

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
 Data File : VX032469.D  
 Acq On : 28 Oct 2022 18:55  
 Operator : JC/MD  
 Sample : N5193-08ME  
 Misc : 9.07g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LSP-SS-04-05-15ME

Quant Time: Oct 29 04:34:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

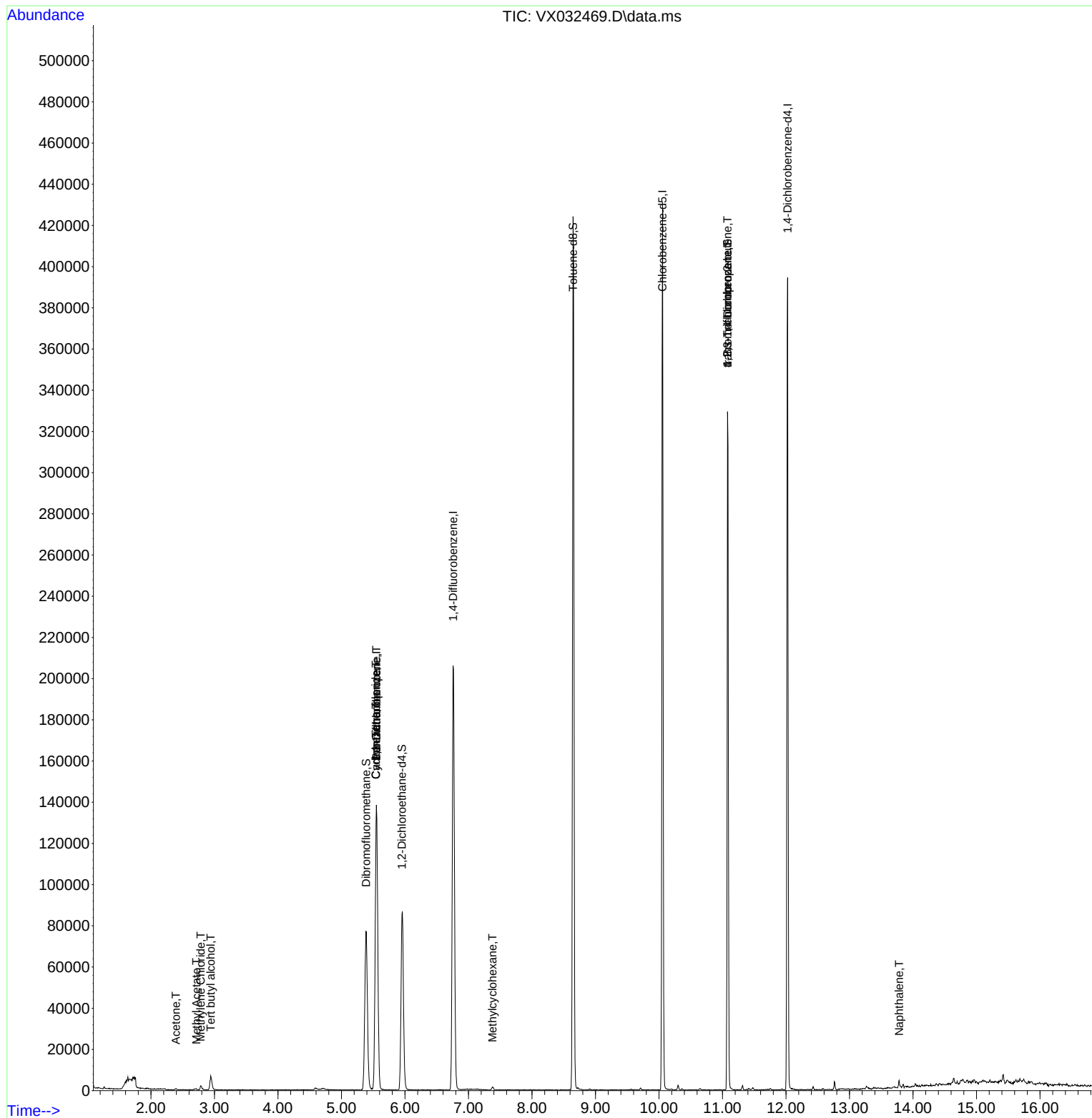
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 128520     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 211450     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 184113     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 82835      | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 85904      | 48.105   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 96.220%  |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 66778      | 44.274   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 88.540%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 250589     | 47.780   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 95.560%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 83864      | 40.935   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 81.880%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.941          | 59   | 3942       | 15.167   | ug/l # | 72       |
| 16) Acetone                   | 2.392          | 43   | 882        | 1.359    | ug/l   | 95       |
| 18) Methyl Acetate            | 2.715          | 43   | 818        | 0.388    | ug/l # | 81       |
| 20) Methylene Chloride        | 2.782          | 84   | 967        | 0.650    | ug/l # | 90       |
| 31) Cyclohexane               | 5.544          | 56   | 2954       | 1.364    | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 9990       | 4.756    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 13216      | 5.673    | ug/l # | 15       |
| 39) Methylcyclohexane         | 7.379          | 83   | 695        | 0.280    | ug/l # | 77       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 45619      | 24.754   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 45619      | 78.769   | ug/l # | 6        |
| 95) Naphthalene               | 13.780         | 128  | 2166       | 0.333    | ug/l   | 96       |
| -----                         |                |      |            |          |        |          |

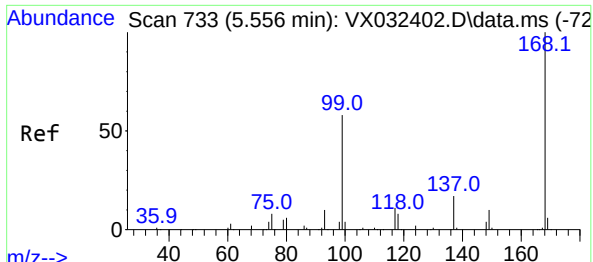
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
Data File : VX032469.D  
Acq On : 28 Oct 2022 18:55  
Operator : JC/MD  
Sample : N5193-08ME  
Misc : 9.07g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

