

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
 Data File : VX032472.D  
 Acq On : 28 Oct 2022 20:05  
 Operator : JC/MD  
 Sample : N5193-13  
 Misc : 6.07g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LSP-SS-07-00-20

Quant Time: Oct 29 04:35:03 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

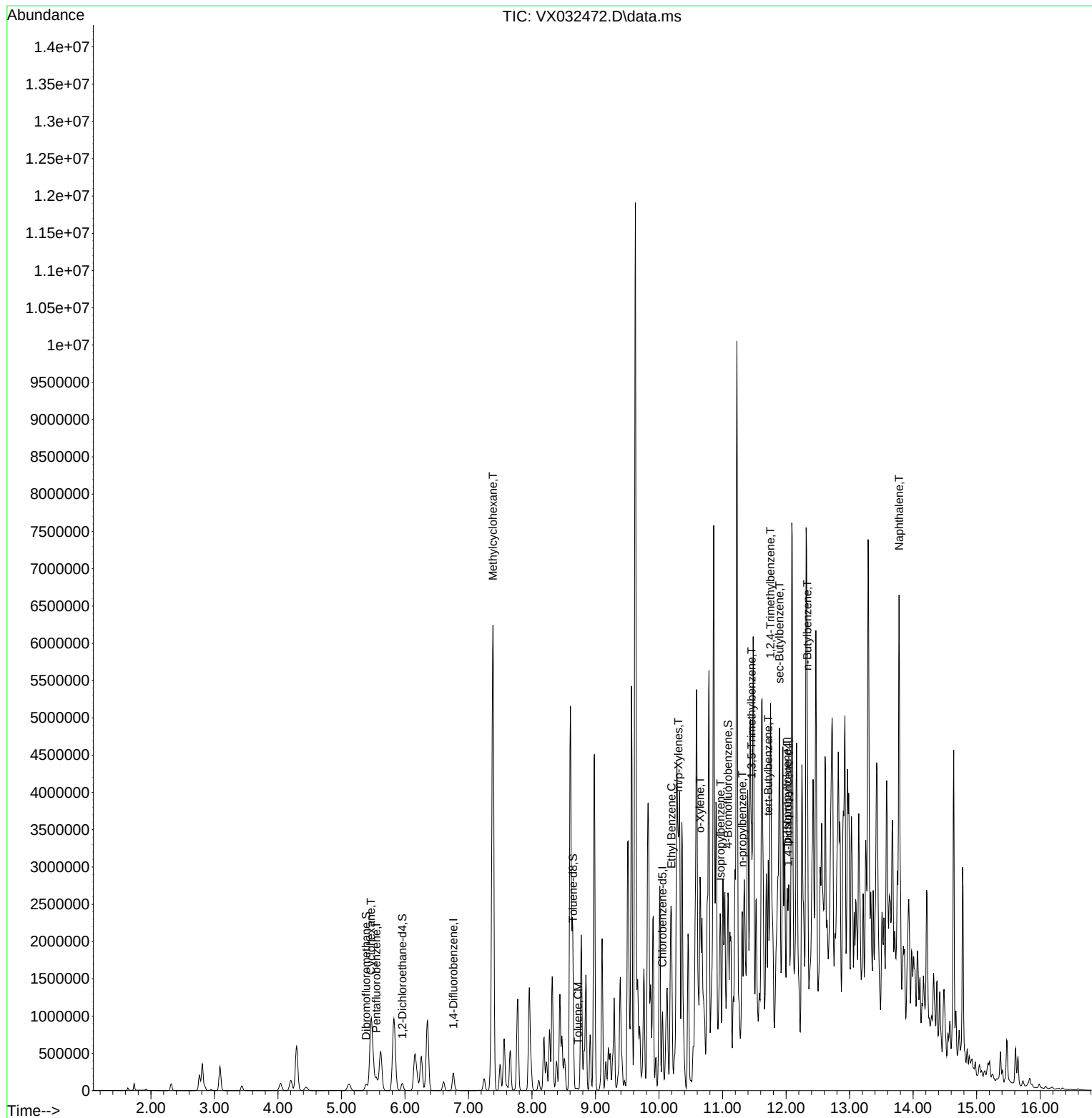
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 5.550  | 168   | 150397   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 241871   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 232500   | 50.000   | ug/l  | # 0.00    |
| 72) 1,4-Dichlorobenzene-d4  | 12.030 | 152   | 140478   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 96737    | 46.292   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 92.580%   |
| 35) Dibromofluoromethane    | 5.385  | 113   | 75031    | 43.489   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 86.980%   |
| 50) Toluene-d8              | 8.647  | 98    | 353095   | 58.857   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 117.720%# |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 87663    | 37.408   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 74.820%#  |
| Target Compounds            |        |       |          |          |       |           |
|                             |        |       |          |          |       | Qvalue    |
| 31) Cyclohexane             | 5.464  | 56    | 690223   | 272.411  | ug/l  | 93        |
| 39) Methylcyclohexane       | 7.385  | 83    | 2863923  | 1007.503 | ug/l  | 97        |
| 52) Toluene                 | 8.726  | 92    | 6239     | 1.407    | ug/l  | 96        |
| 67) Ethyl Benzene           | 10.195 | 91    | 715139   | 76.787   | ug/l  | 100       |
| 68) m/p-Xylenes             | 10.305 | 106   | 72408    | 20.022   | ug/l  | 78        |
| 69) o-Xylene                | 10.646 | 106   | 462542   | 131.547  | ug/l  | 98        |
| 73) Isopropylbenzene        | 10.970 | 105   | 710754   | 63.849   | ug/l  | 99        |
| 78) n-propylbenzene         | 11.311 | 91    | 1001751  | 78.108   | ug/l  | 99        |
| 80) 1,3,5-Trimethylbenzene  | 11.457 | 105   | 765337   | 80.444   | ug/l  | 99        |
| 83) tert-Butylbenzene       | 11.719 | 119   | 83914    | 8.835    | ug/l  | 79        |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 1054356  | 111.425  | ug/l  | 97        |
| 85) sec-Butylbenzene        | 11.896 | 105   | 937595   | 82.036   | ug/l  | # 77      |
| 86) p-Isopropyltoluene      | 12.018 | 119   | 536613   | 55.333   | ug/l  | 99        |
| 89) n-Butylbenzene          | 12.335 | 91    | 791272   | 93.786   | ug/l  | # 50      |
| 95) Naphthalene             | 13.780 | 128   | 3247388  | 294.460  | ug/l  | # 95      |
| -----                       |        |       |          |          |       |           |

