

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
 Data File : VL041792.D  
 Acq On : 18 Dec 2024 13:30  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Quant Time: Dec 19 07:53:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 69517    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 175551   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 149982   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 129651 10.373 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

#### Target Compounds

|                               |       |     |      |       | Qvalue |     |
|-------------------------------|-------|-----|------|-------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 5327 | 0.431 | ppbv   | 100 |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 4463 | 0.394 | ppbv # | 90  |
| 4) Chloromethane              | 1.534 | 50  | 2134 | 0.441 | ppbv # | 84  |
| 5) Vinyl Chloride             | 1.580 | 62  | 1990 | 0.408 | ppbv   | 89  |
| 6) Bromomethane               | 1.670 | 94  | 919  | 0.399 | ppbv   | 94  |
| 7) Chloroethane               | 1.706 | 64  | 827  | 0.437 | ppbv   | 88  |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 4376 | 0.395 | ppbv   | 94  |
| 9) Propene                    | 1.486 | 41  | 1567 | 0.319 | ppbv   | 95  |
| 10) Heptane                   | 4.994 | 43  | 795  | 0.063 | ppbv # | 1   |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 5547 | 0.422 | ppbv   | 98  |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 4070 | 0.407 | ppbv   | 98  |
| 13) Ethanol                   | 1.722 | 45  | 428  | 1.052 | ppbv # | 53  |
| 14) Bromoethene               | 1.784 | 108 | 1272 | 0.377 | ppbv # | 93  |
| 15) Acetone                   | 1.839 | 43  | 7254 | 0.536 | ppbv   | 98  |
| 16) 1,3-Butadiene             | 1.609 | 39  | 2343 | 0.440 | ppbv   | 93  |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 5000 | 0.373 | ppbv   | 95  |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 1691 | 0.404 | ppbv # | 69  |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 3774 | 0.465 | ppbv # | 41  |
| 20) Methylene Chloride        | 2.062 | 84  | 2130 | 0.552 | ppbv   | 96  |
| 21) Allyl Chloride            | 2.098 | 41  | 2799 | 0.382 | ppbv   | 86  |
| 22) trans-1,2-Dichloroethene  | 2.726 | 96  | 1777 | 0.371 | ppbv   | 86  |
| 23) Vinyl Acetate             | 2.460 | 43  | 1748 | 0.278 | ppbv # | 87  |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 4096 | 0.422 | ppbv   | 97  |
| 25) Ethyl Acetate             | 2.845 | 43  | 7220 | 0.287 | ppbv # | 97  |
| 26) Hexane                    | 2.826 | 57  | 1599 | 0.167 | ppbv # | 1   |
| 27) Carbon Disulfide          | 2.156 | 76  | 2178 | 0.253 | ppbv # | 1   |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 2648 | 0.342 | ppbv   | 93  |
| 29) Chloroform                | 2.852 | 83  | 5937 | 0.408 | ppbv   | 97  |
| 30) Cyclohexane               | 3.868 | 84  | 837  | 0.103 | ppbv # | 1   |
| 31) cis-1,2-Dichloroethene    | 2.344 | 61  | 3624 | 0.367 | ppbv   | 94  |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 4884 | 0.330 | ppbv   | 93  |
| 34) 2-Butanone                | 2.564 | 43  | 4896 | 0.347 | ppbv   | 99  |
| 35) Carbon Tetrachloride      | 3.765 | 117 | 2403 | 0.193 | ppbv   | 89  |
| 36) Benzene                   | 3.661 | 78  | 5491 | 0.302 | ppbv # | 90  |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 4884 | 0.432 | ppbv   | 98  |
| 38) Trichloroethene           | 4.554 | 130 | 1315 | 0.171 | ppbv   | 91  |
| 39) 1,2-Dichloropropane       | 4.321 | 63  | 2280 | 0.347 | ppbv # | 77  |
| 40) 1,4-Dioxane               | 4.609 | 88  | 280  | 0.087 | ppbv # | 20  |
| 41) Tetrahydrofuran           | 3.072 | 42  | 1788 | 0.226 | ppbv # | 91  |
| 42) Bromodichloromethane      | 4.493 | 83  | 2098 | 0.161 | ppbv # | 82  |
| 43) Methyl Methacrylate       | 4.891 | 69  | 880  | 0.127 | ppbv # | 11  |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 4764 | 0.154 | ppbv # | 33  |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 637  | 0.089 | ppbv   | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121824\  
 Data File : VL041792.D  
 Acq On : 18 Dec 2024 13:30  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

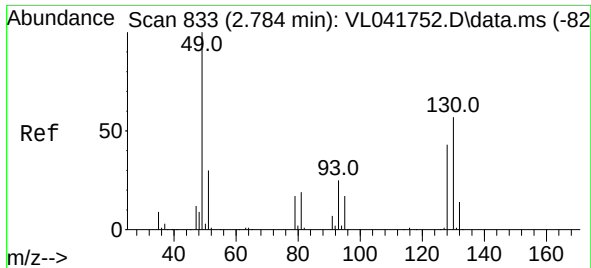
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Quant Time: Dec 19 07:53:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Dec 19 07:32:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.616  | 75   | 759      | 0.084 | ppbv   | 89       |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 435      | 0.063 | ppbv # | 29       |
| 48) Dibromochloromethane      | 7.393  | 129  | 1726     | 0.184 | ppbv   | 56       |
| 49) Bromoform                 | 9.497  | 173  | 556      | 0.073 | ppbv # | 28       |
| 50) 4-Methyl-2-Pentanone      | 5.778  | 43   | 3923     | 0.204 | ppbv   | 95       |
| 51) 2-Hexanone                | 7.458  | 43   | 3050     | 0.196 | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.238  | 164  | 950      | 0.141 | ppbv   | 90       |
| 53) Toluene                   | 6.940  | 91   | 3469     | 0.168 | ppbv # | 69       |
| 54) 1,2-Dibromoethane         | 7.658  | 107  | 2668     | 0.282 | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 3161     | 0.398 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.933  | 112  | 6429     | 0.419 | ppbv # | 89       |
| 58) Ethyl Benzene             | 9.361  | 91   | 5789     | 0.214 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.555  | 91   | 3921     | 0.181 | ppbv # | 100      |
| 60) o-Xylene                  | 9.969  | 91   | 4585     | 0.211 | ppbv   | 97       |
| 61) Styrene                   | 9.875  | 104  | 1818     | 0.193 | ppbv   | 92       |
| 62) Isopropylbenzene          | 10.545 | 105  | 8515     | 0.260 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 5038     | 0.370 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.995 | 120  | 1852     | 0.224 | ppbv   | 95       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 6166     | 0.209 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.617 | 91   | 697      | 0.268 | ppbv # | 80       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 9417     | 0.231 | ppbv   | 96       |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 6695     | 0.199 | ppbv   | 94       |
| 70) n-Butylbenzene            | 12.287 | 91   | 6317     | 0.194 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 5650     | 0.226 | ppbv   | 92       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 4955     | 0.193 | ppbv # | 95       |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 4408     | 0.207 | ppbv   | 93       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 4624     | 0.202 | ppbv # | 89       |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 4916     | 0.336 | ppbv   | 96       |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 4344     | 0.301 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 4825     | 0.343 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 3653     | 0.350 | ppbv   | 95       |
| 79) Naphthalene               | 13.520 | 128  | 2064     | 0.129 | ppbv # | 86       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 239      | 0.048 | ppbv # | 88       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 1477     | 0.169 | ppbv # | 95       |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 833

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

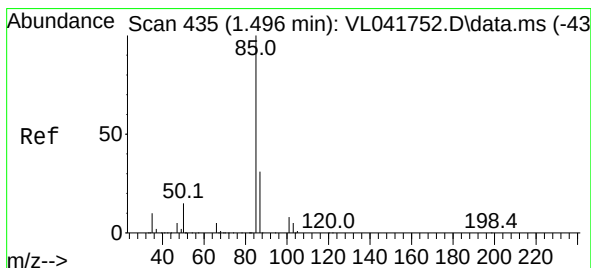
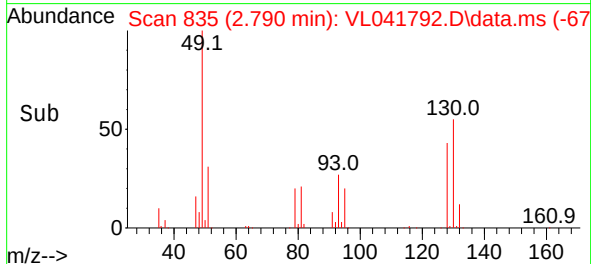
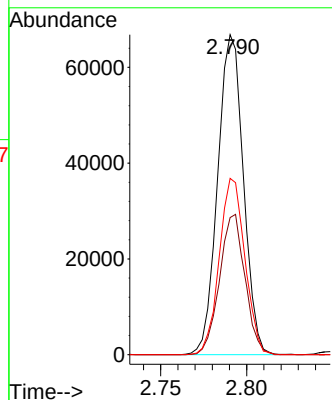
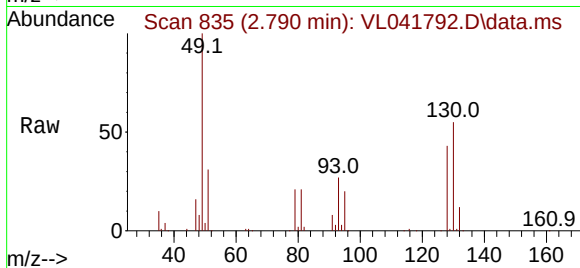
Tgt Ion: 49 Resp: 69517

Ion Ratio Lower Upper

49 100

128 43.4 21.6 64.6

130 54.8 28.3 85.0



#2

Dichlorodifluoromethane

Concen: 0.431 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.003 min

Lab File: VL041792.D

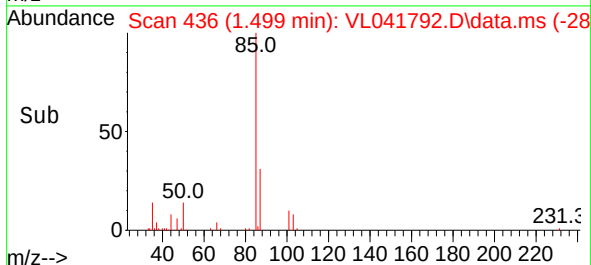
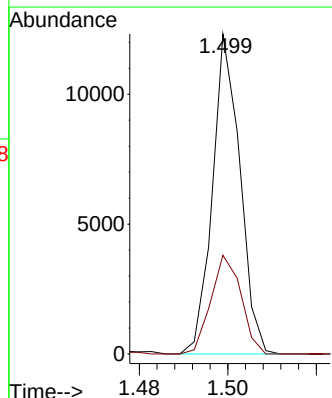
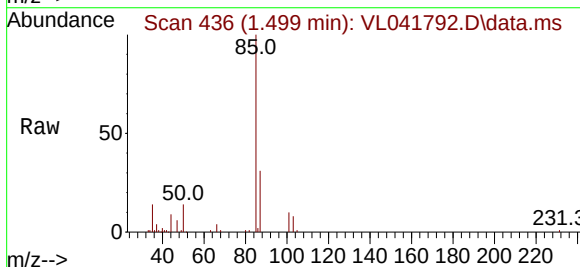
Acq: 18 Dec 2024 13:30

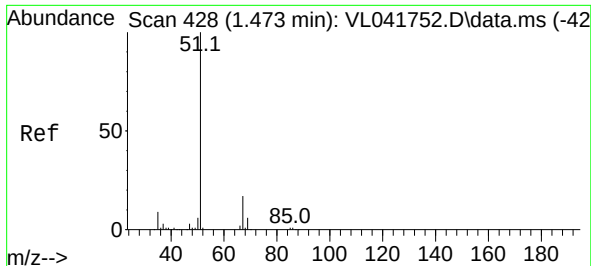
Tgt Ion: 85 Resp: 5327

Ion Ratio Lower Upper

85 100

87 30.8 24.5 36.7

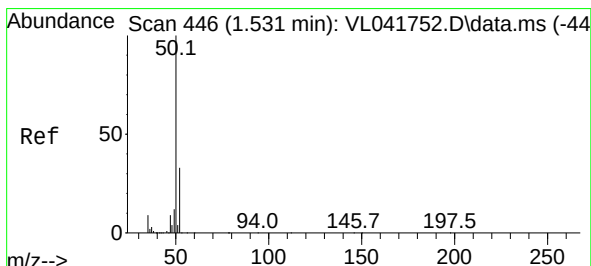
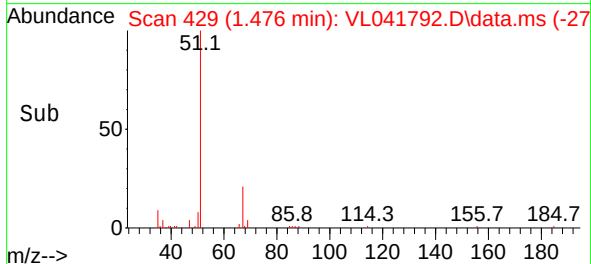
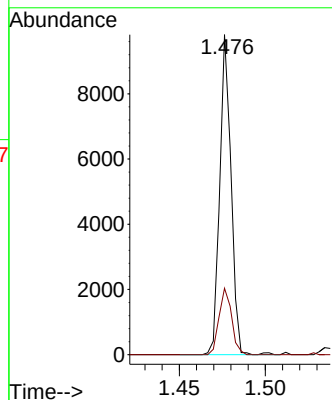
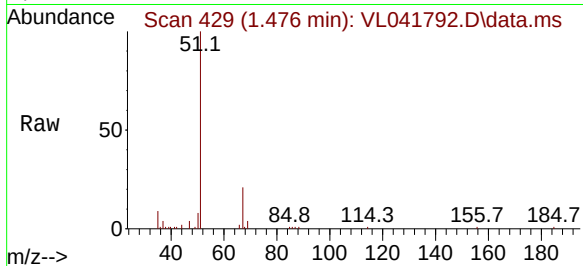




#3  
Chlorodifluoromethane  
Concen: 0.394 ppbv  
RT: 1.476 min Scan# 441  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

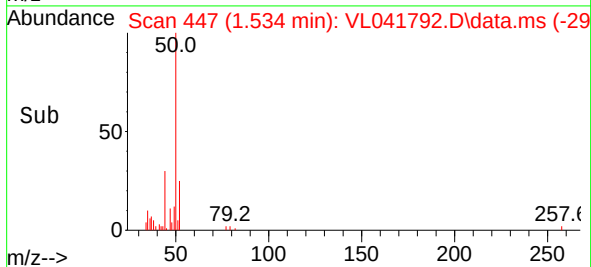
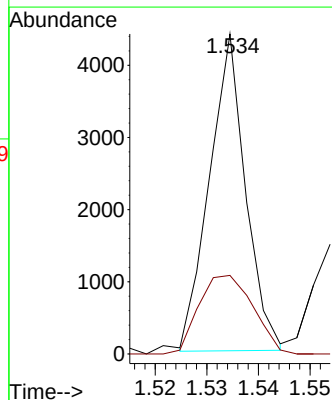
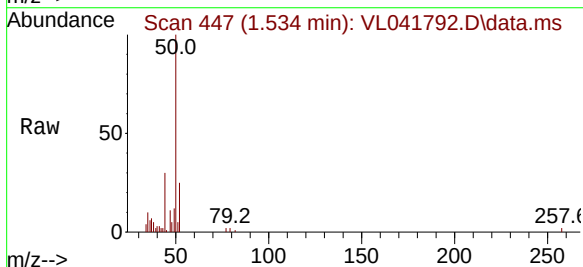
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

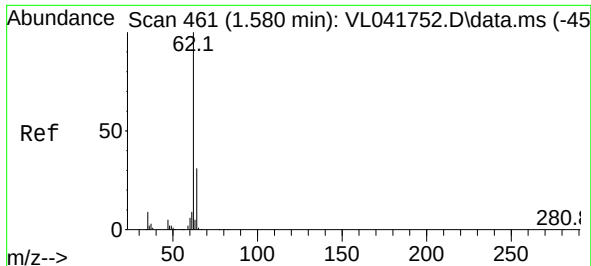
Tgt Ion: 51 Resp: 4463  
Ion Ratio Lower Upper  
51 100  
67 23.1 15.0 22.4#



#4  
Chloromethane  
Concen: 0.441 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 50 Resp: 2134  
Ion Ratio Lower Upper  
50 100  
52 23.8 26.2 39.2#

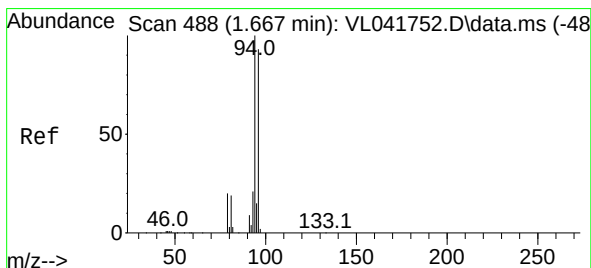
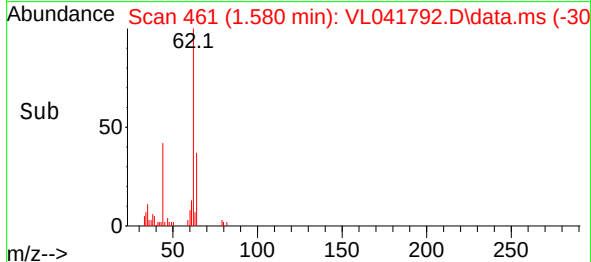
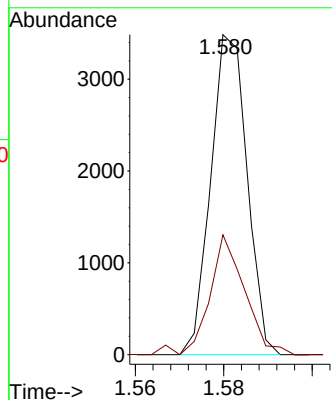
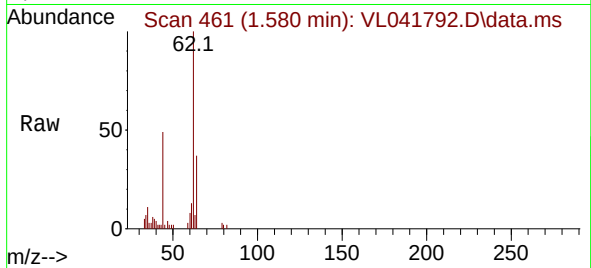




#5  
 Vinyl Chloride  
 Concen: 0.408 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL041792.D  
 Acq: 18 Dec 2024 13:30

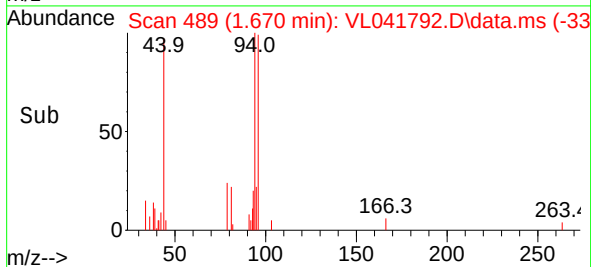
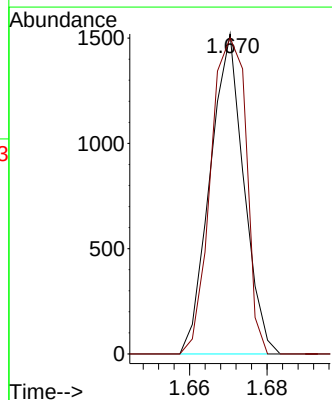
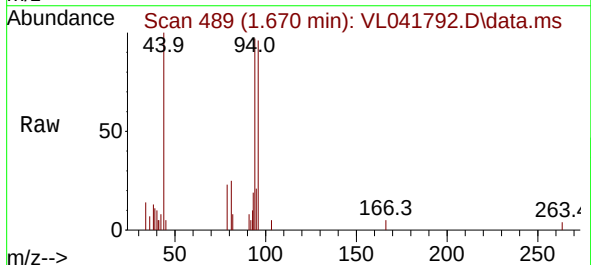
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

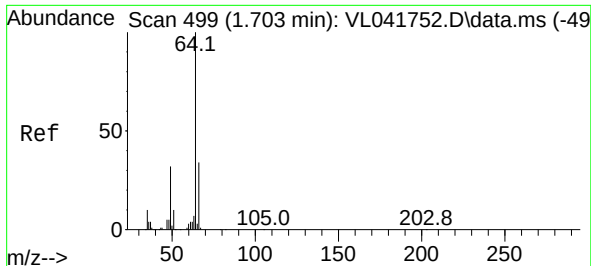
Tgt Ion: 62 Resp: 1990  
 Ion Ratio Lower Upper  
 62 100  
 64 37.4 25.1 37.7



#6  
 Bromomethane  
 Concen: 0.399 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. 0.003 min  
 Lab File: VL041792.D  
 Acq: 18 Dec 2024 13:30

Tgt Ion: 94 Resp: 919  
 Ion Ratio Lower Upper  
 94 100  
 96 98.8 74.7 112.1

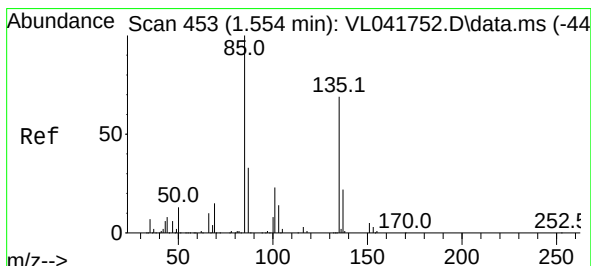
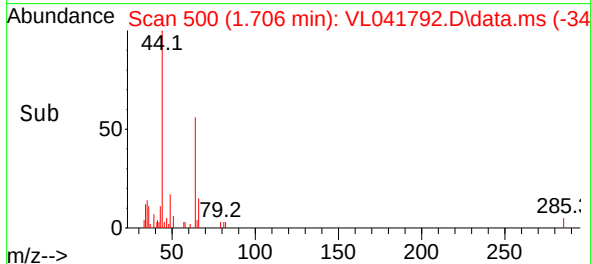
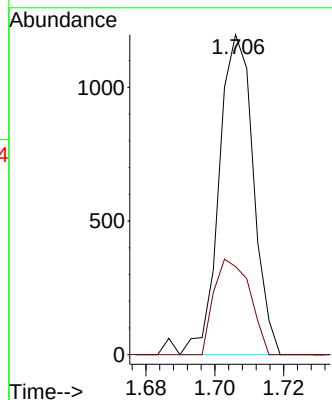
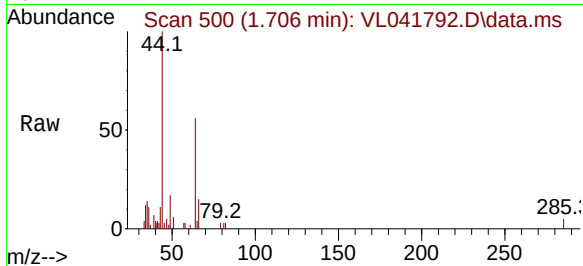




#7  
Chloroethane  
Concen: 0.437 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