Quant Time: Oct 29 04:34:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

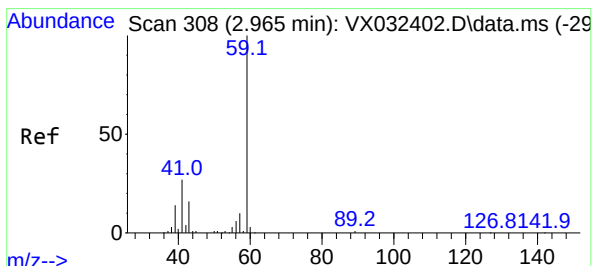
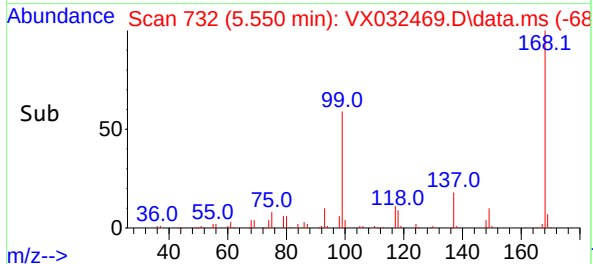
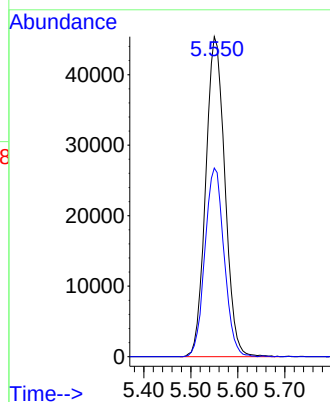
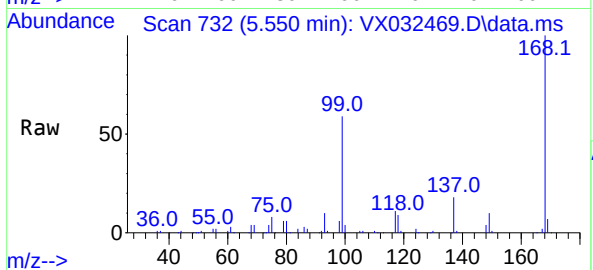




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

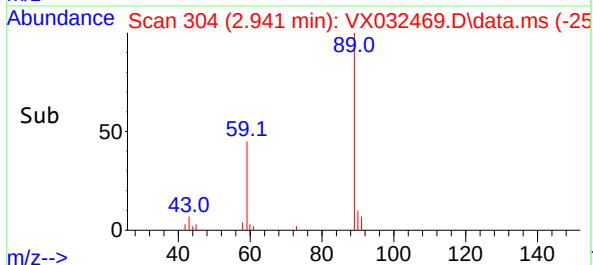
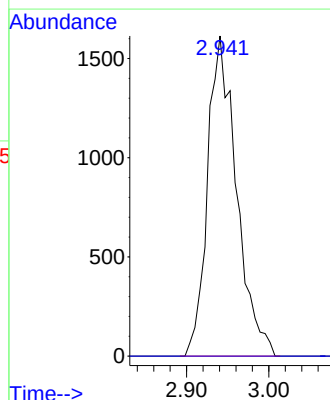
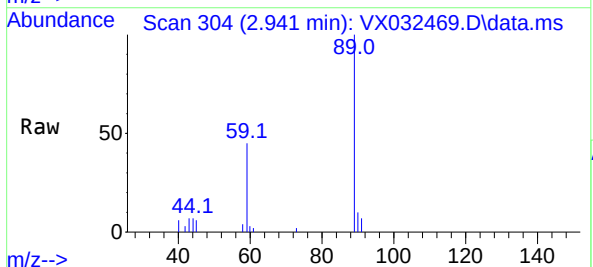
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

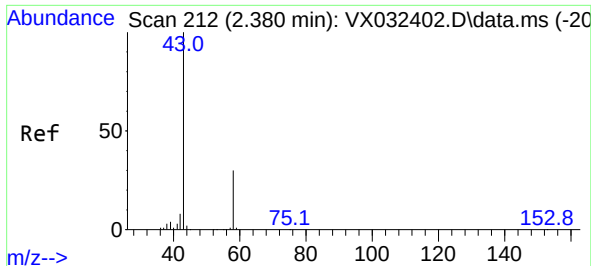
Tgt Ion:168 Resp: 128520  
Ion Ratio Lower Upper  
168 100  
99 59.0 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 15.167 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.024 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion: 59 Resp: 3942  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

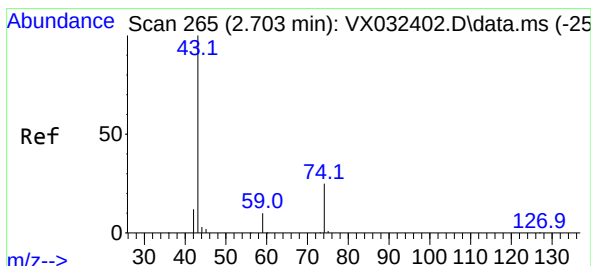
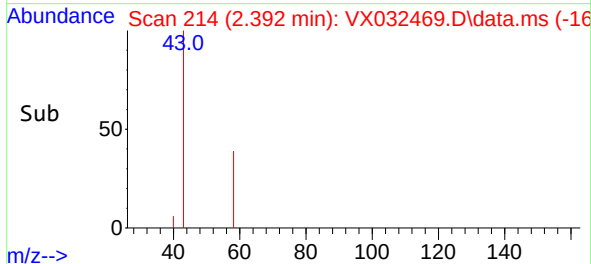
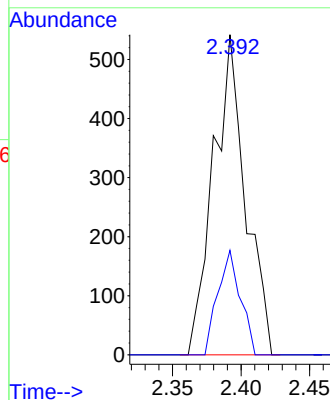
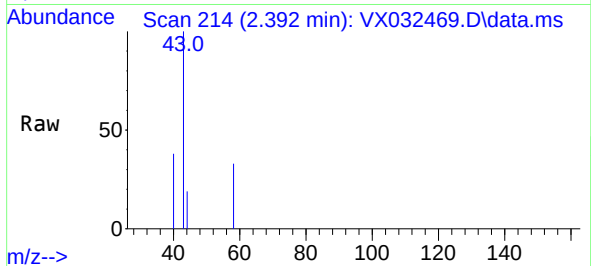