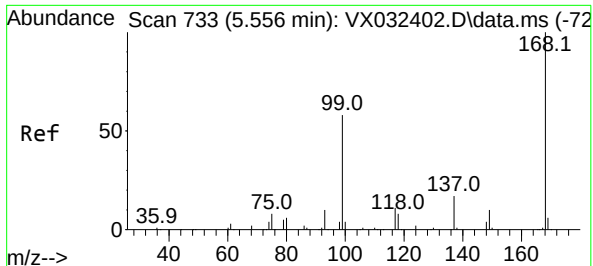
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
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Instrument :  
MSVOA\_X  
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Quant Time: Oct 29 04:35:03 2022  
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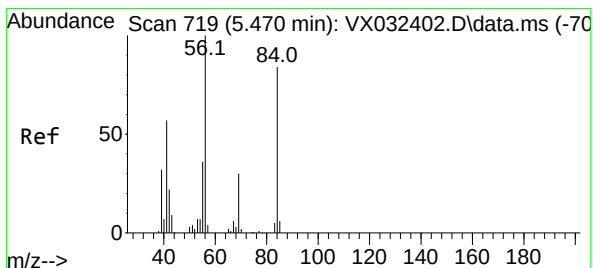
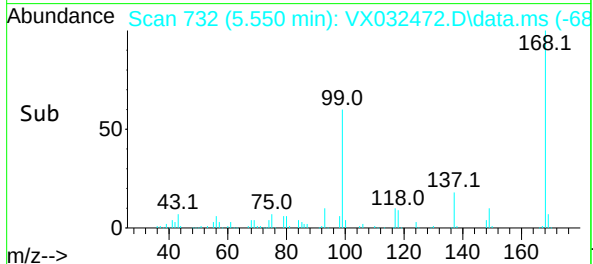
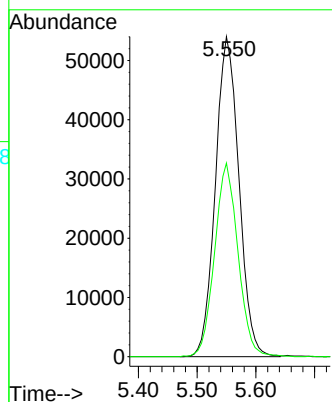
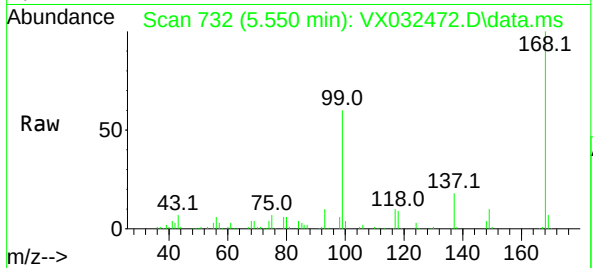