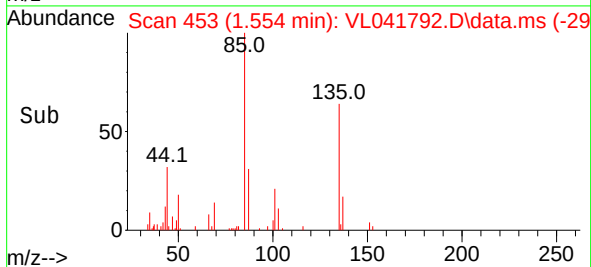
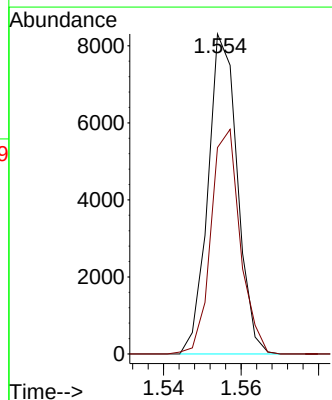
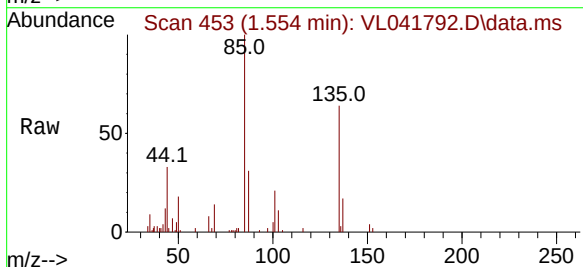
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

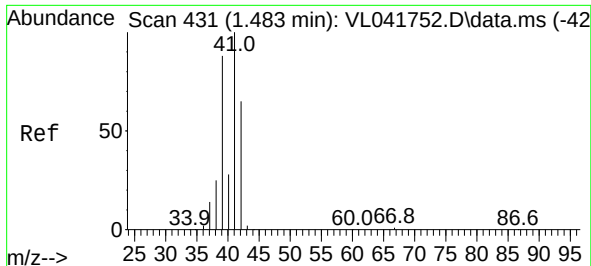
Tgt Ion: 64 Resp: 827  
Ion Ratio Lower Upper  
64 100  
66 27.6 27.5 41.3



#8  
Dichlorotetrafluoroethane  
Concen: 0.395 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 85 Resp: 4376  
Ion Ratio Lower Upper  
85 100  
135 69.9 51.9 77.9





#9

Propene

Concen: 0.319 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

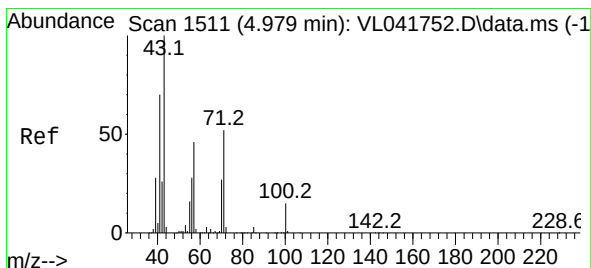
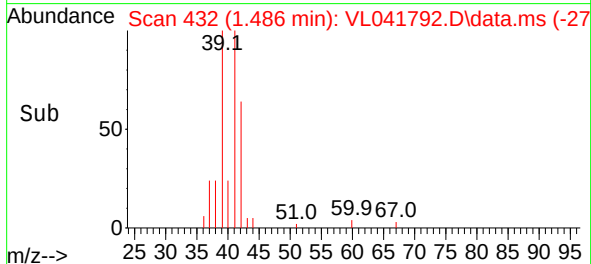
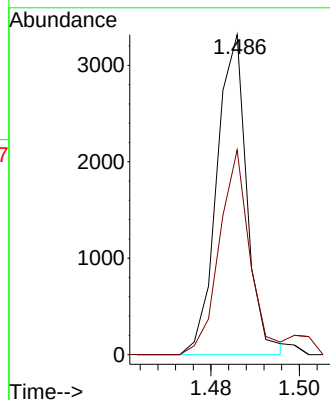
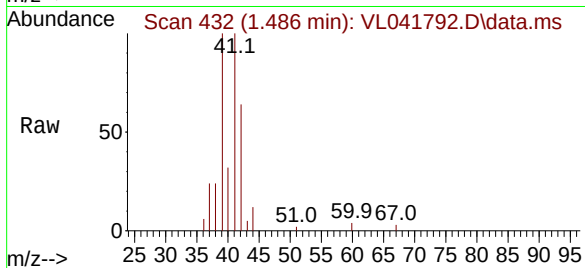
MDL 0.4

Tgt Ion: 41 Resp: 1567

Ion Ratio Lower Upper

41 100

42 69.8 52.4 78.6



#10

Heptane

Concen: 0.063 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL041792.D

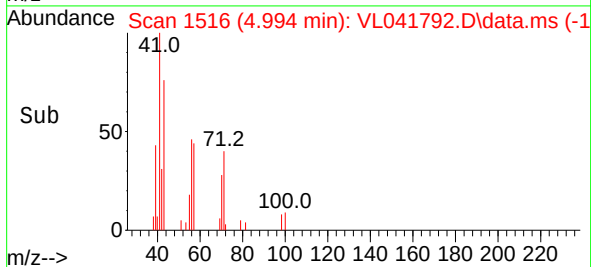
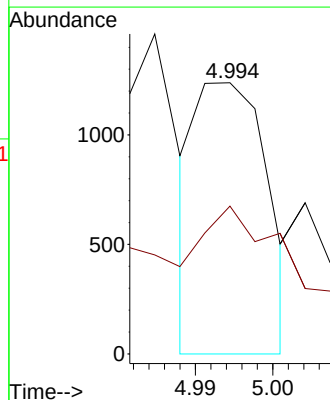
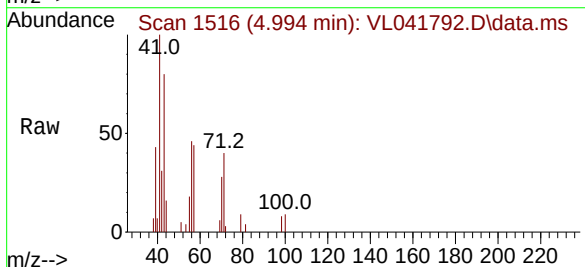
Acq: 18 Dec 2024 13:30

Tgt Ion: 43 Resp: 795

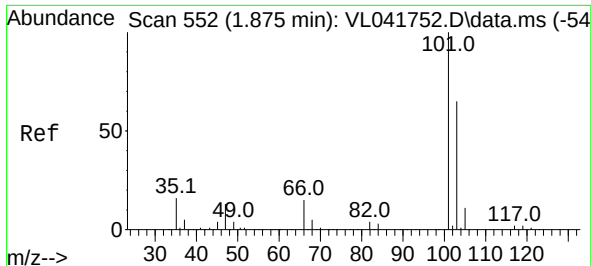
Ion Ratio Lower Upper

43 100

57 169.4 38.5 57.7#







#11

Trichlorofluoromethane

Concen: 0.422 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

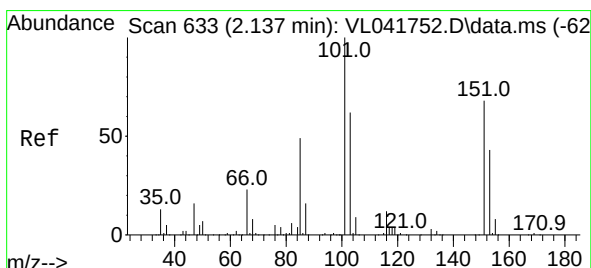
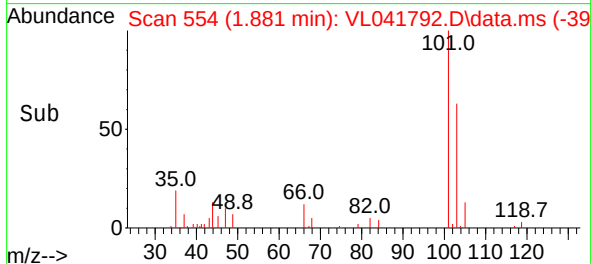
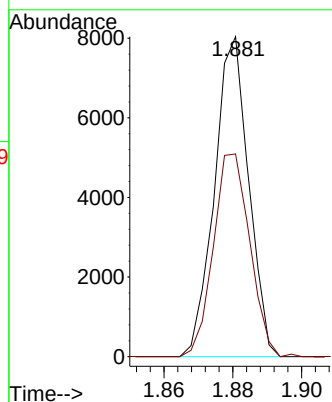
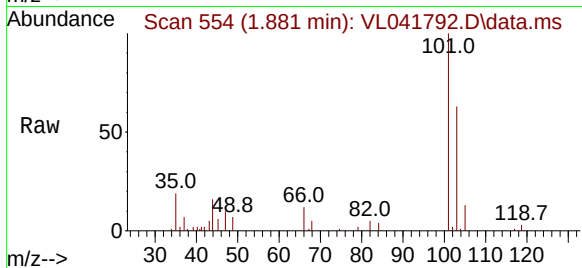
MDL 0.4

Tgt Ion:101 Resp: 5547

Ion Ratio Lower Upper

101 100

103 63.4 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.407 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041792.D

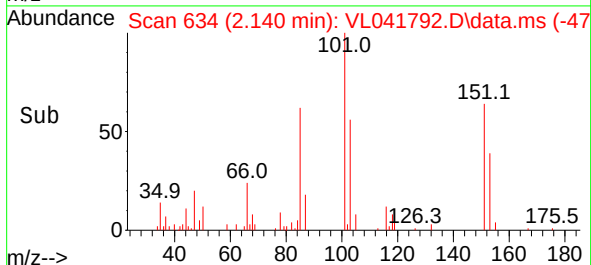
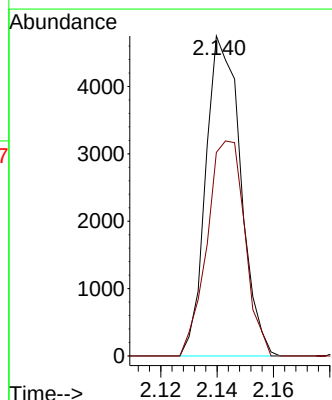
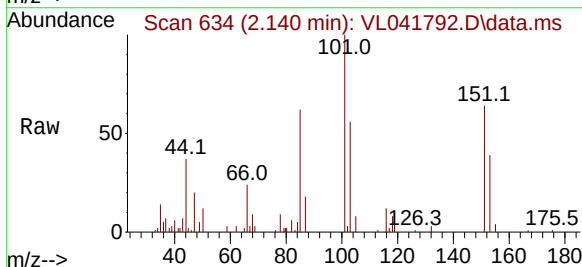
Acq: 18 Dec 2024 13:30

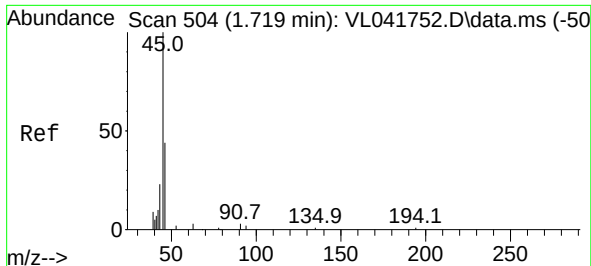
Tgt Ion:101 Resp: 4070

Ion Ratio Lower Upper

101 100

151 73.0 56.8 85.2





#13

Ethanol

Concen: 1.052 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

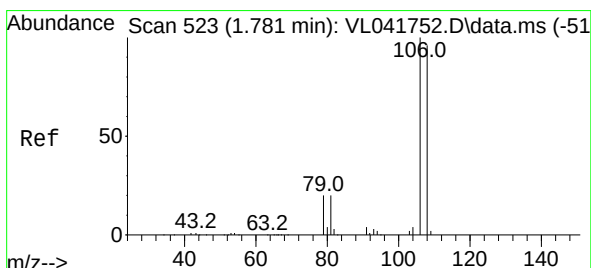
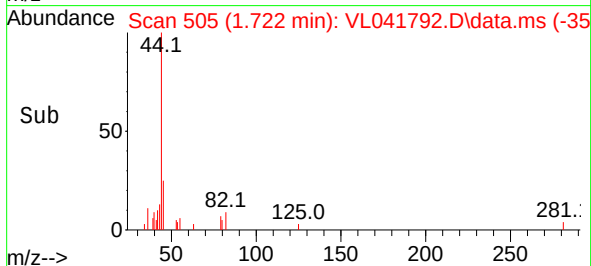
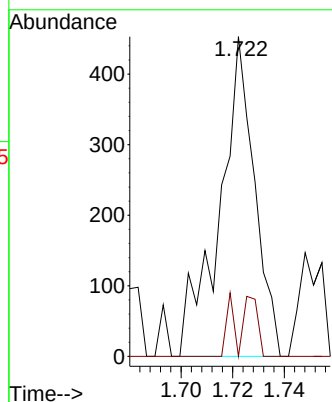
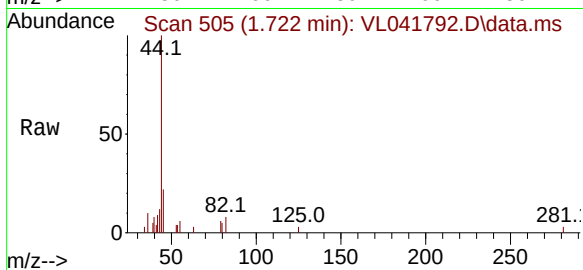
MDL 0.4

Tgt Ion: 45 Resp: 428

Ion Ratio Lower Upper

45 100

46 11.7 16.4 65.8#



#14

Bromoethene

Concen: 0.377 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

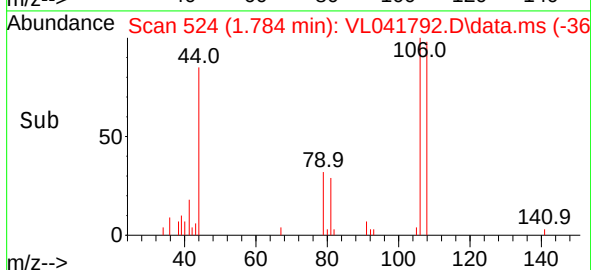
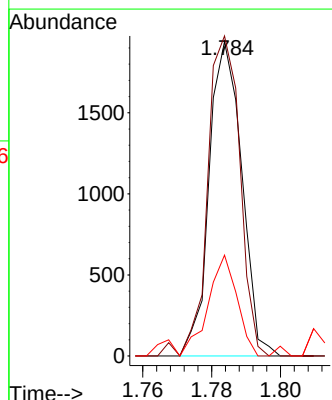
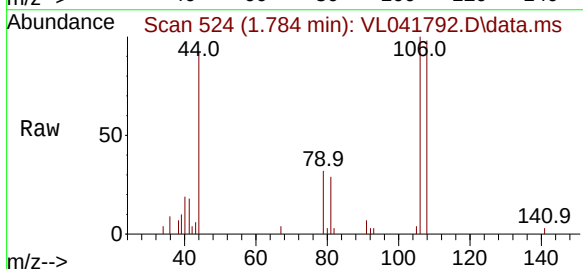
Tgt Ion: 108 Resp: 1272

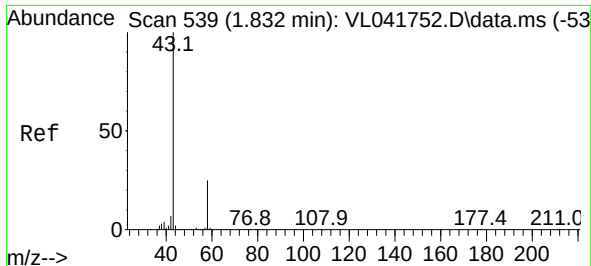
Ion Ratio Lower Upper

108 100

106 100.6 84.1 126.1

79 32.1 17.4 26.0#





#15

Acetone

Concen: 0.536 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

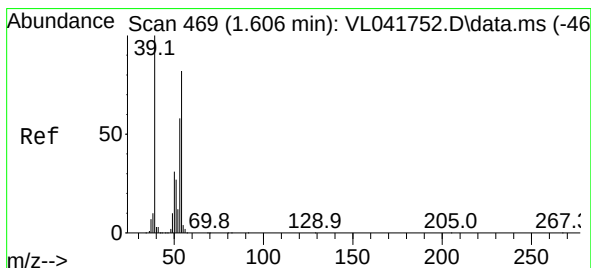
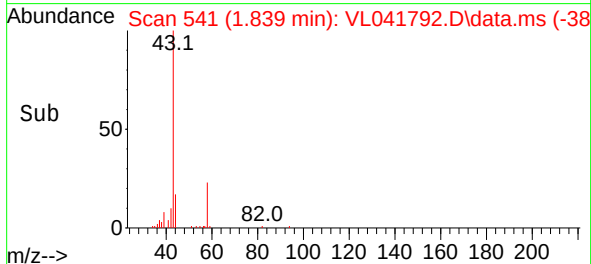
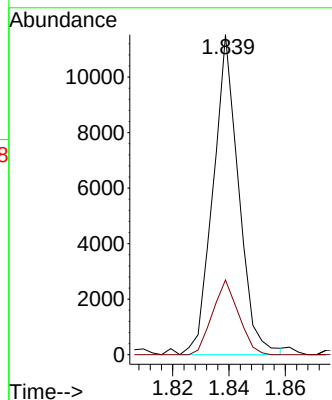
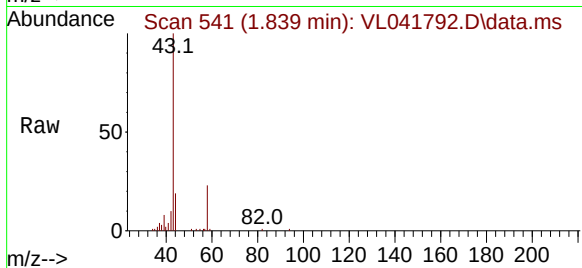
MDL 0.4

Tgt Ion: 43 Resp: 7254

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5



#16

1,3-Butadiene

Concen: 0.440 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041792.D

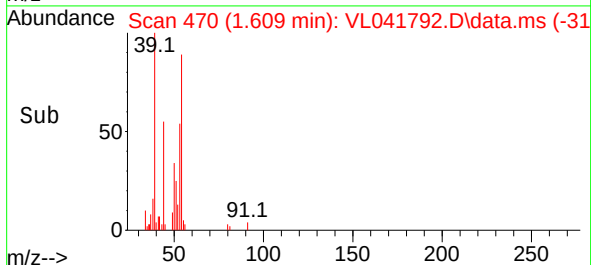
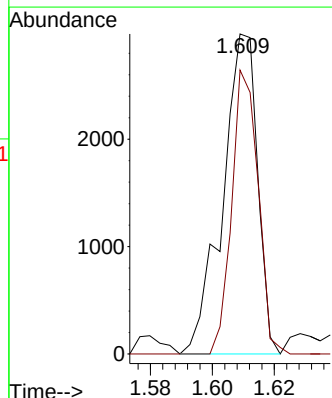
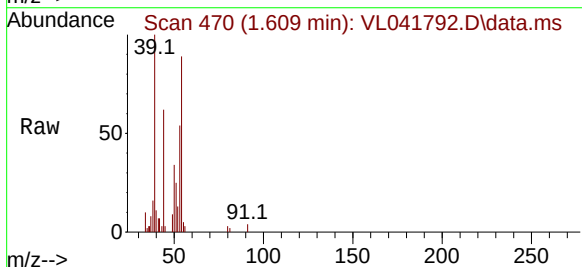
Acq: 18 Dec 2024 13:30

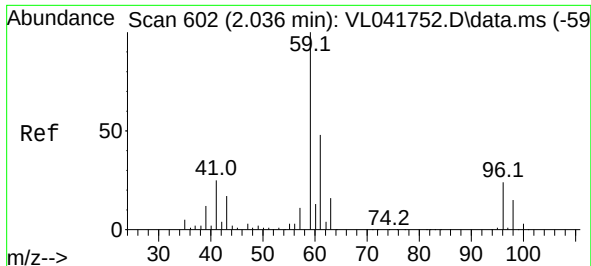
Tgt Ion: 39 Resp: 2343

Ion Ratio Lower Upper

39 100

54 66.8 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.373 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

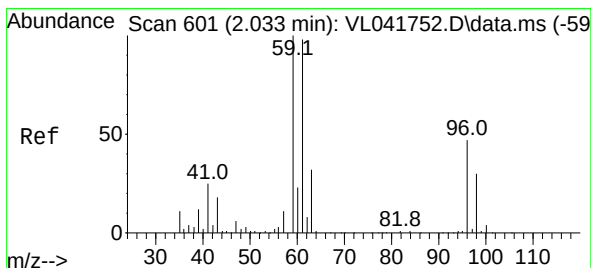
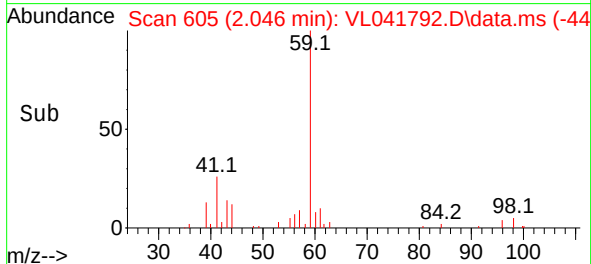
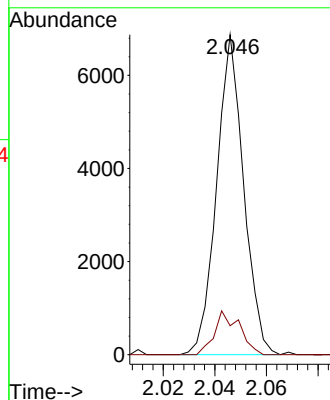
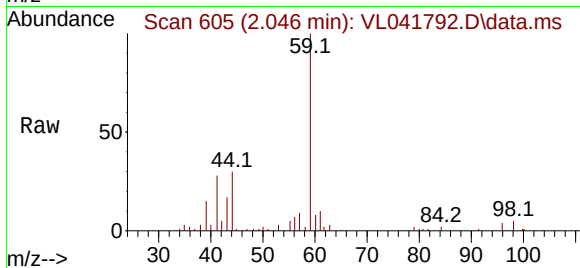
MDL 0.4

Tgt Ion: 59 Resp: 5000

Ion Ratio Lower Upper

59 100

57 12.6 8.6 13.0



#18

1,1-Dichloroethene

Concen: 0.404 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

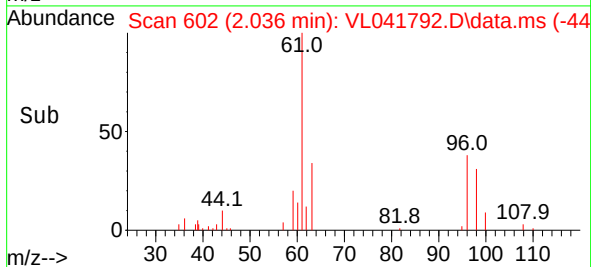
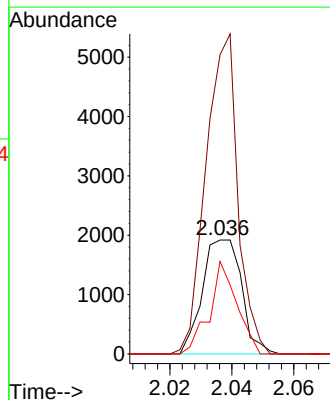
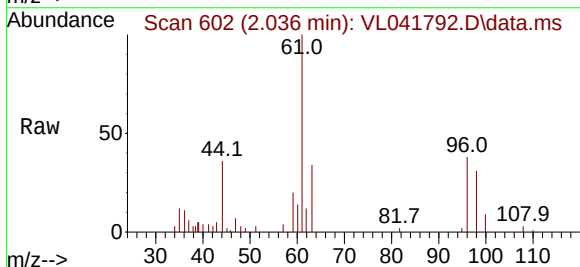
Tgt Ion: 96 Resp: 1691

