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_1

ClientSampleId :

VL1107ABS01

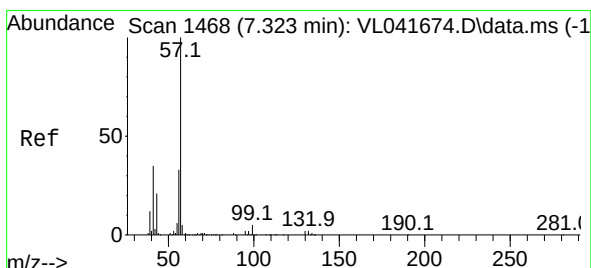
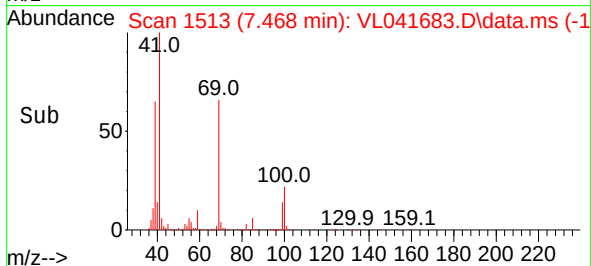
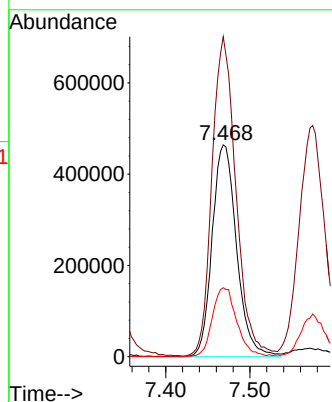
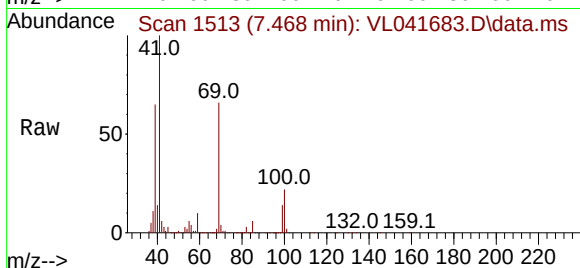
Tgt Ion: 69 Resp: 933637

Ion Ratio Lower Upper

69 100

41 147.6 119.8 179.6

100 32.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 10.067 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

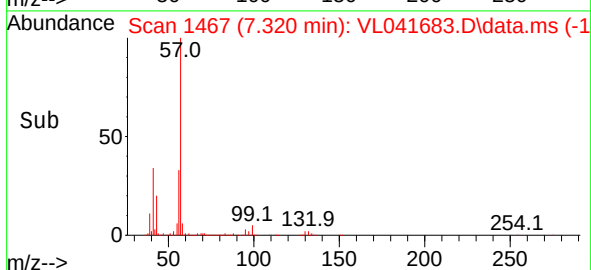
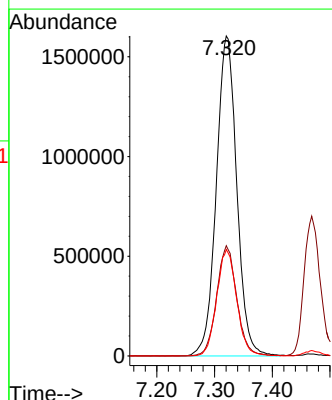
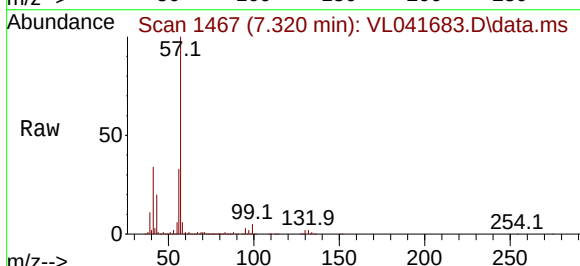
Tgt Ion: 57 Resp: 3949724

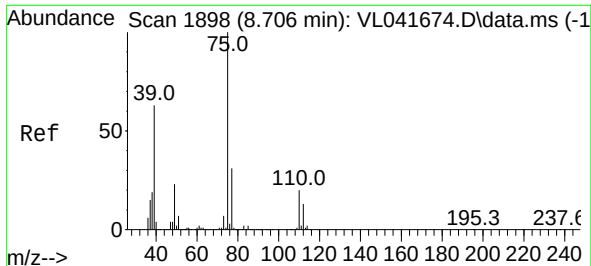
Ion Ratio Lower Upper

57 100

41 33.8 27.0 40.6

56 32.4 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 11.848 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

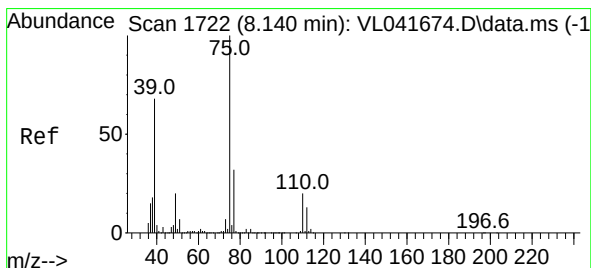
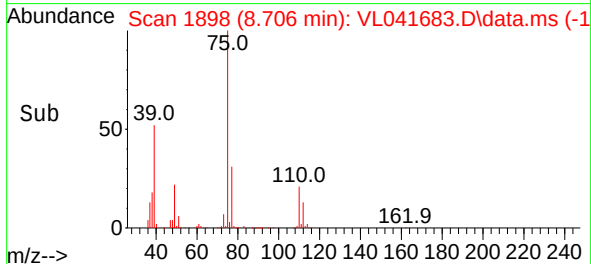
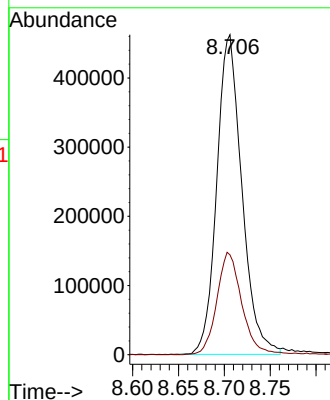
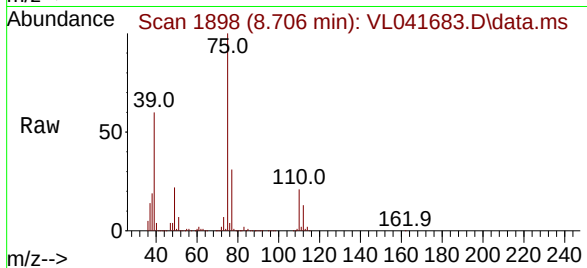
VL1107ABS01

Tgt Ion: 75 Resp: 880458

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.515 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

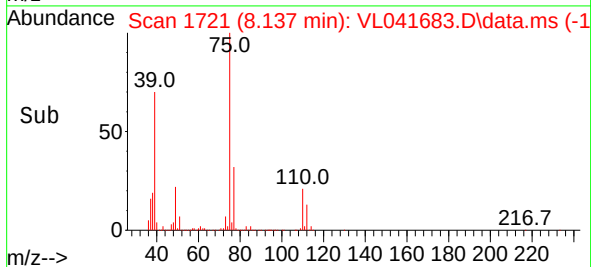
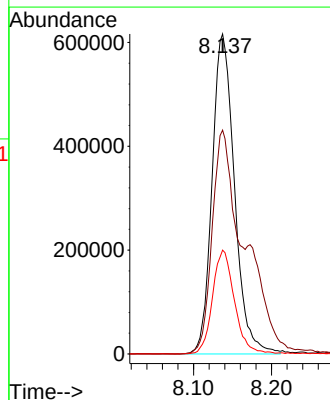
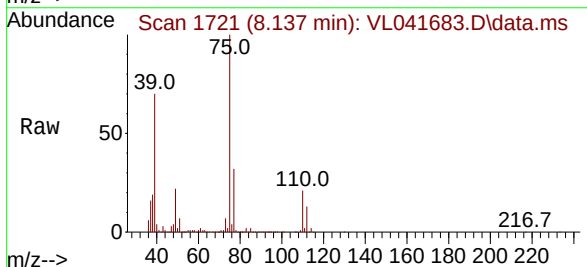
Tgt Ion: 75 Resp: 1229071

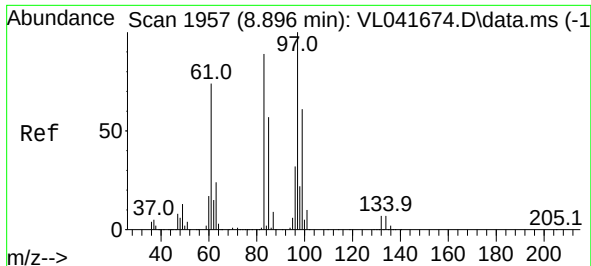
Ion Ratio Lower Upper

75 100

39 69.9 54.1 81.1

77 32.5 25.3 37.9

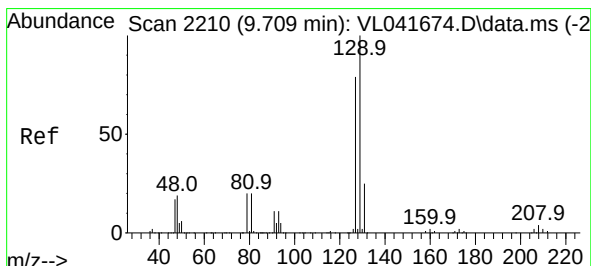
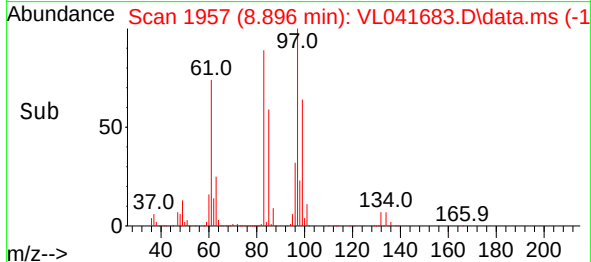
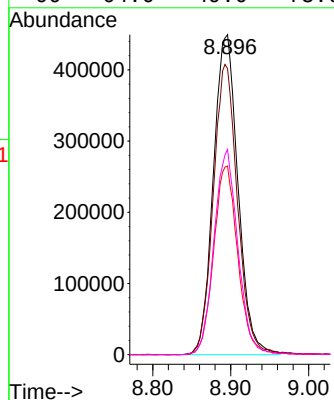
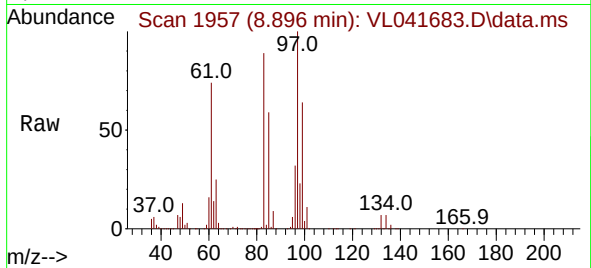




