

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101722\  
 Data File : VL039732.D  
 Acq On : 17 Oct 2022 23:12  
 Operator : SY/AP  
 Sample : N5169-05 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV3

Quant Time: Oct 18 05:31:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Oct 18 05:23:57 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.230  | 49   | 1188971  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.687  | 114  | 3090646  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.497 | 117  | 2760569  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.802 | 95    | 2026363  | 9.833    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.300% |

|                             |        |     |         |        |        |    |
|-----------------------------|--------|-----|---------|--------|--------|----|
| Target Compounds            |        |     |         | Qvalue |        |    |
| 2) Dichlorodifluoromethane  | 2.767  | 85  | 12462   | 0.090  | ppbv   | 97 |
| 3) Chlorodifluoromethane    | 2.719  | 51  | 14434   | 0.102  | ppbv # | 84 |
| 4) Chloromethane            | 2.851  | 50  | 4828    | 0.057  | ppbv # | 66 |
| 7) Chloroethane             | 3.237  | 64  | 1440    | 0.055  | ppbv   | 98 |
| 9) Propene                  | 2.735  | 41  | 340873  | 5.290  | ppbv   | 87 |
| 10) Heptane                 | 7.616  | 43  | 163143  | 1.085  | ppbv   | 89 |
| 11) Trichlorofluoromethane  | 3.603  | 101 | 7510    | 0.044  | ppbv   | 94 |
| 13) Ethanol                 | 3.279  | 45  | 29235   | 5.954  | ppbv   | 73 |
| 15) Acetone                 | 3.501  | 43  | 7979037 | 60.309 | ppbv   | 94 |
| 16) 1,3-Butadiene           | 3.002  | 39  | 382925  | 5.705  | ppbv # | 27 |
| 17) tert-Butyl alcohol      | 3.918  | 59  | 233033  | 1.963  | ppbv   | 99 |
| 19) Isopropyl Alcohol       | 3.616  | 45  | 139621  | 2.070  | ppbv # | 88 |
| 20) Methylene Chloride      | 3.973  | 84  | 137060  | 2.241  | ppbv   | 98 |
| 21) Allyl Chloride          | 3.999  | 41  | 4680    | 0.052  | ppbv # | 1  |
| 23) Vinyl Acetate           | 4.658  | 43  | 37888   | 0.633  | ppbv # | 57 |
| 25) Ethyl Acetate           | 5.250  | 43  | 346143  | 1.200  | ppbv # | 76 |
| 26) Hexane                  | 5.250  | 57  | 490225  | 4.004  | ppbv # | 38 |
| 27) Carbon Disulfide        | 4.163  | 76  | 27914   | 0.217  | ppbv # | 77 |
| 28) Methyl tert-Butyl Ether | 4.629  | 73  | 4633    | 0.045  | ppbv # | 50 |
| 29) Chloroform              | 5.308  | 83  | 14215   | 0.080  | ppbv # | 80 |
| 30) Cyclohexane             | 6.635  | 84  | 13638   | 0.144  | ppbv # | 10 |
| 34) 2-Butanone              | 4.822  | 43  | 979125  | 6.450  | ppbv   | 97 |
| 35) Carbon Tetrachloride    | 6.533  | 117 | 13804   | 0.084  | ppbv   | 99 |
| 36) Benzene                 | 6.404  | 78  | 117332  | 0.497  | ppbv # | 88 |
| 39) 1,2-Dichloropropane     | 6.687  | 63  | 762768  | 8.360  | ppbv # | 24 |
| 41) Tetrahydrofuran         | 5.565  | 42  | 32019   | 0.344  | ppbv # | 58 |
| 44) 2,2,4-Trimethylpentane  | 7.359  | 57  | 31542   | 0.077  | ppbv # | 42 |
| 50) 4-Methyl-2-Pentanone    | 8.221  | 43  | 192586  | 0.807  | ppbv   | 95 |
| 51) 2-Hexanone              | 9.590  | 43  | 137426  | 0.778  | ppbv # | 93 |
| 52) Tetrachloroethene       | 10.648 | 164 | 10780   | 0.120  | ppbv   | 88 |
| 53) Toluene                 | 9.253  | 91  | 500549  | 1.905  | ppbv   | 99 |
| 58) Ethyl Benzene           | 12.111 | 91  | 179326  | 0.563  | ppbv # | 85 |
| 59) m/p-Xylene              | 12.400 | 91  | 129682  | 0.458  | ppbv # | 32 |
| 60) o-Xylene                | 13.085 | 91  | 201365  | 0.744  | ppbv   | 99 |
| 64) n-propylbenzene         | 14.944 | 120 | 11577   | 0.111  | ppbv # | 1  |
| 70) n-Butylbenzene          | 17.918 | 91  | 26404   | 0.065  | ppbv # | 33 |
| 71) 2-Chlorotoluene         | 15.217 | 91  | 11007   | 0.037  | ppbv   | 83 |
| 72) 4-Ethyltoluene          | 15.220 | 105 | 122455  | 0.397  | ppbv # | 97 |
| 73) 1,3,5-Trimethylbenzene  | 15.387 | 105 | 29036   | 0.103  | ppbv # | 80 |
| 74) 1,2,4-Trimethylbenzene  | 16.133 | 105 | 410490  | 1.296  | ppbv # | 69 |
| 79) Naphthalene             | 21.416 | 128 | 7794    | 0.037  | ppbv # | 69 |

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Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

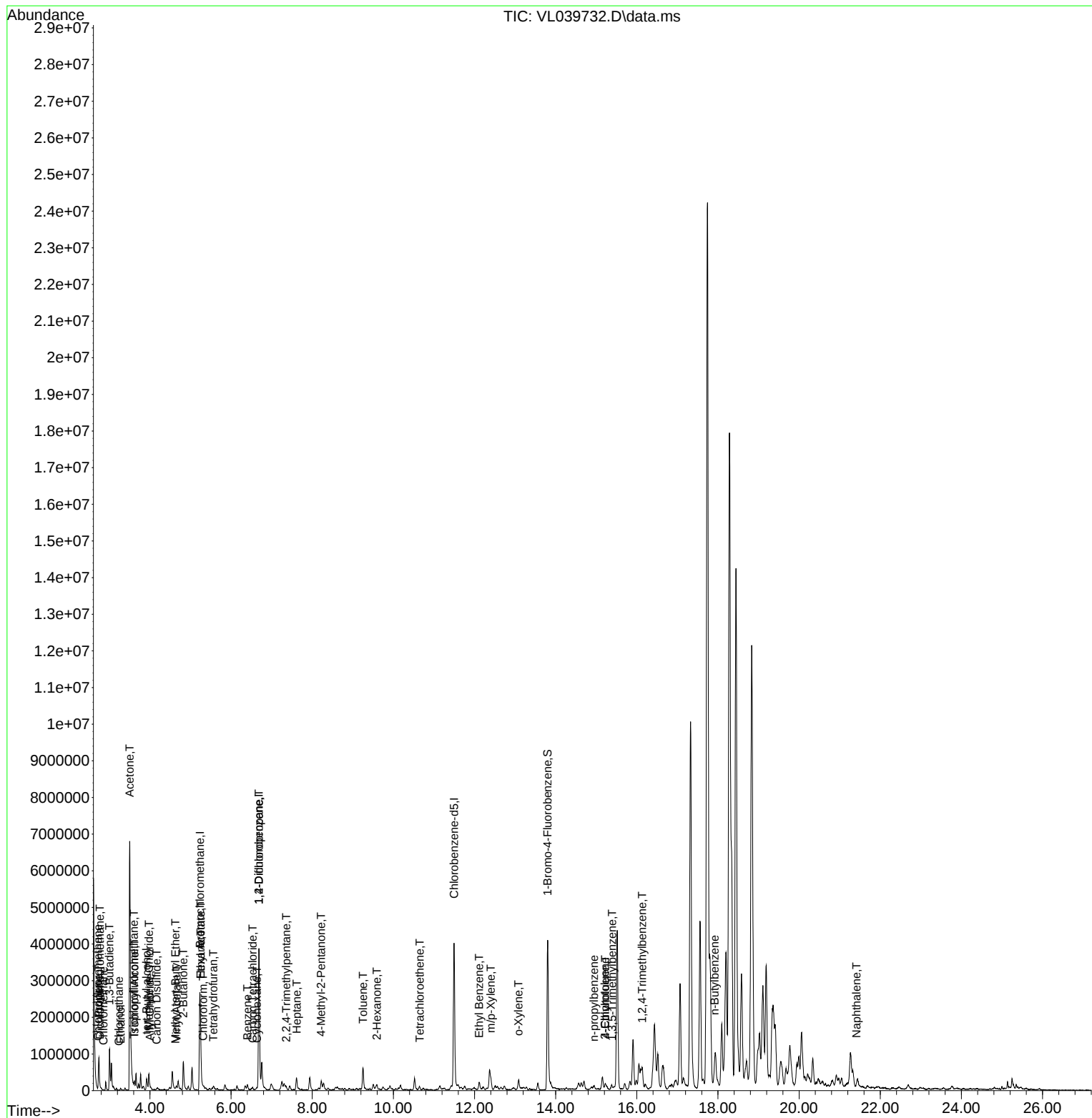
Quant Time: Oct 18 05:31:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Oct 18 05:23:57 2022  
Response via : Initial Calibration

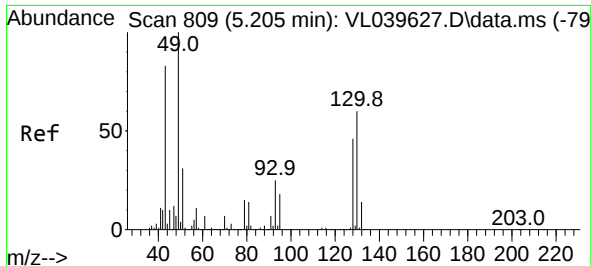
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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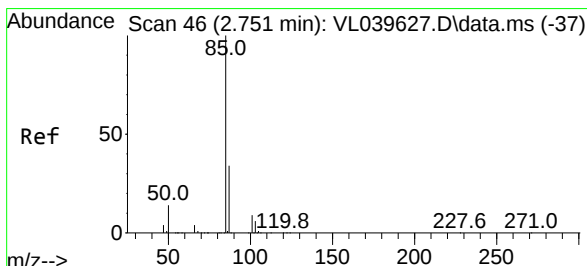
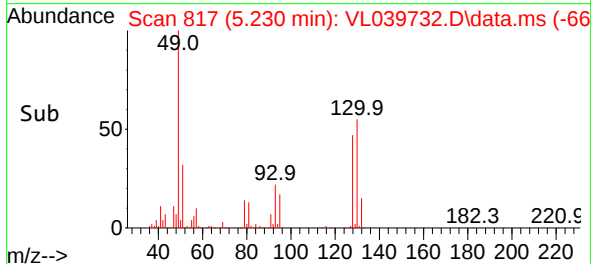
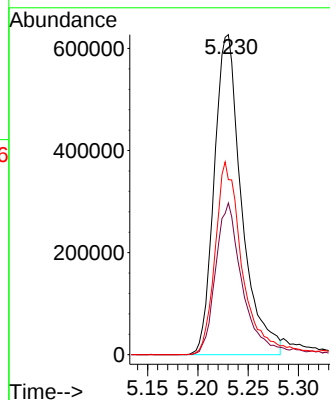
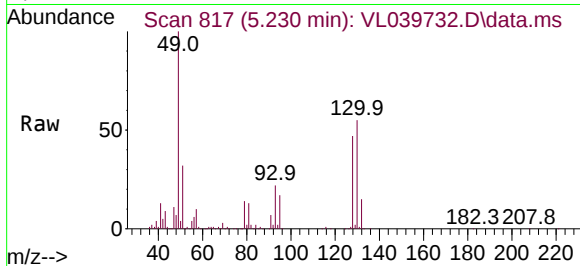




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.230 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

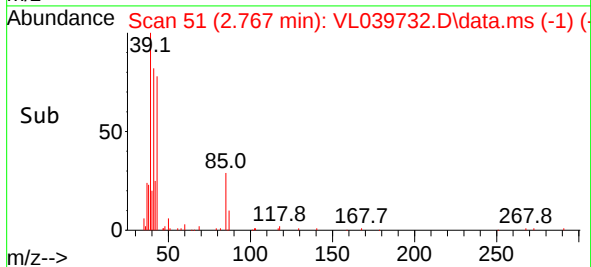
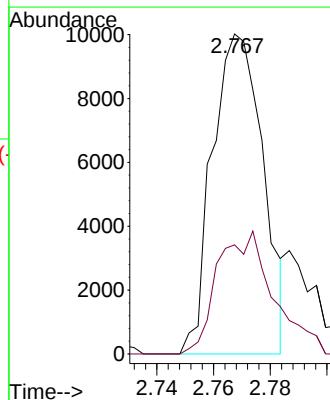
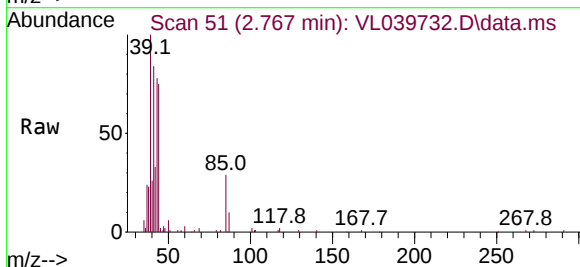
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

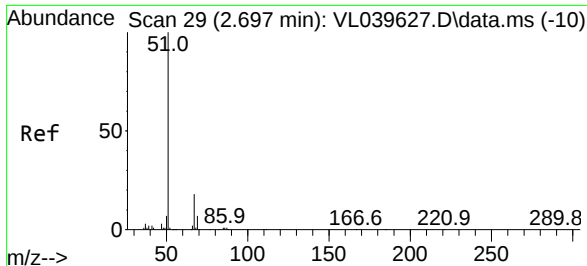
Tgt Ion: 49 Resp: 1188971  
Ion Ratio Lower Upper  
49 100  
128 48.7 26.7 80.0  
130 62.5 34.3 102.8