#16  
Acetone  
Concen: 1.359 ug/l  
RT: 2.392 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

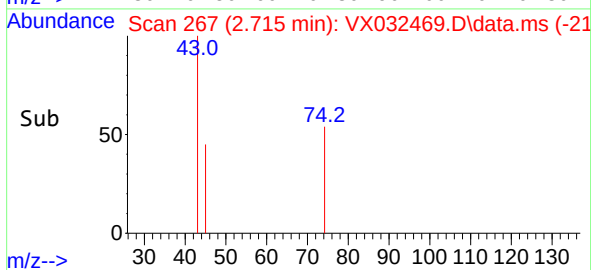
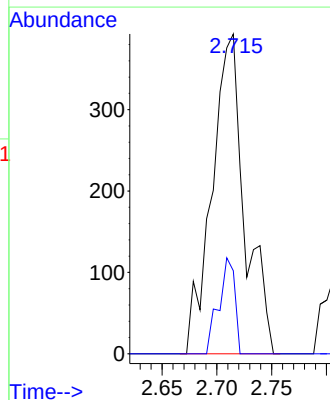
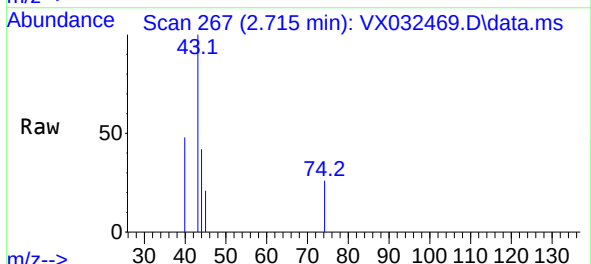
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

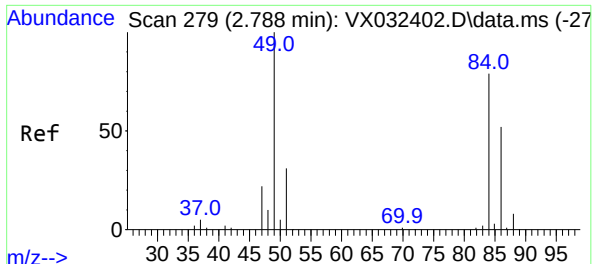
Tgt Ion: 43 Resp: 882  
Ion Ratio Lower Upper  
43 100  
58 32.7 23.8 35.8



#18  
Methyl Acetate  
Concen: 0.388 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. 0.012 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion: 43 Resp: 818  
Ion Ratio Lower Upper  
43 100  
74 14.7 19.4 29.0#



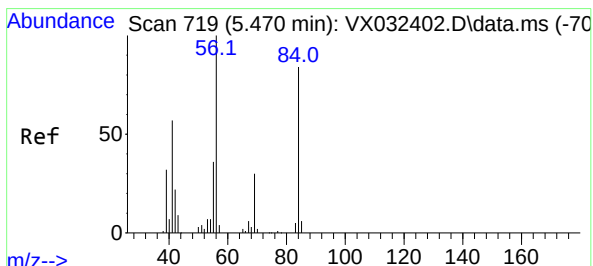
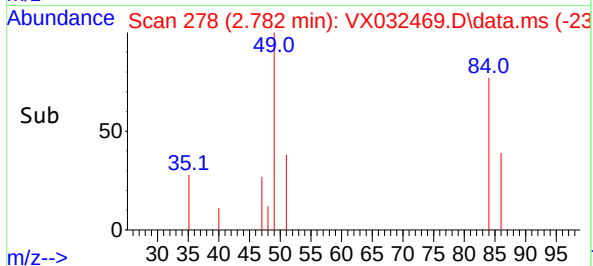
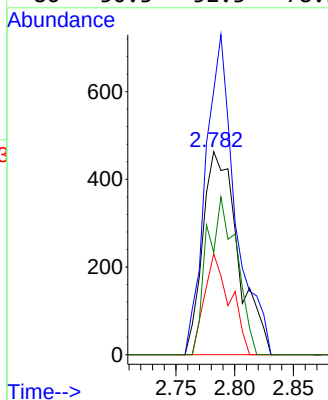
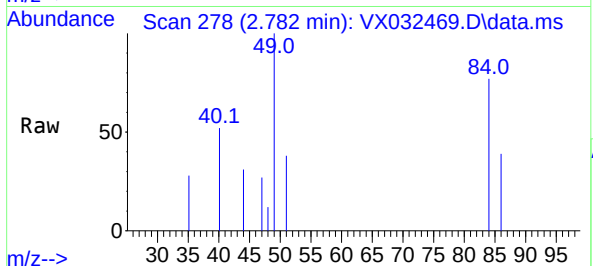


#20  
Methylene Chloride  
Concen: 0.650 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