#47  
1,1,2-Trichloroethane  
Concen: 9.970 ppbv  
RT: 8.896 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

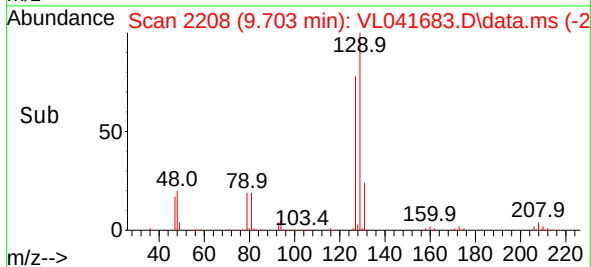
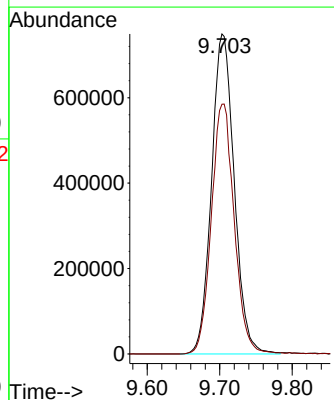
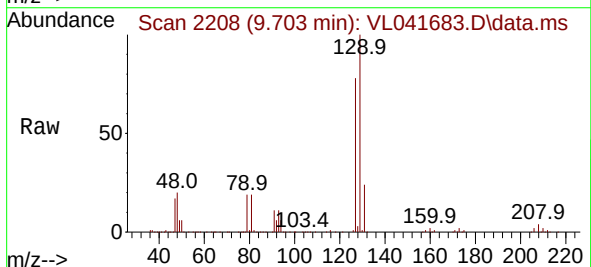
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

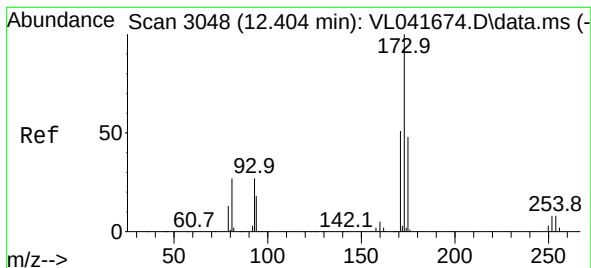
Tgt Ion: 97 Resp: 987685  
Ion Ratio Lower Upper  
97 100  
83 89.4 71.0 106.6  
85 58.9 45.4 68.2  
99 64.0 49.0 73.6



#48  
Dibromochloromethane  
Concen: 10.826 ppbv  
RT: 9.703 min Scan# 2208  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 129 Resp: 1630376  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.1 117.2





#49

Bromoform

Concen: 11.297 ppbv

RT: 12.401 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

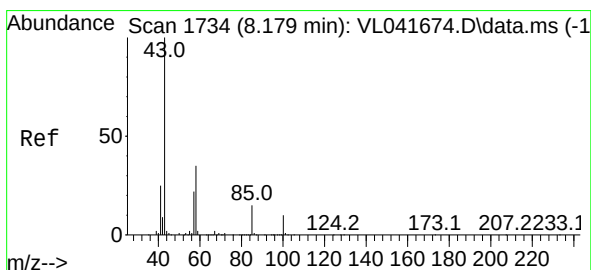
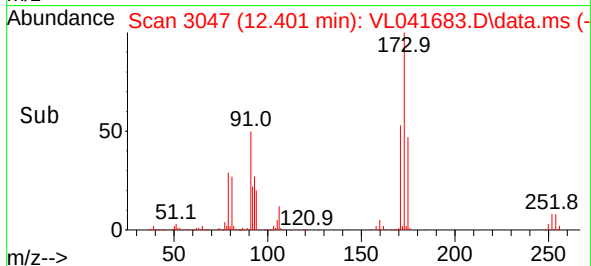
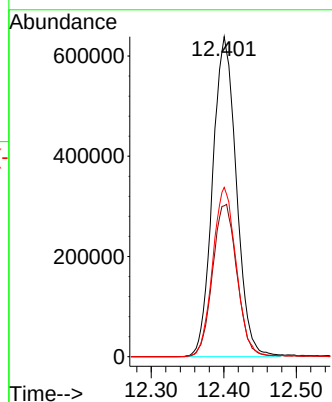
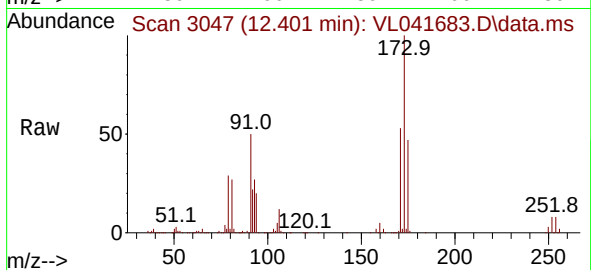
Tgt Ion:173 Resp: 1455608

Ion Ratio Lower Upper

173 100

175 49.2 39.2 58.8

171 53.0 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.762 ppbv

RT: 8.176 min Scan# 1733

Delta R.T. -0.003 min

Lab File: VL041683.D

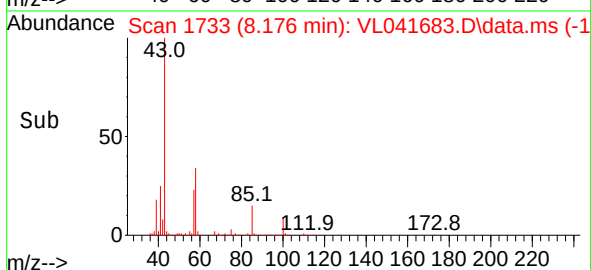
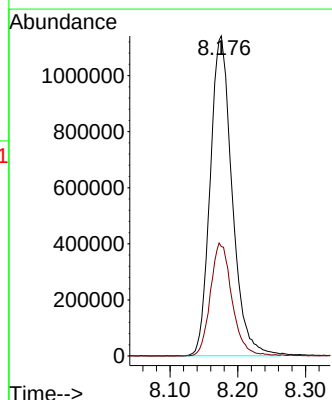
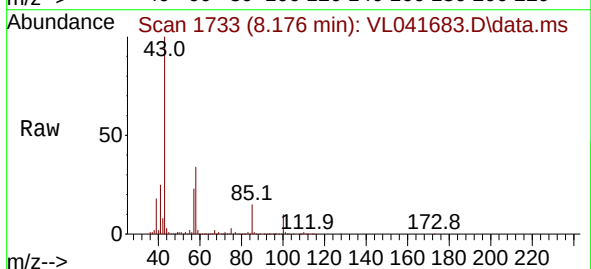
Acq: 7 Nov 2024 18:24

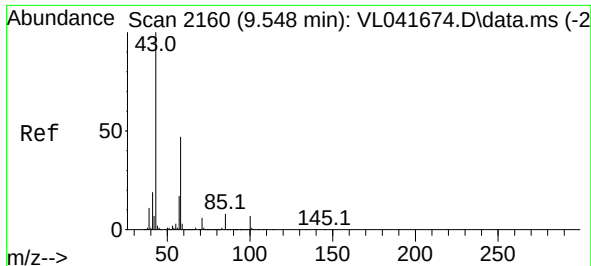
Tgt Ion: 43 Resp: 2571671

Ion Ratio Lower Upper

43 100

58 34.9 27.7 41.5

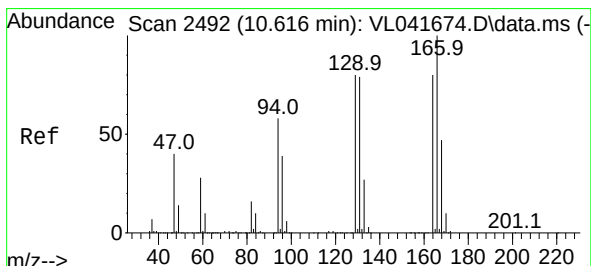
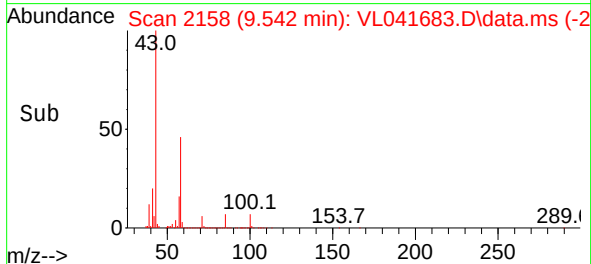
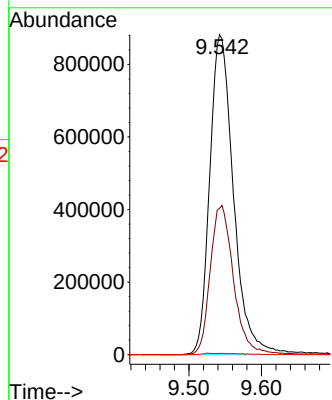
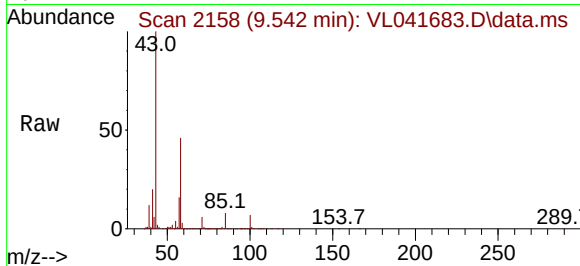




#51  
2-Hexanone  
Concen: 11.483 ppbv  
RT: 9.542 min Scan# 2160  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

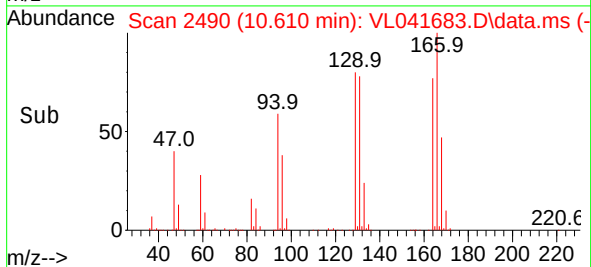
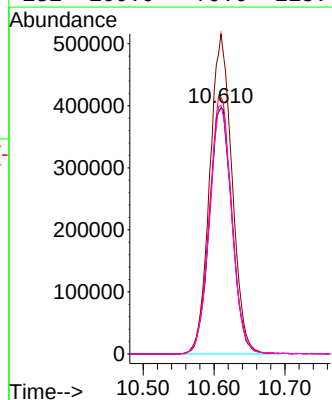
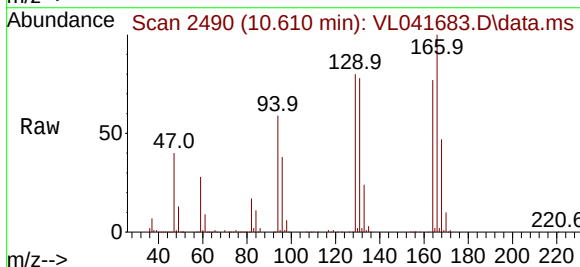
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