#2  
Dichlorodifluoromethane  
Concen: 0.090 ppbv  
RT: 2.767 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 85 Resp: 12462  
Ion Ratio Lower Upper  
85 100  
87 34.9 26.7 40.1

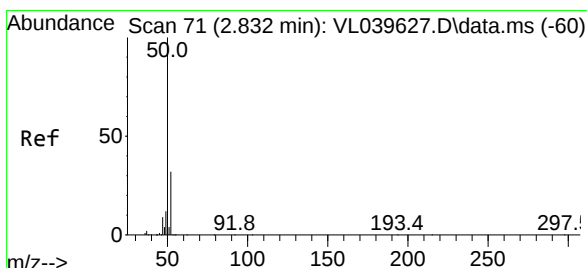
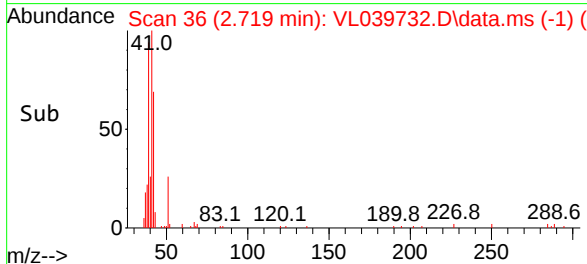
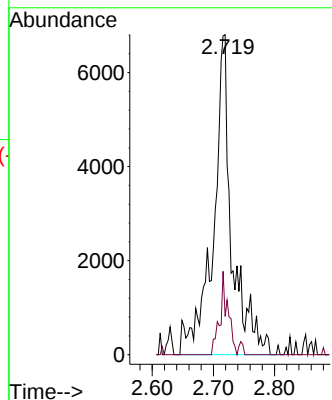
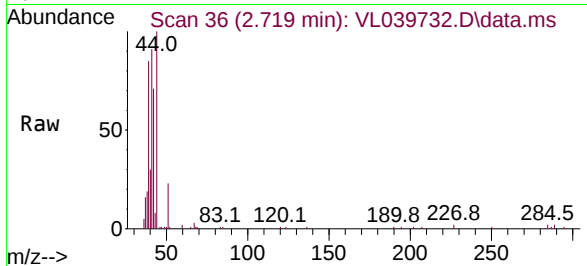




#3  
Chlorodifluoromethane  
Concen: 0.102 ppbv  
RT: 2.719 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

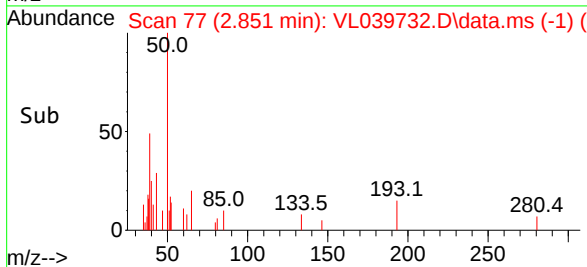
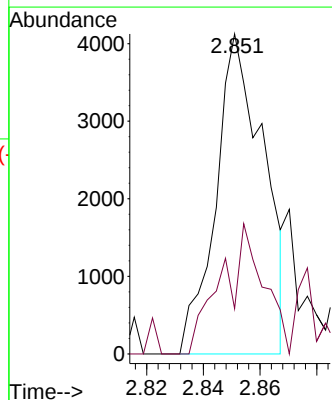
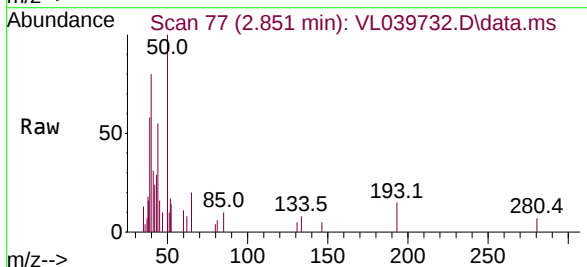
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

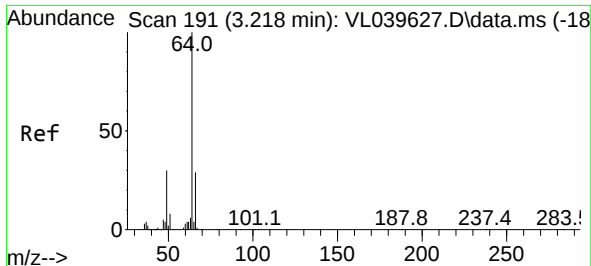
Tgt Ion: 51 Resp: 14434  
Ion Ratio Lower Upper  
51 100  
67 12.1 15.7 23.5#



#4  
Chloromethane  
Concen: 0.057 ppbv  
RT: 2.851 min Scan# 77  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 50 Resp: 4828  
Ion Ratio Lower Upper  
50 100  
52 14.1 26.5 39.7#

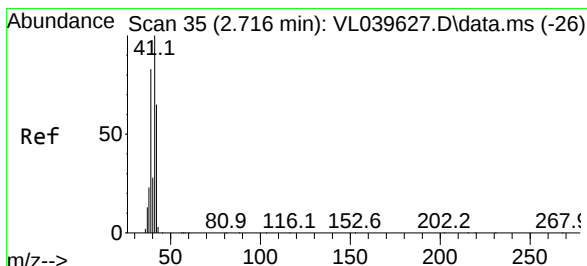
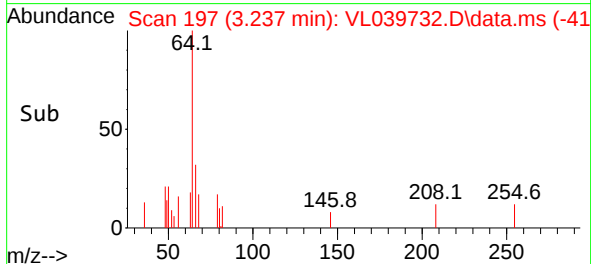
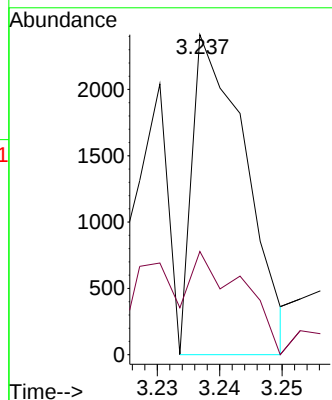
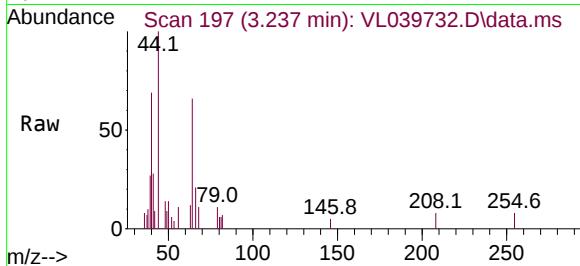




#7  
Chloroethane  
Concen: 0.055 ppbv  
RT: 3.237 min Scan# 19  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

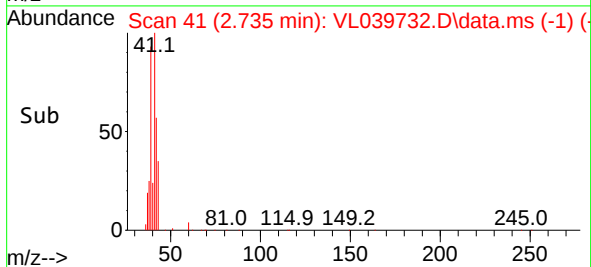
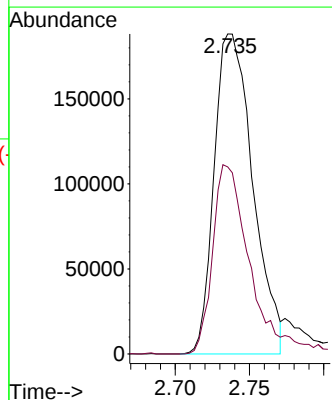
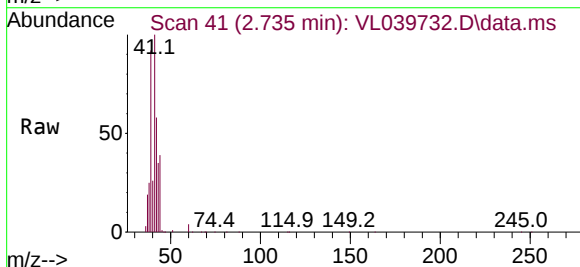
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

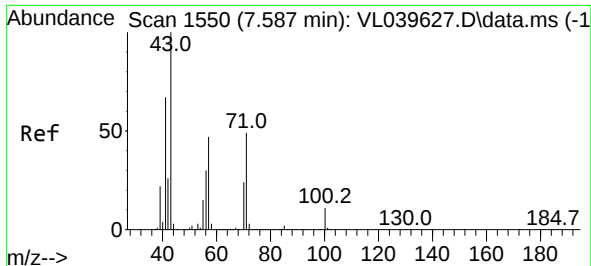
Tgt Ion: 64 Resp: 1440  
Ion Ratio Lower Upper  
64 100  
66 32.2 24.7 37.1



#9  
Propene  
Concen: 5.290 ppbv  
RT: 2.735 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 41 Resp: 340873  
Ion Ratio Lower Upper  
41 100  
42 58.4 55.2 82.8





#10

Heptane

Concen: 1.085 ppbv

RT: 7.616 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

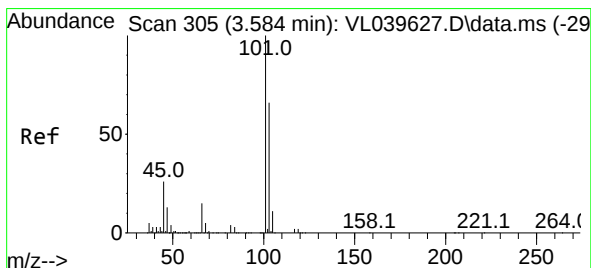
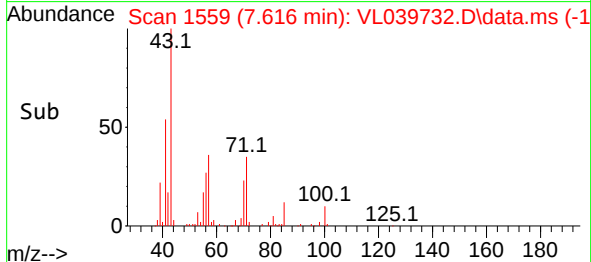
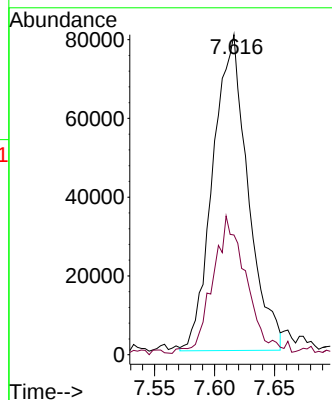
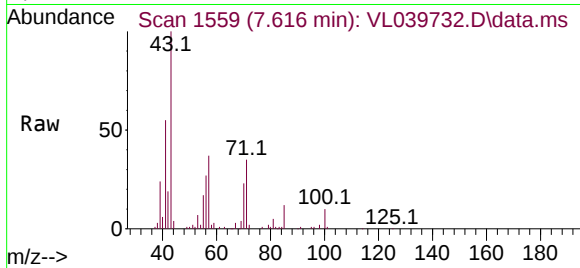
SV3

Tgt Ion: 43 Resp: 163143

Ion Ratio Lower Upper

43 100

57 42.8 40.5 60.7



#11

Trichlorofluoromethane

Concen: 0.044 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.003 min

Lab File: VL039732.D

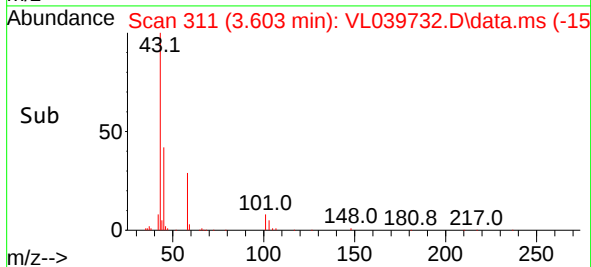
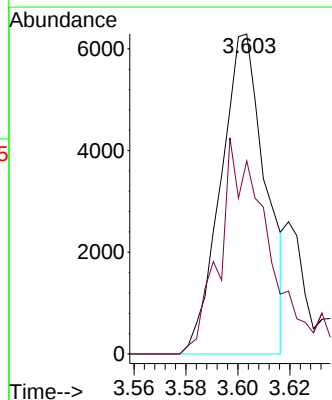
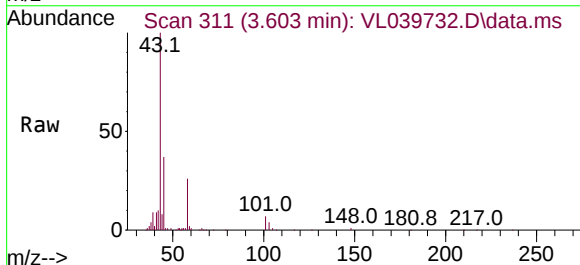
Acq: 17 Oct 2022 23:12