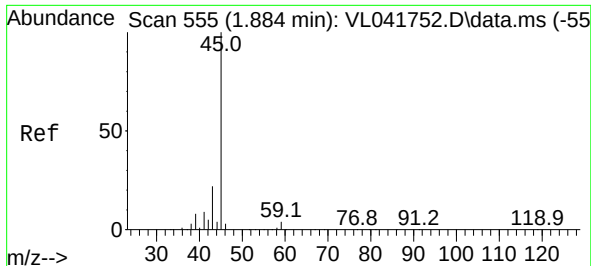
Ion Ratio Lower Upper

96 100

61 262.7 167.7 251.5#

98 81.1 51.1 76.7#





#19

Isopropyl Alcohol

Concen: 0.465 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

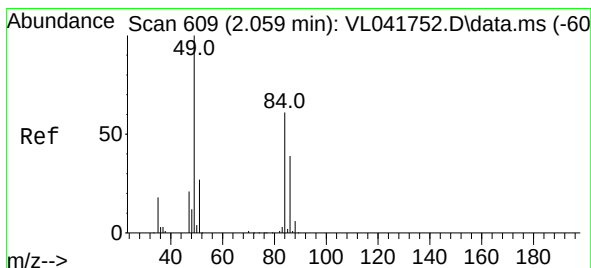
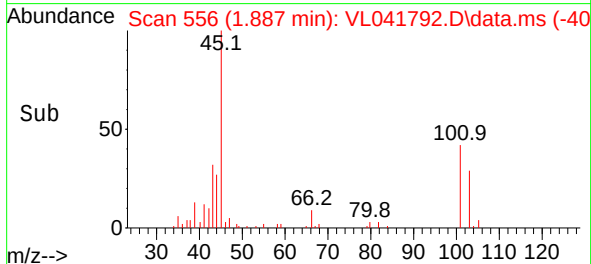
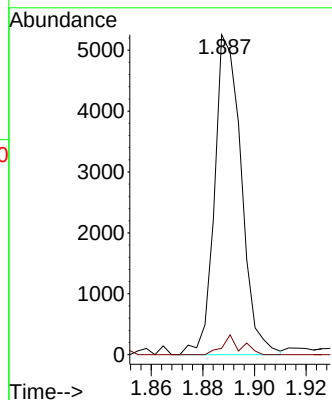
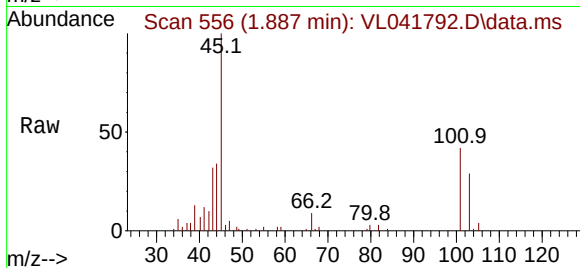
MDL 0.4

Tgt Ion: 45 Resp: 3774

Ion Ratio Lower Upper

45 100

58 4.2 33.3 49.9#



#20

Methylene Chloride

Concen: 0.552 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 84 Resp: 2130

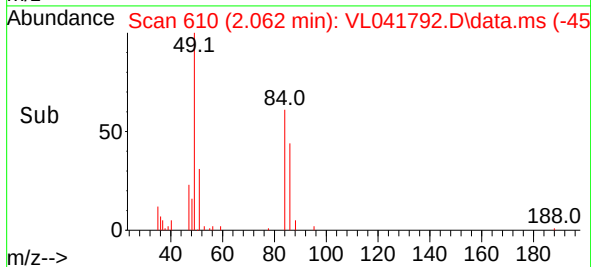
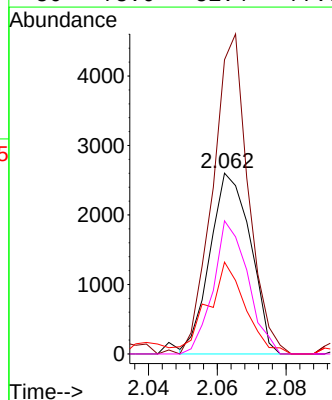
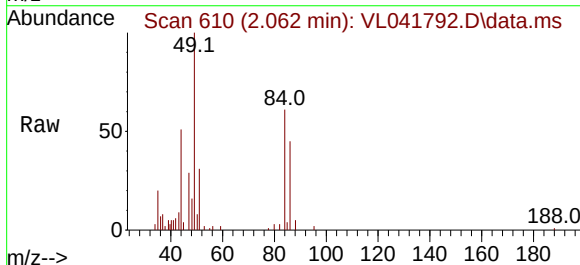
Ion Ratio Lower Upper

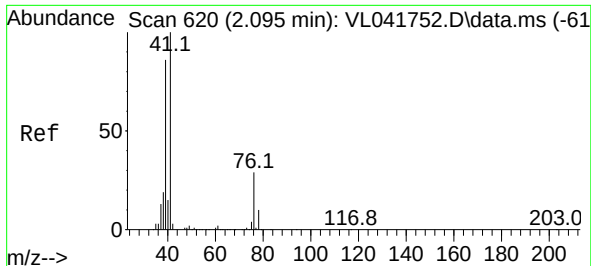
84 100

49 162.7 132.6 198.8

51 47.4 37.6 56.4

86 73.6 51.4 77.0





#21

Allyl Chloride

Concen: 0.382 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

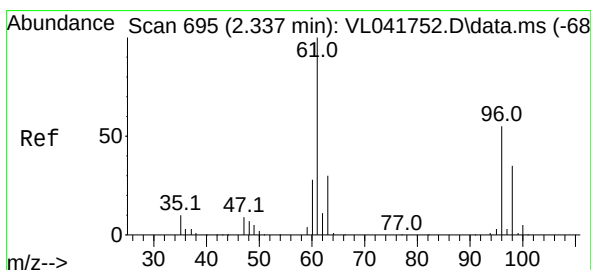
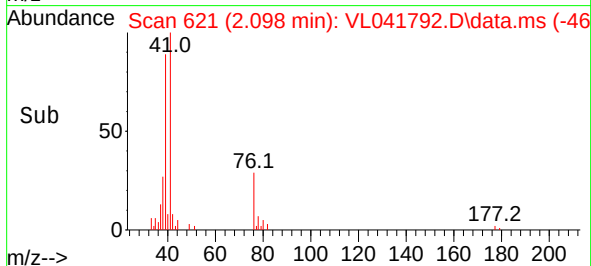
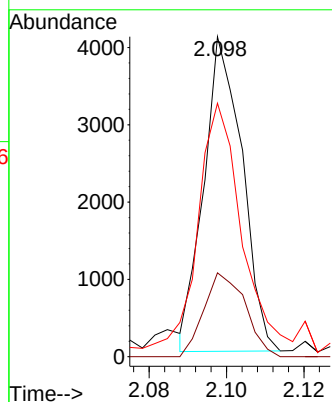
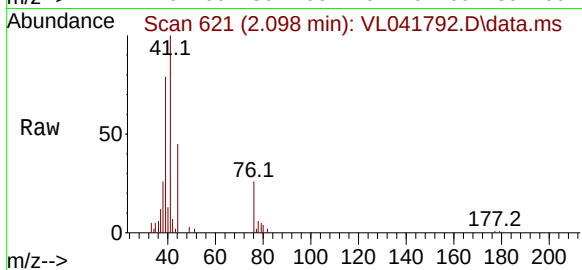
Tgt Ion: 41 Resp: 2799

Ion Ratio Lower Upper

41 100

76 28.7 22.3 33.5

39 103.7 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.371 ppbv

RT: 2.726 min Scan# 815

Delta R.T. 0.388 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

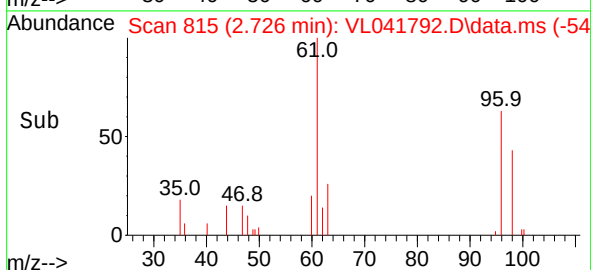
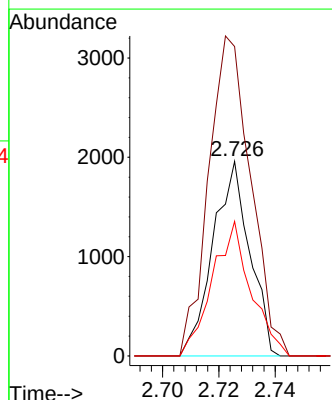
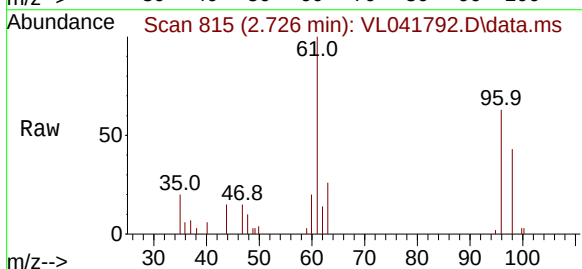
Tgt Ion: 96 Resp: 1777

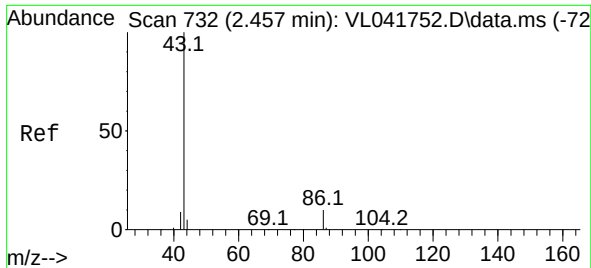
Ion Ratio Lower Upper

96 100

61 159.1 146.3 219.5

98 69.2 50.8 76.2



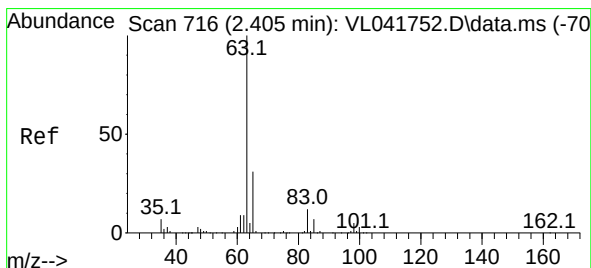
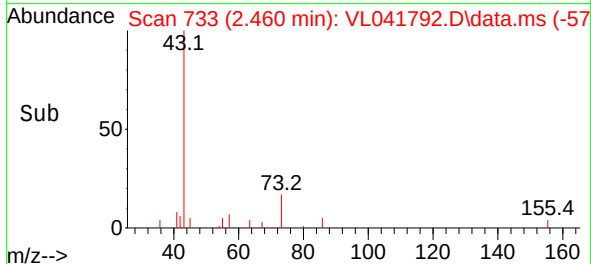
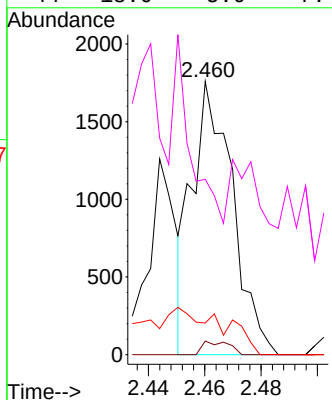
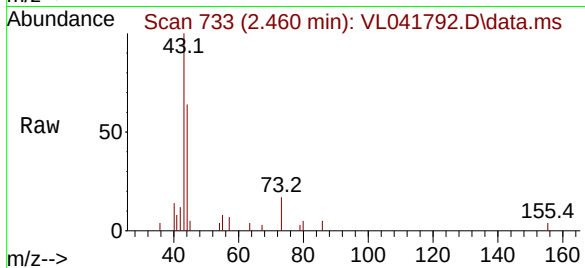


#23  
Vinyl Acetate  
Concen: 0.278 ppbv  
RT: 2.460 min Scan# 718  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion: 43 Resp: 1748

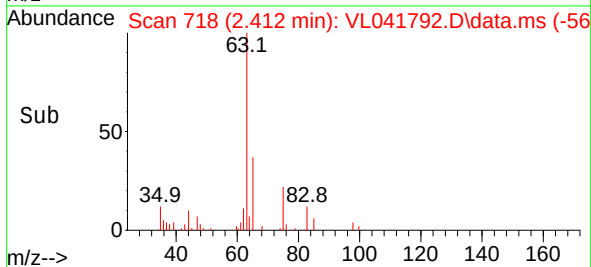
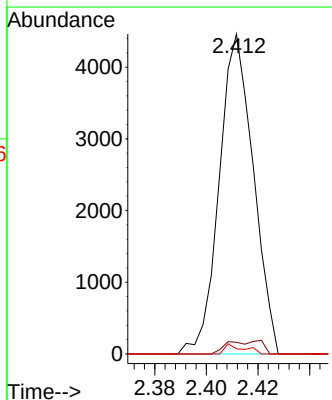
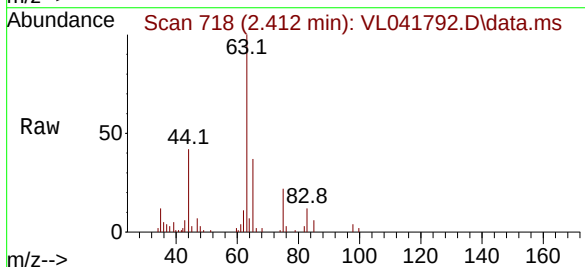
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 4.9   | 6.6   | 10.0# |
| 42  | 11.6  | 8.2   | 12.2  |
| 44  | 18.0  | 5.0   | 7.4#  |

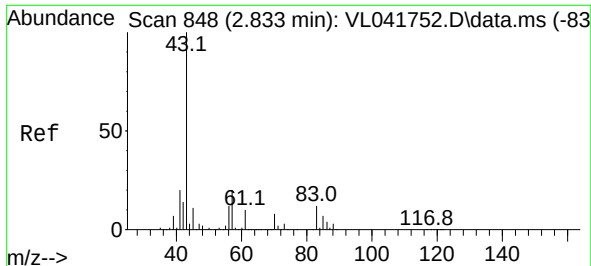


#24  
1,1-Dichloroethane  
Concen: 0.422 ppbv  
RT: 2.412 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 63 Resp: 4096

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.6   | 2.3   | 6.8   |
| 100 | 1.6   | 1.4   | 4.2   |





#25

Ethyl Acetate

Concen: 0.287 ppbv

RT: 2.845 min Scan# 845

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 43 Resp: 7220

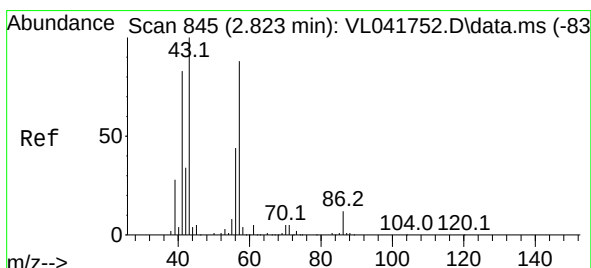
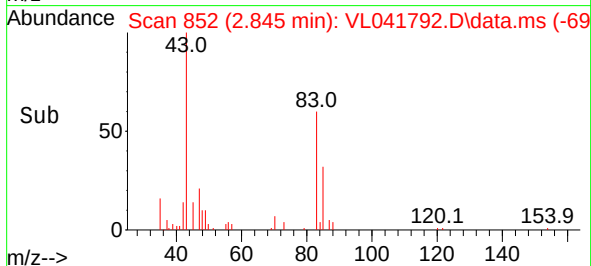
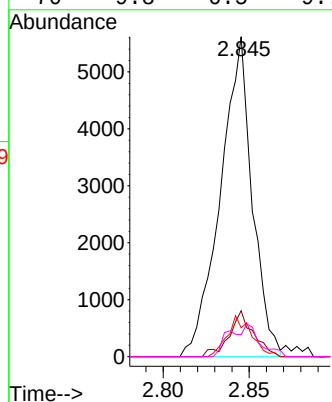
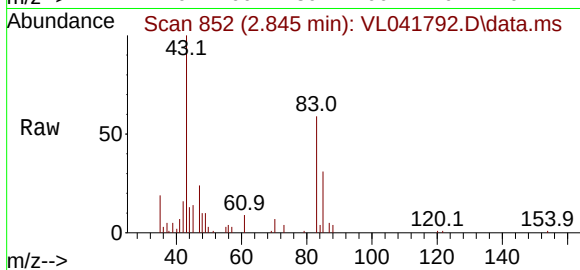
Ion Ratio Lower Upper

43 100

45 10.9 8.1 12.1

61 9.7 7.0 10.6

70 9.8 6.5 9.7#



#26

Hexane

Concen: 0.167 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 57 Resp: 1599

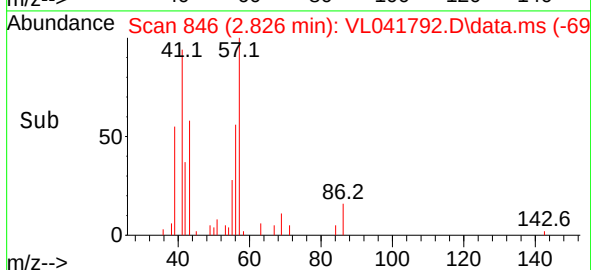
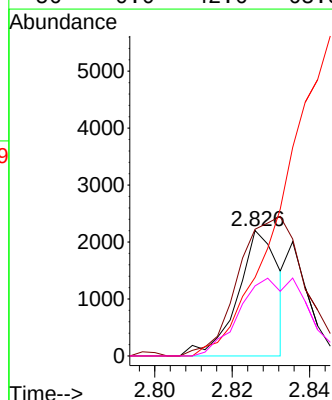
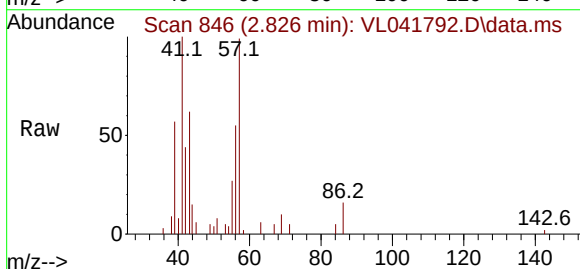
Ion Ratio Lower Upper

57 100

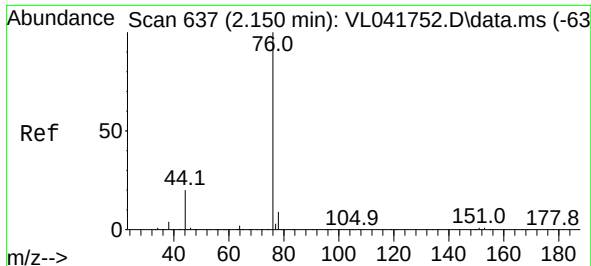
41 0.0 79.6 119.4#

43 0.0 211.0 316.6#

56 0.0 42.6 63.8#







#27

Carbon Disulfide

Concen: 0.253 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

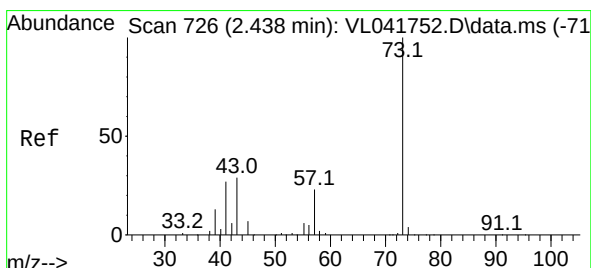
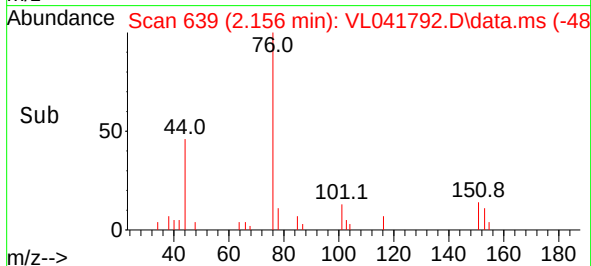
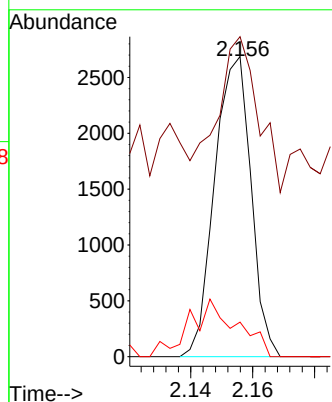
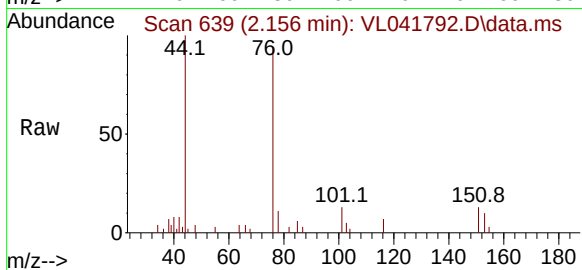
Tgt Ion: 76 Resp: 2178

Ion Ratio Lower Upper

76 100

44 113.5 17.6 26.4#

78 25.1 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.342 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL041792.D

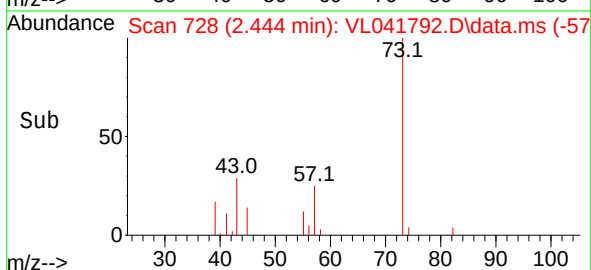
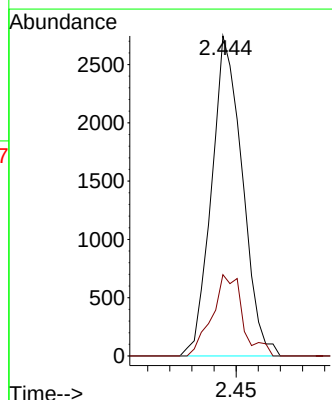
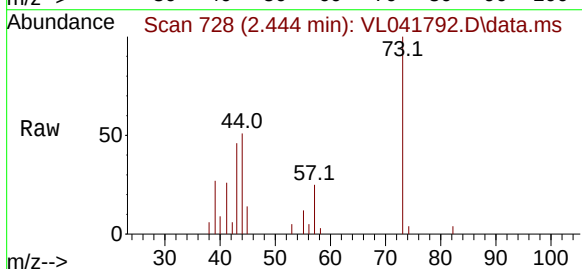
Acq: 18 Dec 2024 13:30