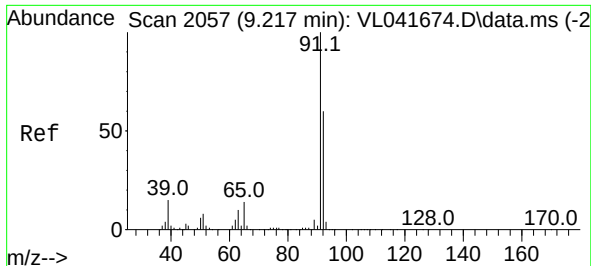
Tgt Ion: 43 Resp: 1998257  
Ion Ratio Lower Upper  
43 100  
58 46.3 37.0 55.6  
98 0.7 0.6 0.8



#52  
Tetrachloroethene  
Concen: 11.136 ppbv  
RT: 10.610 min Scan# 2490  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 164 Resp: 879019  
Ion Ratio Lower Upper  
164 100  
166 129.8 100.2 150.4  
129 104.0 79.7 119.5  
131 100.9 79.0 118.4

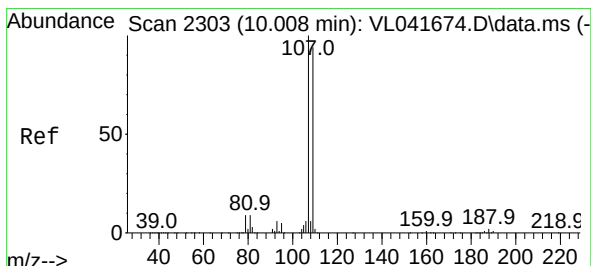
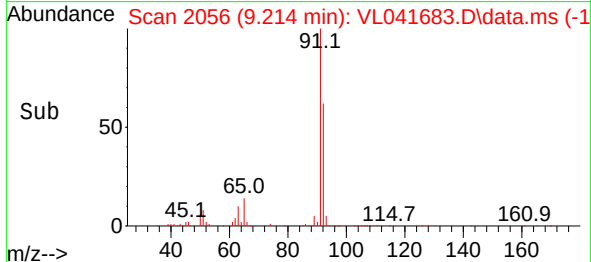
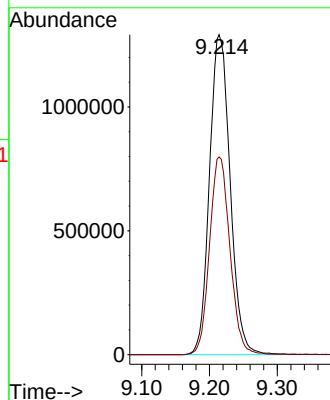
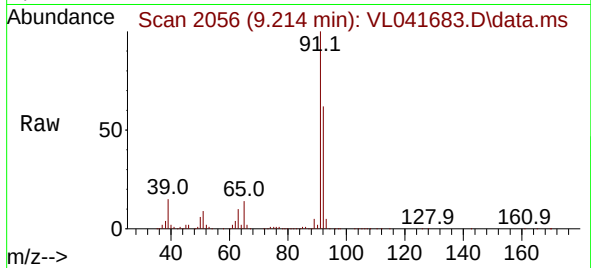




#53  
Toluene  
Concen: 11.231 ppbv  
RT: 9.214 min Scan# 2057  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

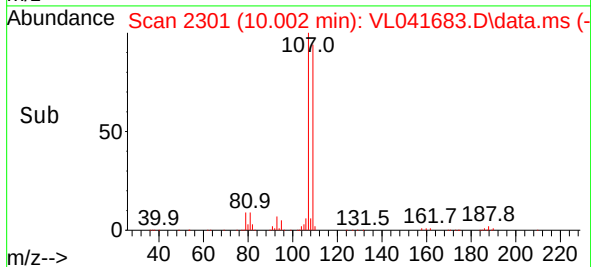
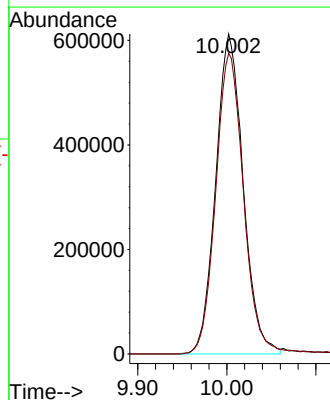
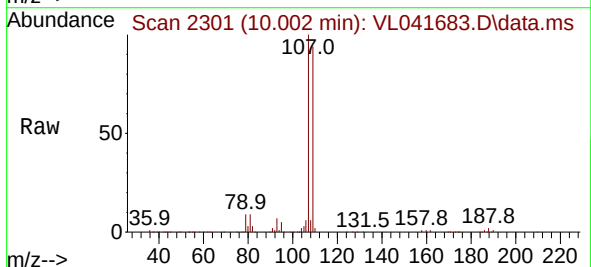
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

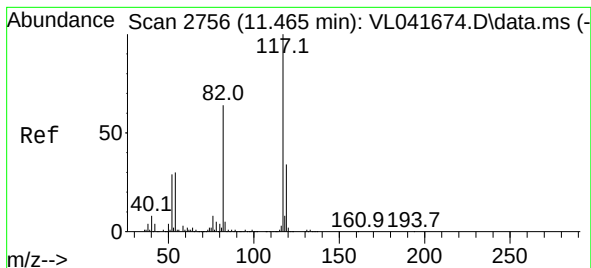
Tgt Ion: 91 Resp: 2735661  
Ion Ratio Lower Upper  
91 100  
92 61.1 49.0 73.4



#54  
1,2-Dibromoethane  
Concen: 11.314 ppbv  
RT: 10.002 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 107 Resp: 1309588  
Ion Ratio Lower Upper  
107 100  
109 94.0 74.9 112.3

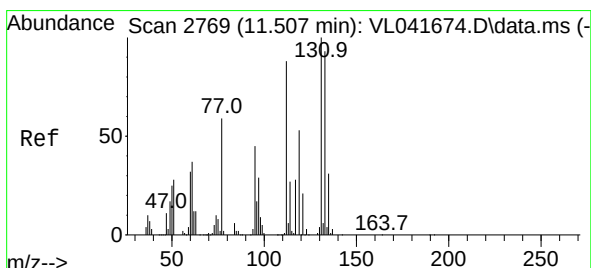
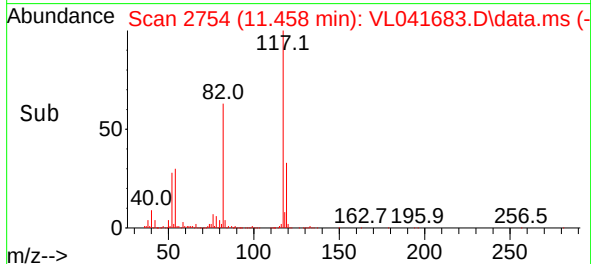
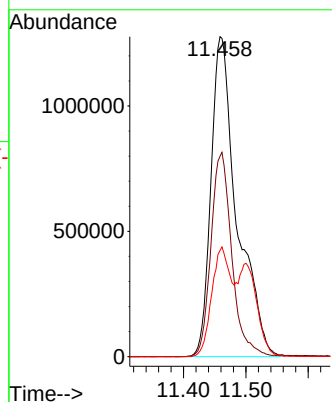
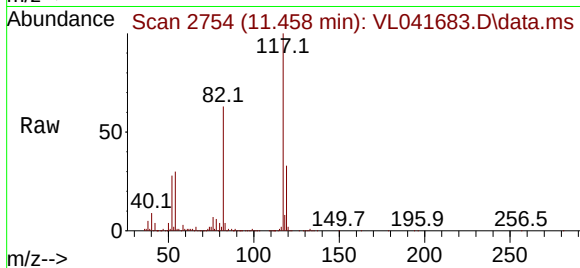




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.458 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

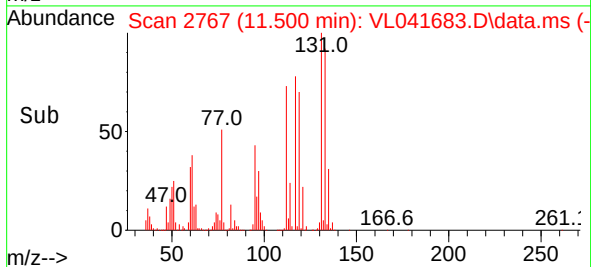
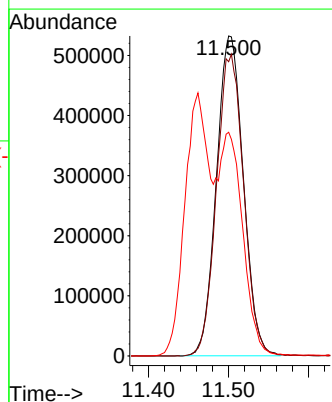
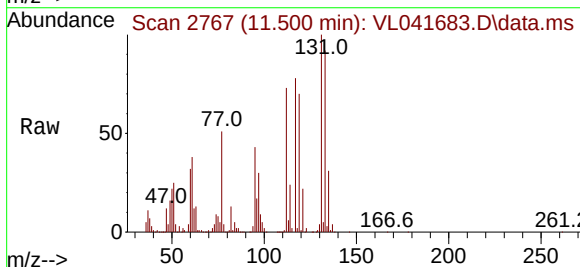
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1107ABS01

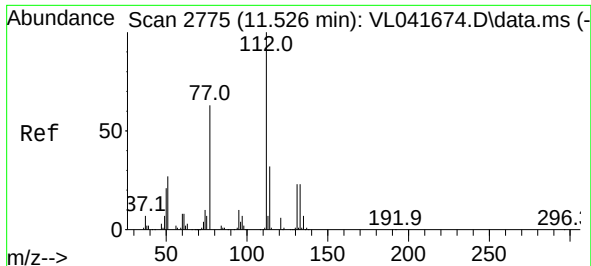
Tgt Ion:117 Resp: 3702394  
Ion Ratio Lower Upper  
117 100  
82 51.4 49.8 74.8  
119 25.2 24.2 36.4



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.144 ppbv  
RT: 11.500 min Scan# 2767  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion:131 Resp: 1243563  
Ion Ratio Lower Upper  
131 100  
133 95.5 76.5 114.7  
119 61.0 49.8 74.8