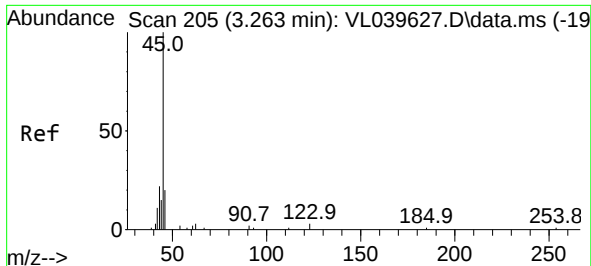
Tgt Ion:101 Resp: 7510

Ion Ratio Lower Upper

101 100

103 60.3 51.8 77.8

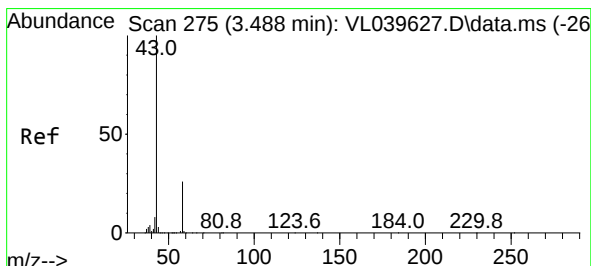
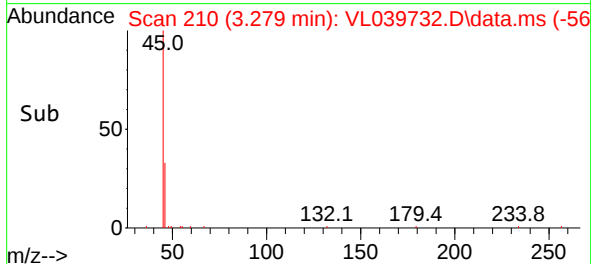
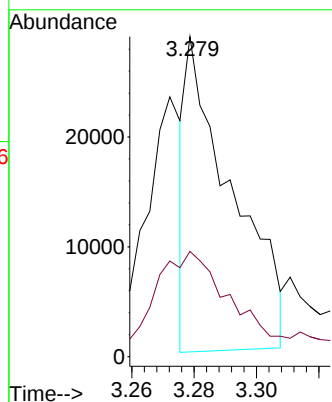
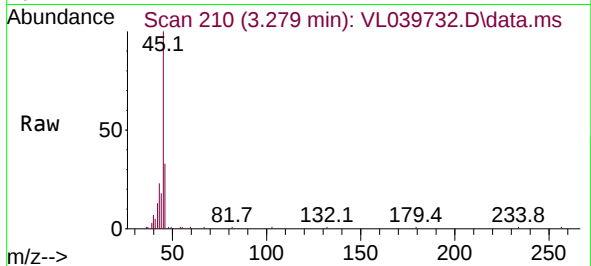




#13  
Ethanol  
Concen: 5.954 ppbv  
RT: 3.279 min Scan# 210  
Delta R.T. -0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

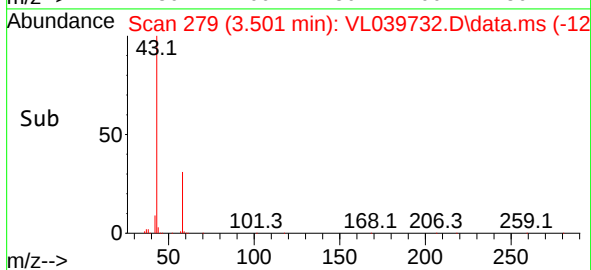
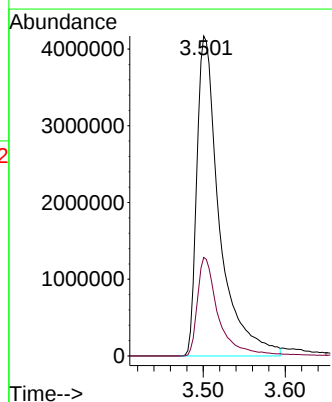
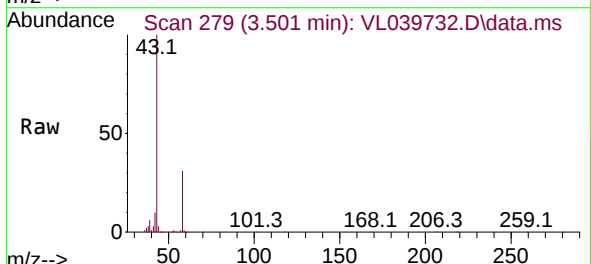
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

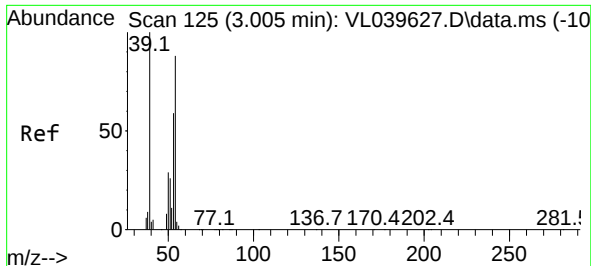
Tgt Ion: 45 Resp: 29235  
Ion Ratio Lower Upper  
45 100  
46 76.8 22.8 91.2



#15  
Acetone  
Concen: 60.309 ppbv  
RT: 3.501 min Scan# 279  
Delta R.T. -0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 43 Resp: 7979037  
Ion Ratio Lower Upper  
43 100  
58 29.5 21.0 31.6

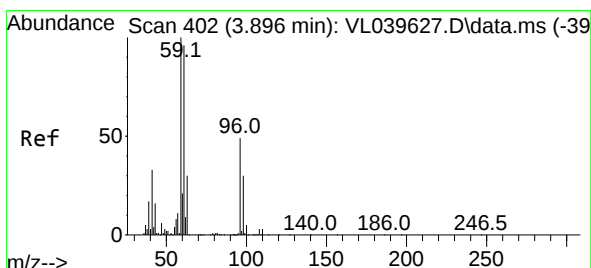
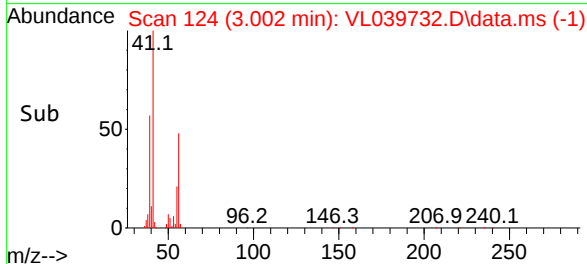
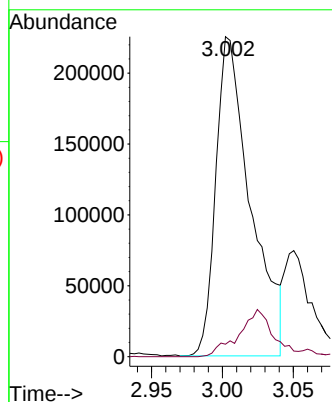
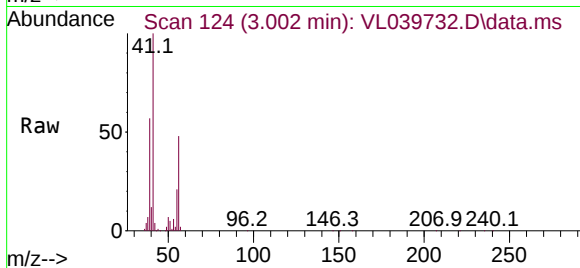




#16  
1,3-Butadiene  
Concen: 5.705 ppbv  
RT: 3.002 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

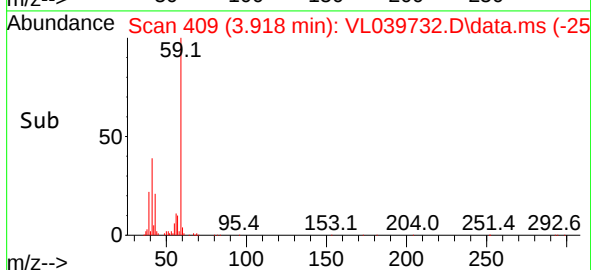
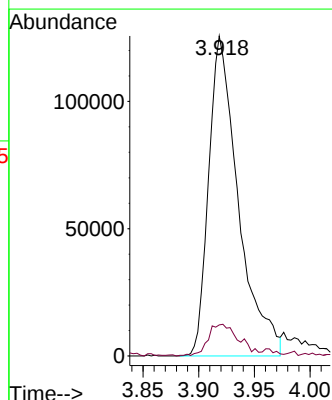
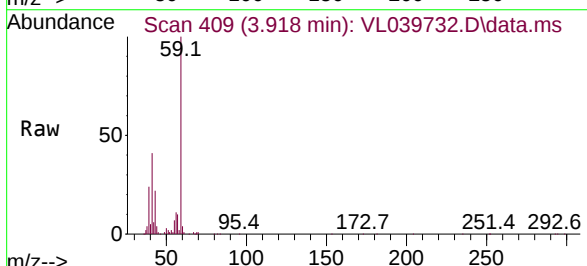
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

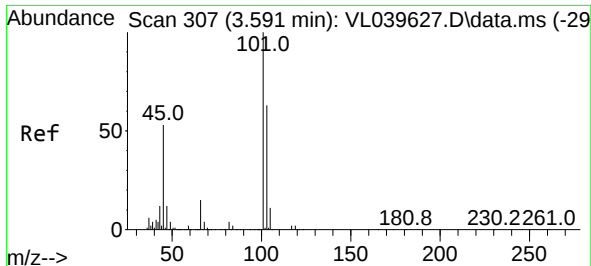
Tgt Ion: 39 Resp: 382925  
Ion Ratio Lower Upper  
39 100  
54 15.6 63.7 95.5#



#17  
tert-Butyl alcohol  
Concen: 1.963 ppbv  
RT: 3.918 min Scan# 409  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 59 Resp: 233033  
Ion Ratio Lower Upper  
59 100  
57 11.2 8.7 13.1

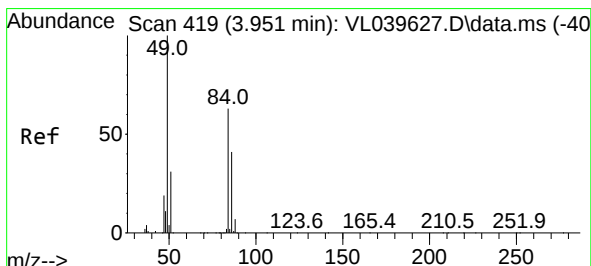
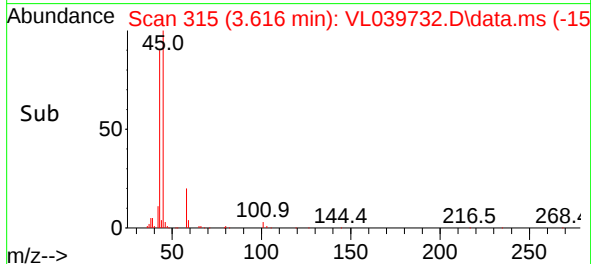
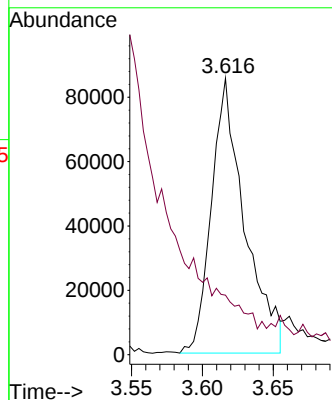
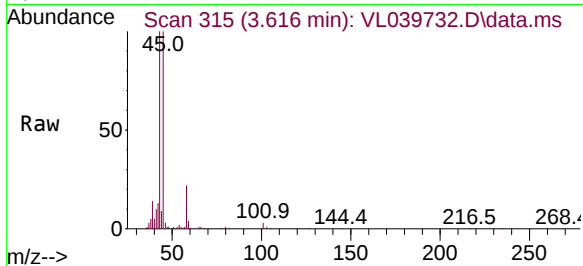




#19  
Isopropyl Alcohol  
Concen: 2.070 ppbv  
RT: 3.616 min Scan# 315  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

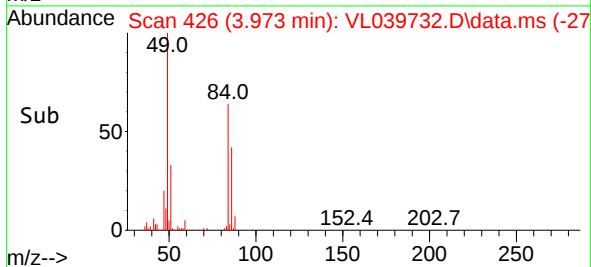
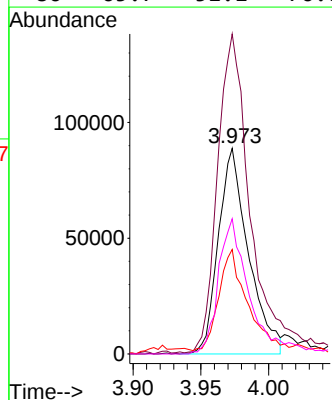
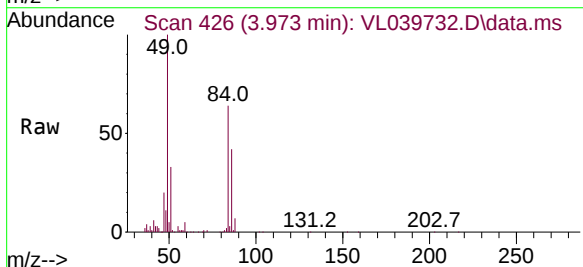
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

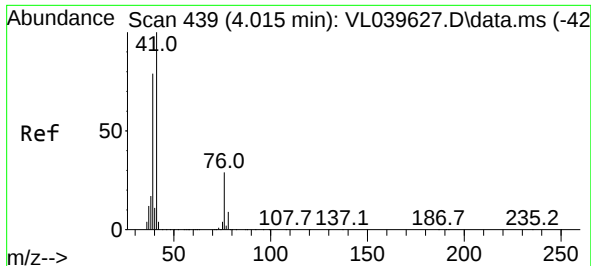
Tgt Ion: 45 Resp: 139621  
Ion Ratio Lower Upper  
45 100  
58 0.0 3.2 4.8#



#20  
Methylene Chloride  
Concen: 2.241 ppbv  
RT: 3.973 min Scan# 426  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 84 Resp: 137060  
Ion Ratio Lower Upper  
84 100  
49 154.6 123.1 184.7  
51 47.6 34.4 51.6  
86 65.7 51.1 76.7