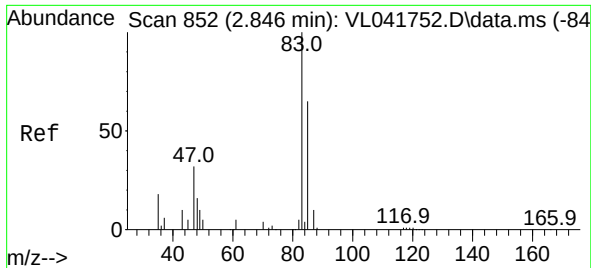
Tgt Ion: 73 Resp: 2648

Ion Ratio Lower Upper

73 100

57 25.2 17.6 26.4





#29

Chloroform

Concen: 0.408 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

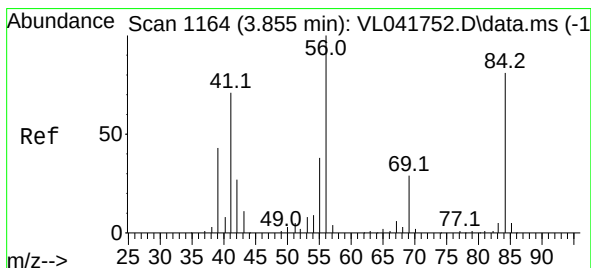
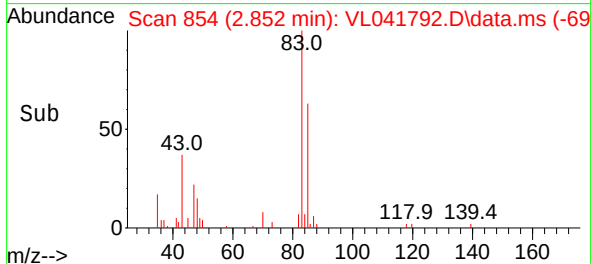
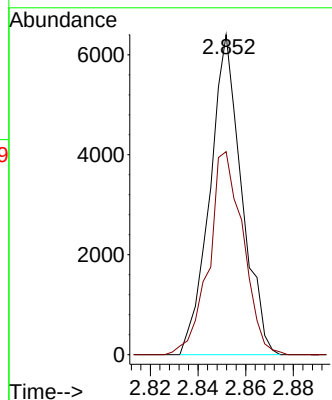
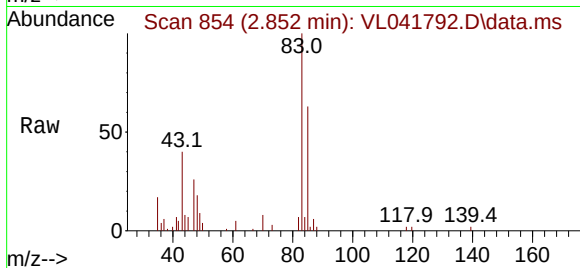
MDL 0.4

Tgt Ion: 83 Resp: 5937

Ion Ratio Lower Upper

83 100

85 62.6 51.8 77.6



#30

Cyclohexane

Concen: 0.103 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

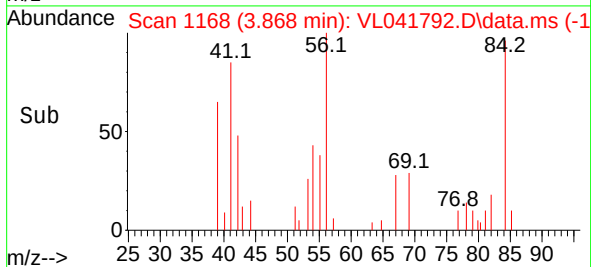
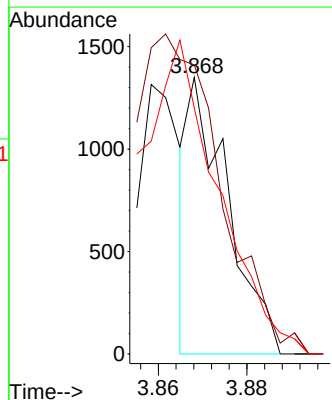
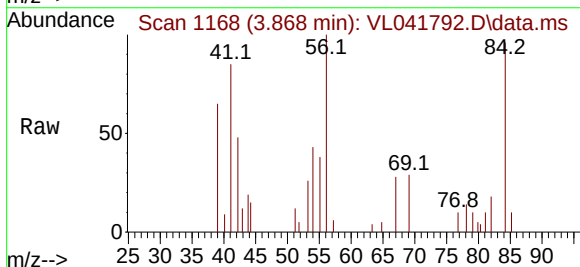
Tgt Ion: 84 Resp: 837

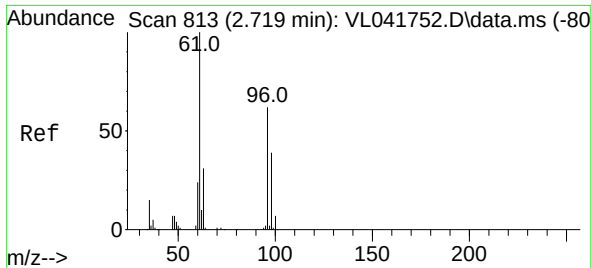
Ion Ratio Lower Upper

84 100

56 280.5 102.3 153.5#

41 248.7 74.0 111.0#

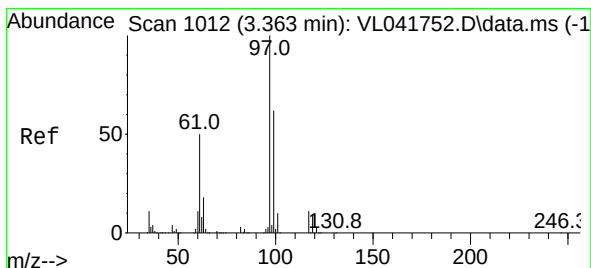
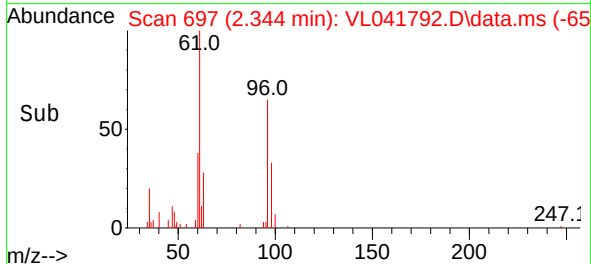
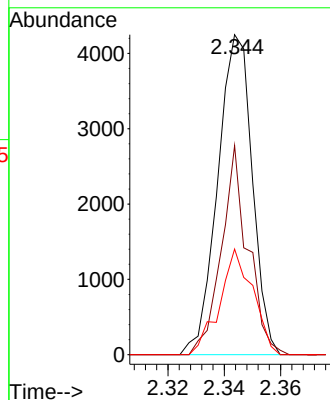
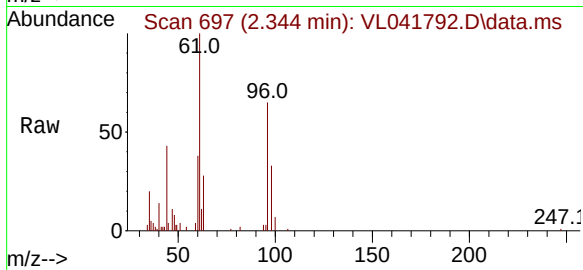




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.367 ppbv  
 RT: 2.344 min Scan# 61  
 Delta R.T. -0.376 min  
 Lab File: VL041792.D  
 Acq: 18 Dec 2024 13:30

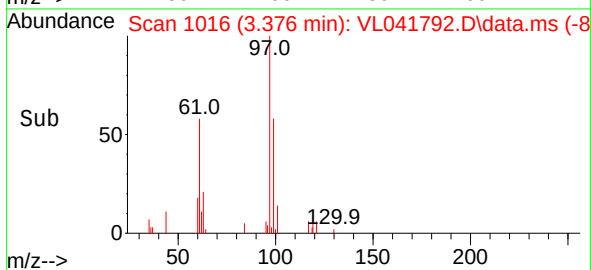
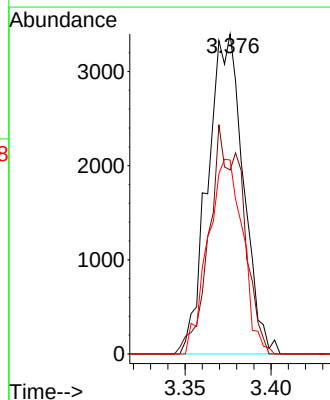
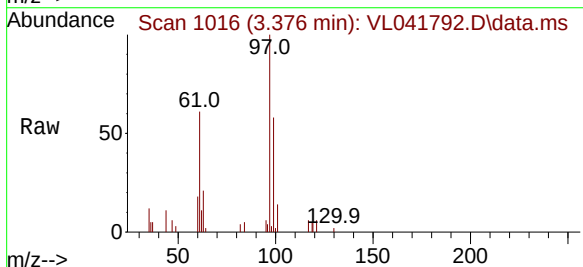
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

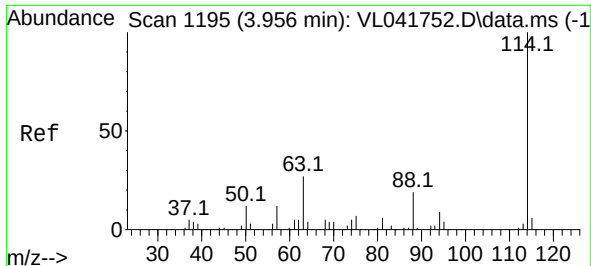
Tgt Ion: 61 Resp: 3624  
 Ion Ratio Lower Upper  
 61 100  
 96 65.4 49.7 74.5  
 98 33.0 30.8 46.2



#32  
 1,1,1-Trichloroethane  
 Concen: 0.330 ppbv  
 RT: 3.376 min Scan# 1016  
 Delta R.T. 0.013 min  
 Lab File: VL041792.D  
 Acq: 18 Dec 2024 13:30

Tgt Ion: 97 Resp: 4884  
 Ion Ratio Lower Upper  
 97 100  
 99 67.3 51.0 76.4  
 61 59.7 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

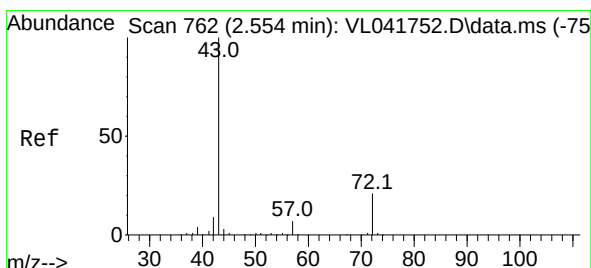
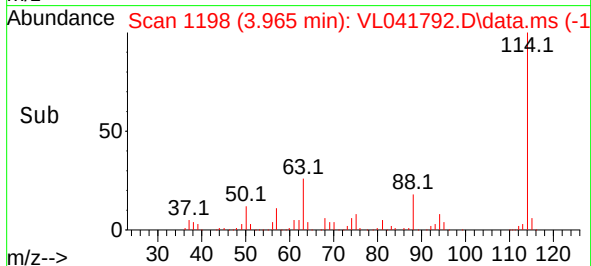
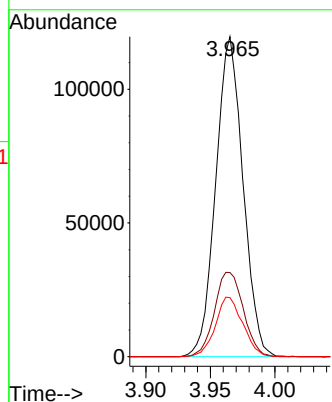
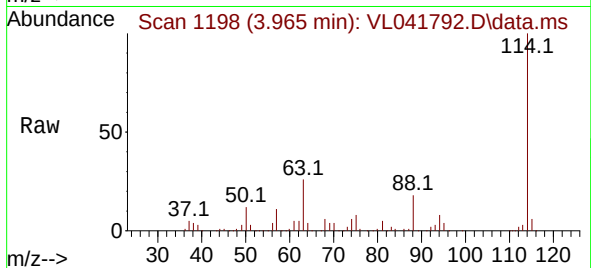
Tgt Ion:114 Resp: 175551

Ion Ratio Lower Upper

114 100

63 28.0 21.8 32.8

88 18.8 14.8 22.2



#34

2-Butanone

Concen: 0.347 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.009 min

Lab File: VL041792.D

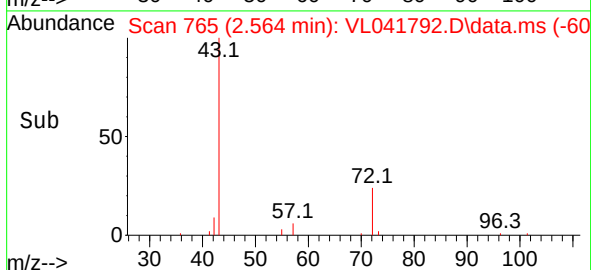
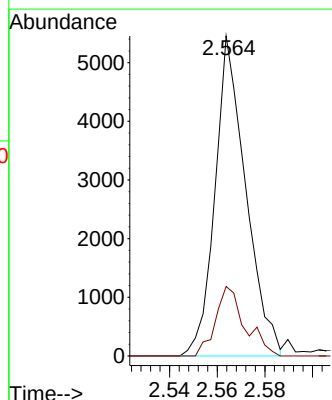
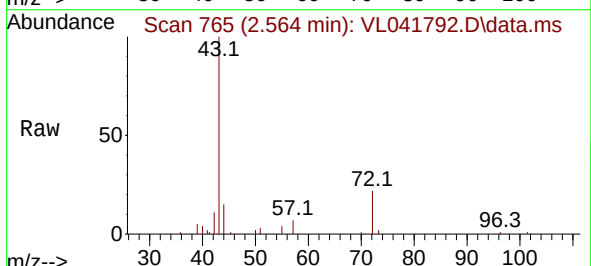
Acq: 18 Dec 2024 13:30

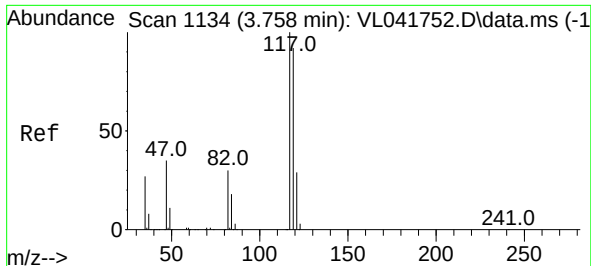
Tgt Ion: 43 Resp: 4896

Ion Ratio Lower Upper

43 100

72 20.7 16.8 25.2

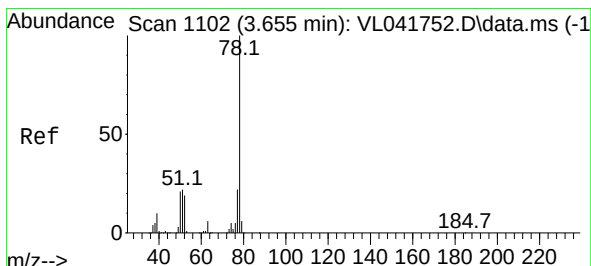
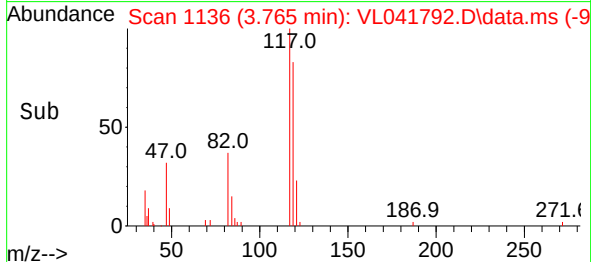
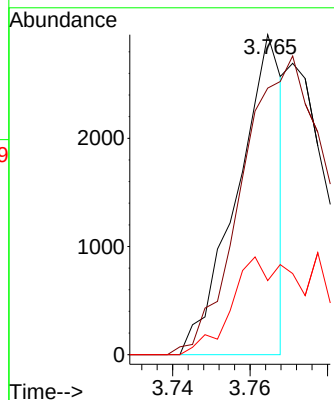
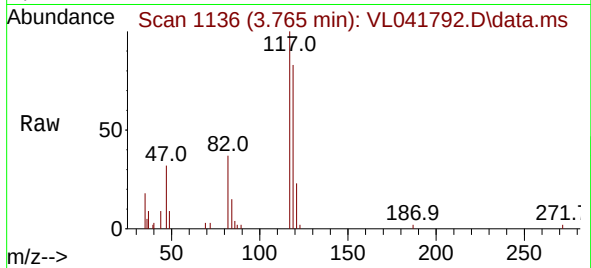




#35  
Carbon Tetrachloride  
Concen: 0.193 ppbv  
RT: 3.765 min Scan# 1136  
Delta R.T. 0.006 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

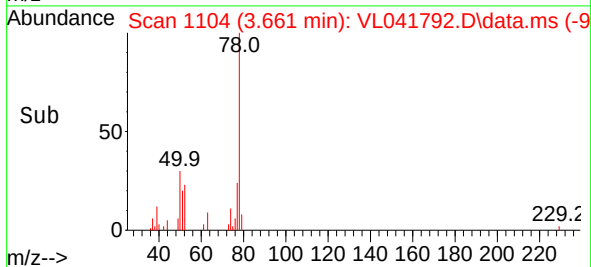
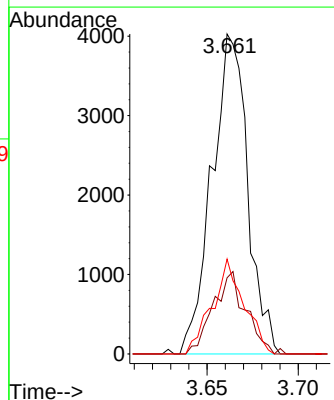
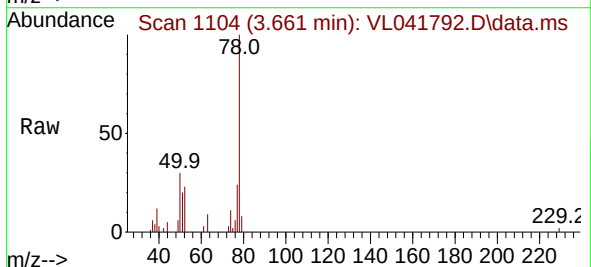
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

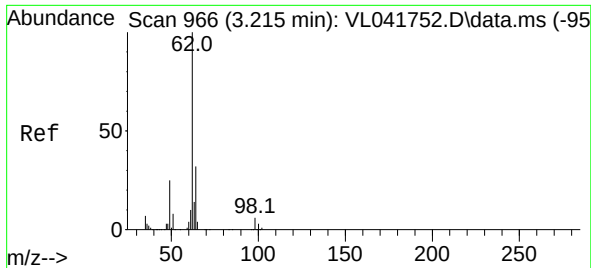
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 2403        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 119         | 80.9  | 73.7 110.5  |
| 121         | 23.1  | 23.0 34.4   |



#36  
Benzene  
Concen: 0.302 ppbv  
RT: 3.661 min Scan# 1104  
Delta R.T. 0.006 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 78 | Resp: | 5491        |
| Ion         | Ratio | Lower Upper |
| 78          | 100   |             |
| 77          | 23.8  | 17.8 26.6   |
| 50          | 29.7  | 17.2 25.8#  |





#37

1,2-Dichloroethane

Concen: 0.432 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

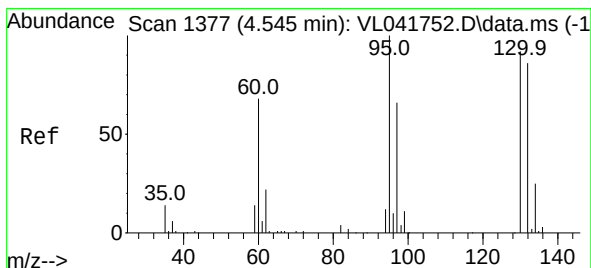
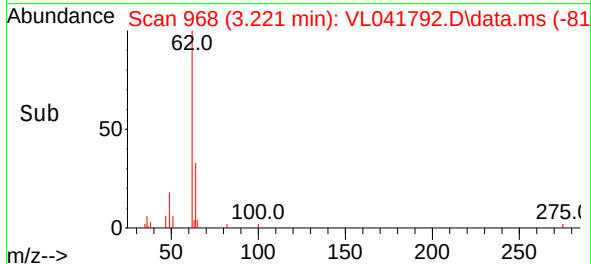
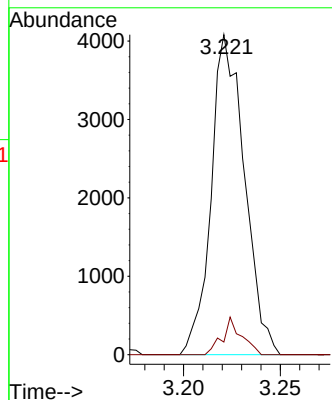
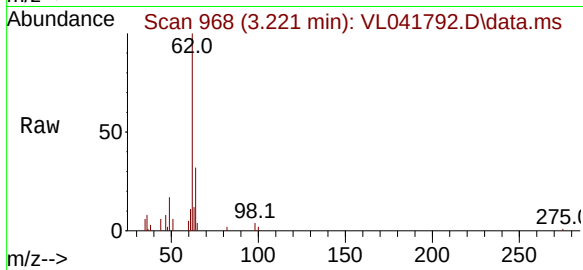
MDL 0.4

Tgt Ion: 62 Resp: 4884

Ion Ratio Lower Upper

62 100

98 6.7 4.7 7.1



#38

Trichloroethene

Concen: 0.171 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:130 Resp: 1315

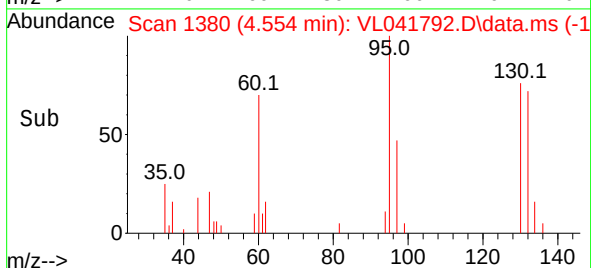
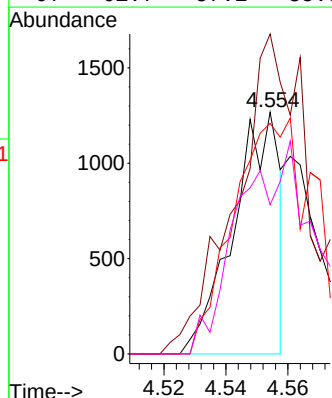
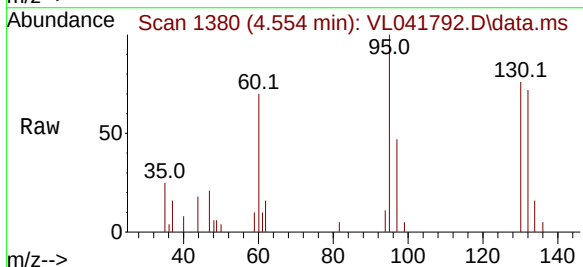
Ion Ratio Lower Upper

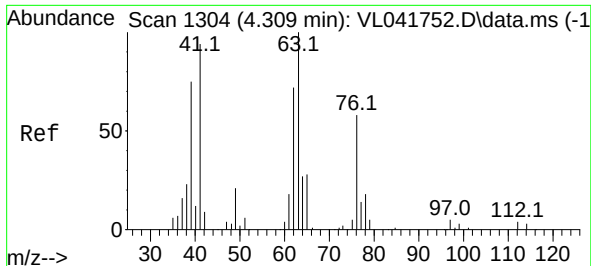
130 100

95 124.3 87.0 130.6

132 95.3 75.0 112.6

97 61.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.347 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