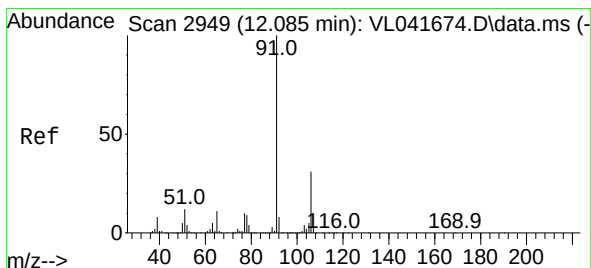
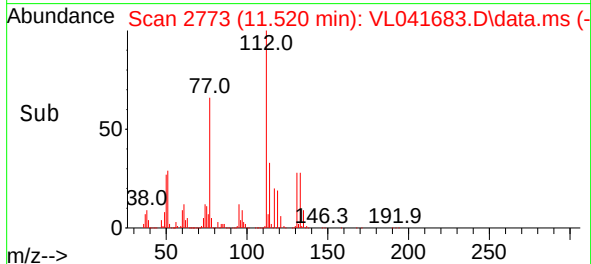
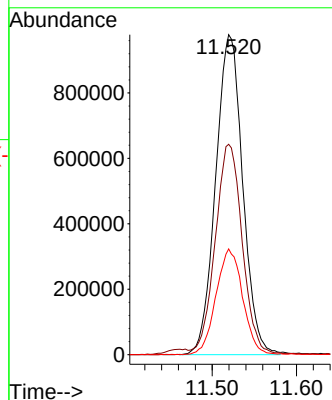
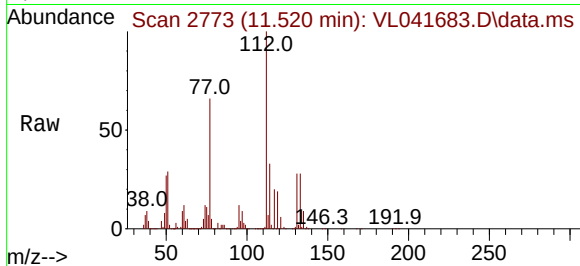




#57  
Chlorobenzene  
Concen: 7.958 ppbv  
RT: 11.520 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

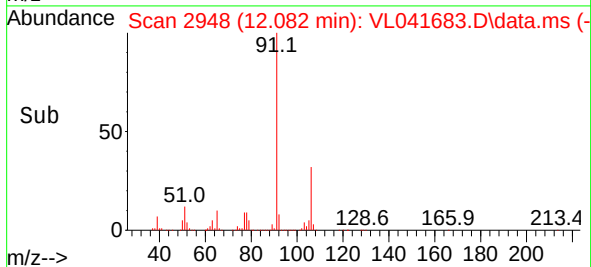
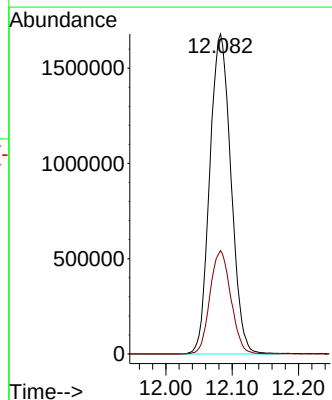
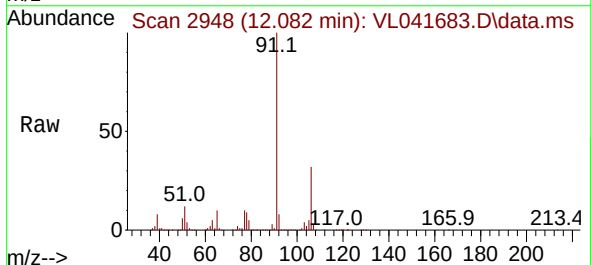
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

Tgt Ion:112 Resp: 2179178  
Ion Ratio Lower Upper  
112 100  
77 65.1 51.4 77.2  
114 32.9 28.4 34.8

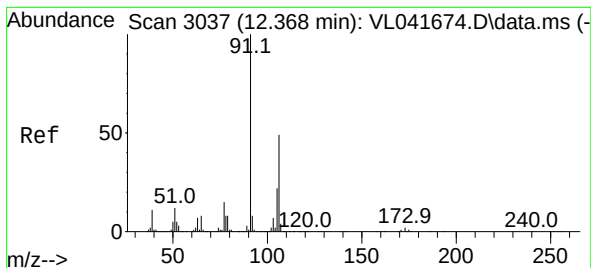


#58  
Ethyl Benzene  
Concen: 9.186 ppbv  
RT: 12.082 min Scan# 2948  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion: 91 Resp: 3728449  
Ion Ratio Lower Upper  
91 100  
106 32.3 24.9 37.3







#59

m/p-Xylene

Concen: 9.147 ppbv

RT: 12.365 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_1

ClientSampleId :

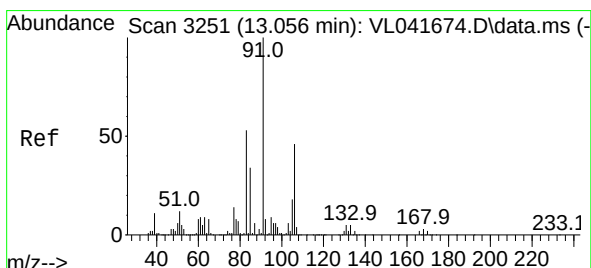
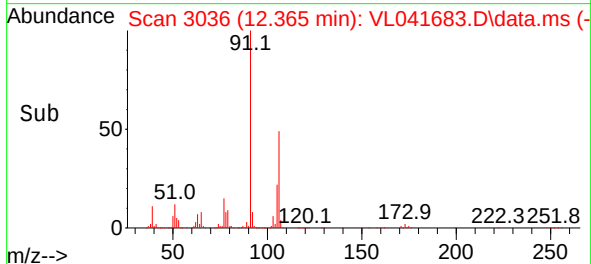
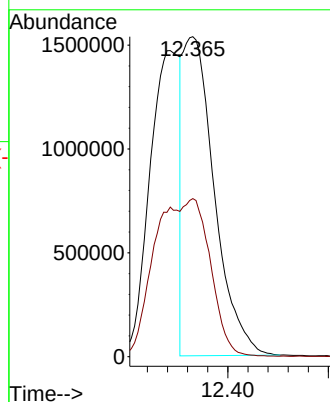
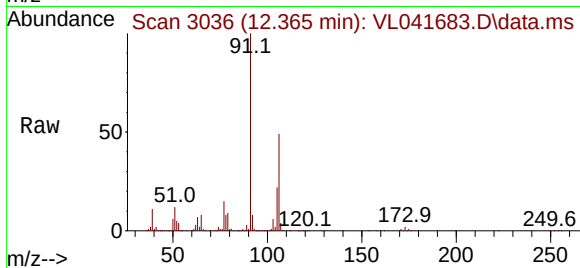
VL1107ABS01

Tgt Ion: 91 Resp: 3324650

Ion Ratio Lower Upper

91 100

106 88.1 36.9 55.3#



#60

o-Xylene

Concen: 8.837 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041683.D

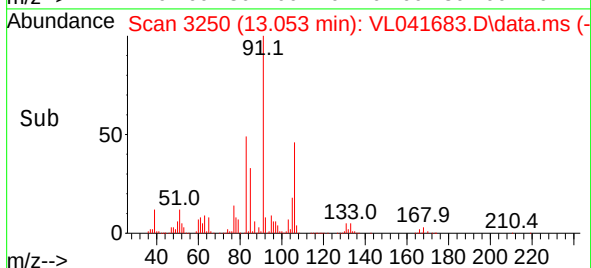
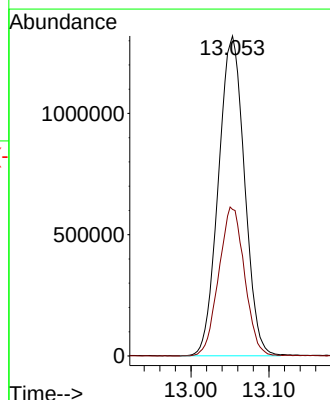
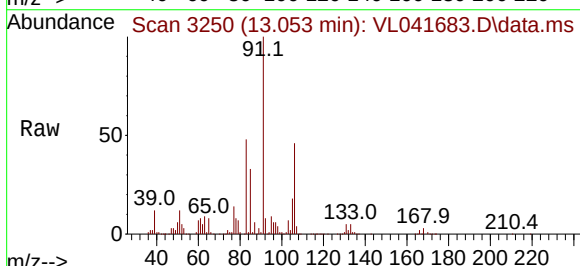
Acq: 7 Nov 2024 18:24

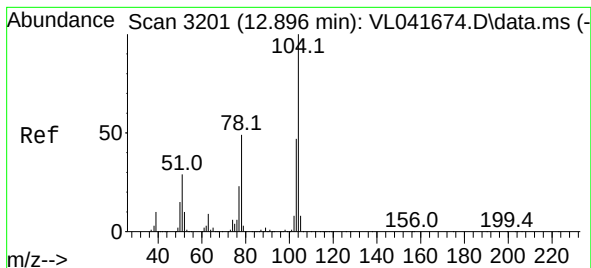
Tgt Ion: 91 Resp: 3062960

Ion Ratio Lower Upper

91 100

106 46.4 23.2 69.6

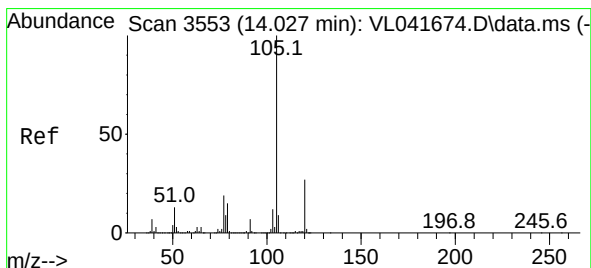
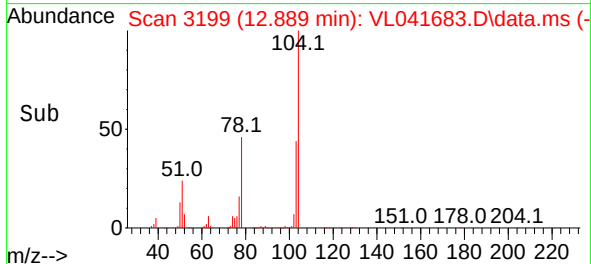
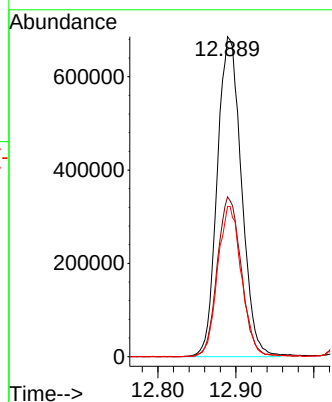
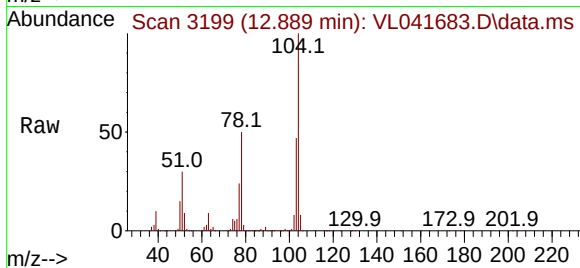




#61  
Styrene  
Concen: 10.359 ppbv  
RT: 12.889 min Scan# 3199  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