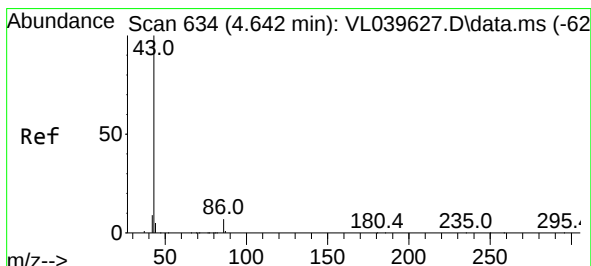
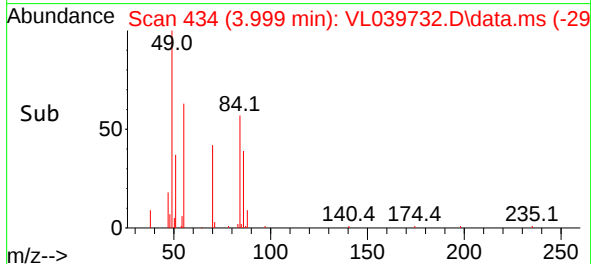
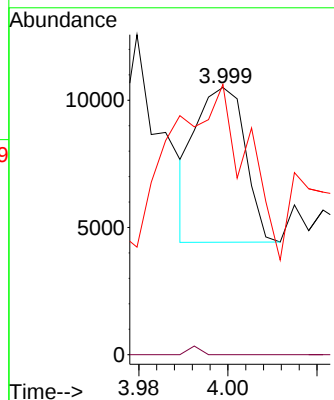
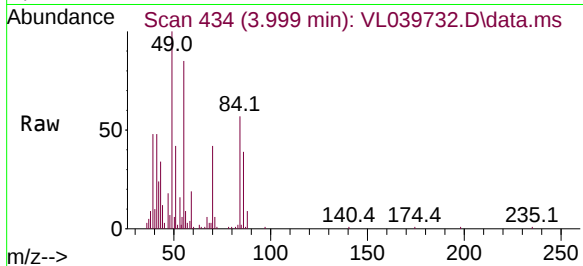




#21  
 Allyl Chloride  
 Concen: 0.052 ppbv  
 RT: 3.999 min Scan# 41  
 Delta R.T. -0.035 min  
 Lab File: VL039732.D  
 Acq: 17 Oct 2022 23:12

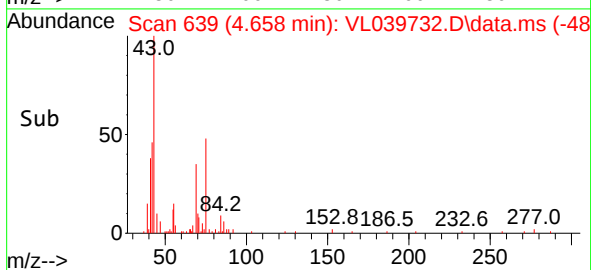
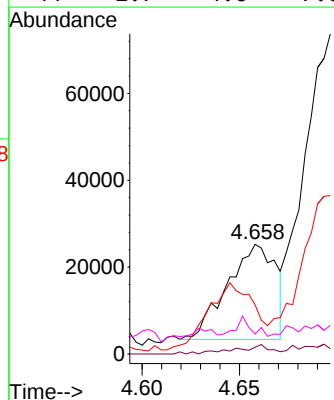
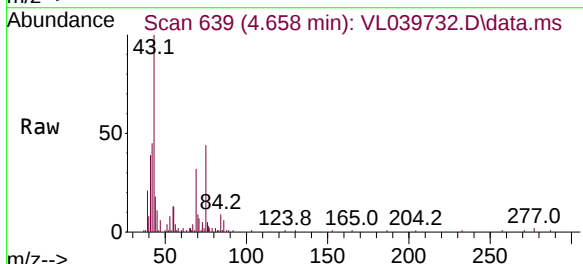
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV3

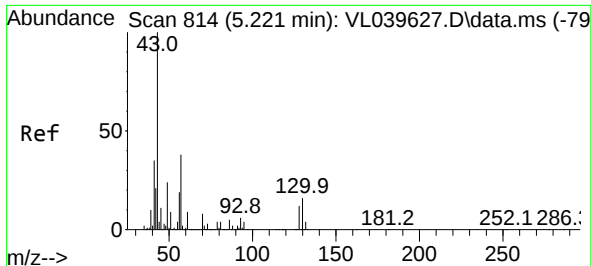
Tgt Ion: 41 Resp: 4680  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 24.4 36.6#  
 39 644.9 63.5 95.3#



#23  
 Vinyl Acetate  
 Concen: 0.633 ppbv  
 RT: 4.658 min Scan# 639  
 Delta R.T. -0.003 min  
 Lab File: VL039732.D  
 Acq: 17 Oct 2022 23:12

Tgt Ion: 43 Resp: 37888  
 Ion Ratio Lower Upper  
 43 100  
 86 4.8 5.0 7.6#  
 42 42.4 7.7 11.5#  
 44 2.7 4.6 7.0#

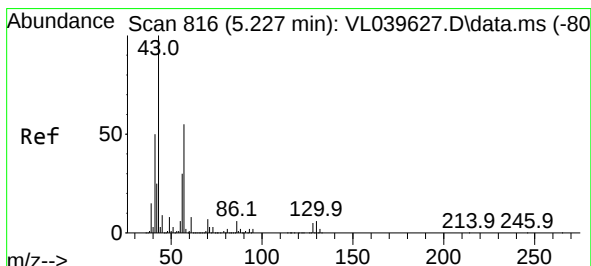
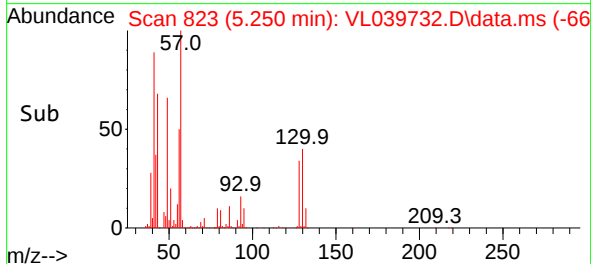
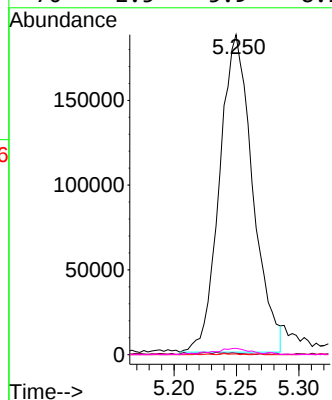
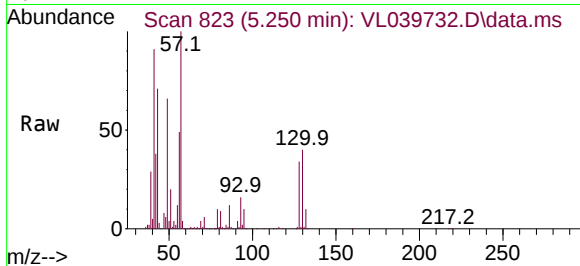




#25  
Ethyl Acetate  
Concen: 1.200 ppbv  
RT: 5.250 min Scan# 814  
Delta R.T. 0.010 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

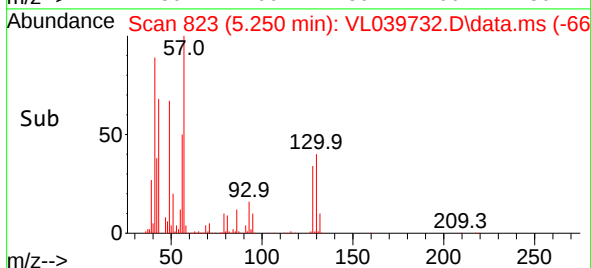
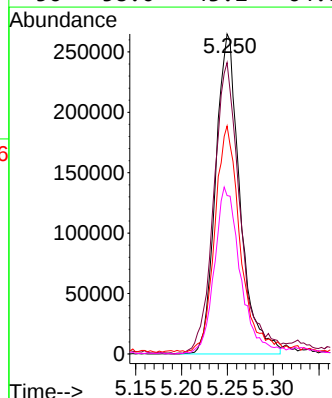
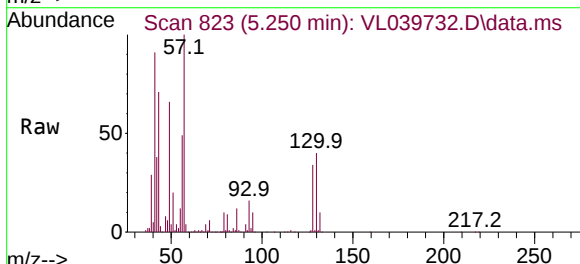
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

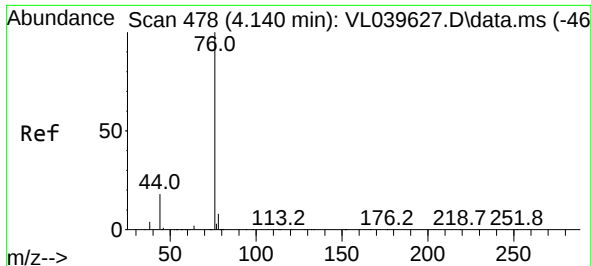
Tgt Ion: 43 Resp: 346143  
Ion Ratio Lower Upper  
43 100  
45 0.0 8.2 12.4#  
61 0.2 8.3 12.5#  
70 2.5 5.9 8.9#



#26  
Hexane  
Concen: 4.004 ppbv  
RT: 5.250 min Scan# 823  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 57 Resp: 490225  
Ion Ratio Lower Upper  
57 100  
41 101.8 76.9 115.3  
43 74.3 191.0 286.6#  
56 58.0 43.2 64.8

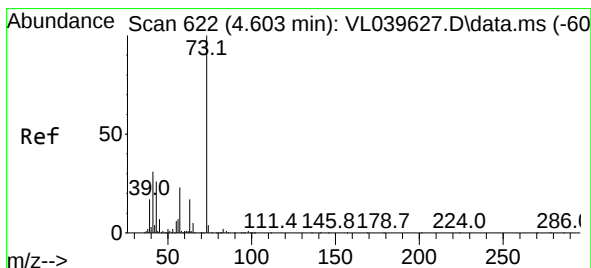
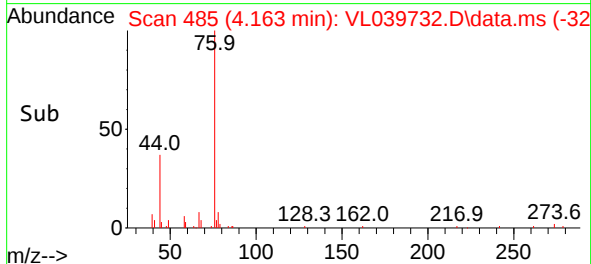
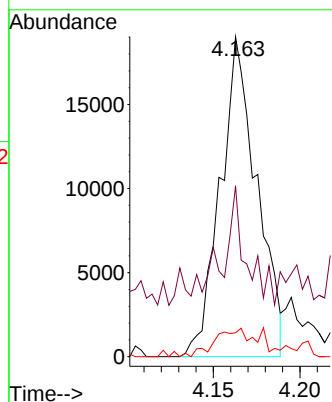
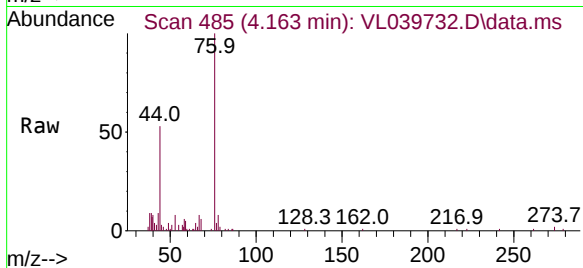




#27  
Carbon Disulfide  
Concen: 0.217 ppbv  
RT: 4.163 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

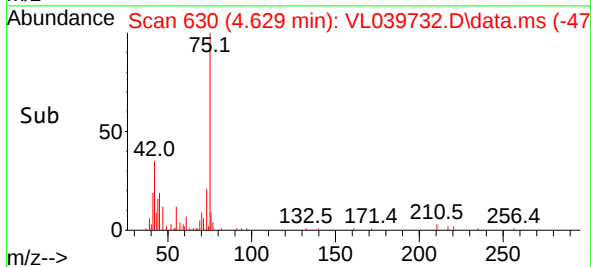
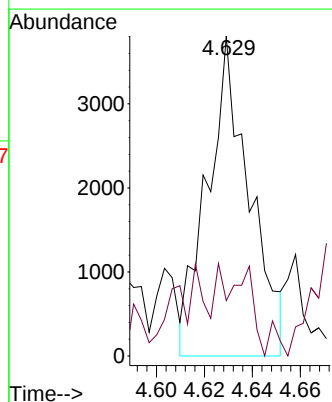
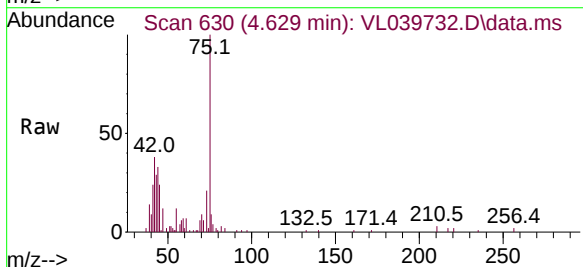
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

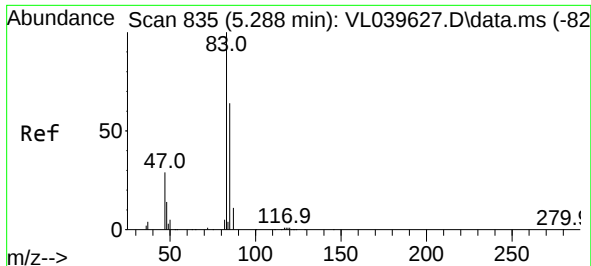
Tgt Ion: 76 Resp: 27914  
Ion Ratio Lower Upper  
76 100  
44 31.1 14.6 21.8#  
78 14.4 7.8 11.6#



#28  
Methyl tert-Butyl Ether  
Concen: 0.045 ppbv  
RT: 4.629 min Scan# 630  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 73 Resp: 4633  
Ion Ratio Lower Upper  
73 100  
57 0.0 19.8 29.8#