Tgt Ion: 84 Resp: 967

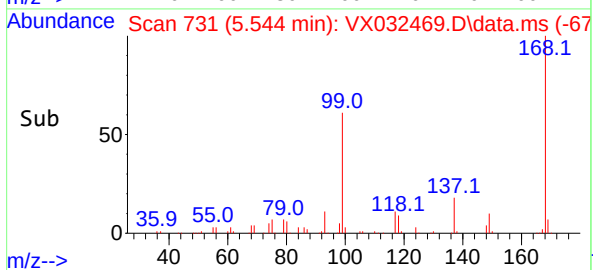
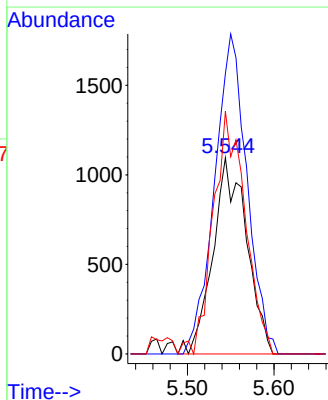
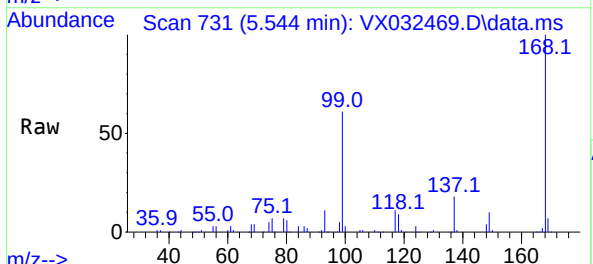
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 130.0 | 101.0 | 151.6 |
| 51  | 49.7  | 31.1  | 46.7# |
| 86  | 50.3  | 52.3  | 78.5# |

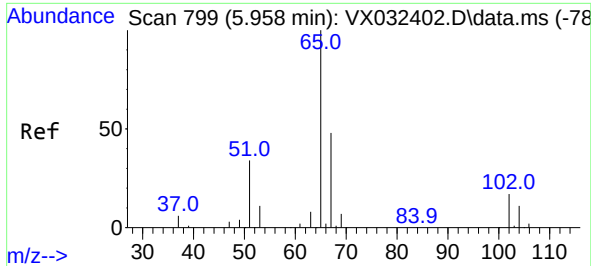


#31  
Cyclohexane  
Concen: 1.364 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion: 56 Resp: 2954

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 142.9 | 24.1  | 36.1#  |
| 84  | 123.7 | 66.9  | 100.3# |





#33

1,2-Dichloroethane-d4

Concen: 48.105 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX032469.D

Acq: 28 Oct 2022 18:55

Instrument :

MSVOA\_X

ClientSampleId :

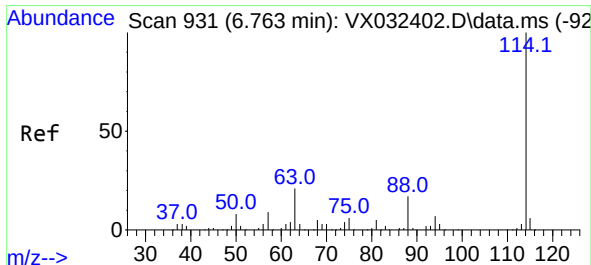
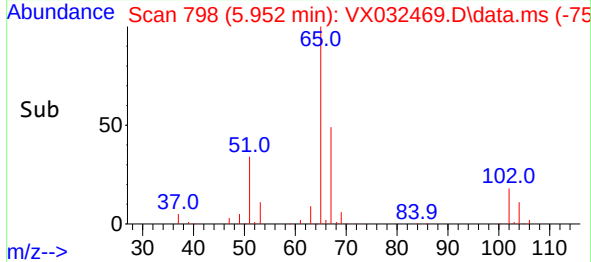
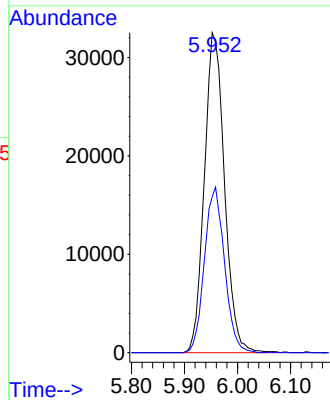
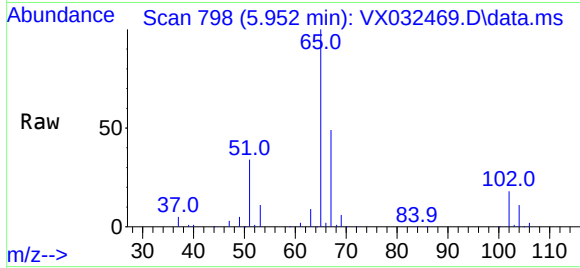
LSP-SS-04-05-15ME

Tgt Ion: 65 Resp: 85904

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX032469.D

Acq: 28 Oct 2022 18:55

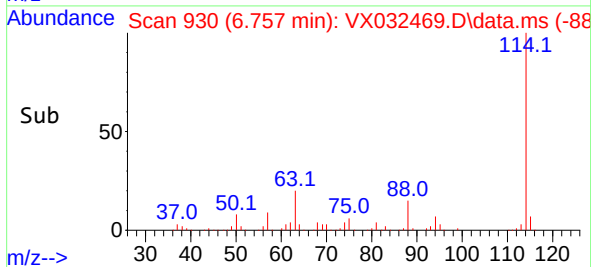
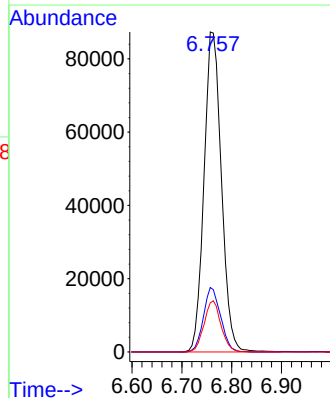
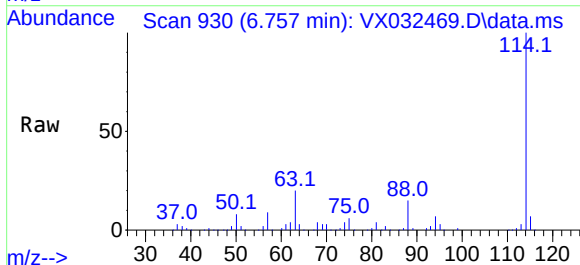
Tgt Ion: 114 Resp: 211450