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

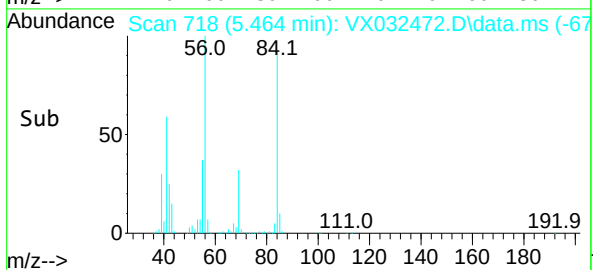
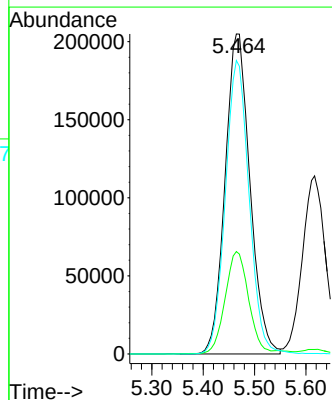
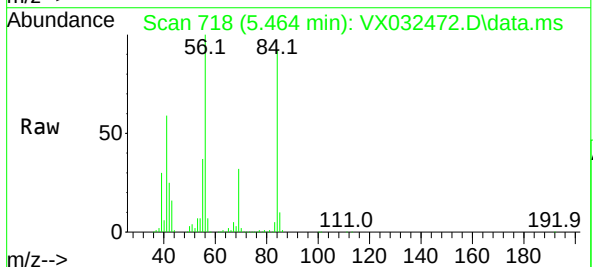
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20

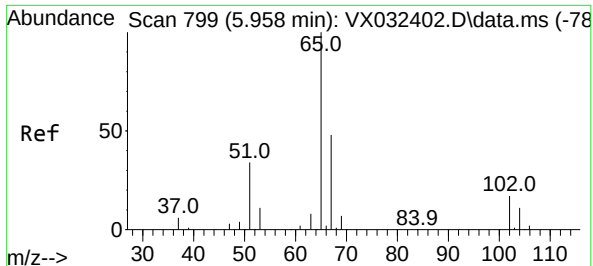
Tgt Ion:168 Resp: 150397  
Ion Ratio Lower Upper  
168 100  
99 60.5 46.1 69.1



#31  
Cyclohexane  
Concen: 272.411 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion: 56 Resp: 690223  
Ion Ratio Lower Upper  
56 100  
69 32.0 24.1 36.1  
84 91.7 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 46.292 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032472.D

Acq: 28 Oct 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

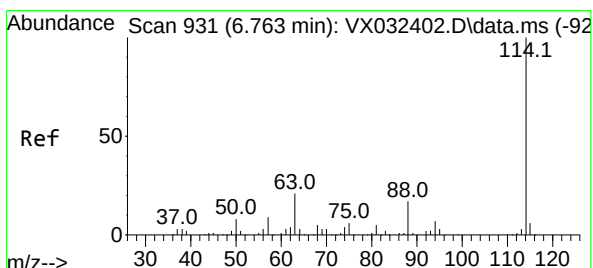
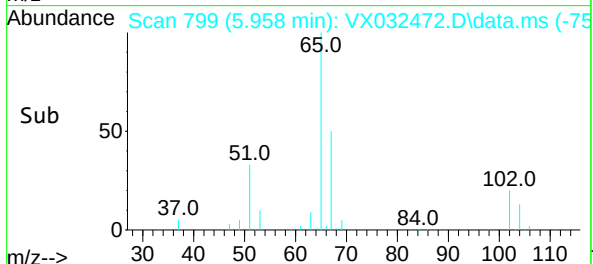
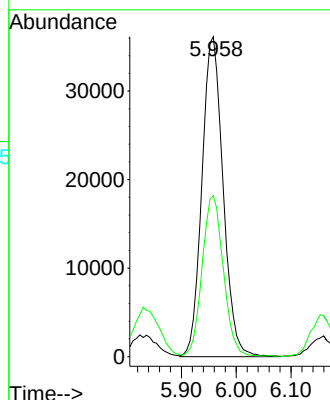
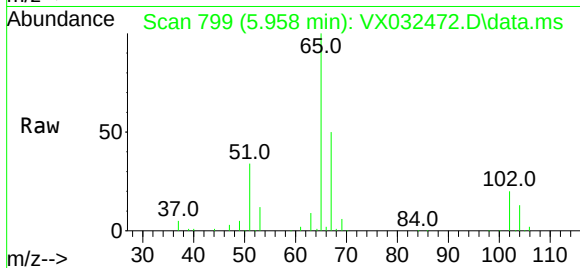
LSP-SS-07-00-20