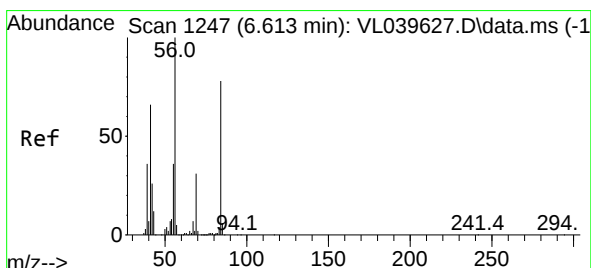
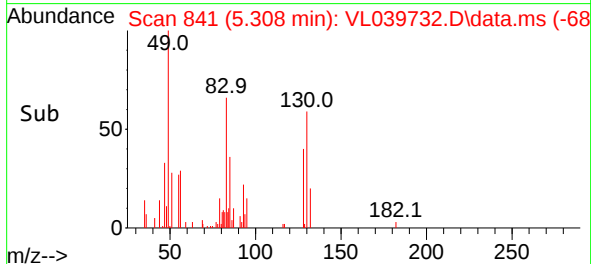
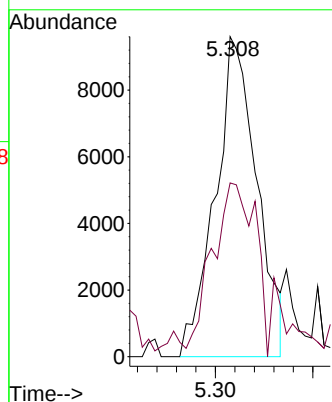
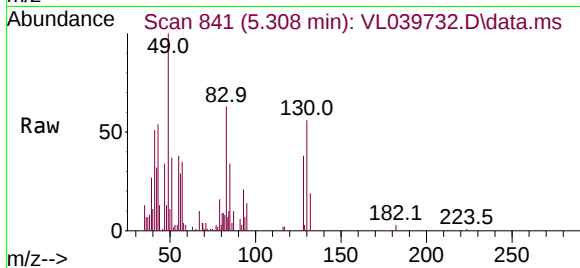




#29  
Chloroform  
Concen: 0.080 ppbv  
RT: 5.308 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

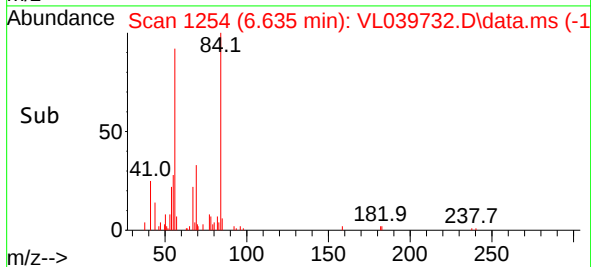
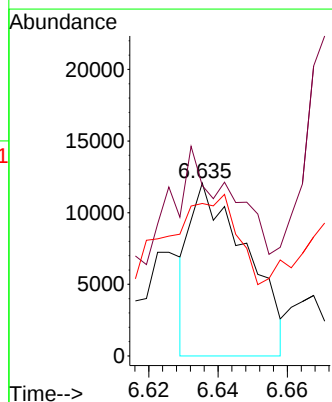
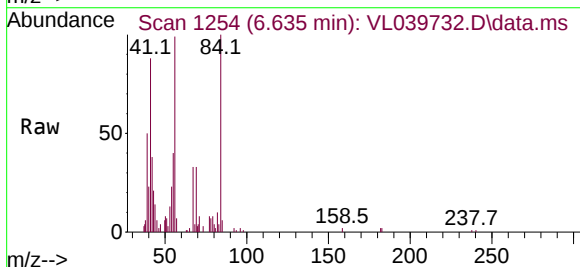
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

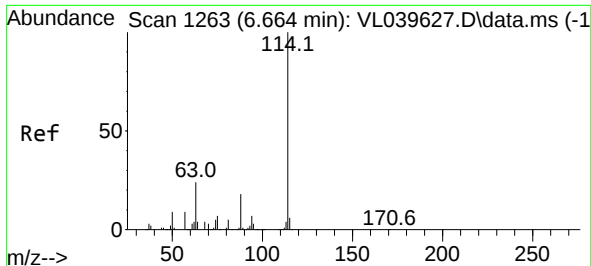
Tgt Ion: 83 Resp: 14215  
Ion Ratio Lower Upper  
83 100  
85 49.8 52.8 79.2#



#30  
Cyclohexane  
Concen: 0.144 ppbv  
RT: 6.635 min Scan# 1254  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 84 Resp: 13638  
Ion Ratio Lower Upper  
84 100  
56 232.0 107.7 161.5#  
41 177.9 67.7 101.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

SV3

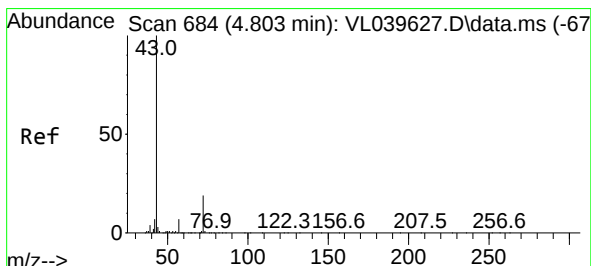
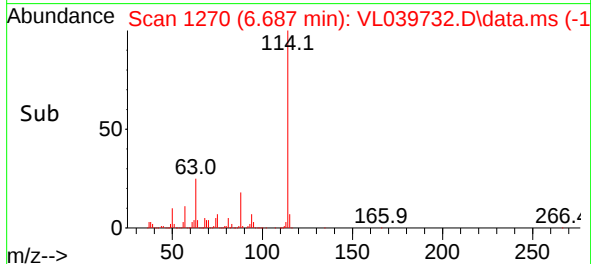
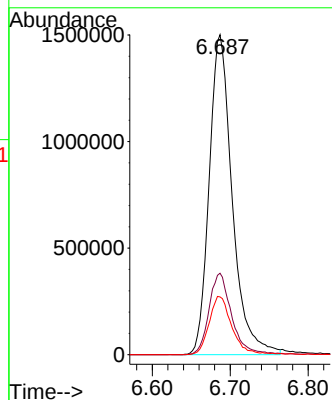
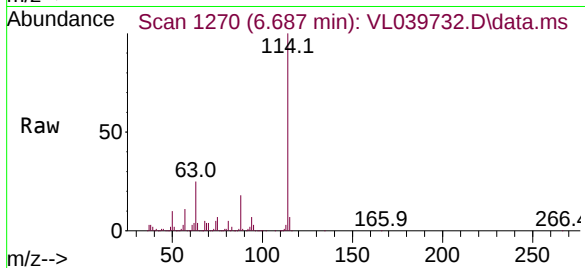
Tgt Ion:114 Resp: 3090646

Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.4

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 6.450 ppbv

RT: 4.822 min Scan# 690

Delta R.T. -0.000 min

Lab File: VL039732.D

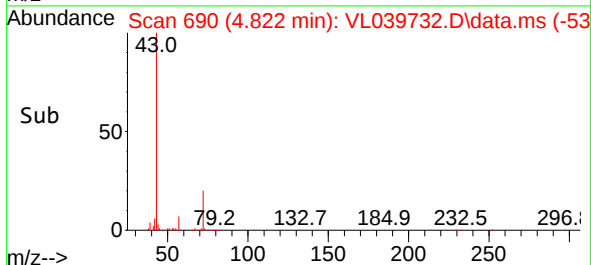
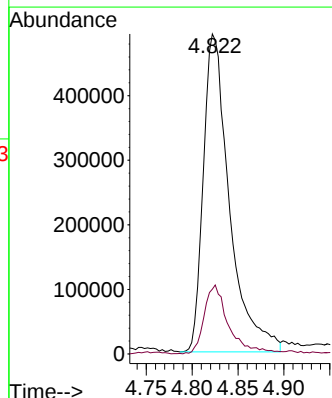
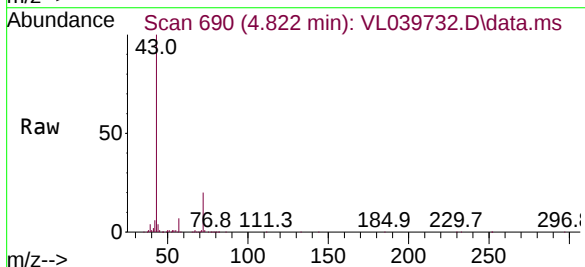
Acq: 17 Oct 2022 23:12

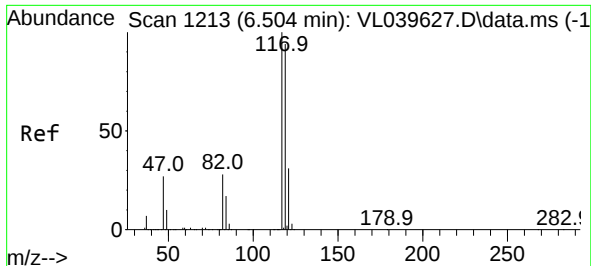
Tgt Ion: 43 Resp: 979125

Ion Ratio Lower Upper

43 100

72 21.2 17.9 26.9

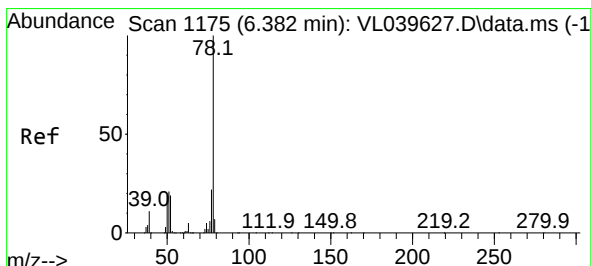
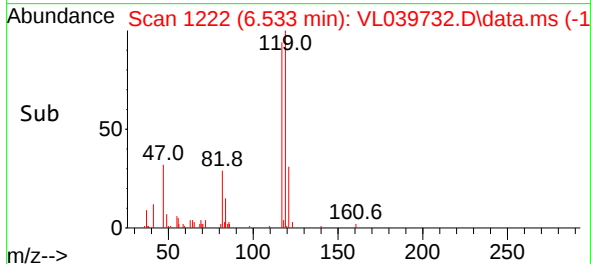
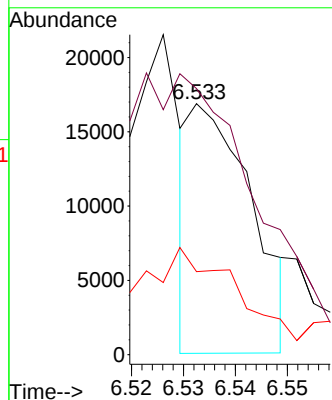
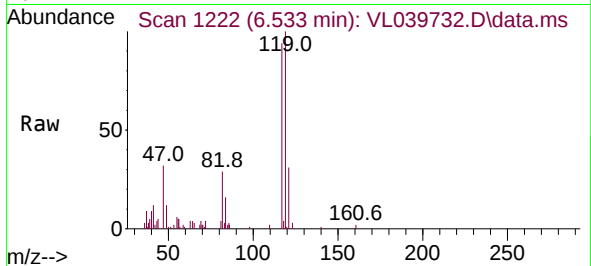




#35  
Carbon Tetrachloride  
Concen: 0.084 ppbv  
RT: 6.533 min Scan# 1182  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

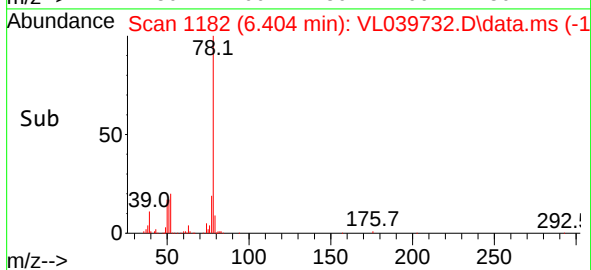
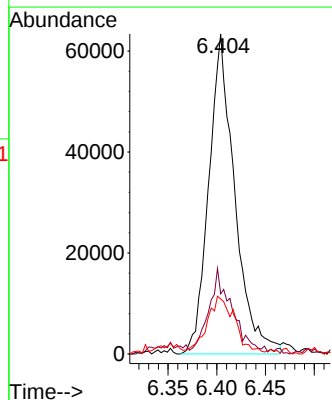
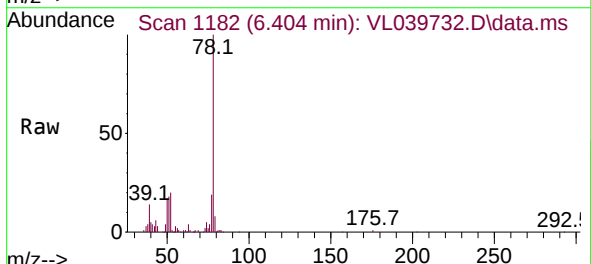
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

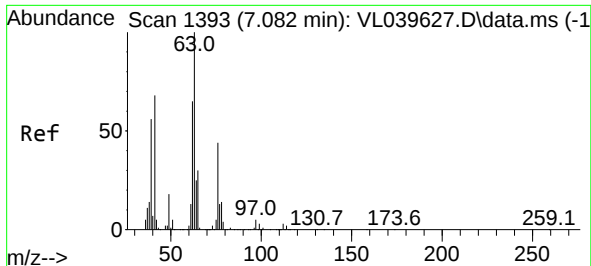
Tgt Ion:117 Resp: 13804  
Ion Ratio Lower Upper  
117 100  
119 93.5 75.4 113.2  
121 30.7 24.2 36.2



#36  
Benzene  
Concen: 0.497 ppbv  
RT: 6.404 min Scan# 1182  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 78 Resp: 117332  
Ion Ratio Lower Upper  
78 100  
77 17.5 20.3 30.5#  
50 16.3 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.360 ppbv