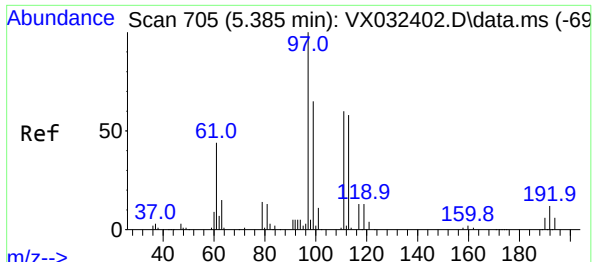
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 15.4 0.0 33.4

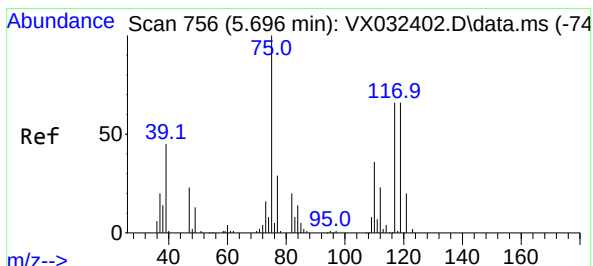
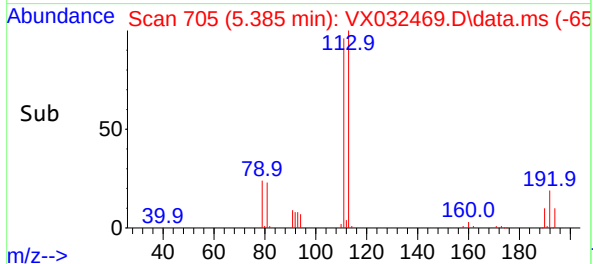
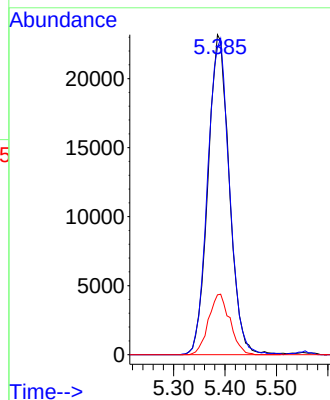
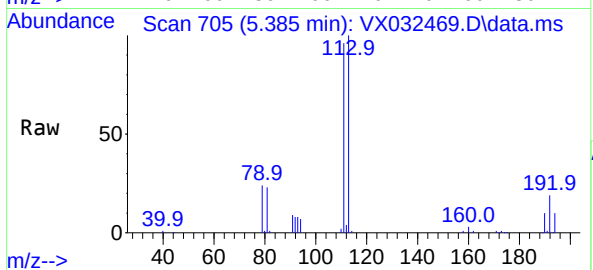




#35  
Dibromofluoromethane  
Concen: 44.274 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

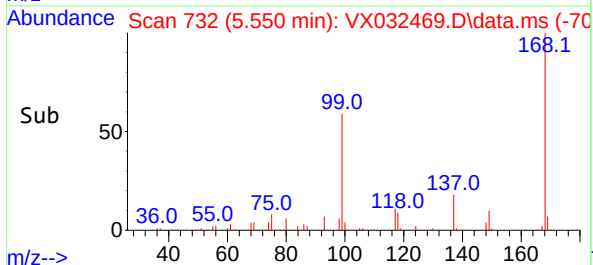
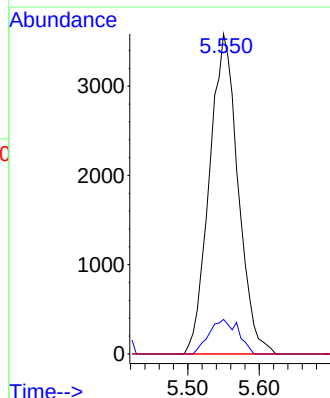
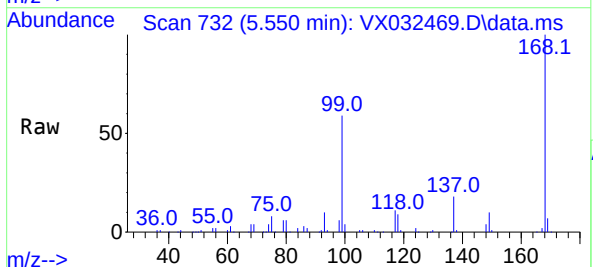
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

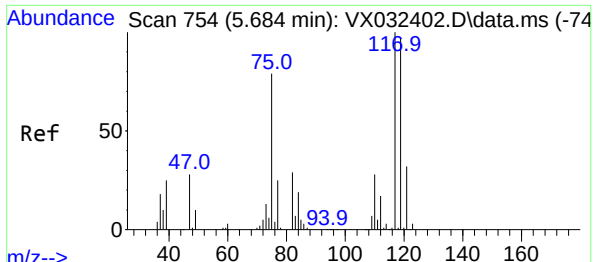
Tgt Ion:113 Resp: 66778  
Ion Ratio Lower Upper  
113 100  
111 100.8 82.4 123.6  
192 19.0 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.756 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

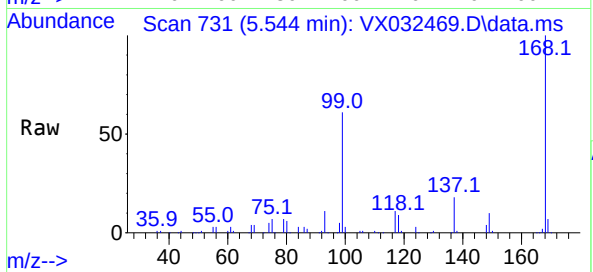
Tgt Ion: 75 Resp: 9990  
Ion Ratio Lower Upper  
75 100  
110 10.9 18.4 55.2#  
77 0.0 24.5 36.7#