MDL 0.4

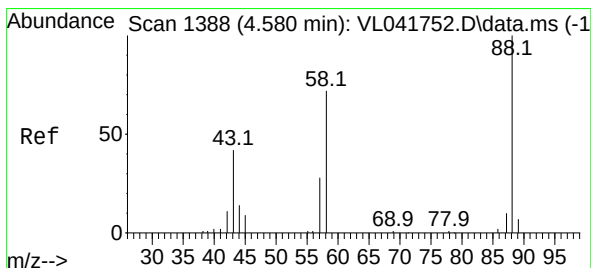
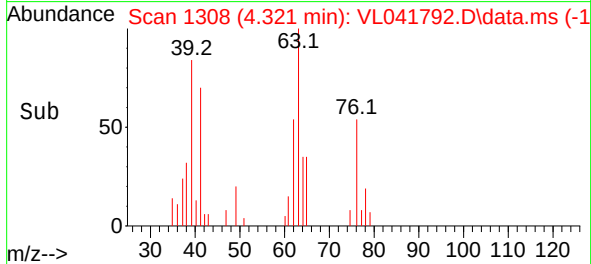
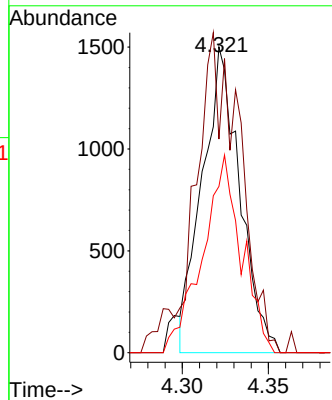
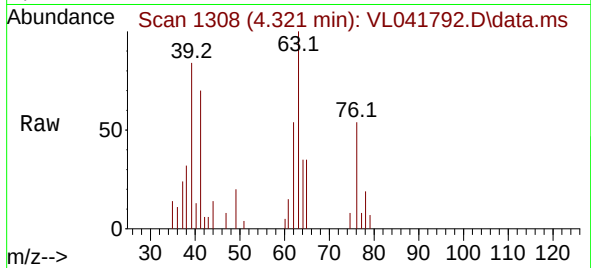
Tgt Ion: 63 Resp: 2280

Ion Ratio Lower Upper

63 100

41 69.9 75.3 112.9#

62 54.4 57.3 85.9#



#40

1,4-Dioxane

Concen: 0.087 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.029 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 88 Resp: 280

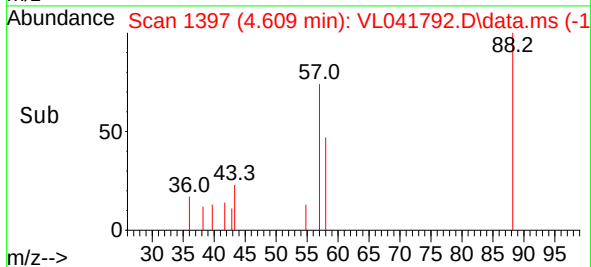
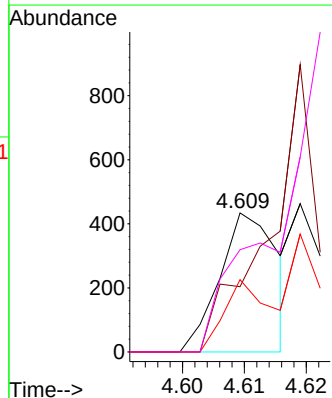
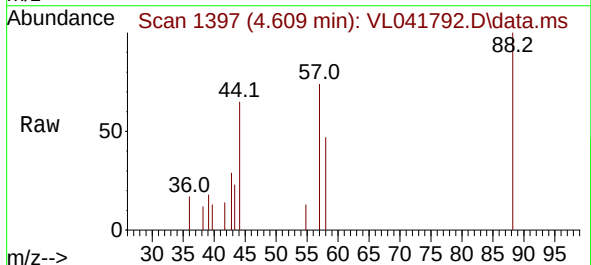
Ion Ratio Lower Upper

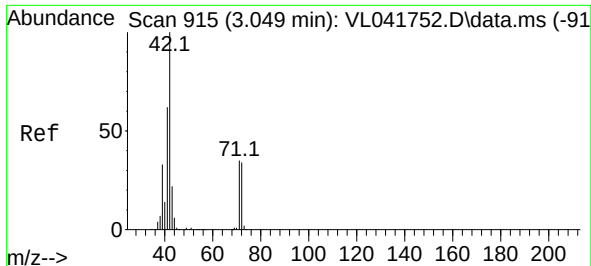
88 100

58 0.0 61.0 91.6#

43 0.0 29.4 44.0#

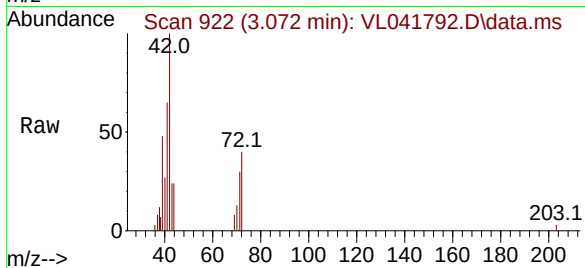
57 0.0 0.0 0.0



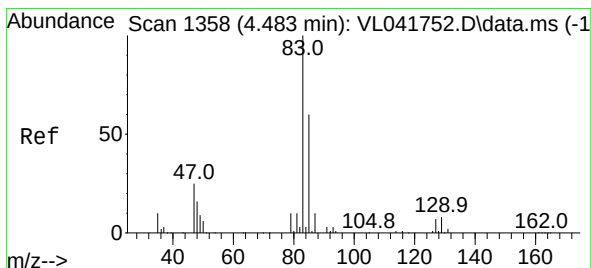
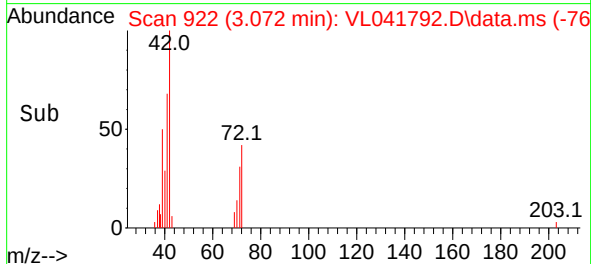
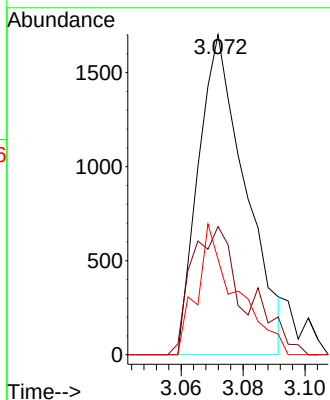


#41  
Tetrahydrofuran  
Concen: 0.226 ppbv  
RT: 3.072 min Scan# 915  
Delta R.T. 0.022 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

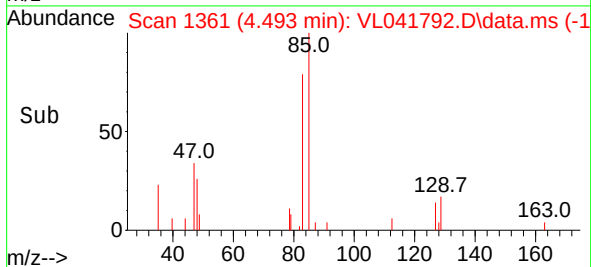
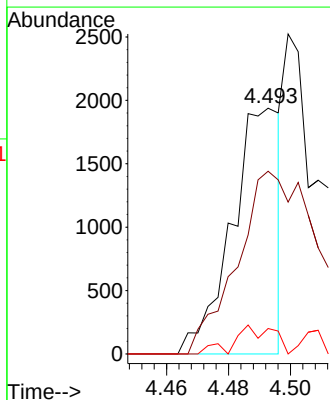
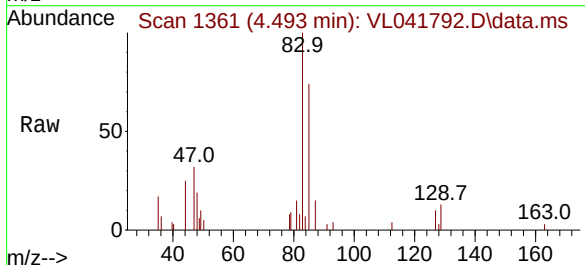


Tgt Ion: 42 Resp: 1788  
Ion Ratio Lower Upper  
42 100  
72 46.1 29.1 43.7#  
71 34.2 28.4 42.6

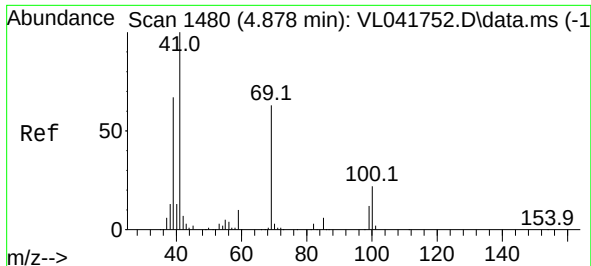


#42  
Bromodichloromethane  
Concen: 0.161 ppbv  
RT: 4.493 min Scan# 1361  
Delta R.T. 0.009 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 83 Resp: 2098  
Ion Ratio Lower Upper  
83 100  
85 74.4 48.0 72.0#  
127 10.4 5.8 8.8#







#43

Methyl Methacrylate

Concen: 0.127 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

MDL 0.4

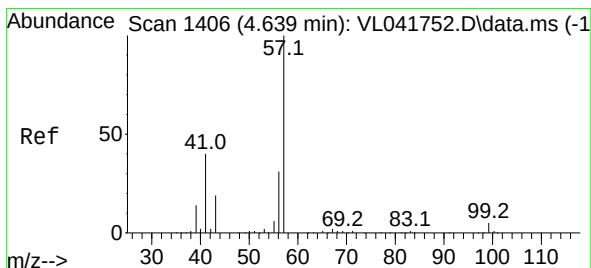
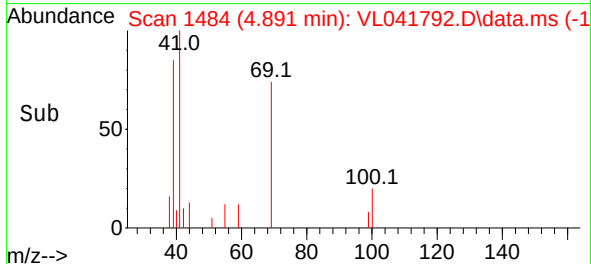
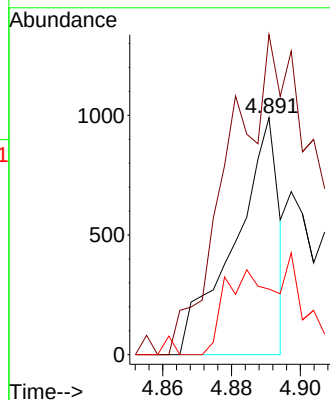
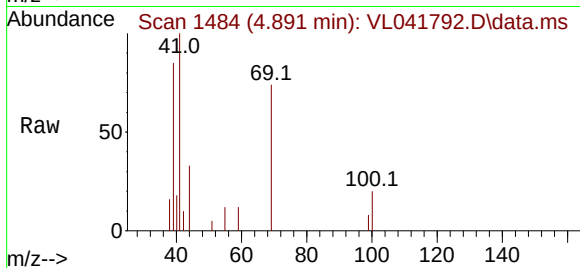
Tgt Ion: 69 Resp: 880

Ion Ratio Lower Upper

69 100

41 289.2 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.154 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

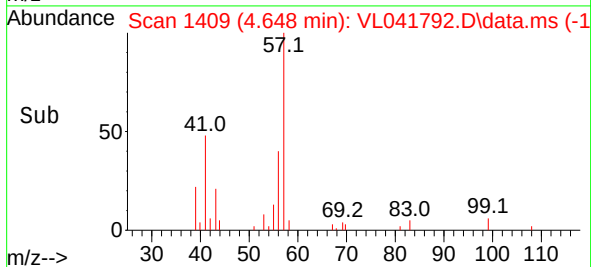
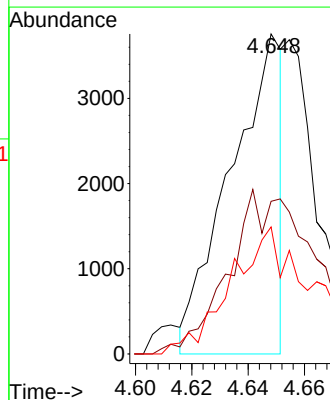
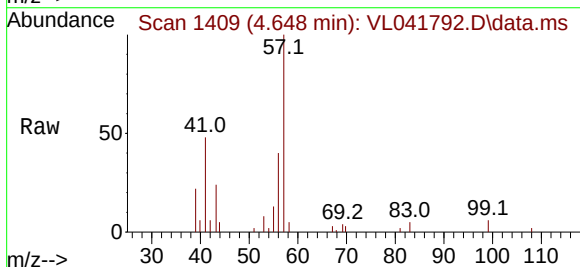
Tgt Ion: 57 Resp: 4764

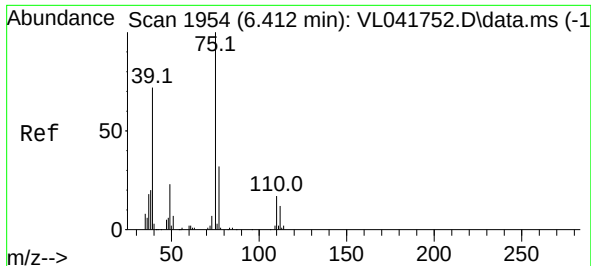
Ion Ratio Lower Upper

57 100

41 86.4 30.7 46.1#

56 60.7 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.089 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

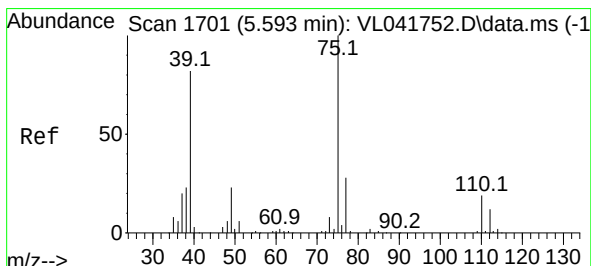
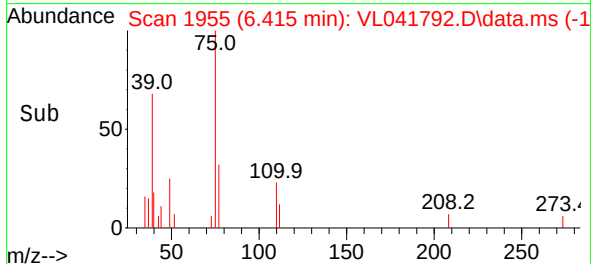
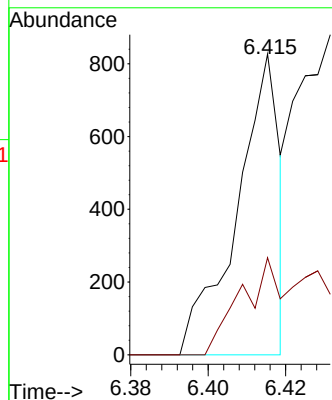
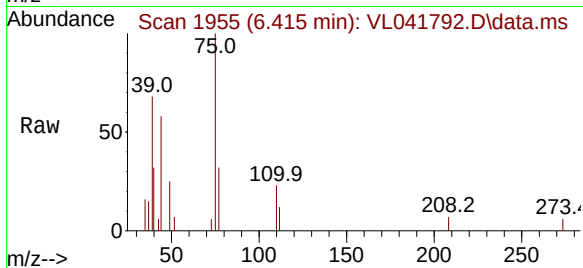
MDL 0.4

Tgt Ion: 75 Resp: 637

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.084 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.022 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

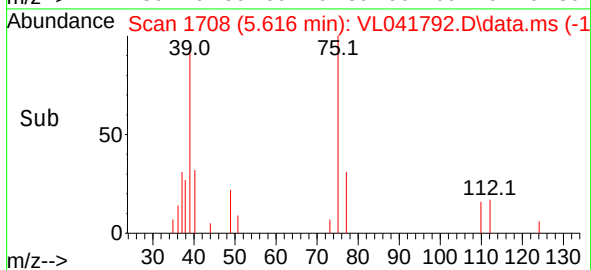
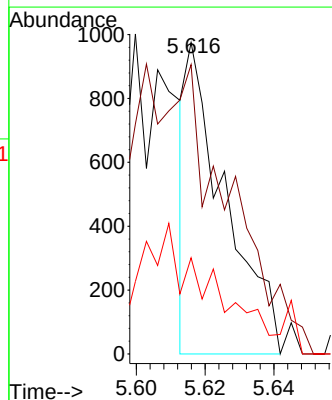
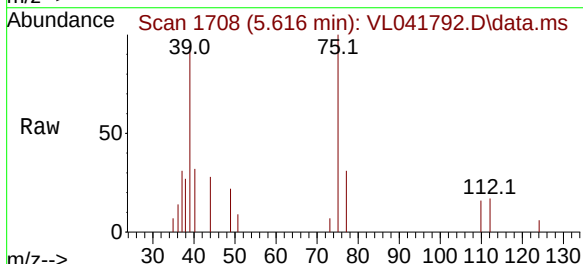
Tgt Ion: 75 Resp: 759

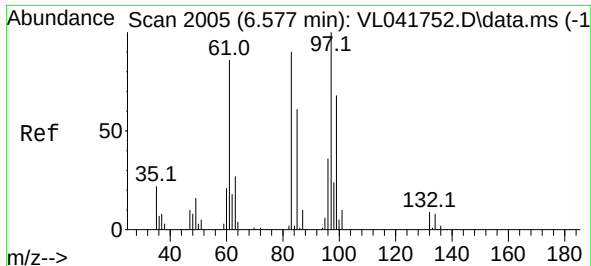
Ion Ratio Lower Upper

75 100

39 70.6 65.2 97.8

77 24.6 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.063 ppbv

RT: 6.590 min Scan# 2005

Delta R.T. 0.013 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

MDL 0.4

Tgt Ion: 97 Resp: 435

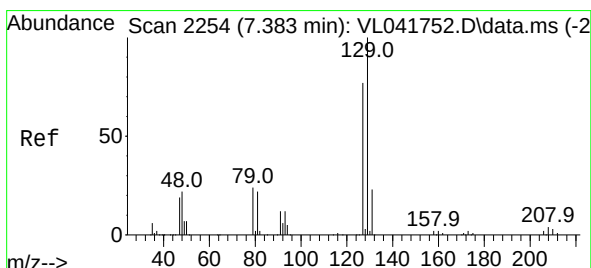
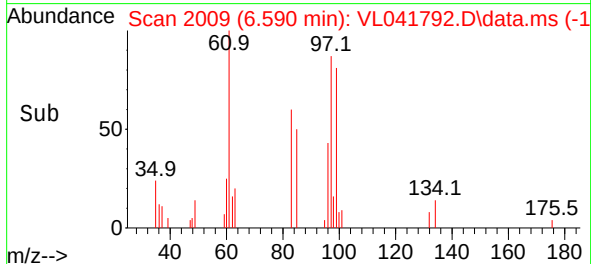
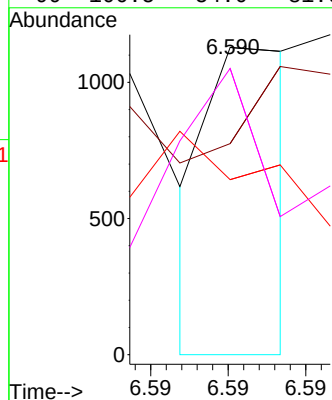
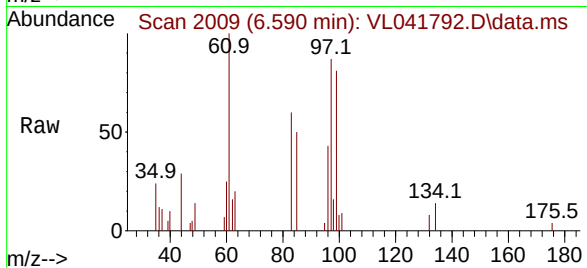
Ion Ratio Lower Upper

97 100

83 13.9 72.3 108.5#

85 0.0 48.5 72.7#

99 106.5 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.184 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.009 min

Lab File: VL041792.D

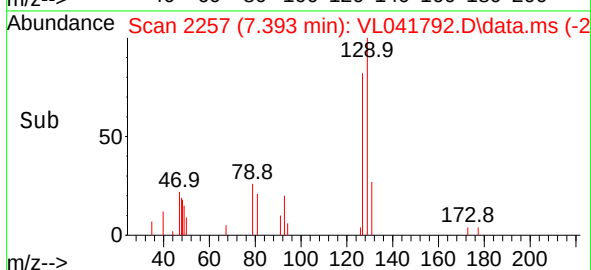
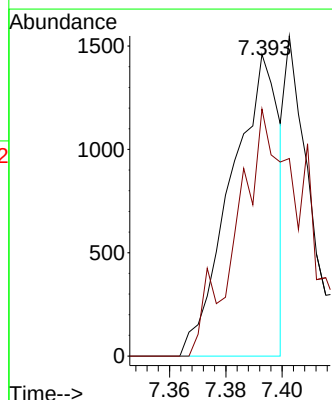
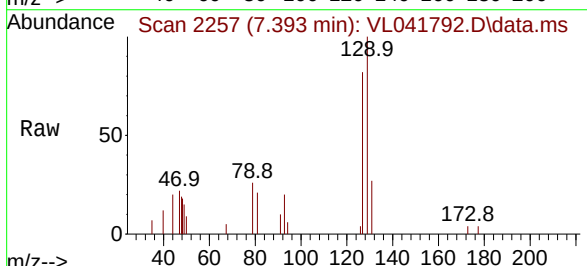
Acq: 18 Dec 2024 13:30

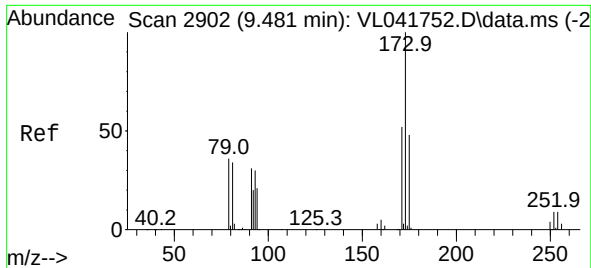
Tgt Ion: 129 Resp: 1726

Ion Ratio Lower Upper

129 100

127 115.3 38.8 116.3





#49

Bromoform

Concen: 0.073 ppbv

RT: 9.497 min Scan# 20

Delta R.T. 0.016 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

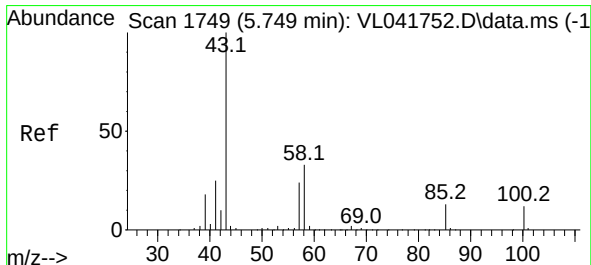
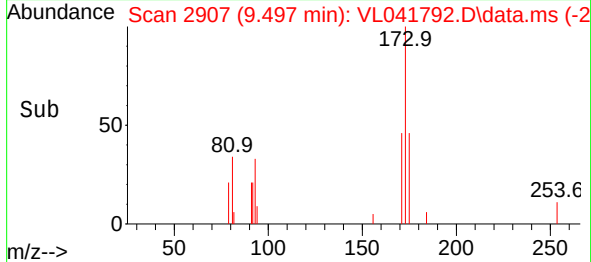
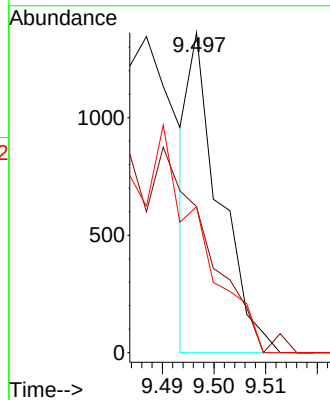
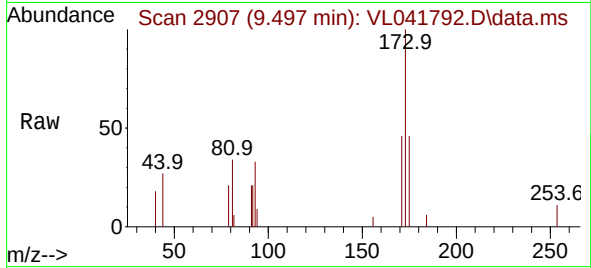
Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:173 | Resp: | 556        |
| Ion Ratio   | Lower | Upper      |
| 173         | 100   |            |
| 175         | 0.0   | 38.2 57.2# |
| 171         | 0.0   | 41.1 61.7# |