RT: 6.687 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

SV3

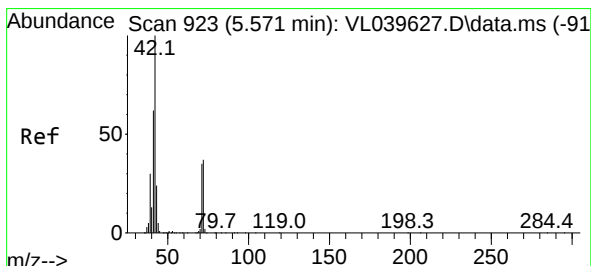
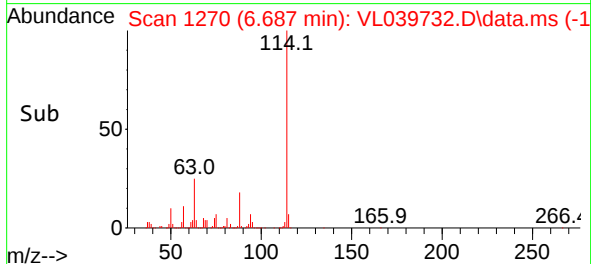
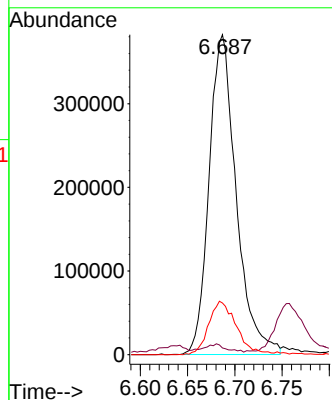
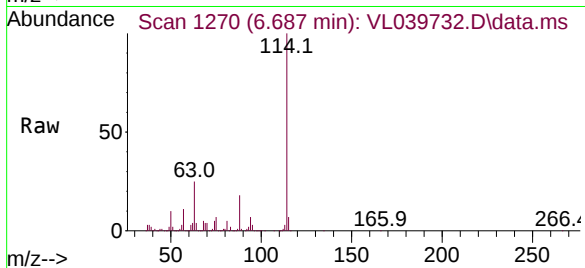
Tgt Ion: 63 Resp: 762768

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.1 51.4 77.0#



#41

Tetrahydrofuran

Concen: 0.344 ppbv

RT: 5.565 min Scan# 921

Delta R.T. -0.026 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

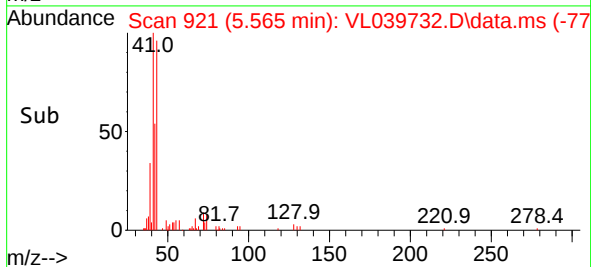
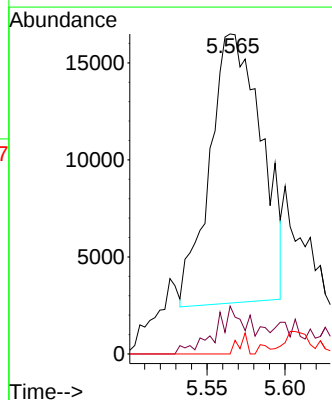
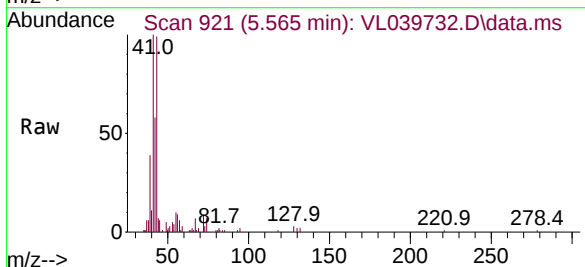
Tgt Ion: 42 Resp: 32019

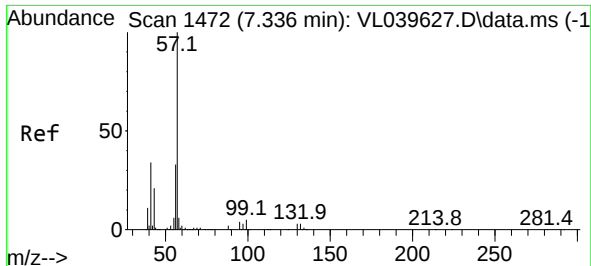
Ion Ratio Lower Upper

42 100

72 22.5 31.8 47.8#

71 4.7 31.8 47.8#





#44

2,2,4-Trimethylpentane

Concen: 0.077 ppbv

RT: 7.359 min Scan# 1472

Delta R.T. 0.003 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

SV3

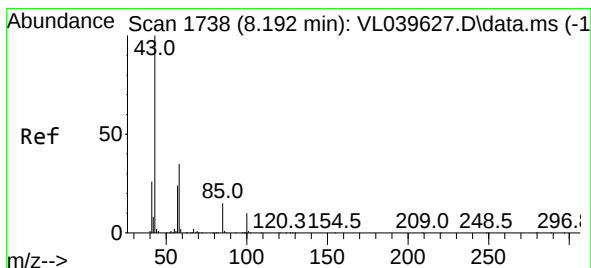
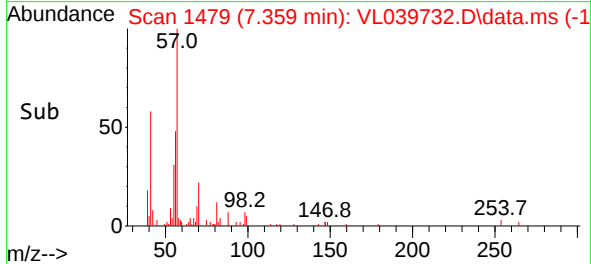
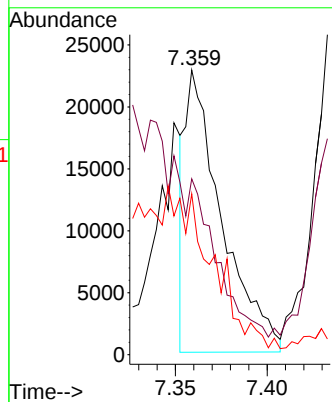
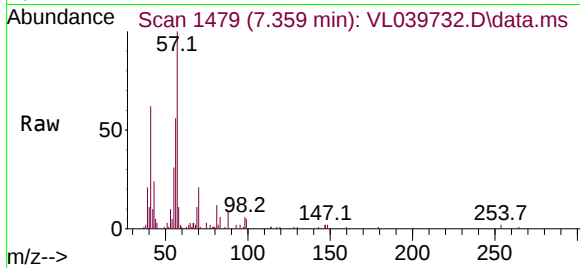
Tgt Ion: 57 Resp: 31542

Ion Ratio Lower Upper

57 100

41 0.0 27.4 41.2#

56 0.0 24.5 36.7#



#50

4-Methyl-2-Pentanone

Concen: 0.807 ppbv

RT: 8.221 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VL039732.D

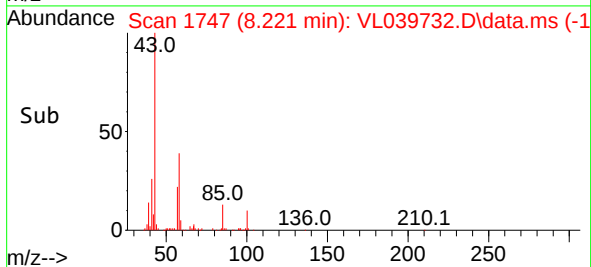
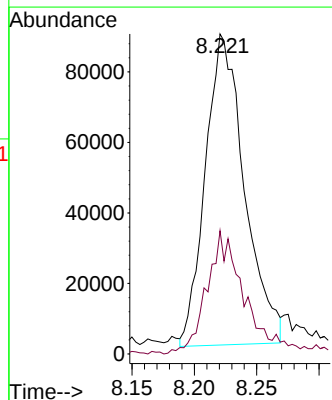
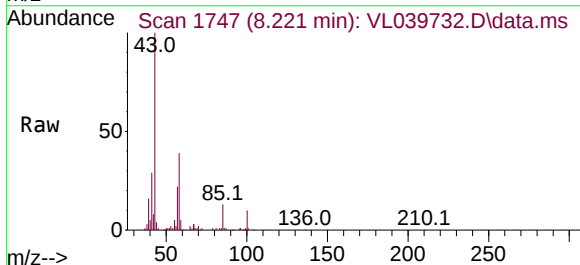
Acq: 17 Oct 2022 23:12

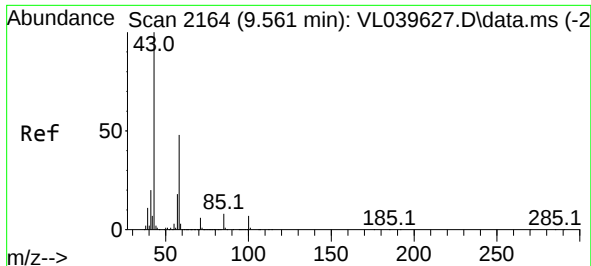
Tgt Ion: 43 Resp: 192586

Ion Ratio Lower Upper

43 100

58 39.1 28.8 43.2

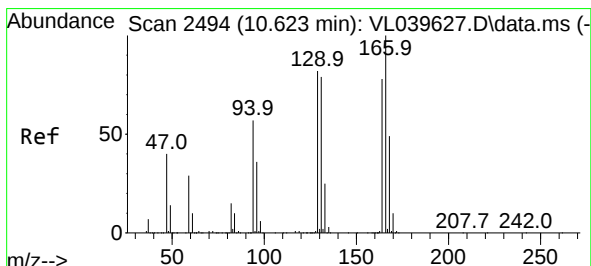
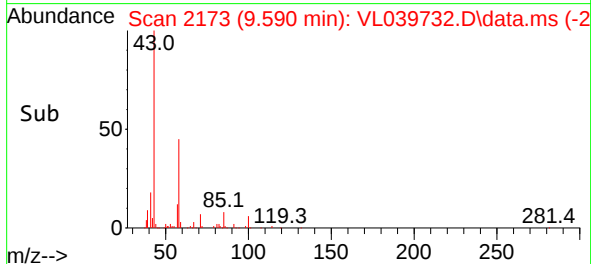
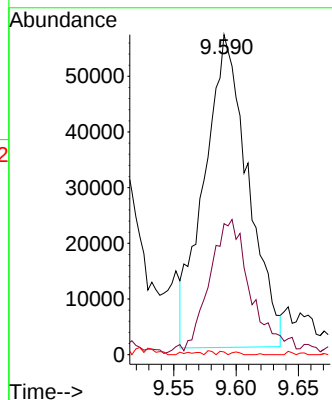
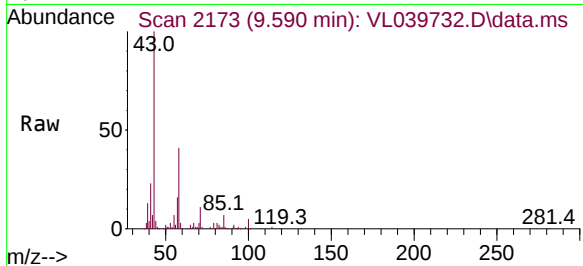




#51  
2-Hexanone  
Concen: 0.778 ppbv  
RT: 9.590 min Scan# 2164  
Delta R.T. 0.013 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

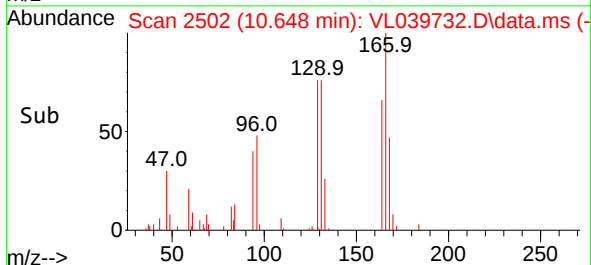
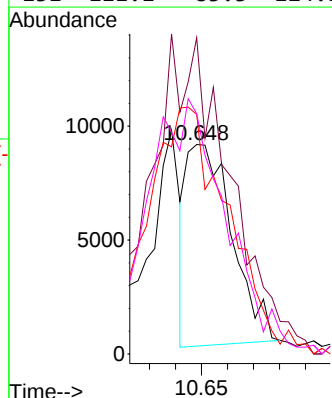
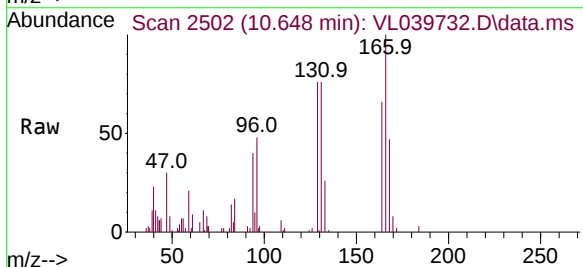
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

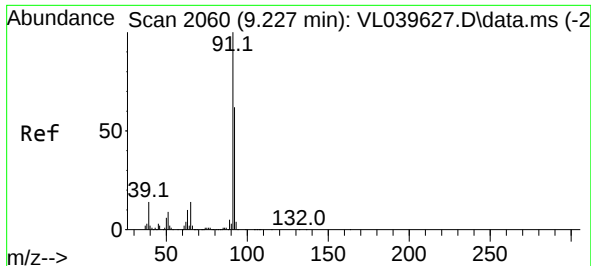
Tgt Ion: 43 Resp: 137426  
Ion Ratio Lower Upper  
43 100  
58 42.9 38.4 57.6  
98 0.8 0.3 0.5#



#52  
Tetrachloroethene  
Concen: 0.120 ppbv  
RT: 10.648 min Scan# 2502  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 164 Resp: 10780  
Ion Ratio Lower Upper  
164 100  
166 144.9 102.2 153.2  
129 119.7 85.8 128.8  
131 111.1 83.3 124.9