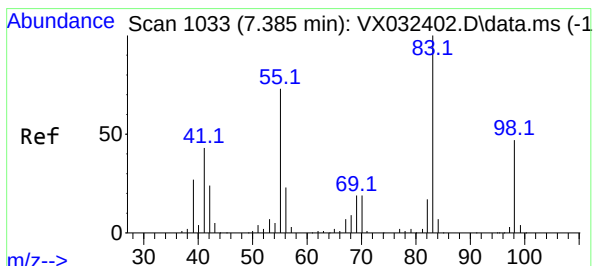
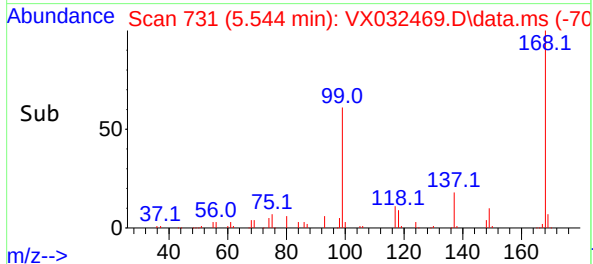
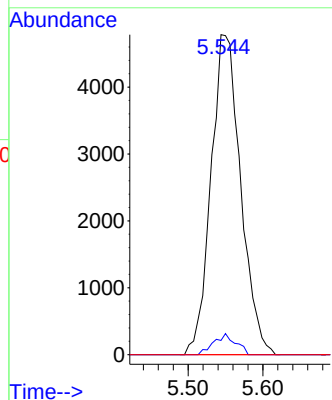


#38  
Carbon Tetrachloride  
Concen: 5.673 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

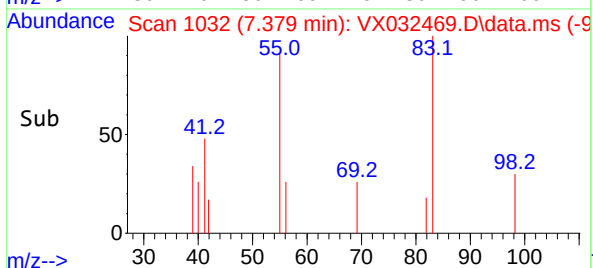
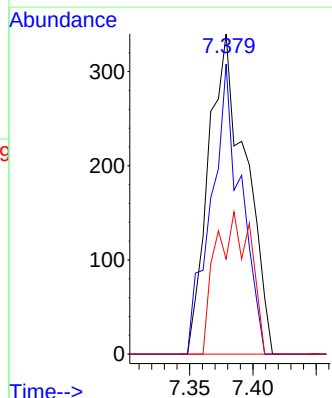
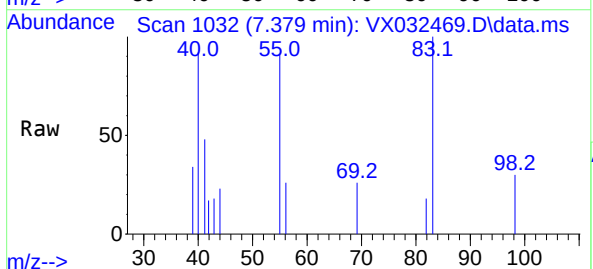


Tgt Ion:117 Resp: 13216  
Ion Ratio Lower Upper  
117 100  
119 4.4 77.2 115.8#  
121 0.0 25.8 38.6#

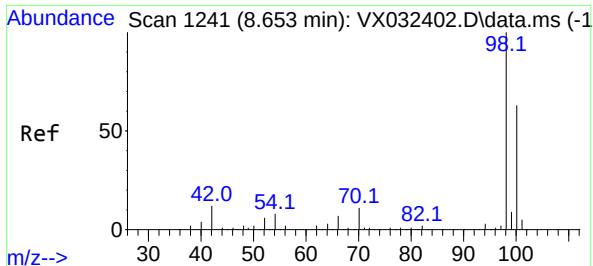


#39  
Methylcyclohexane  
Concen: 0.280 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion: 83 Resp: 695  
Ion Ratio Lower Upper  
83 100  
55 90.6 58.4 87.6#  
98 29.7 37.2 55.8#



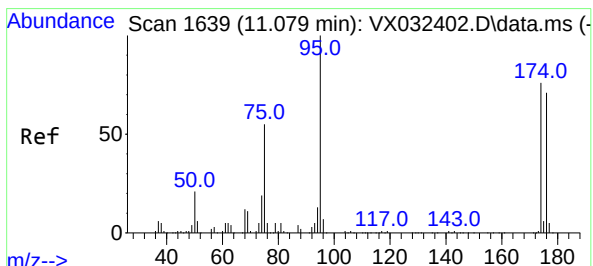
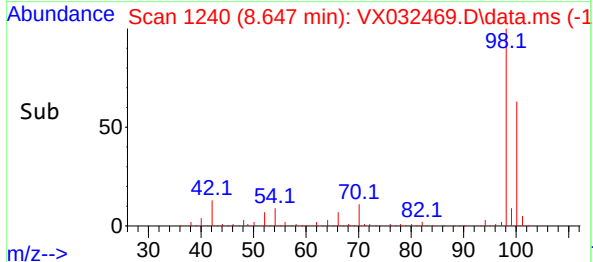
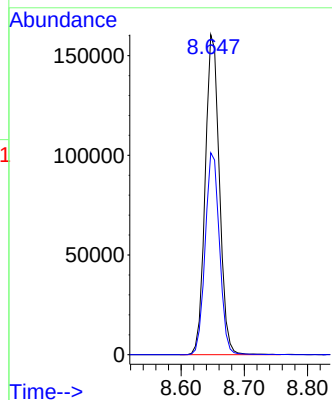
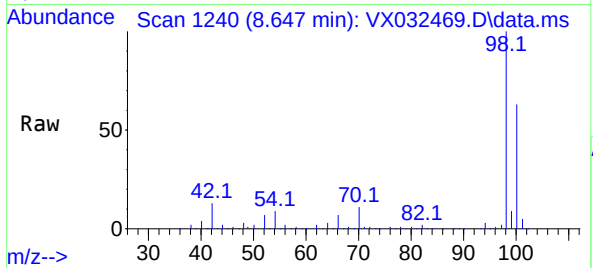




#50  
Toluene-d8  
Concen: 47.780 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