#50

4-Methyl-2-Pentanone

Concen: 0.204 ppbv

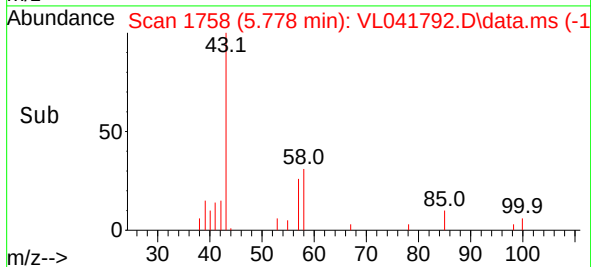
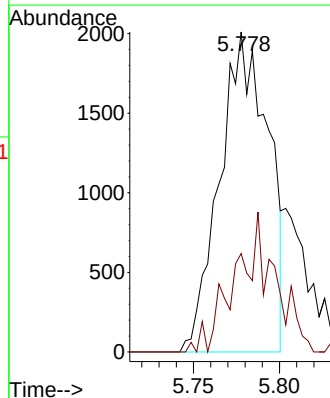
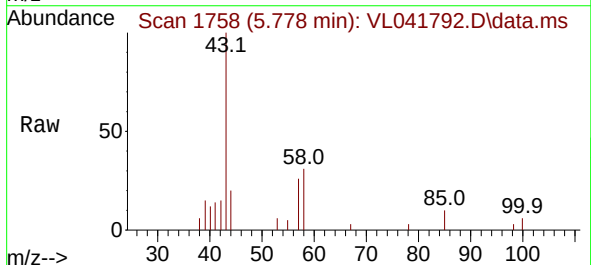
RT: 5.778 min Scan# 1758

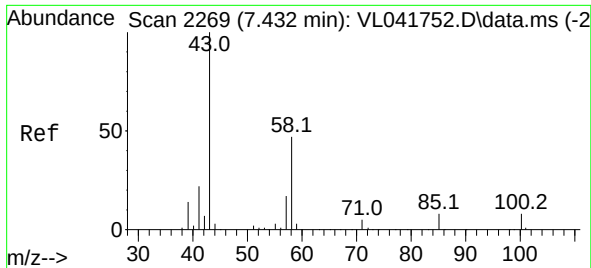
Delta R.T. 0.029 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 43 | Resp: | 3923      |
| Ion Ratio   | Lower | Upper     |
| 43          | 100   |           |
| 58          | 36.4  | 26.8 40.2 |

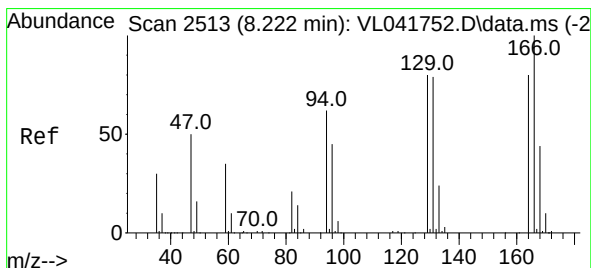
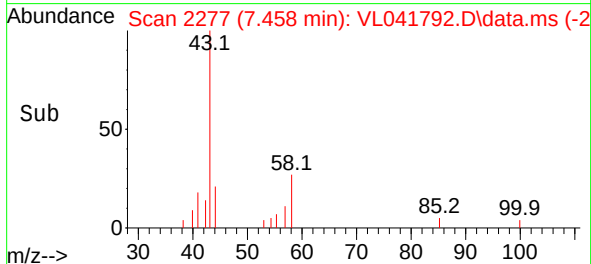
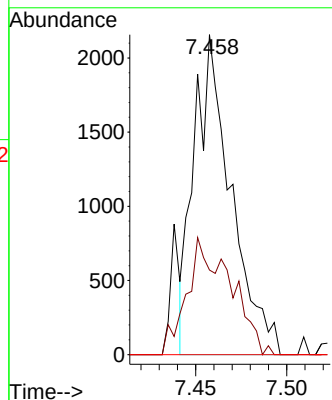
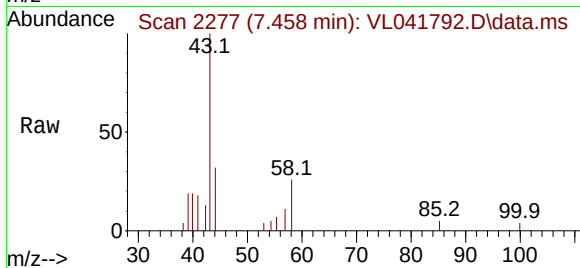




#51  
2-Hexanone  
Concen: 0.196 ppbv  
RT: 7.458 min Scan# 21  
Delta R.T. 0.026 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

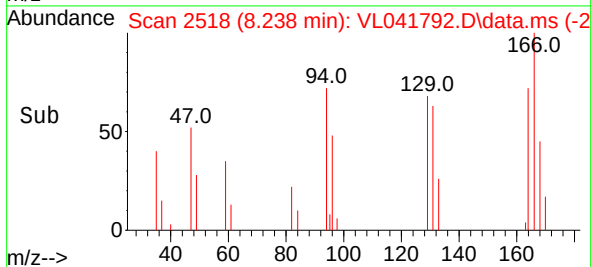
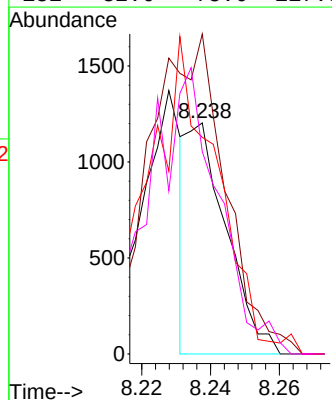
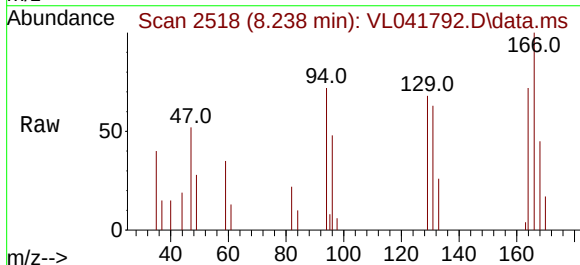
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

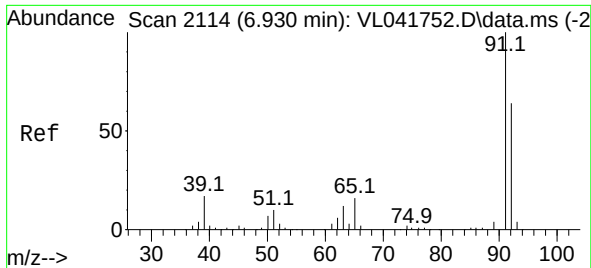
Tgt Ion: 43 Resp: 3050  
Ion Ratio Lower Upper  
43 100  
58 43.2 36.6 55.0  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.141 ppbv  
RT: 8.238 min Scan# 2518  
Delta R.T. 0.016 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 164 Resp: 950  
Ion Ratio Lower Upper  
164 100  
166 130.0 99.8 149.6  
129 89.0 79.6 119.4  
131 82.6 78.6 117.8





#53

Toluene

Concen: 0.168 ppbv

RT: 6.940 min Scan# 2114

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

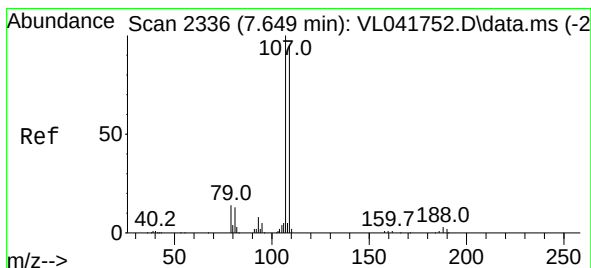
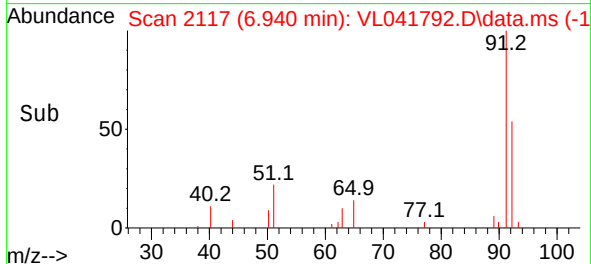
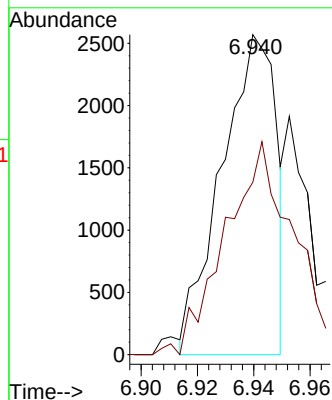
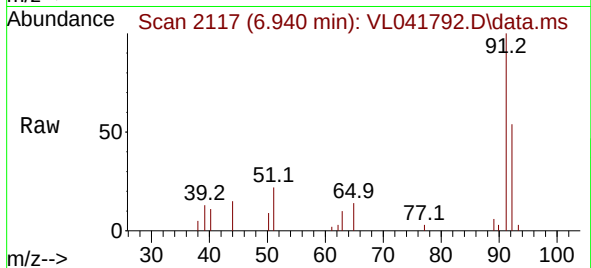
MDL 0.4

Tgt Ion: 91 Resp: 3469

Ion Ratio Lower Upper

91 100

92 83.0 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.282 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.009 min

Lab File: VL041792.D

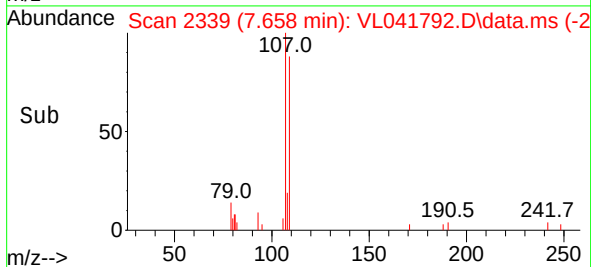
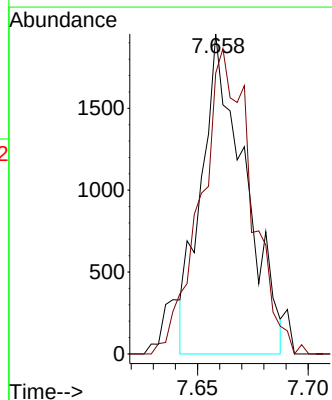
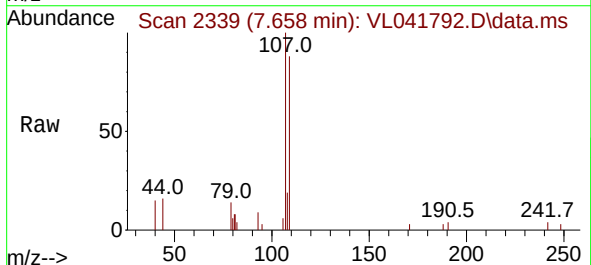
Acq: 18 Dec 2024 13:30

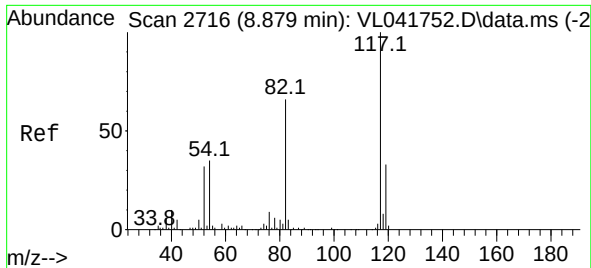
Tgt Ion: 107 Resp: 2668

Ion Ratio Lower Upper

107 100

109 88.7 75.9 113.9

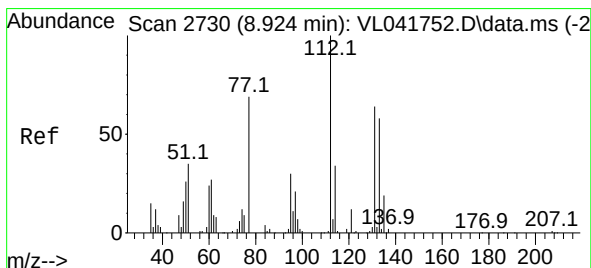
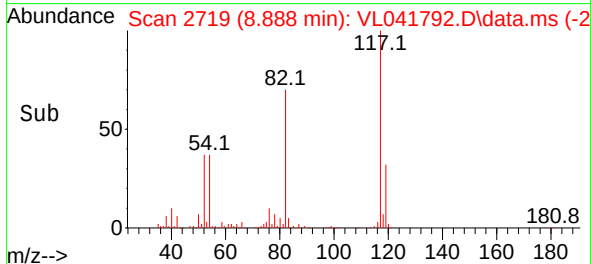
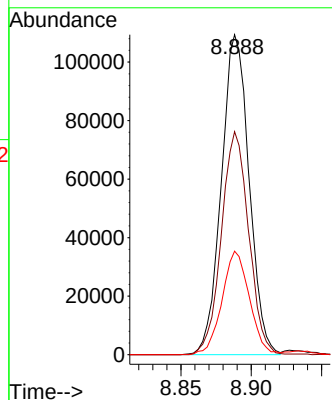
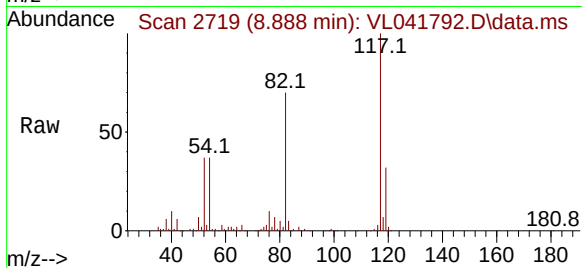




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2716  
Delta R.T. 0.009 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

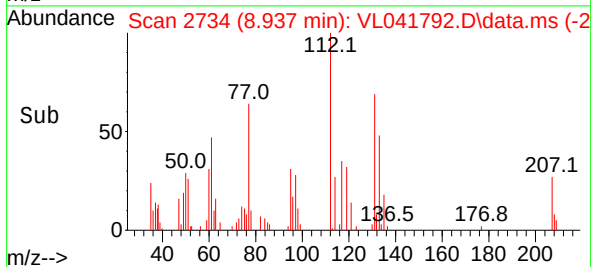
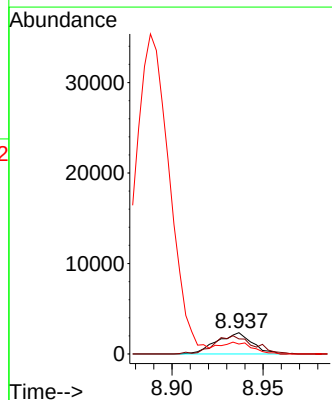
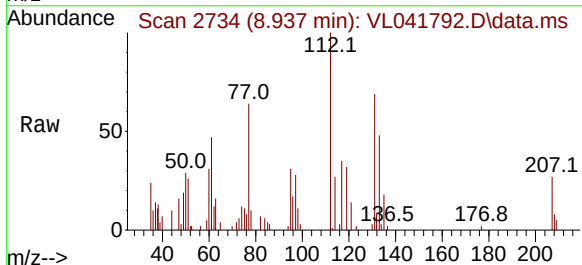
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

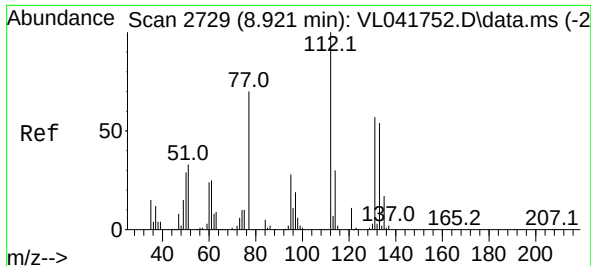
Tgt Ion:117 Resp: 149982  
Ion Ratio Lower Upper  
117 100  
82 68.8 53.8 80.8  
119 33.0 26.7 40.1



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.398 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. 0.013 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion:131 Resp: 3161  
Ion Ratio Lower Upper  
131 100  
133 94.6 76.8 115.2  
119 1563.8 49.0 73.6#

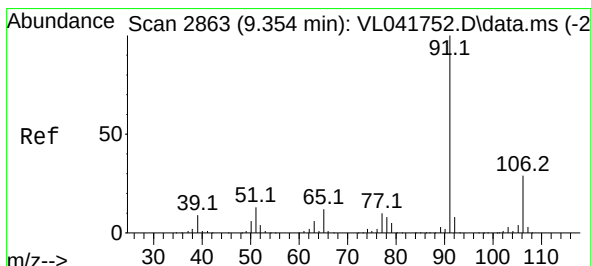
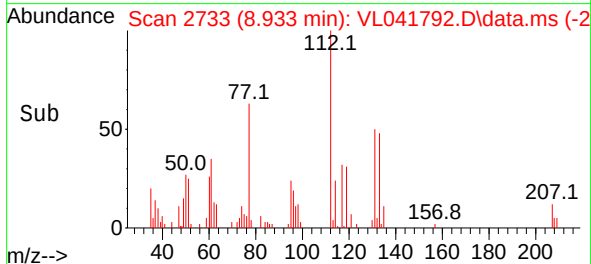
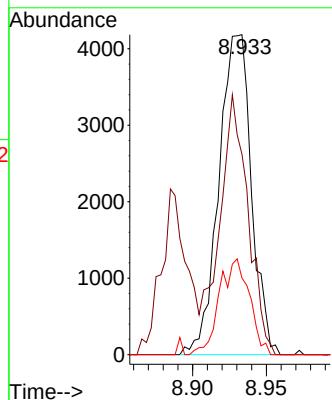
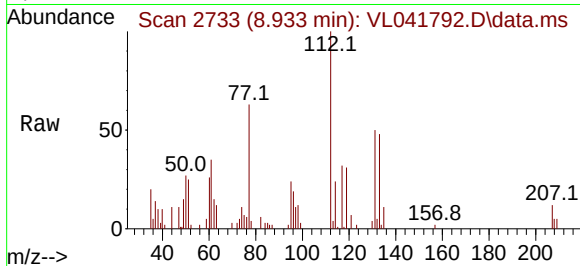




#57  
Chlorobenzene  
Concen: 0.419 ppbv  
RT: 8.933 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

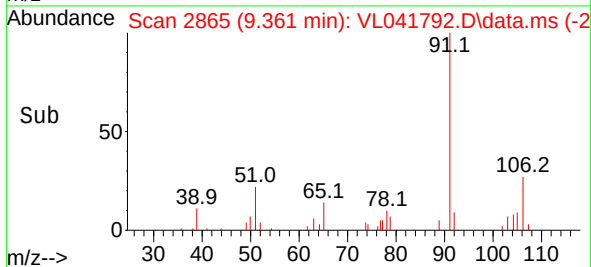
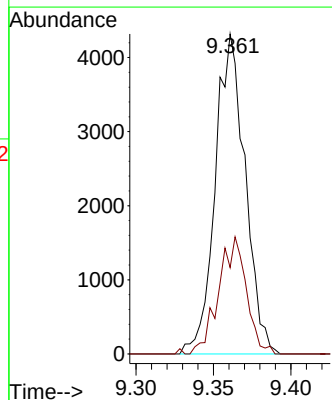
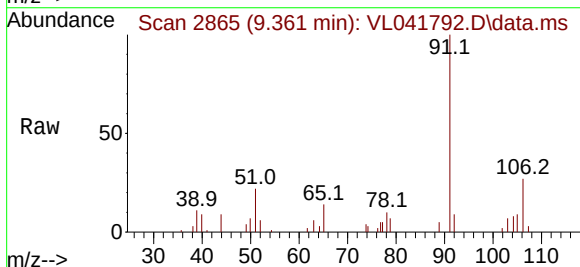
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion:112 Resp: 6429  
Ion Ratio Lower Upper  
112 100  
77 62.7 57.4 86.0  
114 23.9 27.4 33.4#

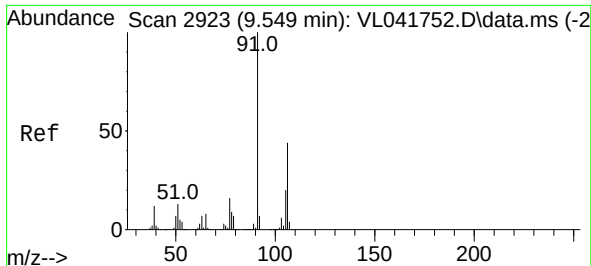


#58  
Ethyl Benzene  
Concen: 0.214 ppbv  
RT: 9.361 min Scan# 2865  
Delta R.T. 0.006 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion: 91 Resp: 5789  
Ion Ratio Lower Upper  
91 100  
106 27.0 23.5 35.3







#59

m/p-Xylene

Concen: 0.181 ppbv

RT: 9.555 min Scan# 2923

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

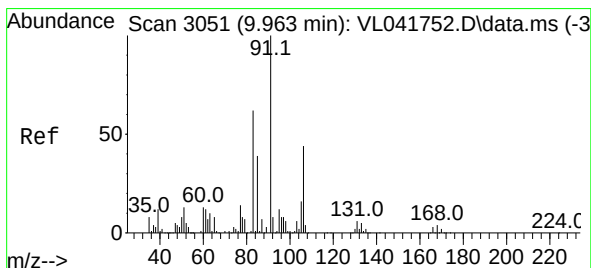
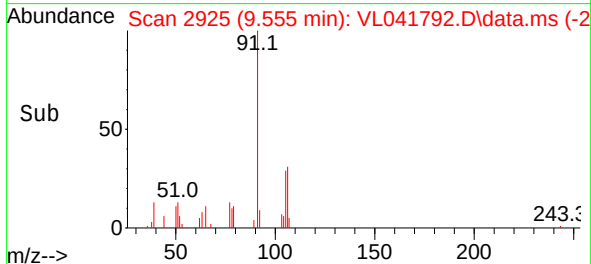
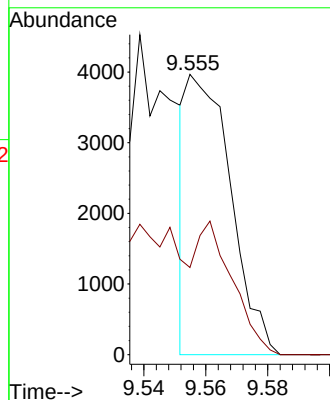
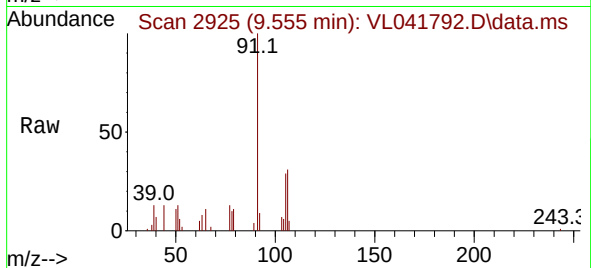
MDL 0.4