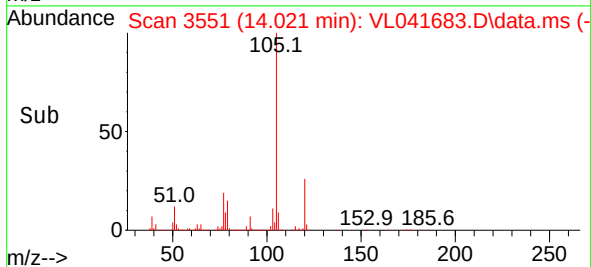
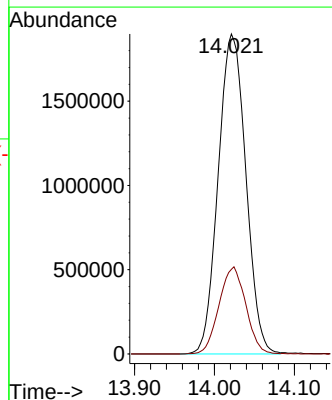
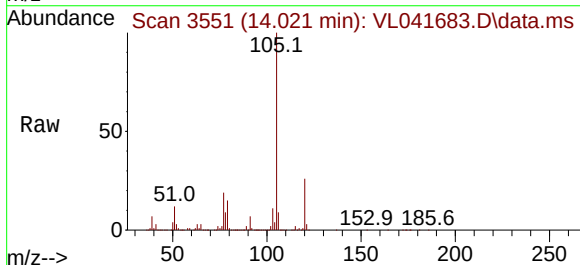
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

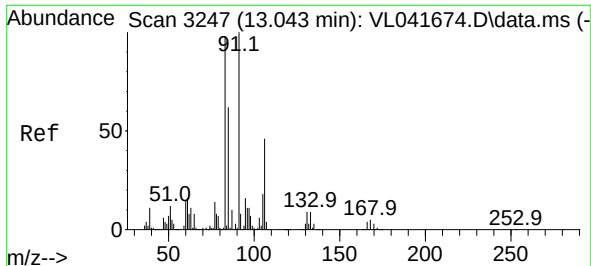
Tgt Ion:104 Resp: 1481910  
Ion Ratio Lower Upper  
104 100  
78 49.6 39.8 59.8  
103 46.5 37.4 56.0



#62  
Isopropylbenzene  
Concen: 8.515 ppbv  
RT: 14.021 min Scan# 3551  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion:105 Resp: 4558228  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.1 31.7

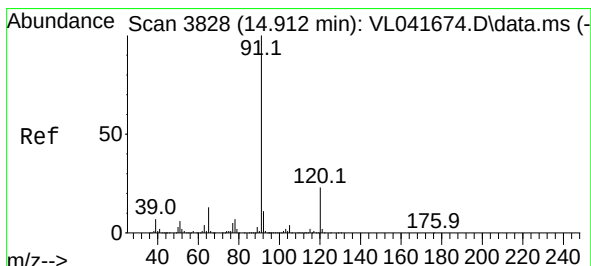
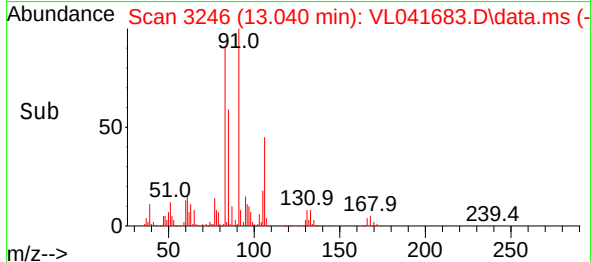
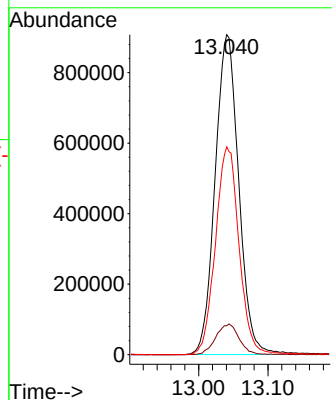
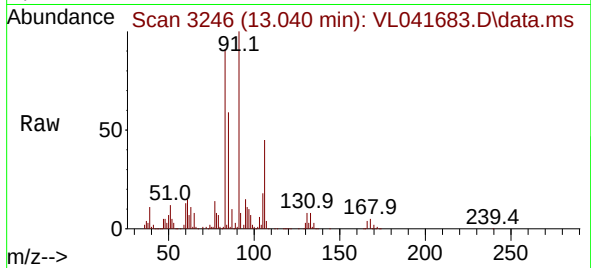




#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.422 ppbv  
RT: 13.040 min Scan# 3247  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

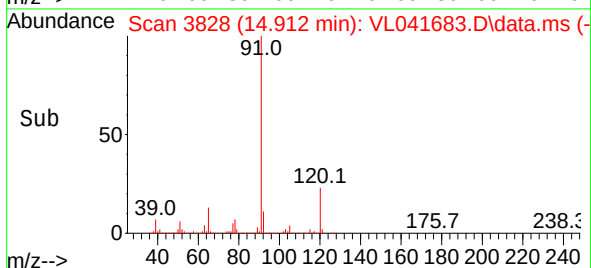
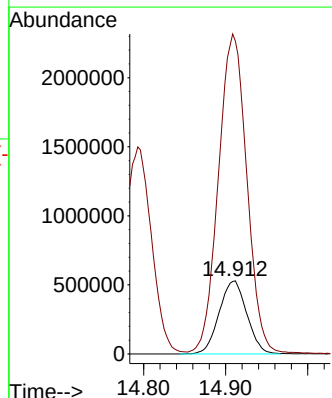
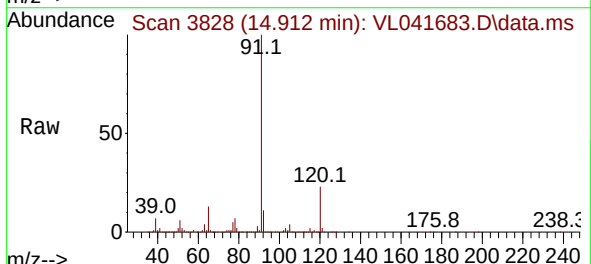
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1107ABS01

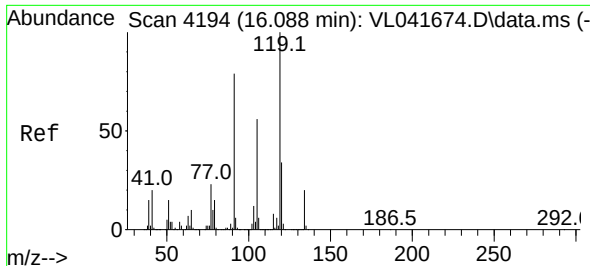
Tgt Ion: 83 Resp: 2147383  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.3  
85 65.3 32.6 98.0



#64  
n-propylbenzene  
Concen: 8.862 ppbv  
RT: 14.912 min Scan# 3828  
Delta R.T. 0.000 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion:120 Resp: 1241910  
Ion Ratio Lower Upper  
120 100  
91 452.2 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.514 ppbv

RT: 16.082 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

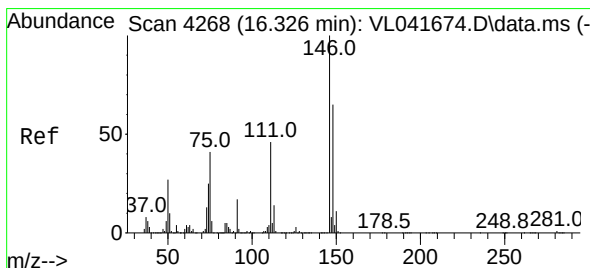
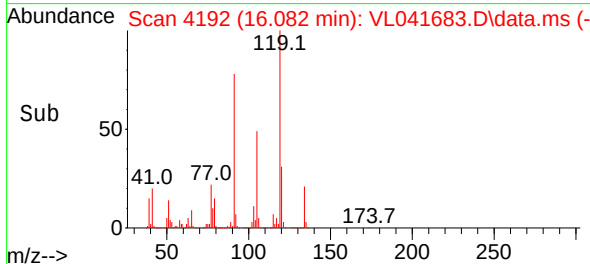
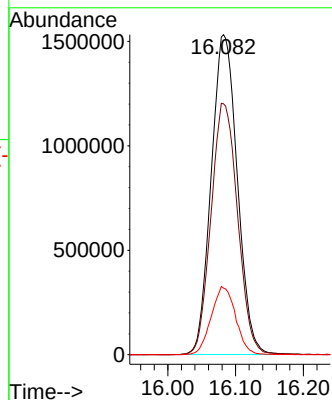
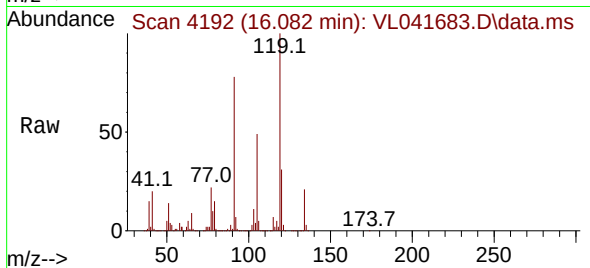
Tgt Ion:119 Resp: 4096195

Ion Ratio Lower Upper

119 100

91 80.2 64.3 96.5

134 20.0 15.8 23.8



#66

Benzyl Chloride

Concen: 9.602 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. -0.006 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

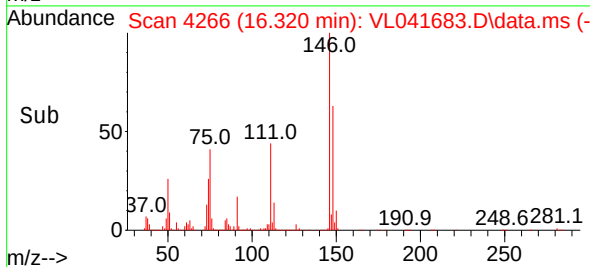
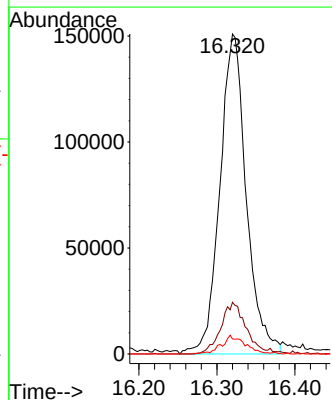
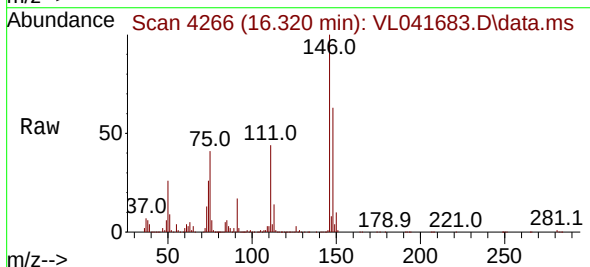
Tgt Ion: 91 Resp: 355379