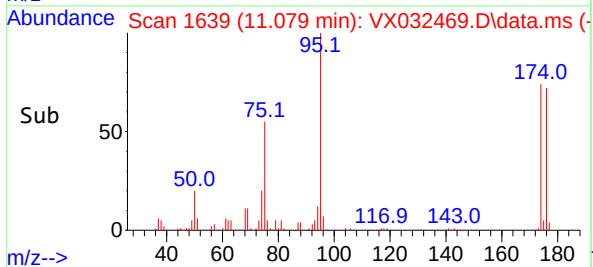
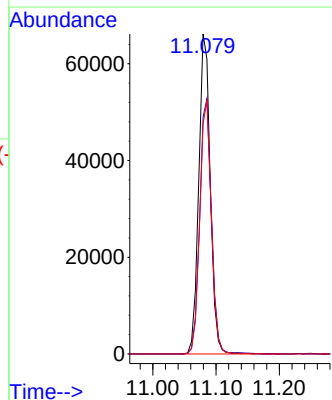
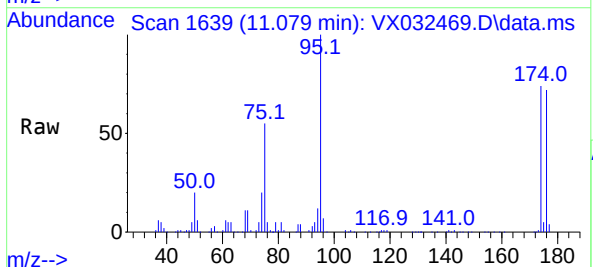
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

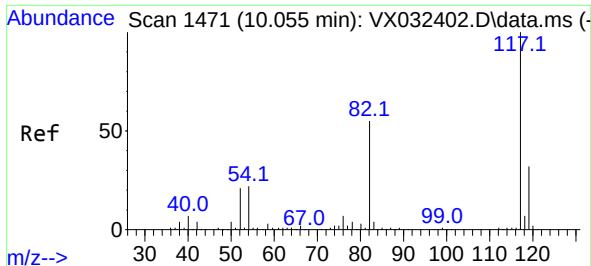
Tgt Ion: 98 Resp: 250589  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 40.935 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion: 95 Resp: 83864  
Ion Ratio Lower Upper  
95 100  
174 81.1 0.0 164.0  
176 79.3 0.0 154.4

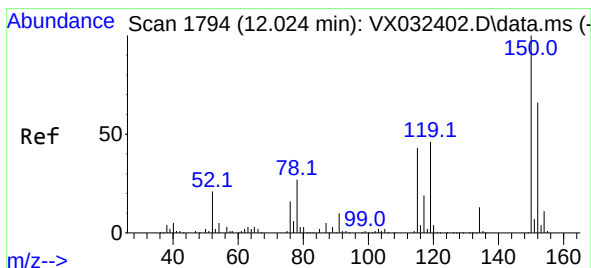
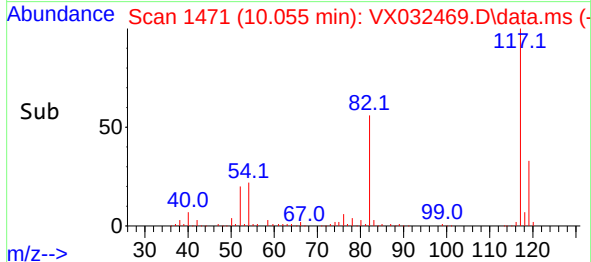
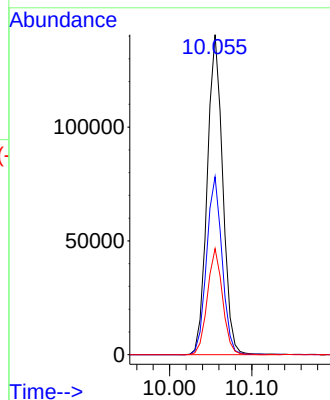
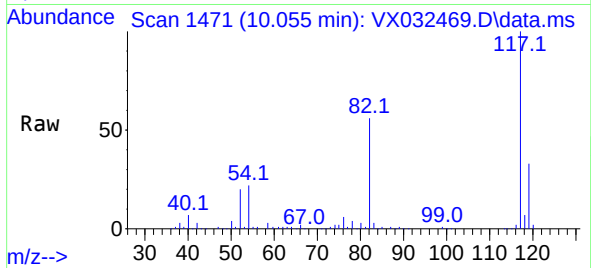




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

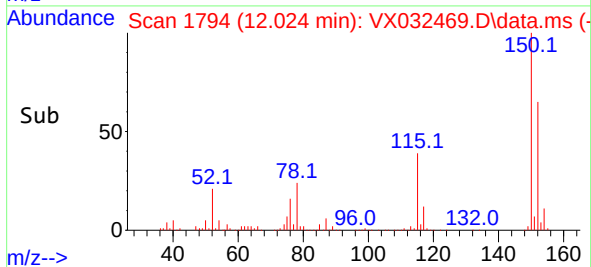
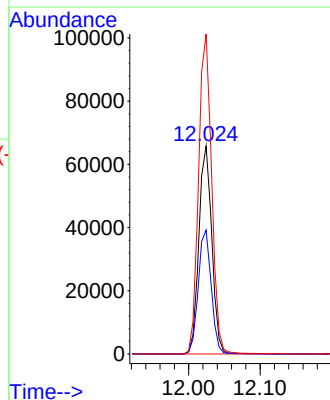
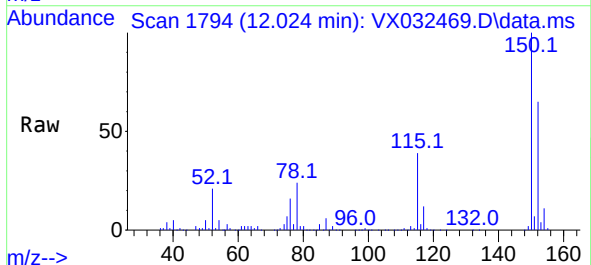
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