Tgt Ion: 91 Resp: 3921

Ion Ratio Lower Upper

91 100

106 112.5 0.0 0.0#



#60

o-Xylene

Concen: 0.211 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL041792.D

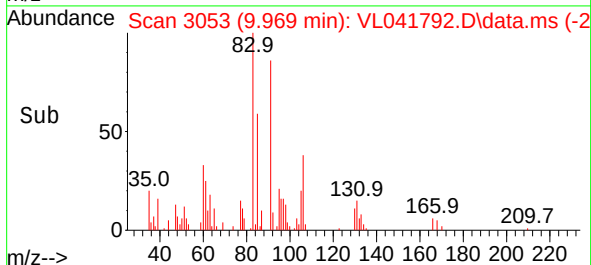
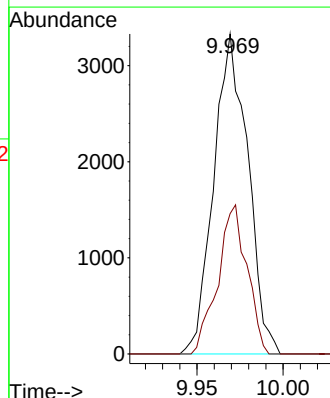
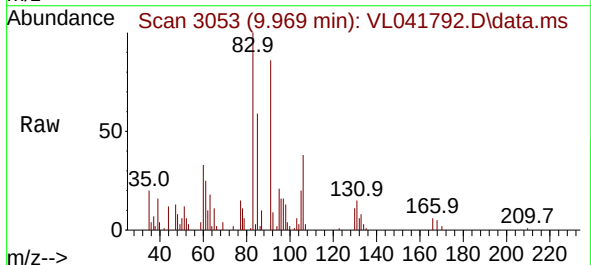
Acq: 18 Dec 2024 13:30

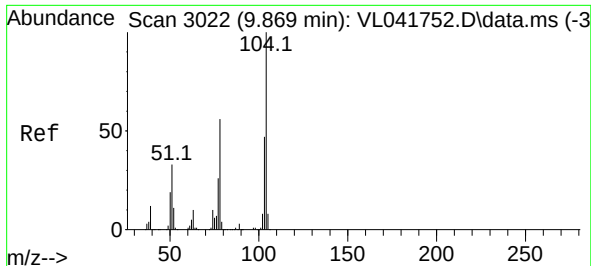
Tgt Ion: 91 Resp: 4585

Ion Ratio Lower Upper

91 100

106 40.1 21.1 63.4





#61

Styrene

Concen: 0.193 ppbv

RT: 9.875 min Scan# 3022

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

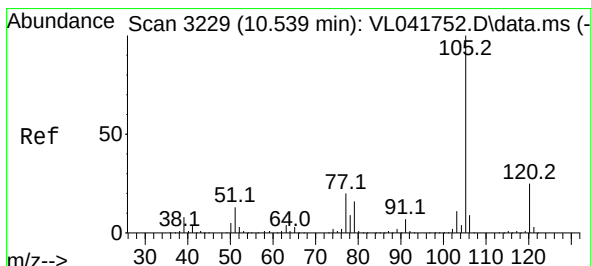
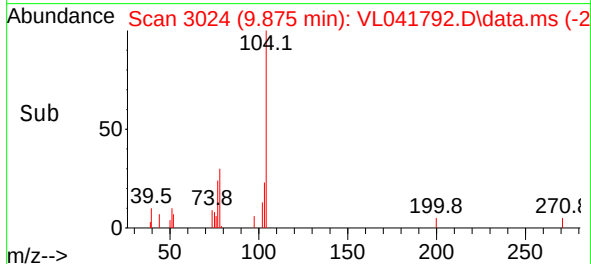
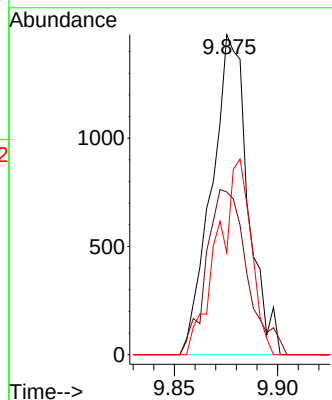
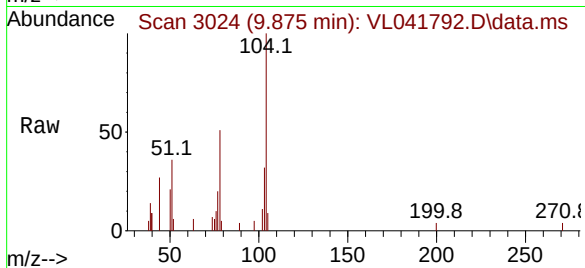
Tgt Ion:104 Resp: 1818

Ion Ratio Lower Upper

104 100

78 57.3 43.8 65.6

103 56.1 37.8 56.6



#62

Isopropylbenzene

Concen: 0.260 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.006 min

Lab File: VL041792.D

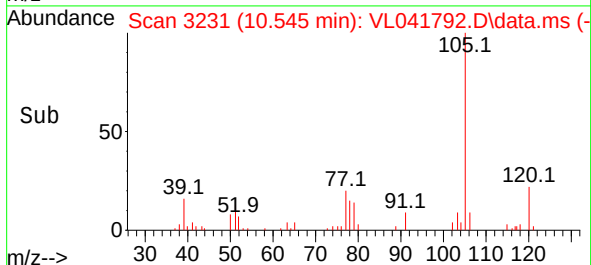
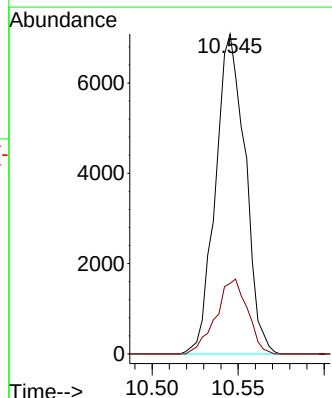
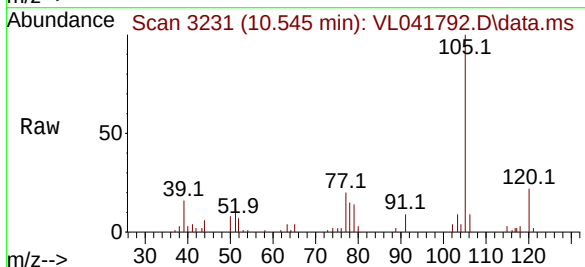
Acq: 18 Dec 2024 13:30

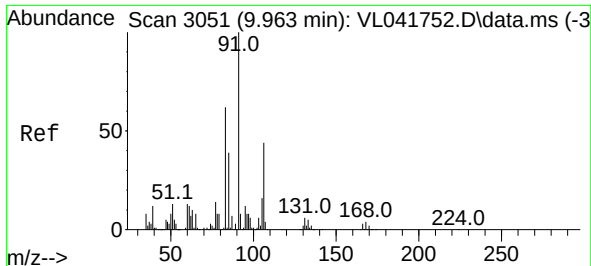
Tgt Ion:105 Resp: 8515

Ion Ratio Lower Upper

105 100

120 24.8 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.370 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

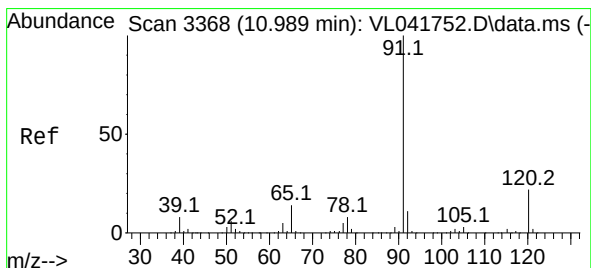
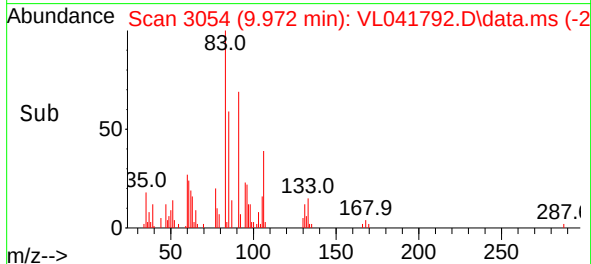
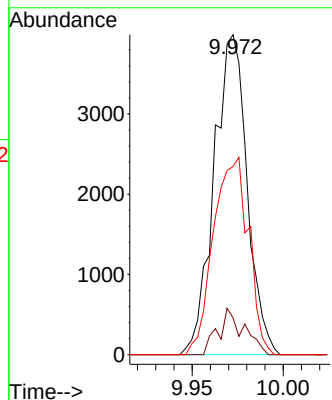
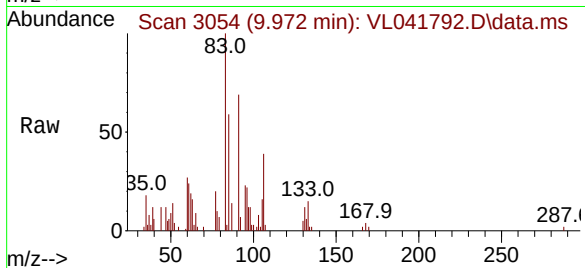
Tgt Ion: 83 Resp: 5038

Ion Ratio Lower Upper

83 100

131 11.2 4.9 14.7

85 65.5 32.0 96.2



#64

n-propylbenzene

Concen: 0.224 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.006 min

Lab File: VL041792.D

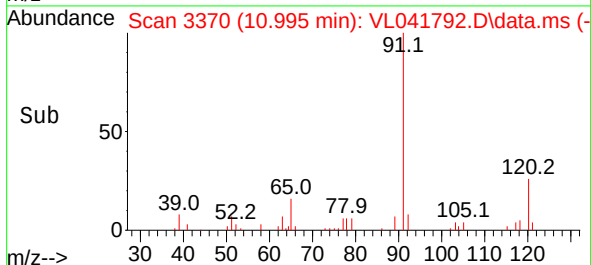
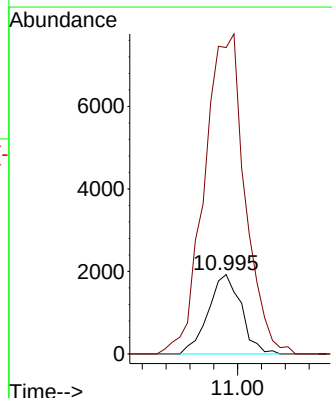
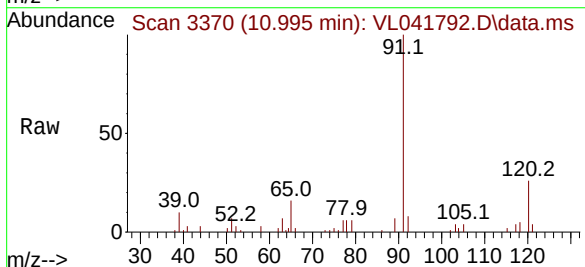
Acq: 18 Dec 2024 13:30

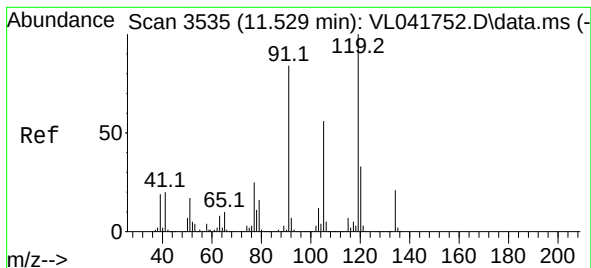
Tgt Ion: 120 Resp: 1852

Ion Ratio Lower Upper

120 100

91 496.7 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.209 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

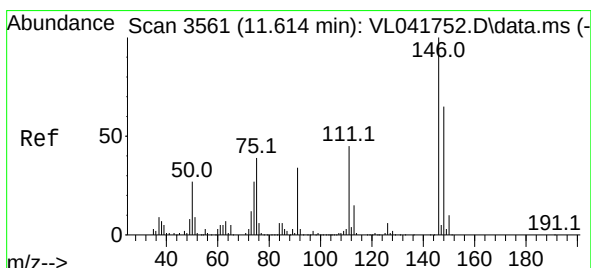
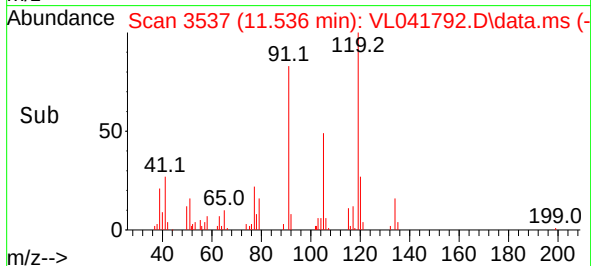
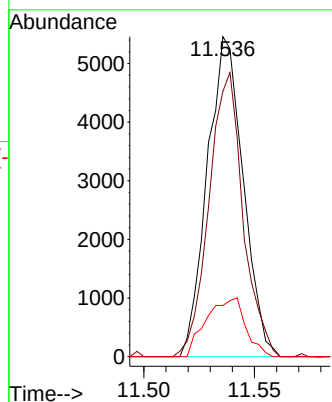
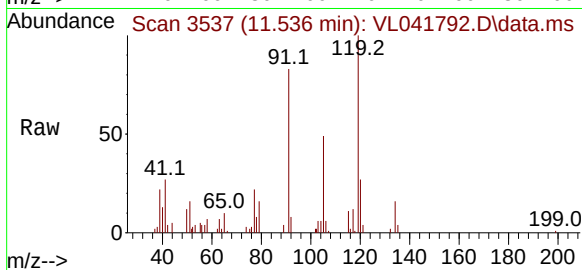
Tgt Ion:119 Resp: 6166

Ion Ratio Lower Upper

119 100

91 84.4 67.0 100.4

134 20.0 16.5 24.7



#66

Benzyl Chloride

Concen: 0.268 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

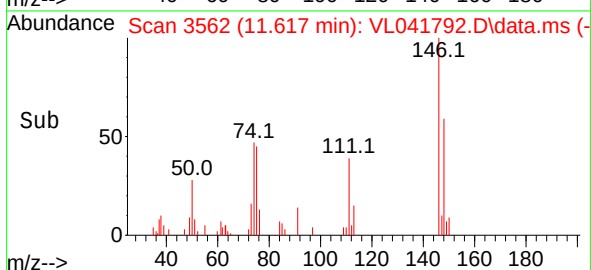
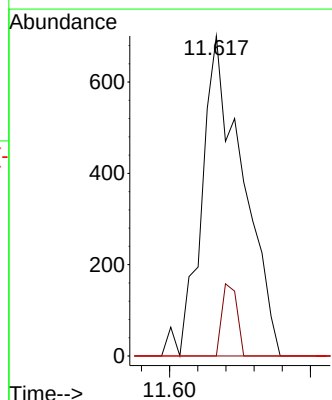
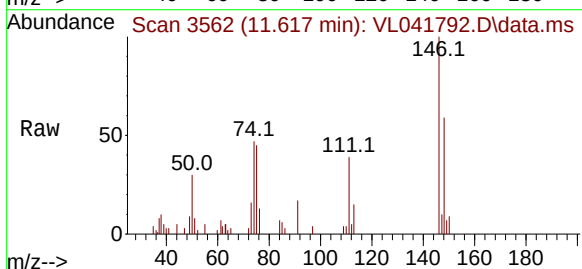
Tgt Ion: 91 Resp: 697

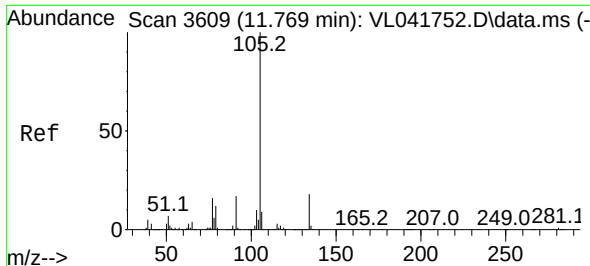
Ion Ratio Lower Upper

91 100

126 8.3 13.9 20.9#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.231 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

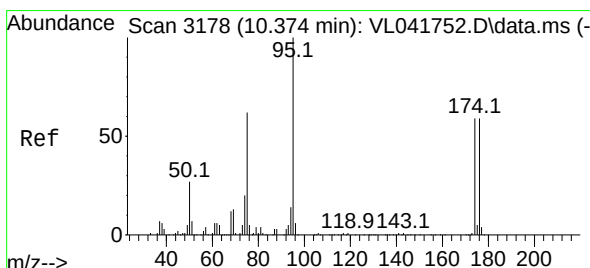
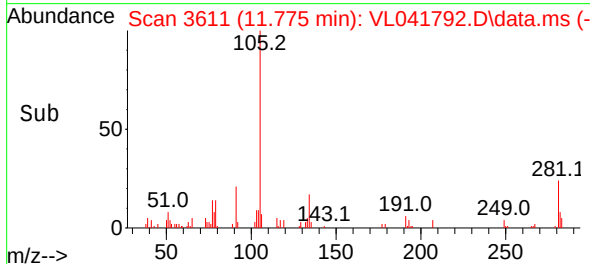
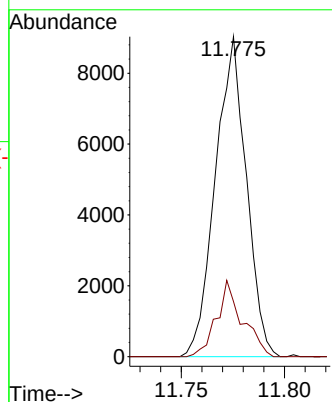
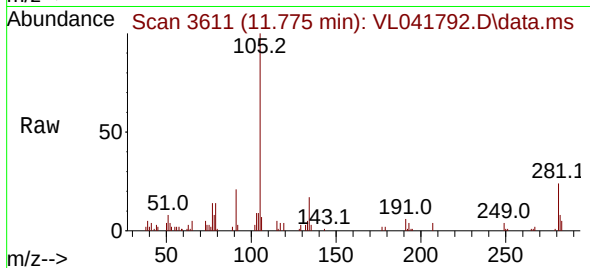
MDL 0.4

Tgt Ion:105 Resp: 9417

Ion Ratio Lower Upper

105 100

134 19.9 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.373 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

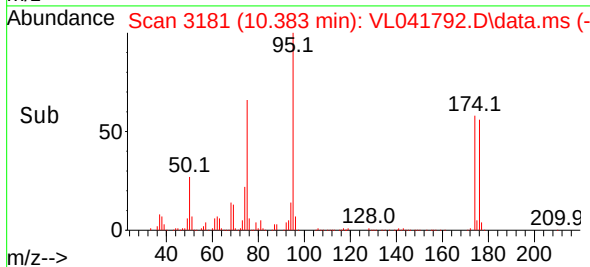
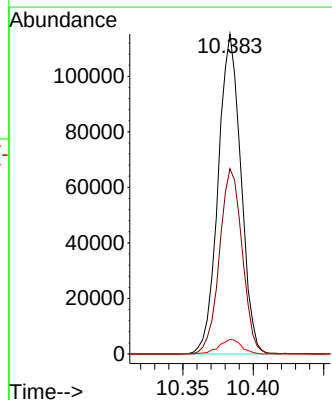
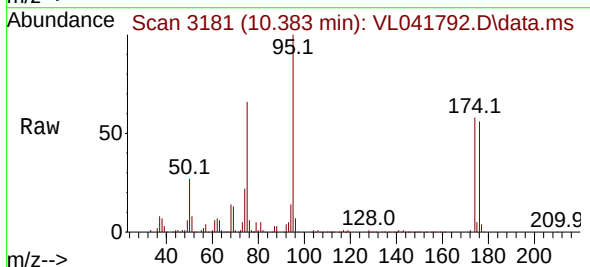
Tgt Ion: 95 Resp: 129651

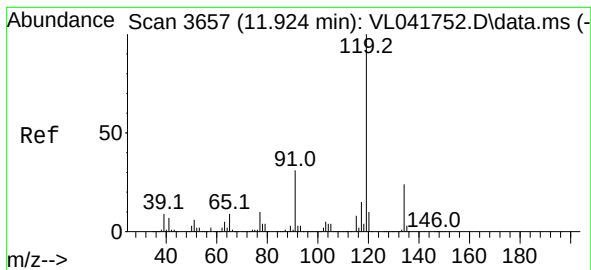
Ion Ratio Lower Upper

95 100

174 57.9 47.6 71.4

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.199 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

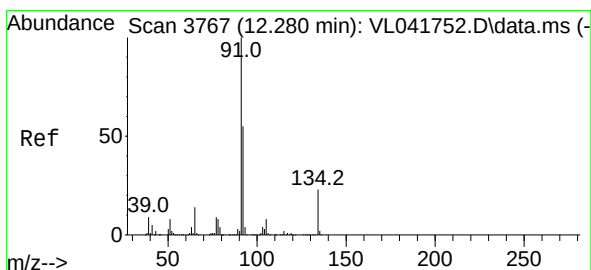
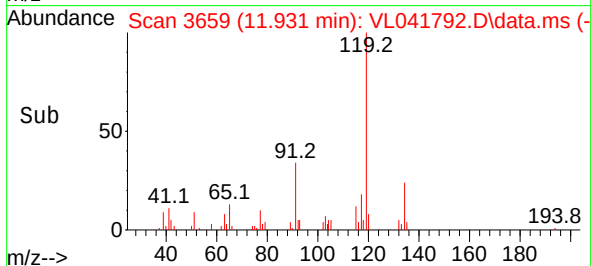
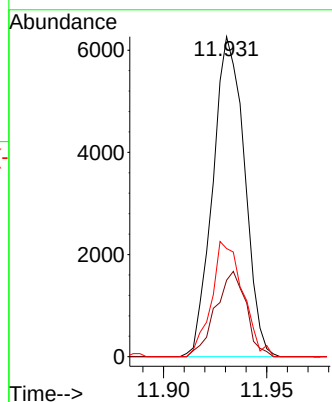
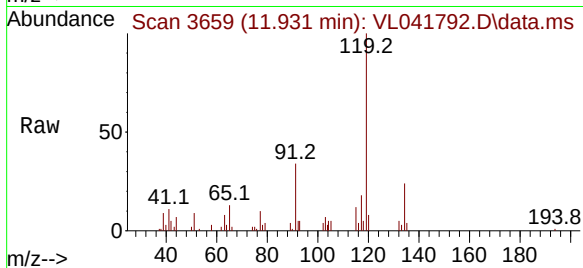
Tgt Ion:119 Resp: 6695

Ion Ratio Lower Upper

119 100

134 25.7 19.6 29.4

91 35.6 24.4 36.6



#70

n-Butylbenzene

Concen: 0.194 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

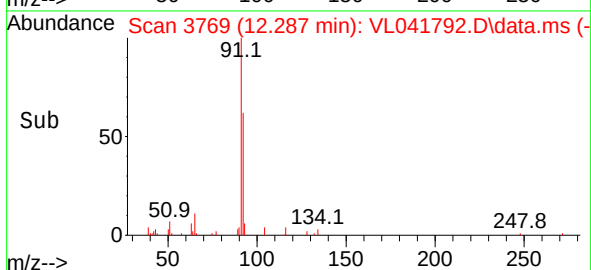
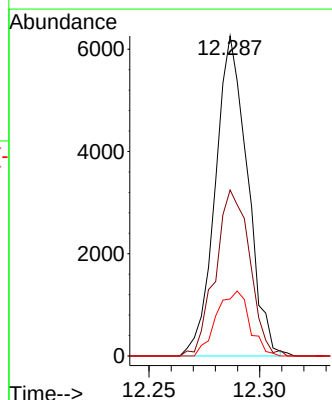
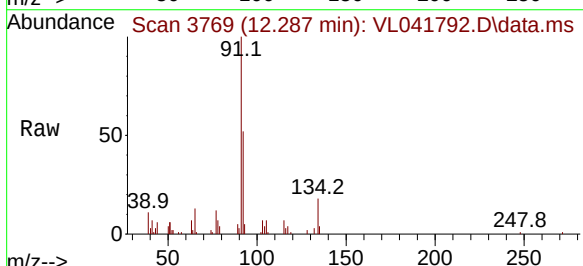
Tgt Ion: 91 Resp: 6317