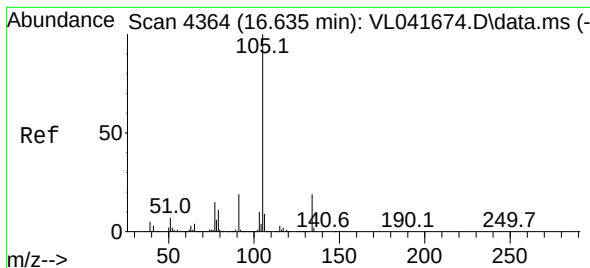
Ion Ratio Lower Upper

91 100

126 16.0 13.8 20.6

128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.545 ppbv

RT: 16.629 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

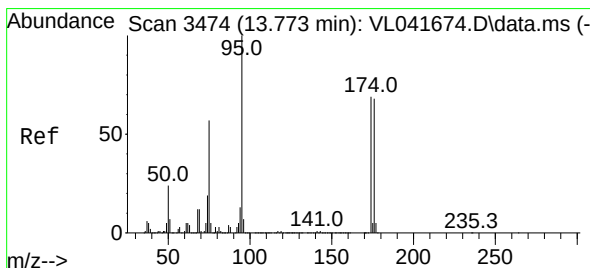
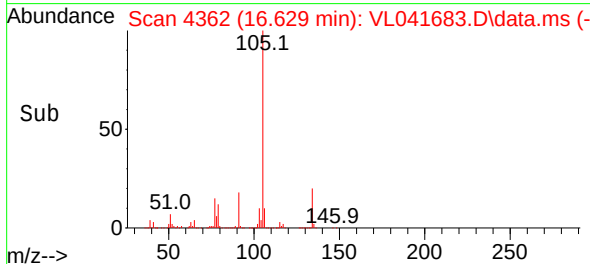
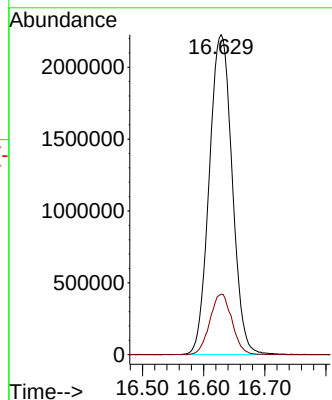
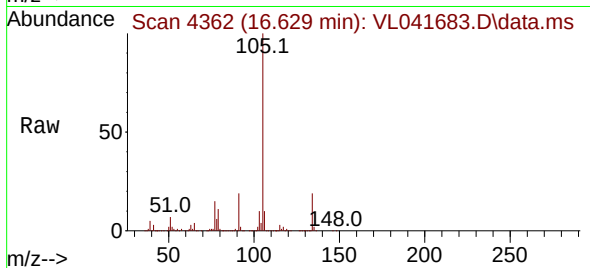
VL1107ABS01

Tgt Ion:105 Resp: 5794246

Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.432 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

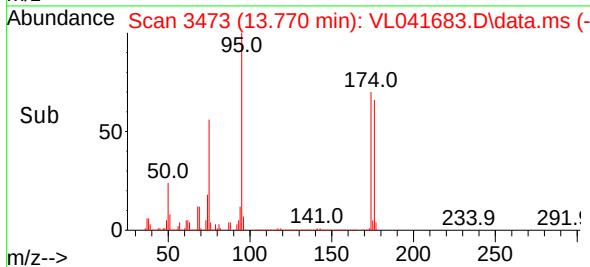
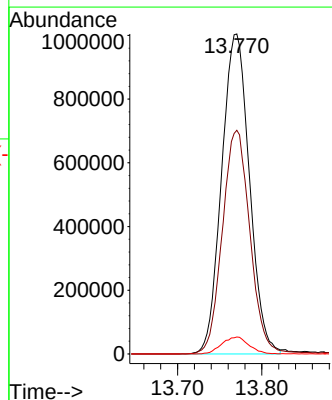
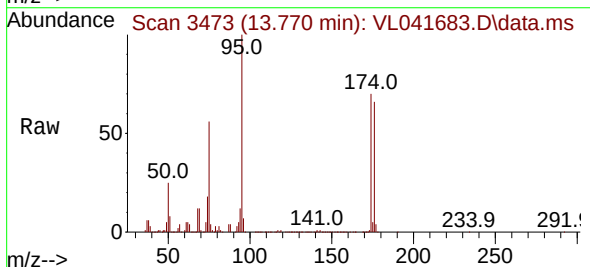
Tgt Ion: 95 Resp: 2300291

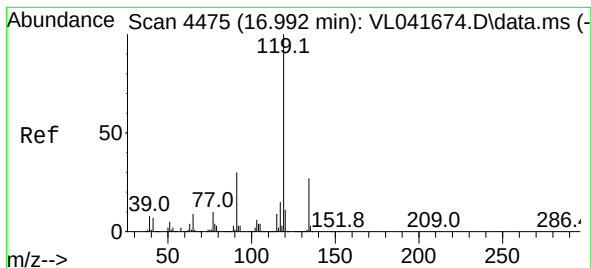
Ion Ratio Lower Upper

95 100

174 70.0 55.6 83.4

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.821 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

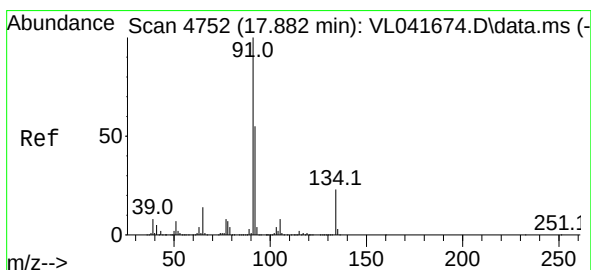
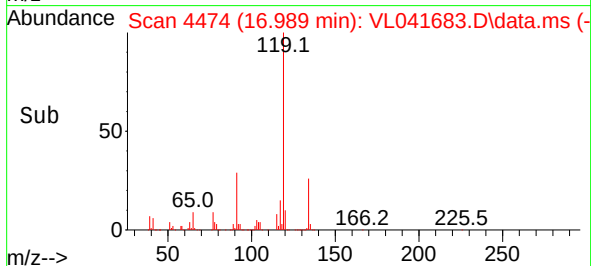
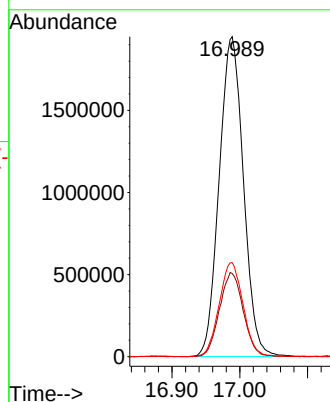
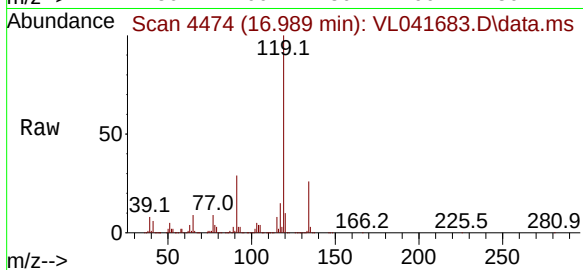
Tgt Ion:119 Resp: 4835968

Ion Ratio Lower Upper

119 100

134 25.9 20.8 31.2

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 8.847 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

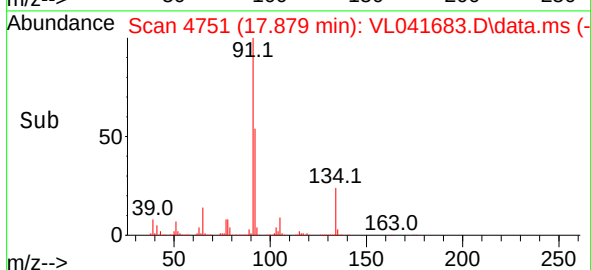
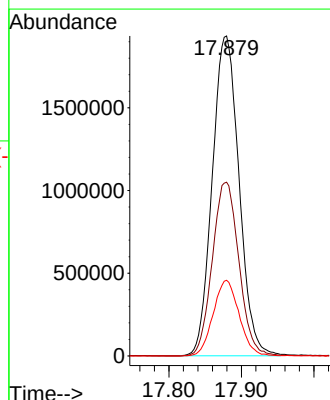
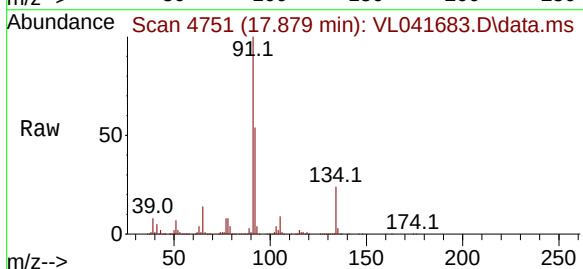
Tgt Ion: 91 Resp: 4962037

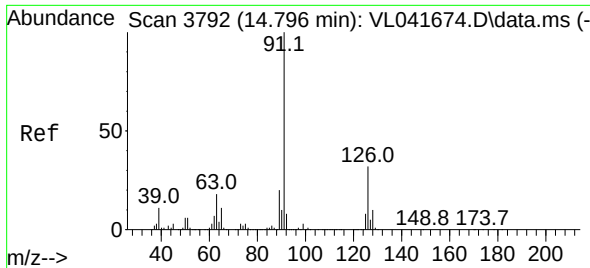
Ion Ratio Lower Upper

91 100

92 54.1 43.3 64.9

134 23.0 18.4 27.6

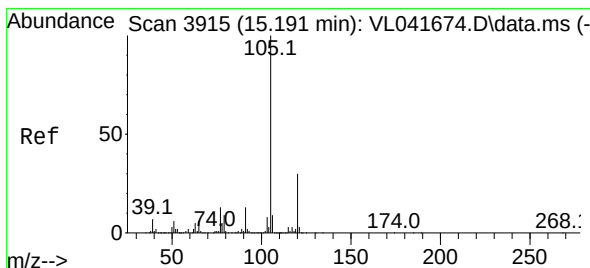
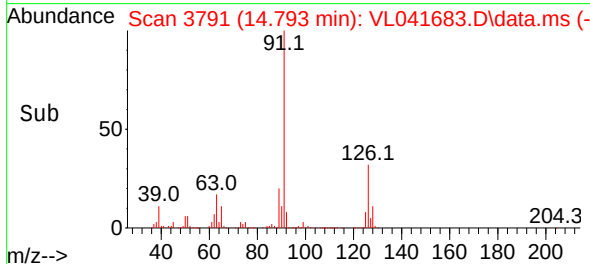
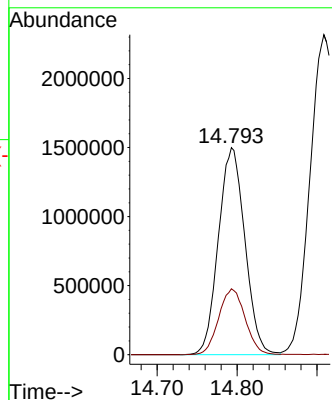
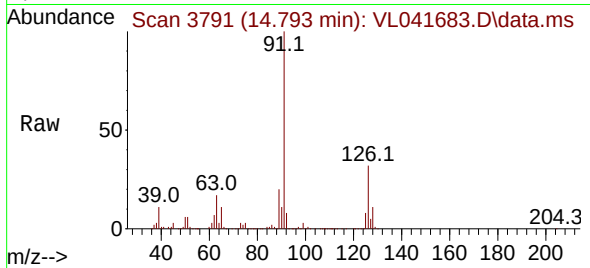