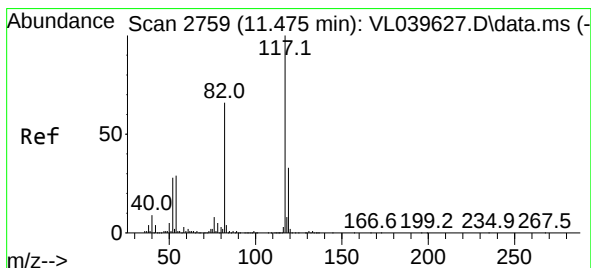
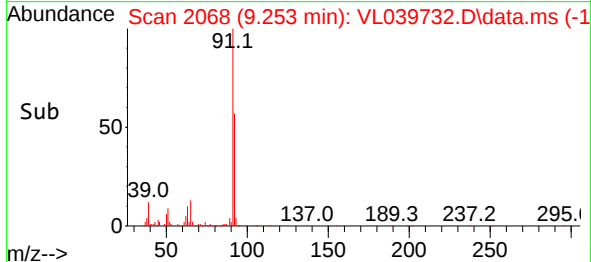
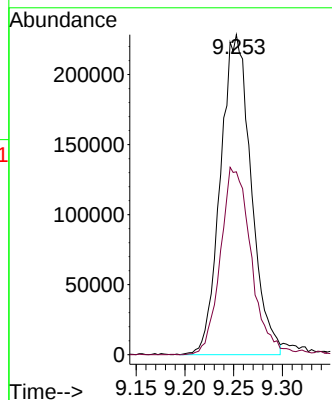
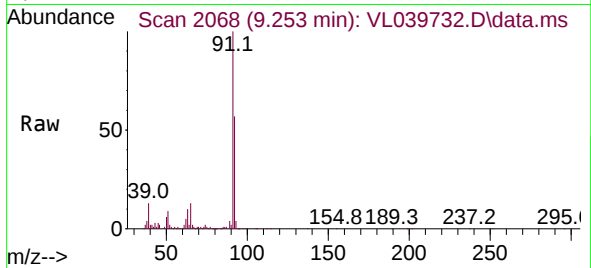




#53  
Toluene  
Concen: 1.905 ppbv  
RT: 9.253 min Scan# 2060  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

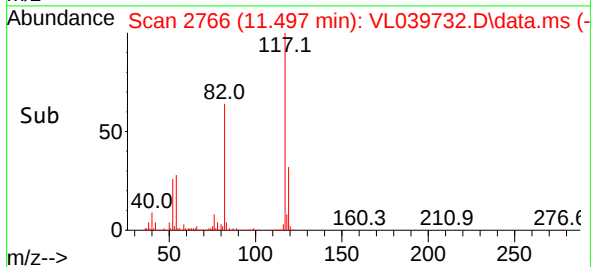
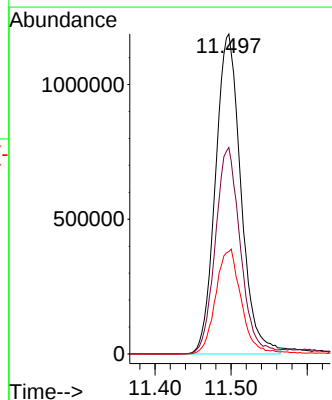
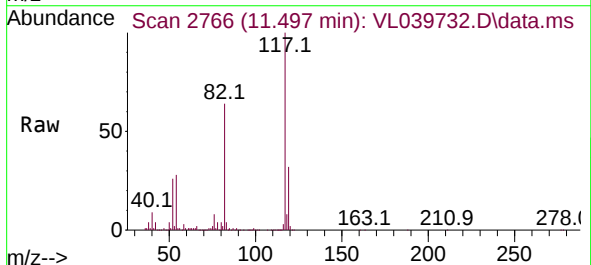
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

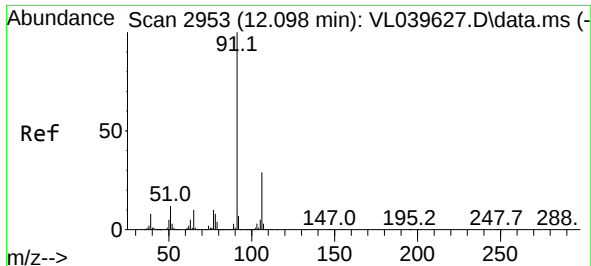
Tgt Ion: 91 Resp: 500549  
Ion Ratio Lower Upper  
91 100  
92 59.3 48.2 72.2



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.497 min Scan# 2766  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 117 Resp: 2760569  
Ion Ratio Lower Upper  
117 100  
82 63.7 50.8 76.2  
119 33.1 24.1 36.1

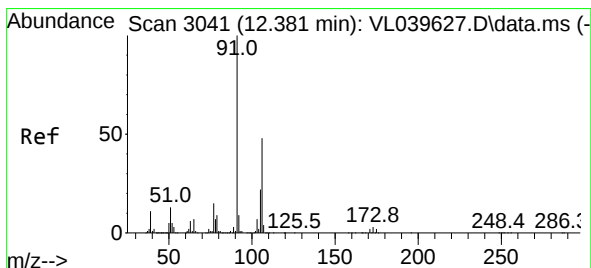
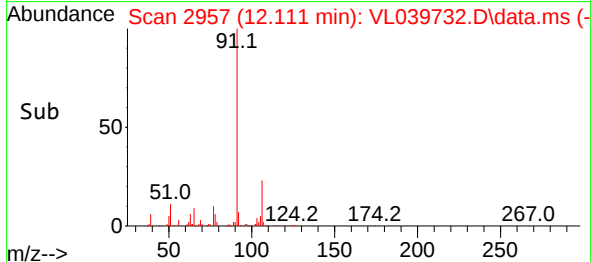
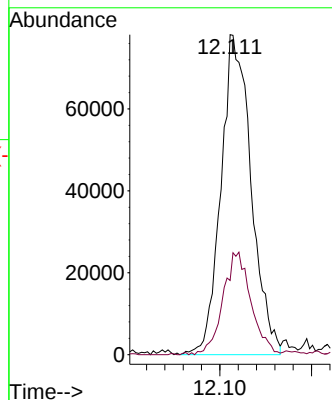
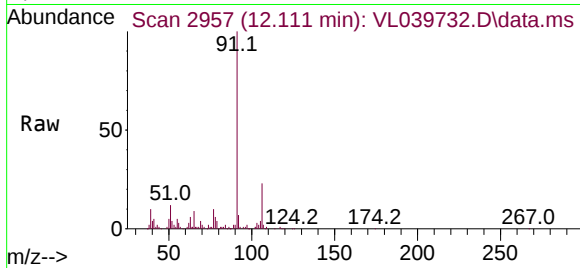




#58  
Ethyl Benzene  
Concen: 0.563 ppbv  
RT: 12.111 min Scan# 2957  
Delta R.T. -0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

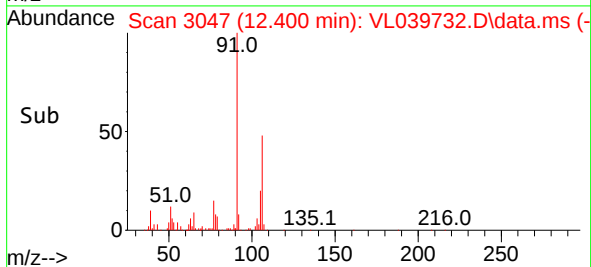
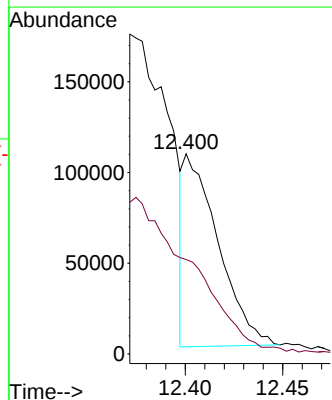
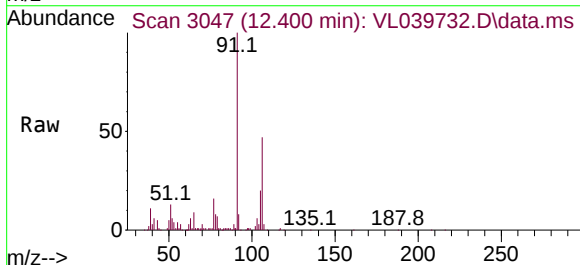
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

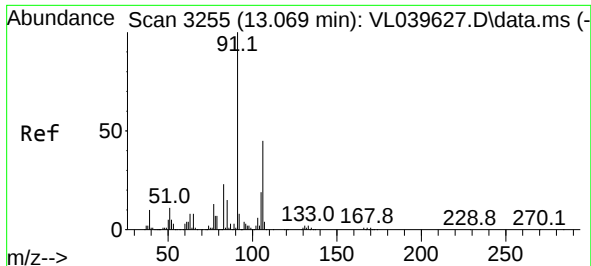
Tgt Ion: 91 Resp: 179326  
Ion Ratio Lower Upper  
91 100  
106 23.2 25.4 38.0#



#59  
m/p-Xylene  
Concen: 0.458 ppbv  
RT: 12.400 min Scan# 3047  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 91 Resp: 129682  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.4 53.2#

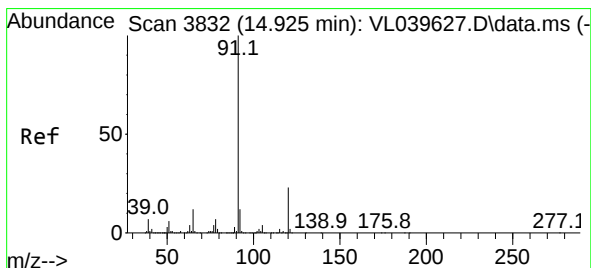
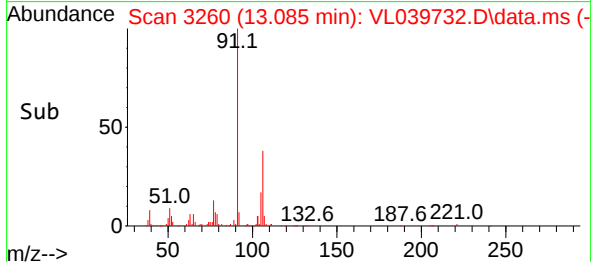
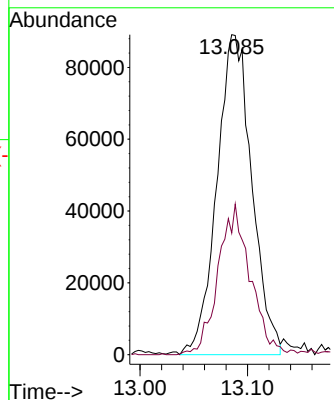
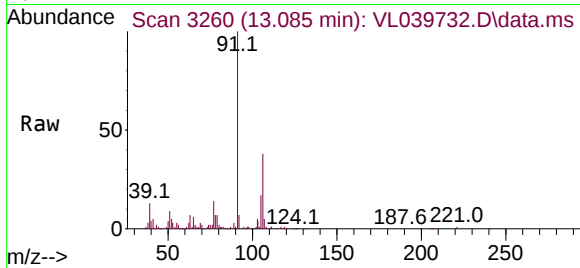




#60  
o-Xylene  
Concen: 0.744 ppbv  
RT: 13.085 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

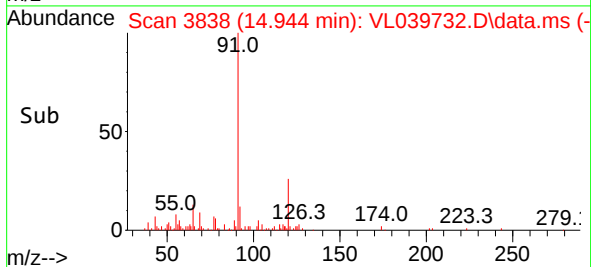
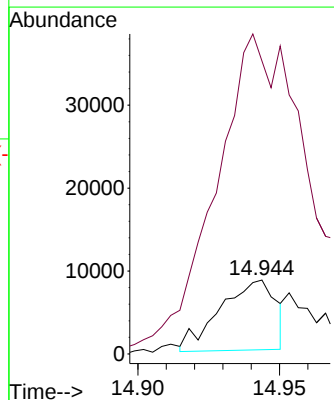
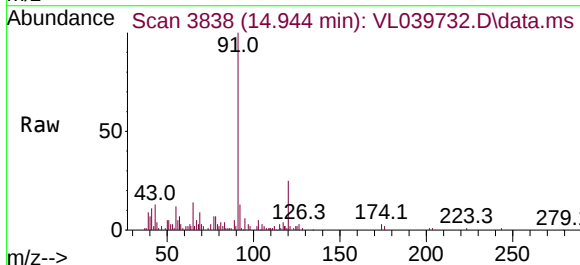
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

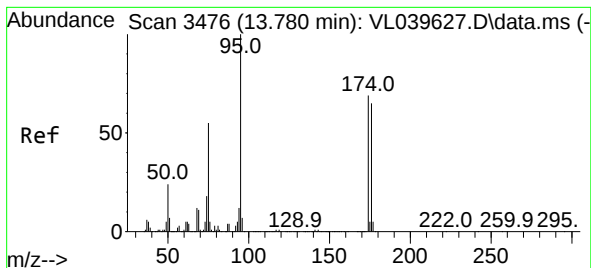
Tgt Ion: 91 Resp: 201365  
Ion Ratio Lower Upper  
91 100  
106 44.1 22.4 67.3



#64  
n-propylbenzene  
Concen: 0.111 ppbv  
RT: 14.944 min Scan# 3838  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 120 Resp: 11577  
Ion Ratio Lower Upper  
120 100  
91 789.5 367.2 550.8#