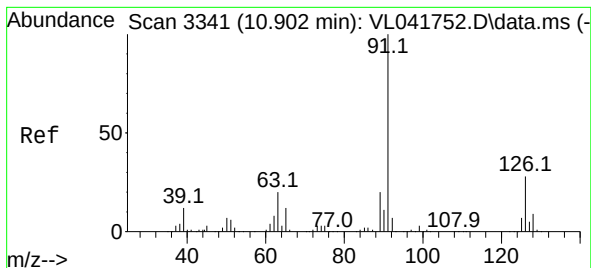
Ion Ratio Lower Upper

91 100

92 55.3 43.2 64.8

134 20.9 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.226 ppbv

RT: 10.908 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

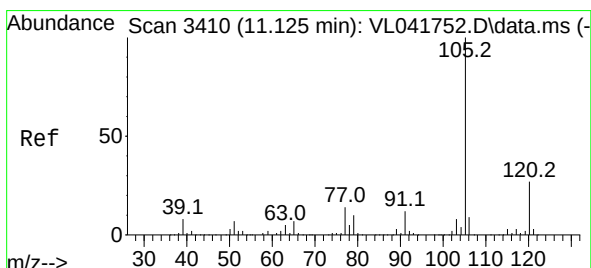
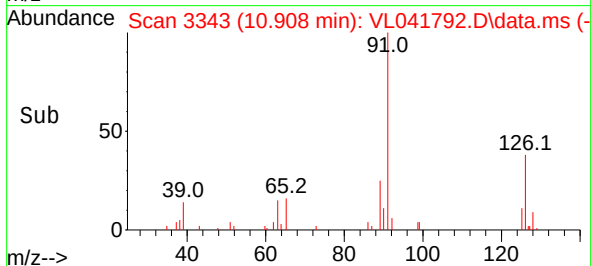
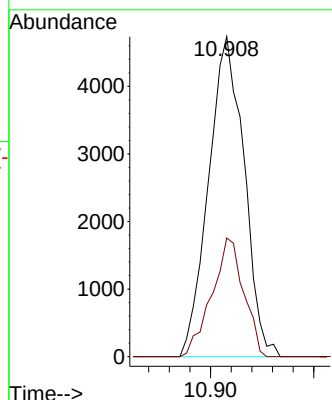
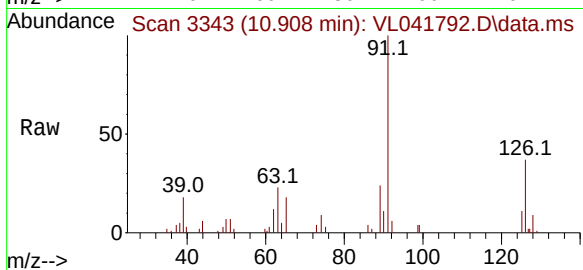
MDL 0.4

Tgt Ion: 91 Resp: 5650

Ion Ratio Lower Upper

91 100

126 33.4 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.193 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion: 105 Resp: 4955

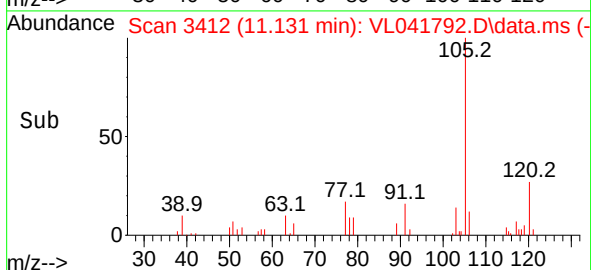
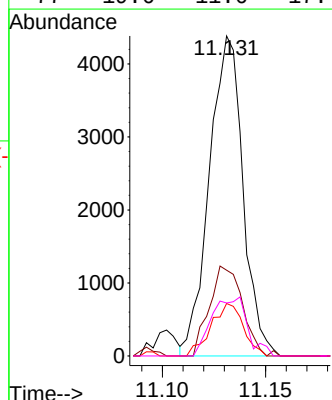
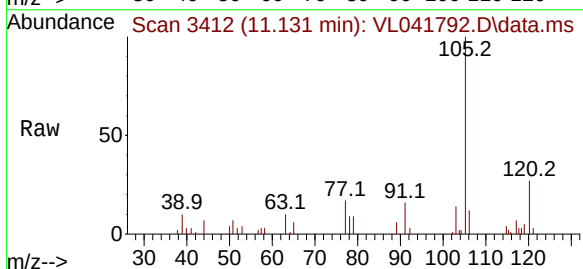
Ion Ratio Lower Upper

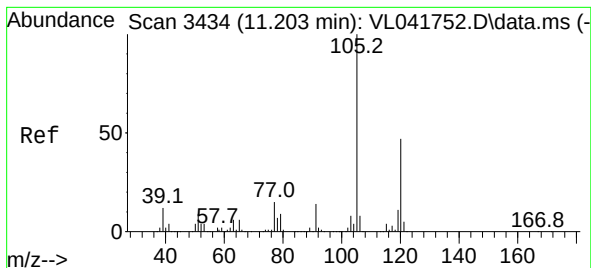
105 100

120 29.3 23.3 34.9

91 15.8 10.9 16.3

77 19.6 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.207 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

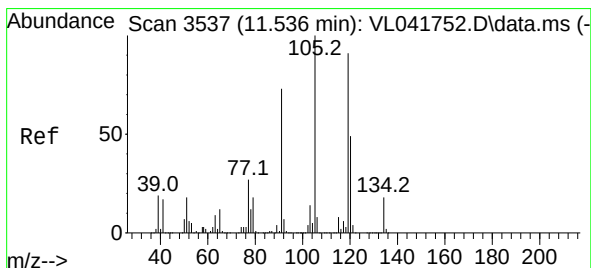
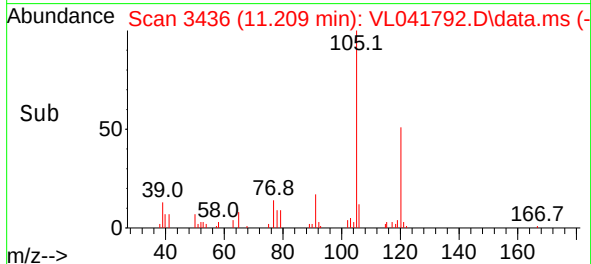
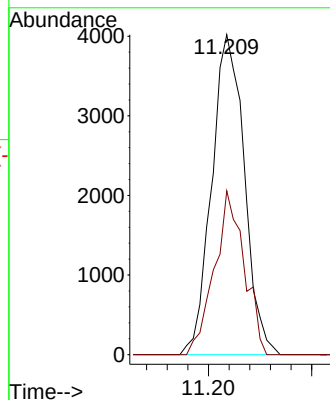
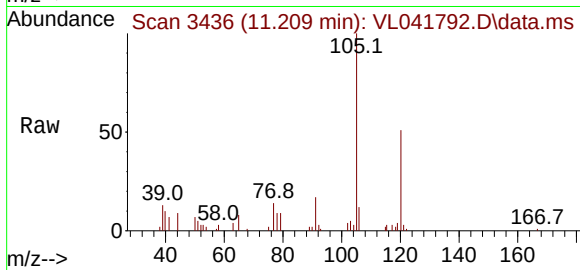
MDL 0.4

Tgt Ion:105 Resp: 4408

Ion Ratio Lower Upper

105 100

120 51.2 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.202 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Tgt Ion:105 Resp: 4624

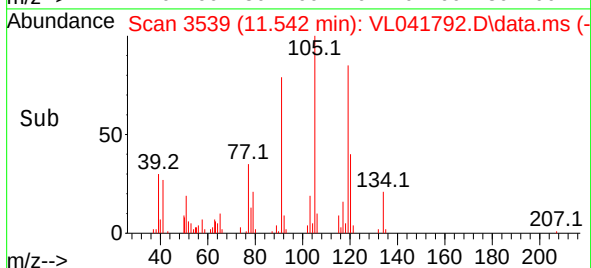
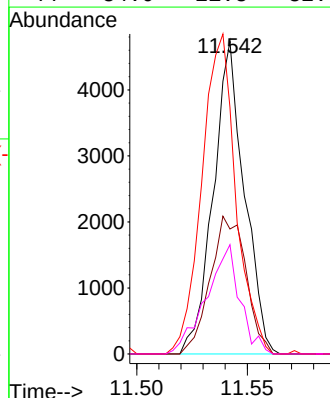
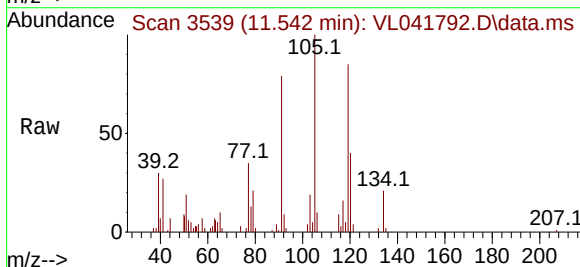
Ion Ratio Lower Upper

105 100

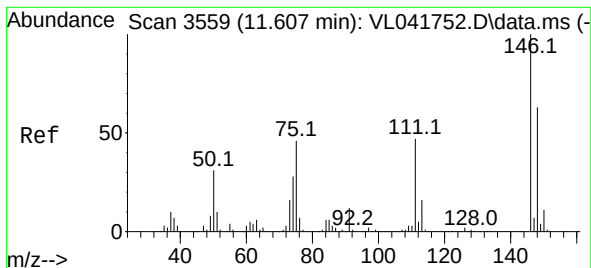
120 40.0 39.0 58.4

91 78.9 58.1 87.1

77 34.9 21.8 32.8#







#75

1,3-Dichlorobenzene

Concen: 0.336 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_1

ClientSampleId :

MDL 0.4

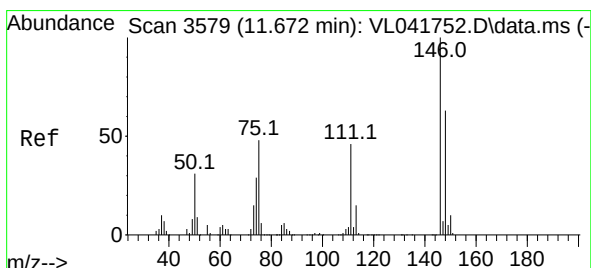
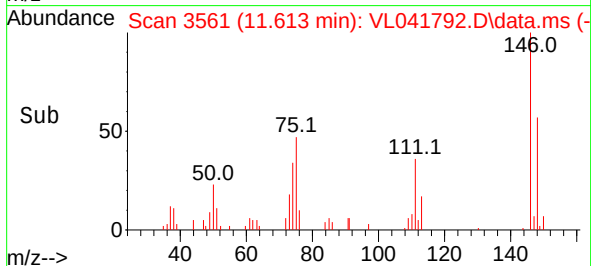
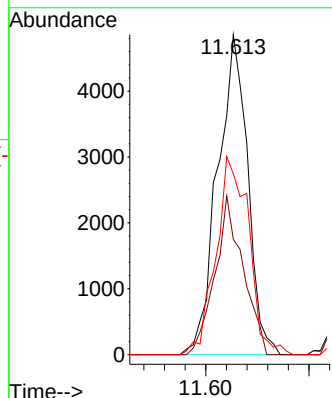
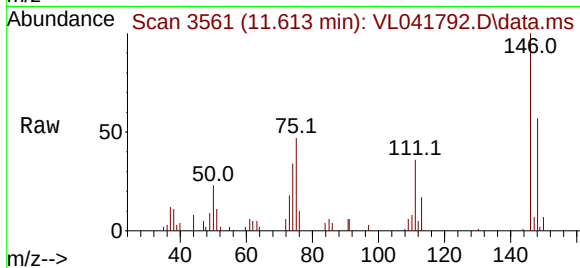
Tgt Ion:146 Resp: 4916

Ion Ratio Lower Upper

146 100

111 46.2 23.4 70.3

148 67.6 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.301 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

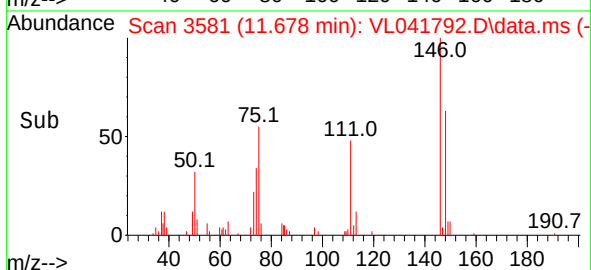
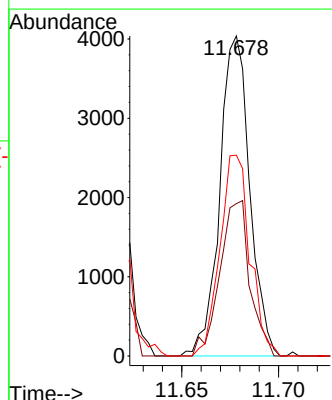
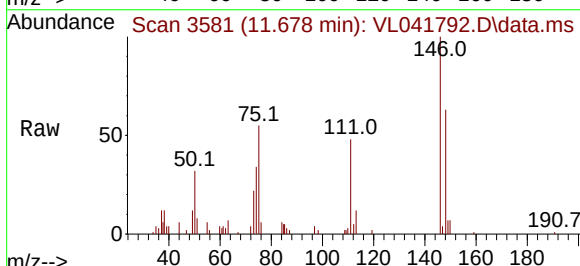
Tgt Ion:146 Resp: 4344

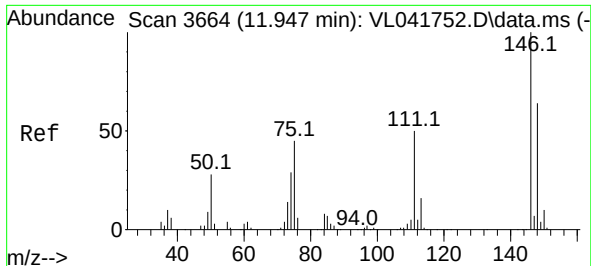
Ion Ratio Lower Upper

146 100

111 48.7 22.7 68.1

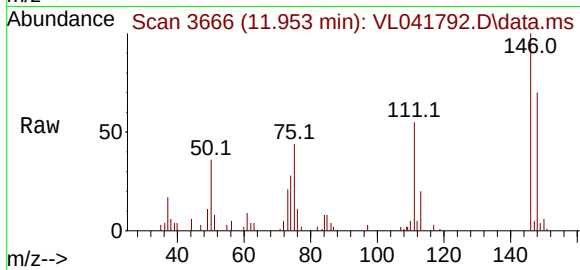
148 62.9 31.4 94.0



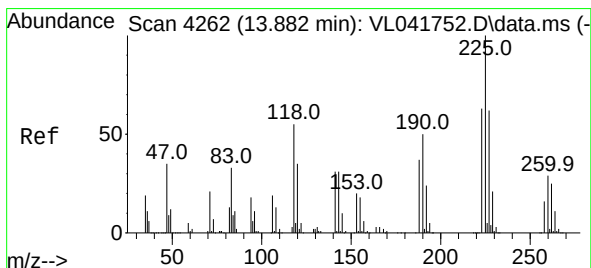
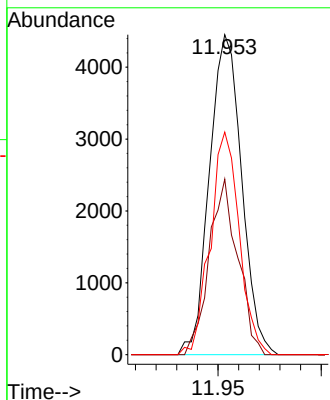
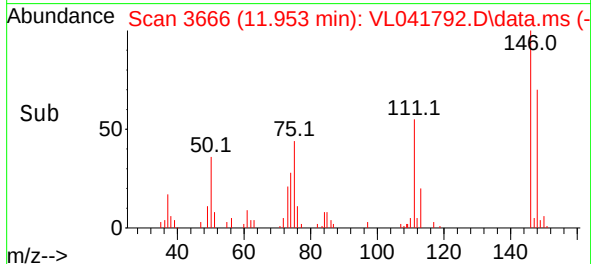


#77  
1,2-Dichlorobenzene  
Concen: 0.343 ppbv  
RT: 11.953 min Scan# 3666  
Delta R.T. 0.006 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

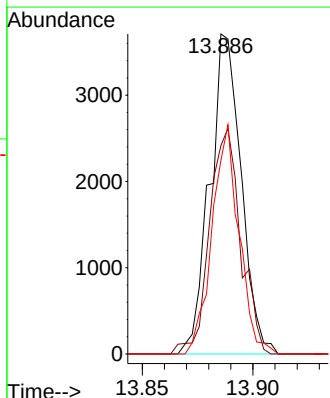
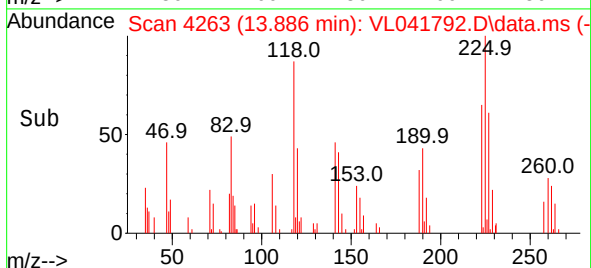
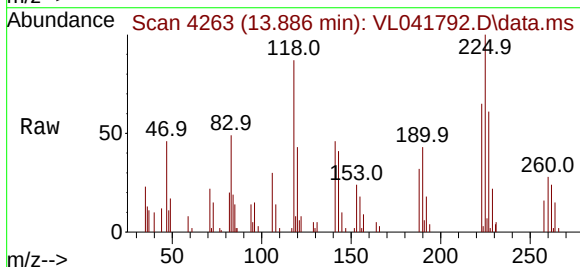


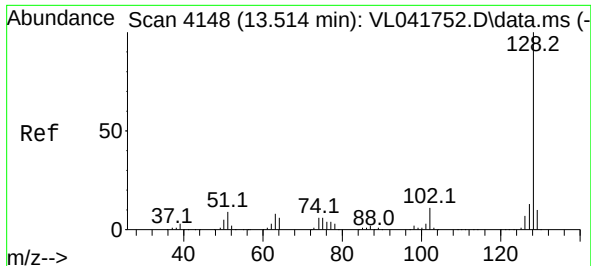
Tgt Ion:146 Resp: 4825  
Ion Ratio Lower Upper  
146 100  
111 49.0 24.8 74.3  
148 62.8 31.8 95.4



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.350 ppbv  
RT: 13.886 min Scan# 4263  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Tgt Ion:225 Resp: 3653  
Ion Ratio Lower Upper  
225 100  
223 70.2 50.5 75.7  
227 61.5 50.3 75.5





#79

Naphthalene

Concen: 0.129 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

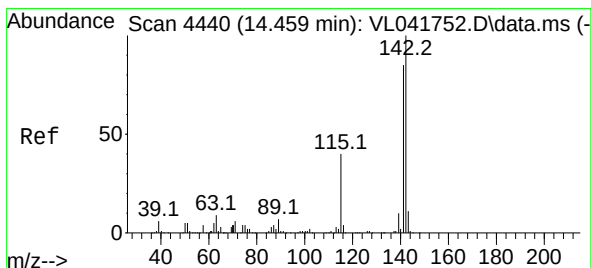
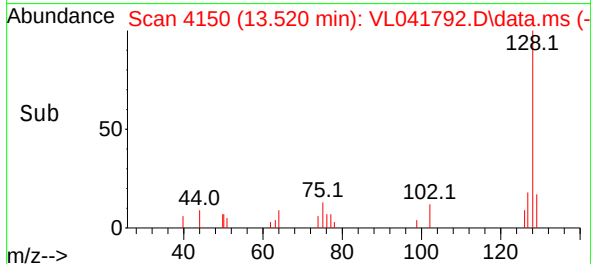
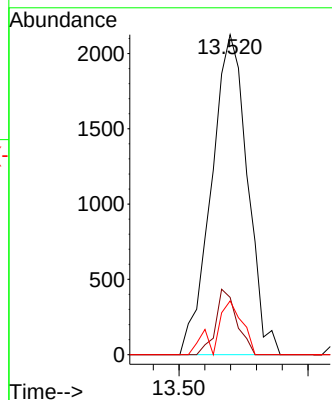
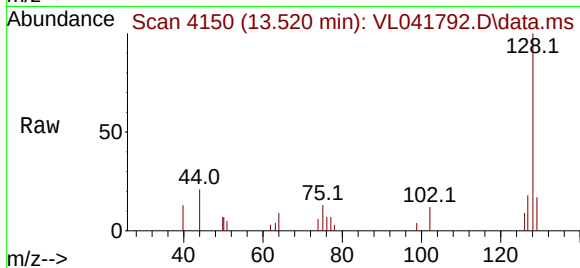
Tgt Ion:128 Resp: 2064

Ion Ratio Lower Upper

128 100

127 17.9 10.7 16.1#

129 16.8 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.048 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041792.D

Acq: 18 Dec 2024 13:30

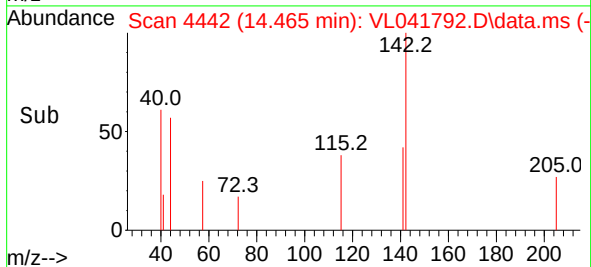
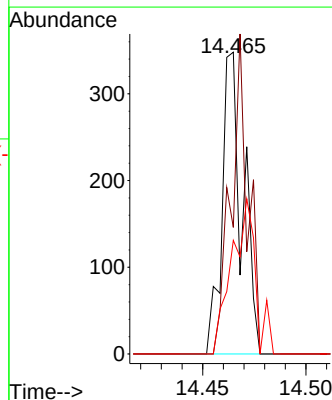
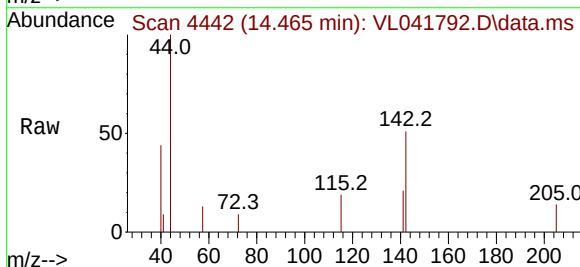
Tgt Ion:142 Resp: 239

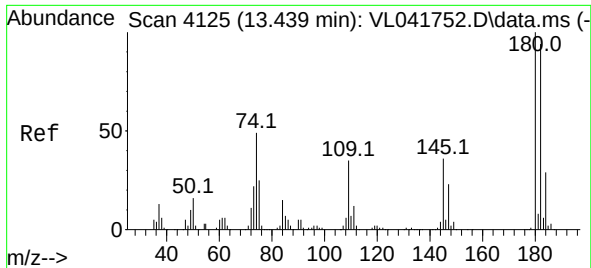
Ion Ratio Lower Upper

142 100

141 87.4 68.4 102.6

115 60.3 32.5 48.7#





#81  
1,2,4-Trichlorobenzene  
Concen: 0.169 ppbv  
RT: 13.442 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041792.D  
Acq: 18 Dec 2024 13:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Tgt Ion:180 Resp: 1477  
Ion Ratio Lower Upper  
180 100  
182 94.8 77.0 115.6  
184 38.1 23.8 35.8#