#71  
2-Chlorotoluene  
Concen: 8.905 ppbv  
RT: 14.793 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

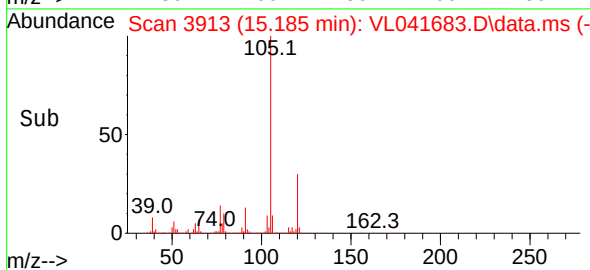
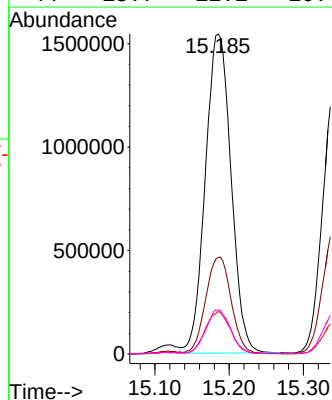
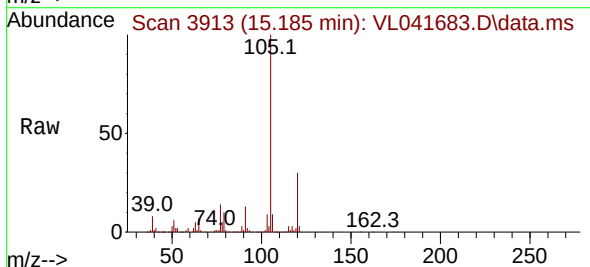
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABS01

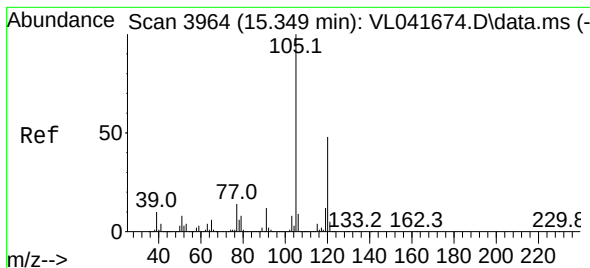
Tgt Ion: 91 Resp: 3445507  
Ion Ratio Lower Upper  
91 100  
126 31.8 12.8 51.0



#72  
4-Ethyltoluene  
Concen: 9.209 ppbv  
RT: 15.185 min Scan# 3913  
Delta R.T. -0.006 min  
Lab File: VL041683.D  
Acq: 7 Nov 2024 18:24

Tgt Ion:105 Resp: 3711135  
Ion Ratio Lower Upper  
105 100  
120 30.3 25.0 37.4  
91 12.9 10.6 15.8  
77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.988 ppbv

RT: 15.343 min Scan# 3962

Delta R.T. -0.006 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_1

ClientSampleId :

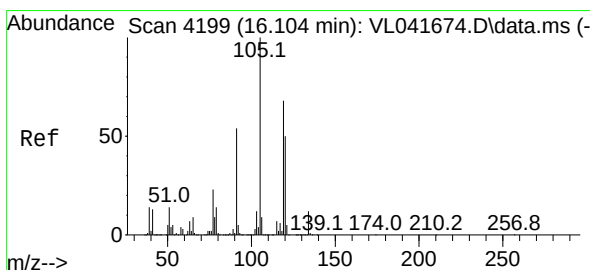
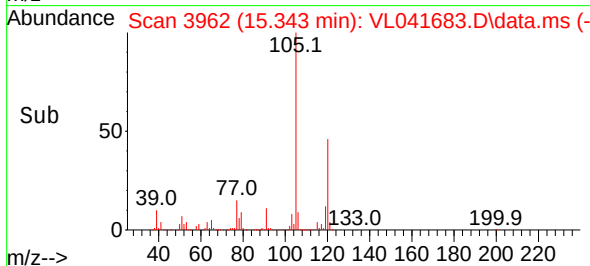
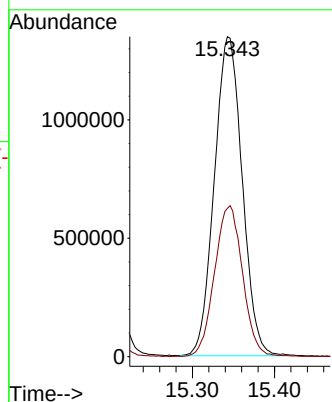
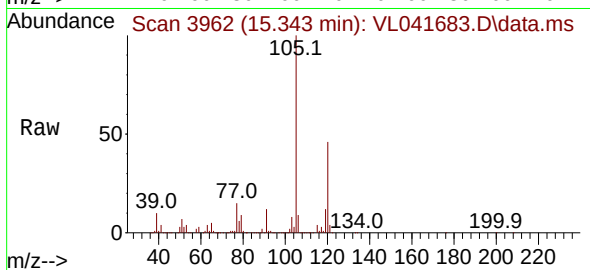
VL1107ABS01

Tgt Ion:105 Resp: 3178195

Ion Ratio Lower Upper

105 100

120 46.4 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.572 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Tgt Ion:105 Resp: 3520719

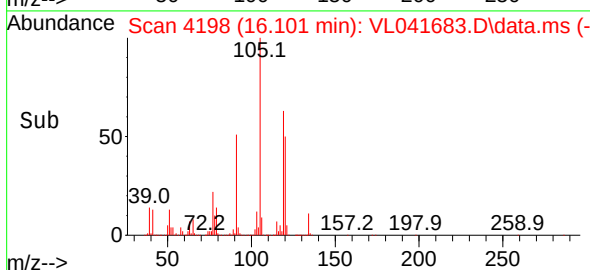
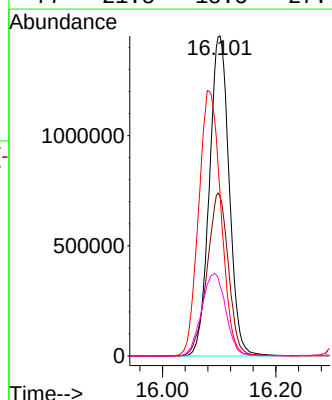
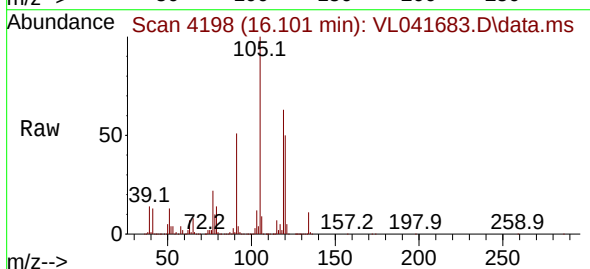
Ion Ratio Lower Upper

105 100

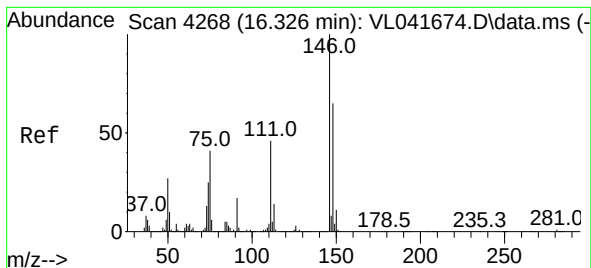
120 49.7 39.8 59.8

91 50.7 43.2 64.8

77 21.8 18.5 27.7







#75

1,3-Dichlorobenzene

Concen: 8.493 ppbv

RT: 16.326 min Scan# 4312

Delta R.T. 0.000 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

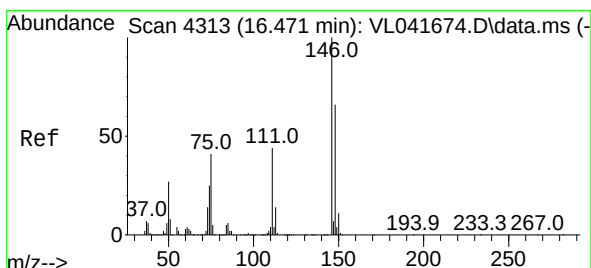
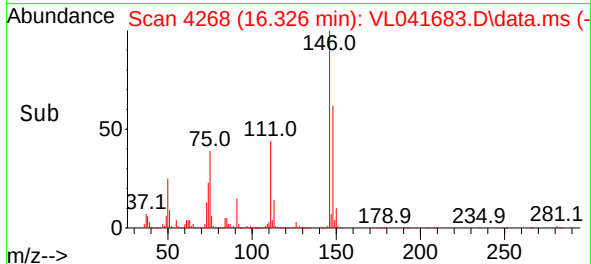
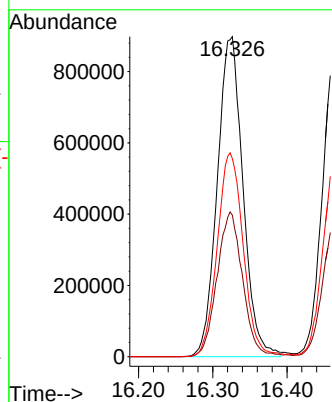
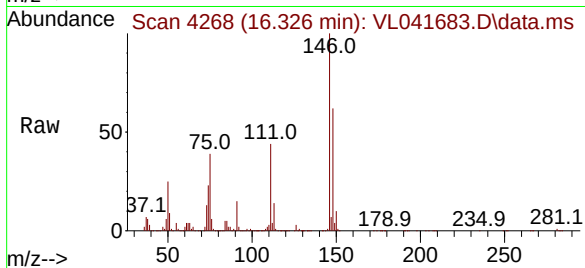
Tgt Ion:146 Resp: 2160341

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

148 64.4 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.461 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

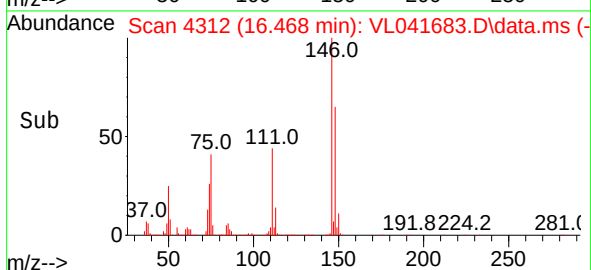
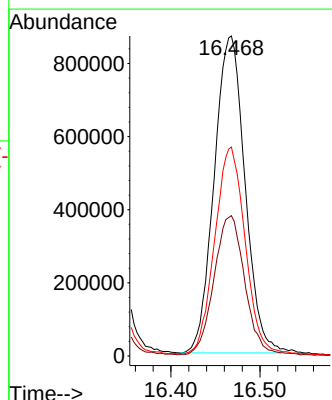
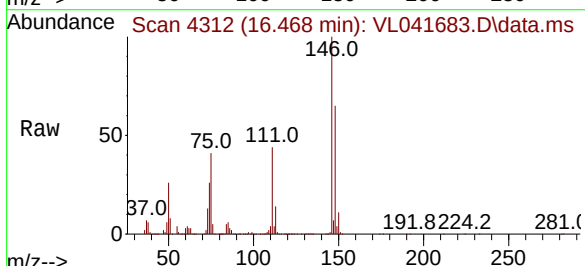
Tgt Ion:146 Resp: 2076558