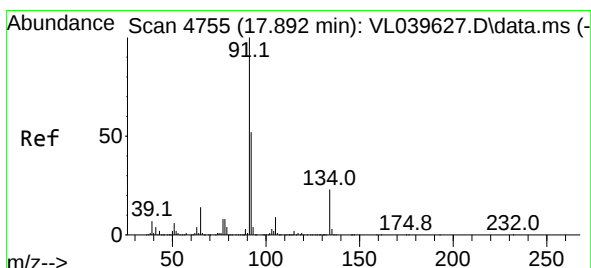
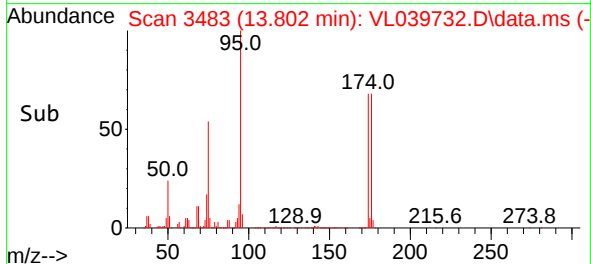
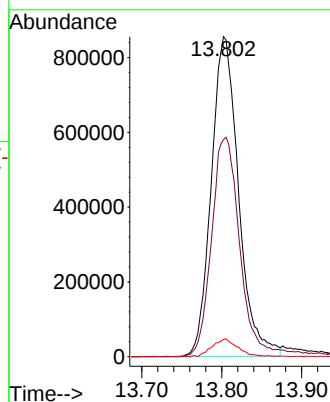
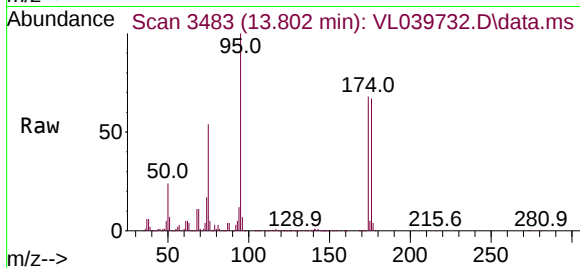




#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.833 ppbv  
RT: 13.802 min Scan# 3476  
Delta R.T. 0.003 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

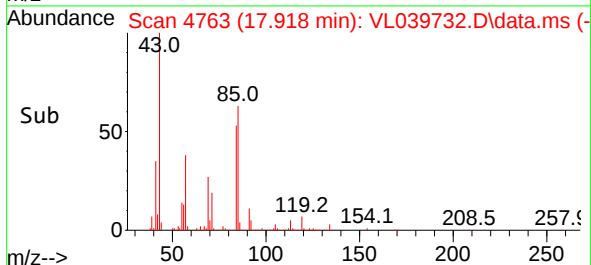
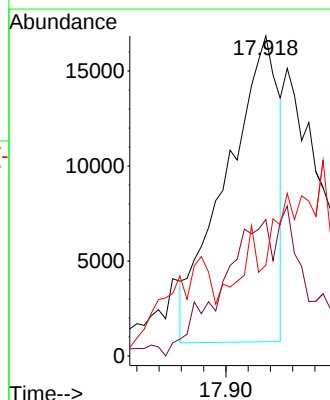
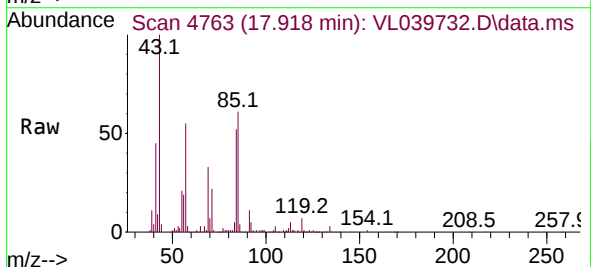
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

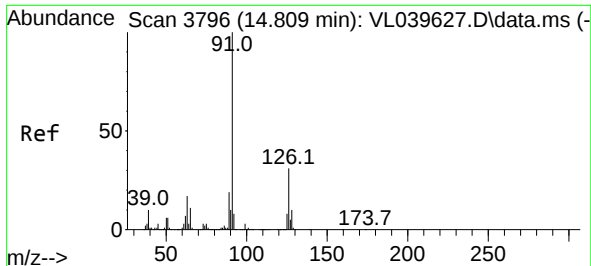
Tgt Ion: 95 Resp: 2026363  
Ion Ratio Lower Upper  
95 100  
174 73.2 55.9 83.9  
175 5.3 4.2 6.4



#70  
n-Butylbenzene  
Concen: 0.065 ppbv  
RT: 17.918 min Scan# 4763  
Delta R.T. 0.006 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 91 Resp: 26404  
Ion Ratio Lower Upper  
91 100  
92 0.0 43.4 65.2#  
134 0.0 18.9 28.3#

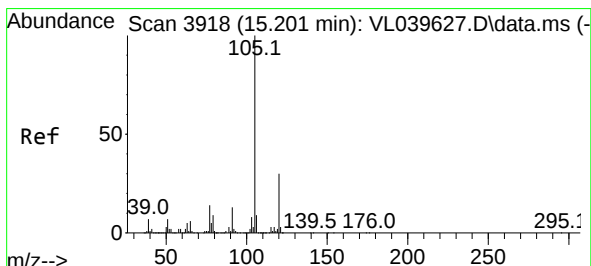
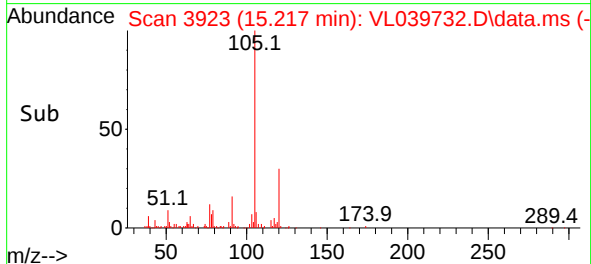
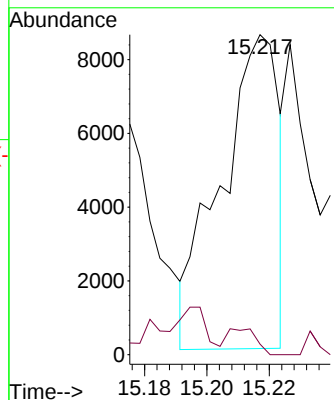
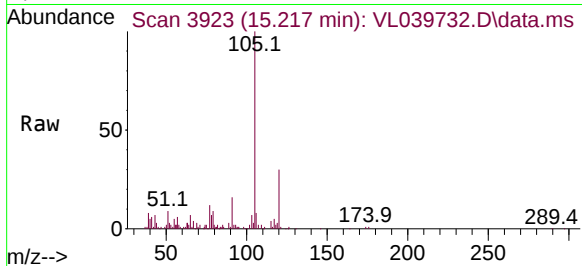




#71  
2-Chlorotoluene  
Concen: 0.037 ppbv  
RT: 15.217 min Scan# 3923  
Delta R.T. 0.389 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

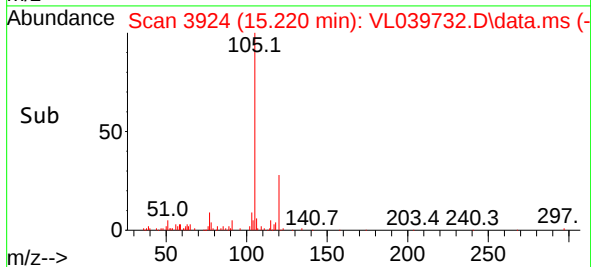
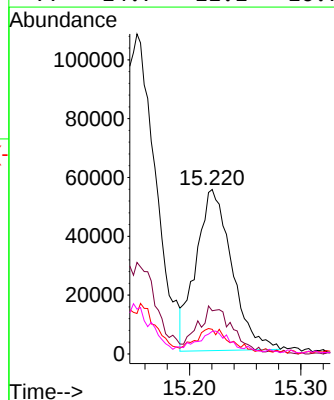
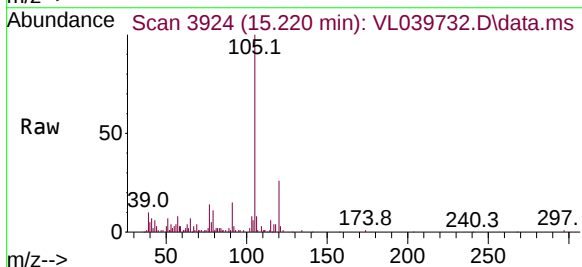
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV3

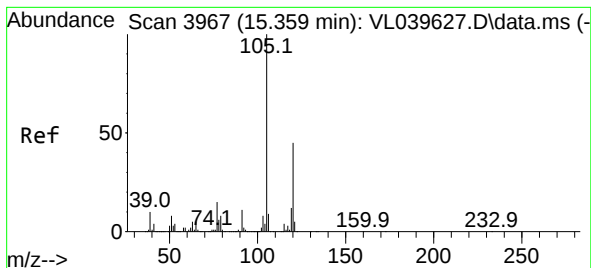
Tgt Ion: 91 Resp: 11007  
Ion Ratio Lower Upper  
91 100  
126 22.6 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 0.397 ppbv  
RT: 15.220 min Scan# 3924  
Delta R.T. -0.000 min  
Lab File: VL039732.D  
Acq: 17 Oct 2022 23:12

Tgt Ion: 105 Resp: 122455  
Ion Ratio Lower Upper  
105 100  
120 30.0 24.2 36.2  
91 17.4 10.2 15.4#  
77 14.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.103 ppbv

RT: 15.387 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

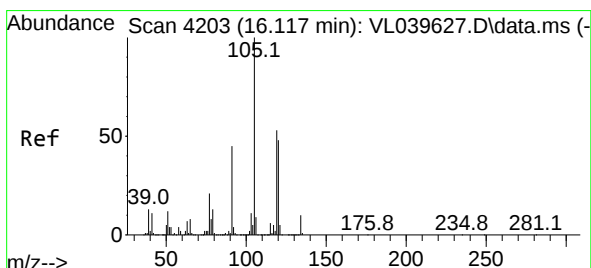
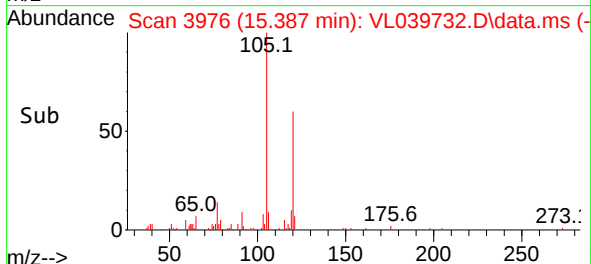
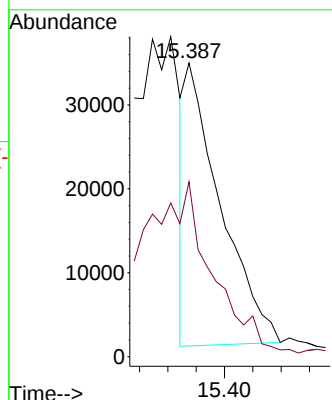
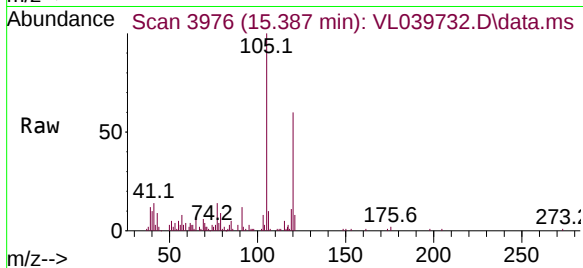
SV3

Tgt Ion:105 Resp: 29036

Ion Ratio Lower Upper

105 100

120 61.1 38.2 57.4#



#74

1,2,4-Trimethylbenzene

Concen: 1.296 ppbv

RT: 16.133 min Scan# 4208

Delta R.T. -0.000 min

Lab File: VL039732.D

Acq: 17 Oct 2022 23:12

Tgt Ion:105 Resp: 410490

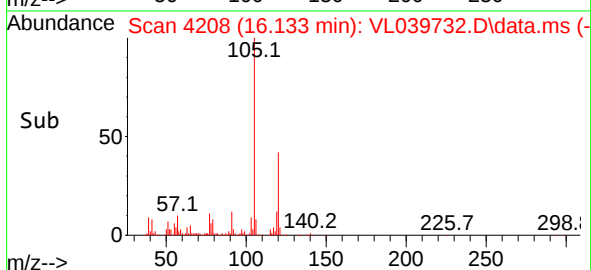
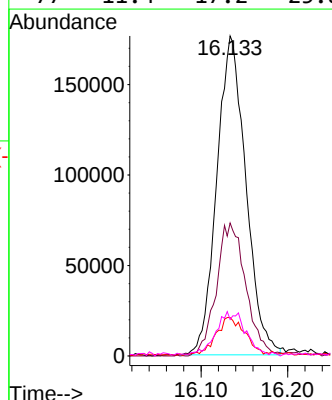
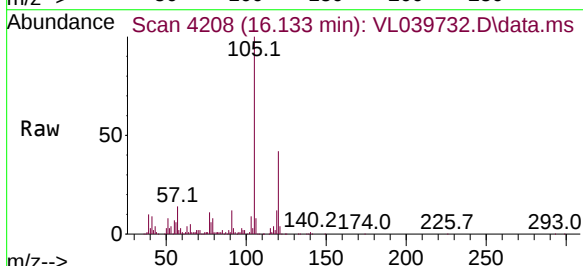
Ion Ratio Lower Upper

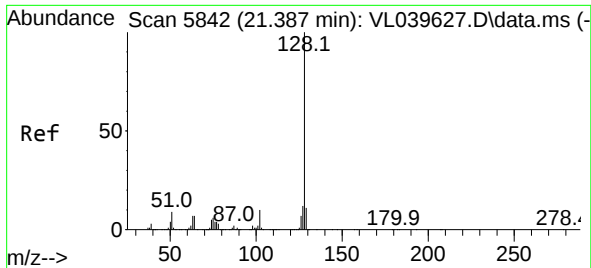
105 100

120 41.7 39.5 59.3

91 11.4 39.2 58.8#

77 11.4 17.2 25.8#





#79

Naphthalene

Concen: 0.037 ppbv

RT: 21.416 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL039732.D

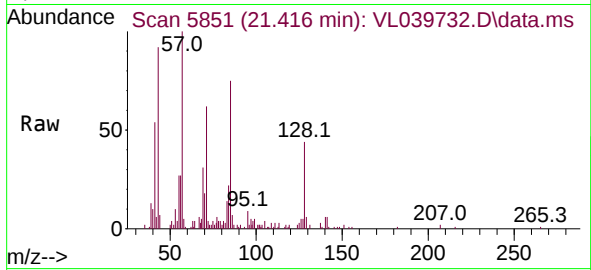
Acq: 17 Oct 2022 23:12

Instrument :

MSVOA\_L

ClientSampleId :

SV3



Tgt Ion:128 Resp: 7794

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 21.7 8.8 13.2#