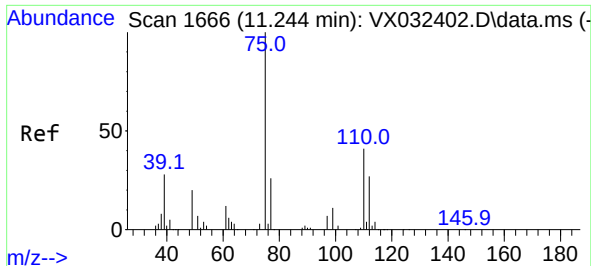
Tgt Ion:117 Resp: 184113  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.3 66.5  
119 33.1 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Tgt Ion:152 Resp: 82835  
Ion Ratio Lower Upper  
152 100  
115 59.7 44.0 132.0  
150 155.1 0.0 351.8

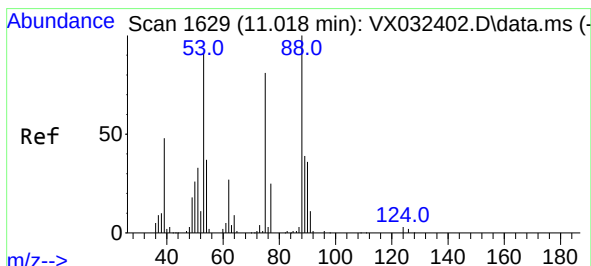
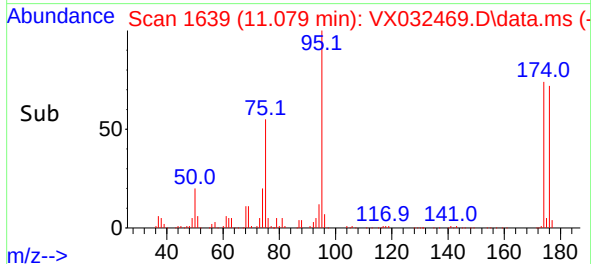
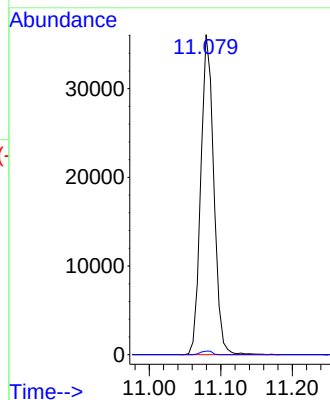
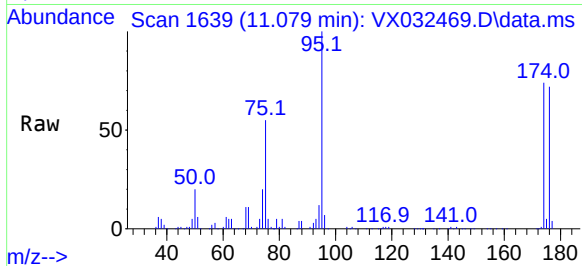




#76  
1,2,3-Trichloropropane  
Concen: 24.754 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

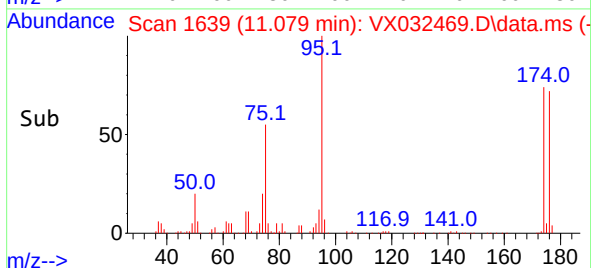
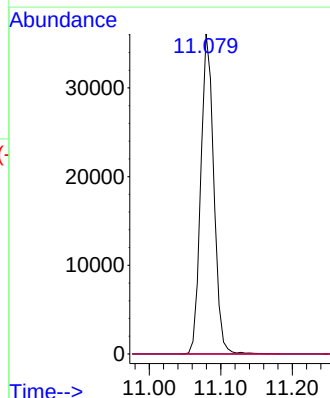
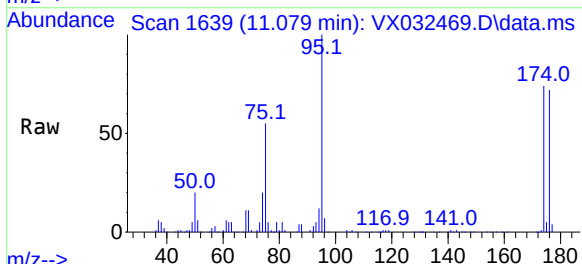
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME

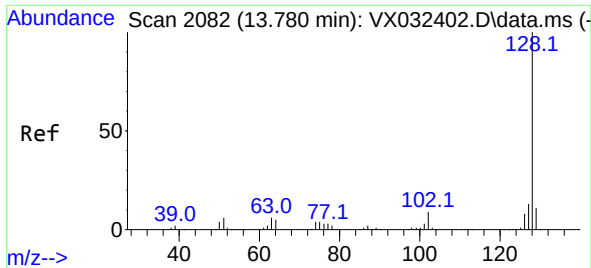
Tgt Ion: 75 Resp: 45619  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 60.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.769 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

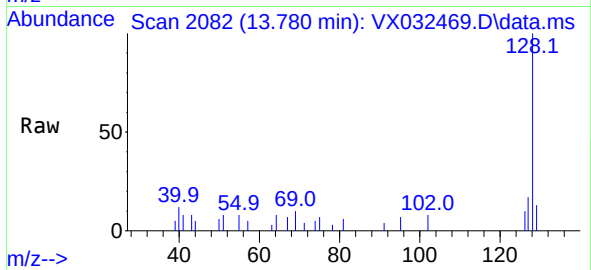
Tgt Ion: 75 Resp: 45619  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#





#95  
Naphthalene  
Concen: 0.333 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX032469.D  
Acq: 28 Oct 2022 18:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-04-05-15ME



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2166  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.7  | 10.2  | 15.4  |
| 129      | 13.1  | 8.9   | 13.3  |