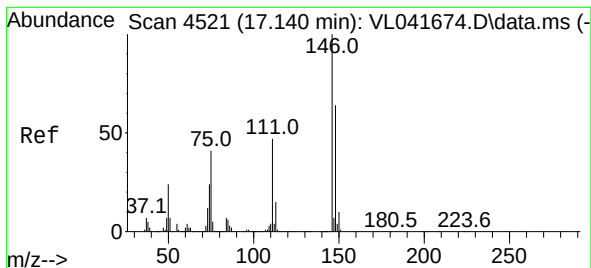
Ion Ratio Lower Upper

146 100

111 45.1 22.1 66.3

148 67.0 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.352 ppbv

RT: 17.137 min Scan# 4521

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

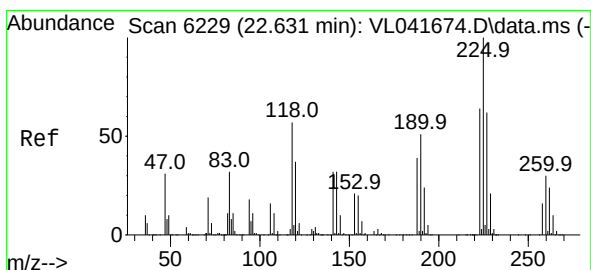
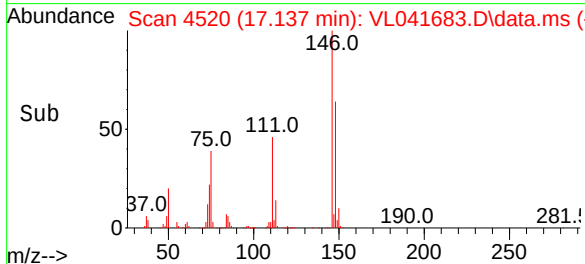
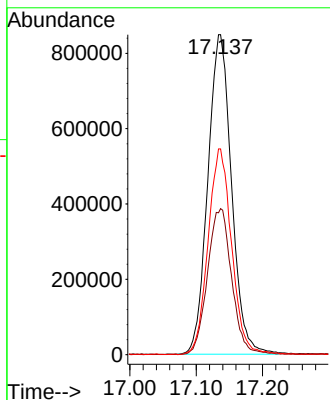
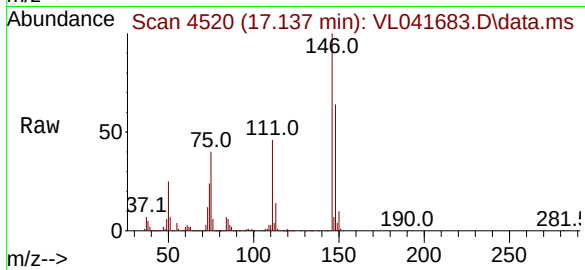
Tgt Ion:146 Resp: 2104681

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.3

148 64.0 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 6.924 ppbv

RT: 22.622 min Scan# 6226

Delta R.T. -0.009 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

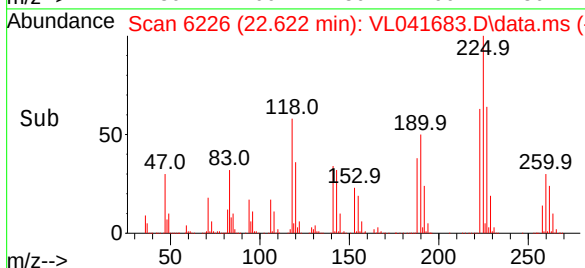
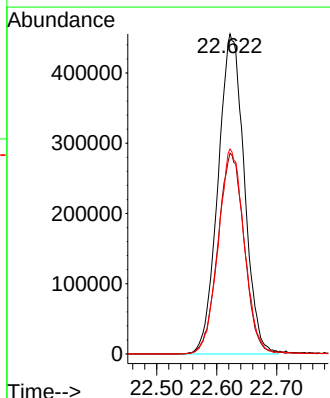
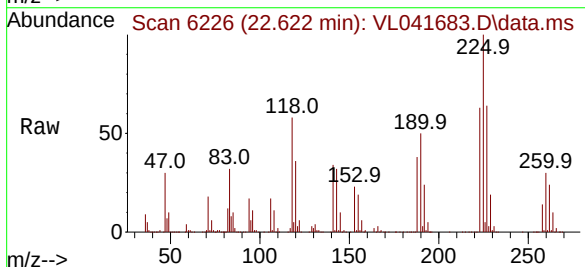
Tgt Ion:225 Resp: 1379912

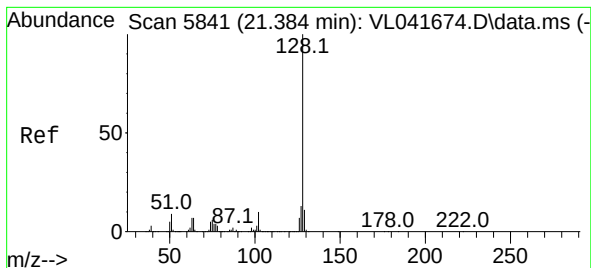
Ion Ratio Lower Upper

225 100

223 63.4 51.1 76.7

227 63.8 51.3 76.9





#79

Naphthalene

Concen: 10.350 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. -0.009 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

Instrument :

MSVOA\_L

ClientSampleId :

VL1107ABS01

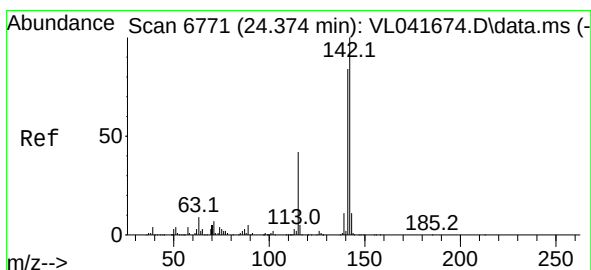
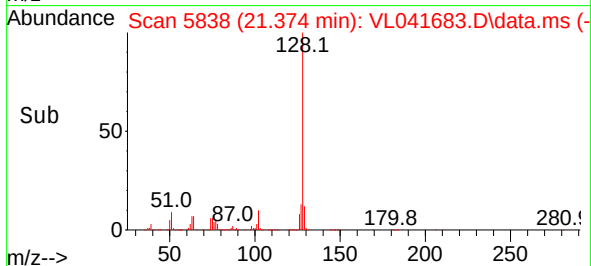
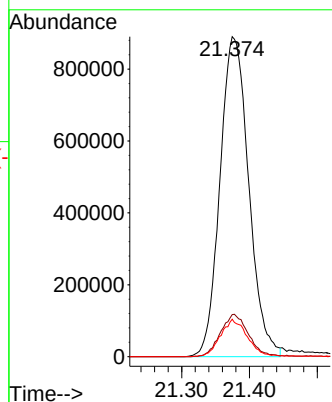
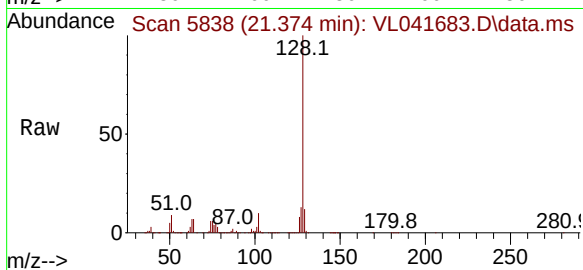
Tgt Ion:128 Resp: 2624137

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.7 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 6.350 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. -0.003 min

Lab File: VL041683.D

Acq: 7 Nov 2024 18:24

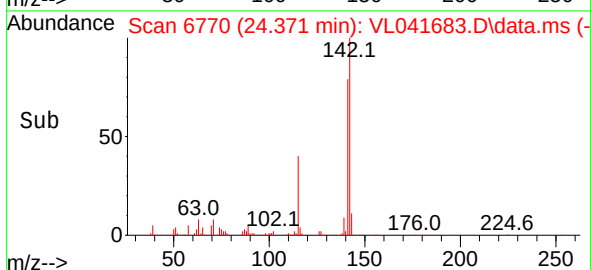
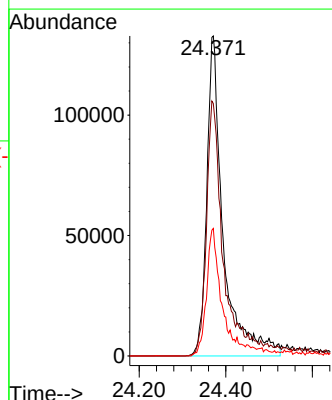
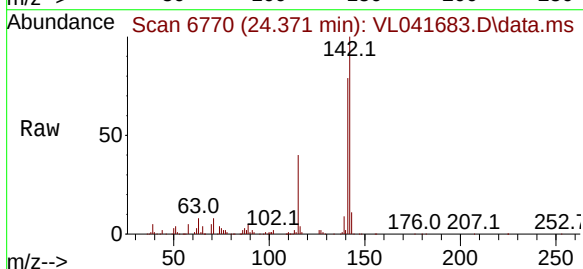
Tgt Ion:142 Resp: 350949

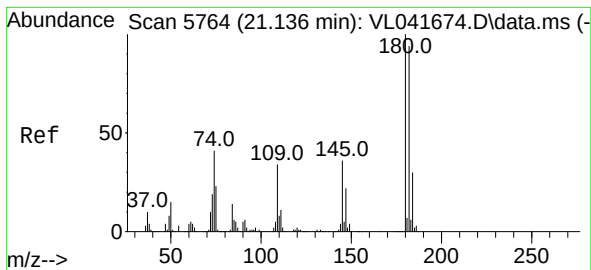
Ion Ratio Lower Upper

142 100

141 80.8 68.1 102.1

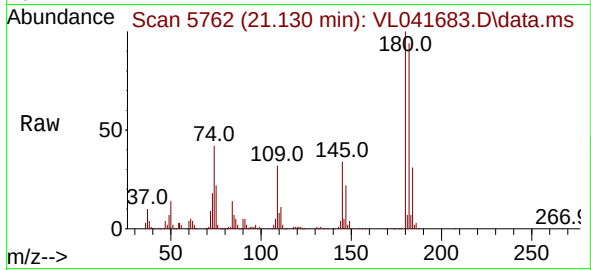
115 39.7 33.1 49.7





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.489 ppbv  
 RT: 21.130 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VL041683.D  
 Acq: 7 Nov 2024 18:24

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1107ABS01



Tgt Ion:180 Resp: 1353417  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.3  | 78.2  | 117.2 |
| 184 | 31.6  | 25.0  | 37.4  |