Tgt Ion: 65 Resp: 96737

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032472.D

Acq: 28 Oct 2022 20:05

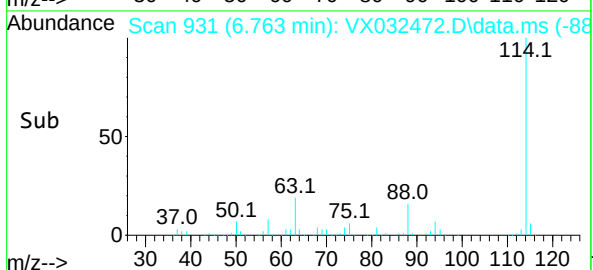
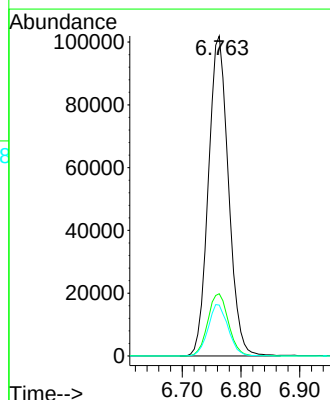
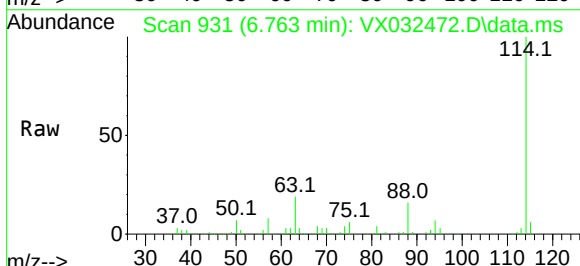
Tgt Ion: 114 Resp: 241871

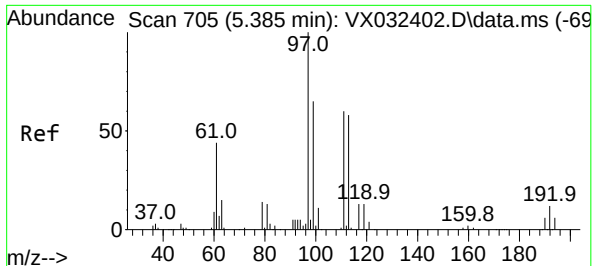
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 43.489 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032472.D

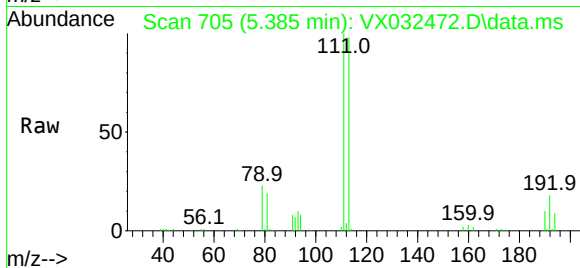
Acq: 28 Oct 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

LSP-SS-07-00-20



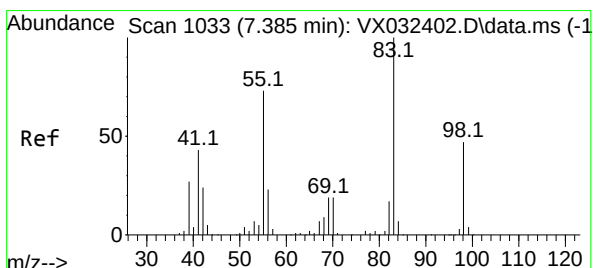
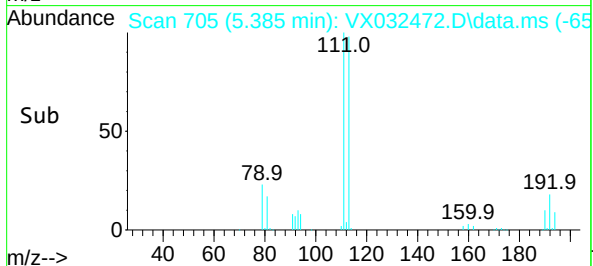
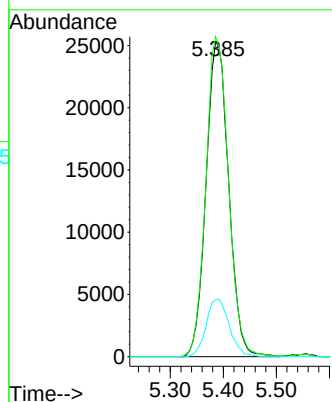
Tgt Ion:113 Resp: 75031

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 18.7 15.4 23.2



#39

Methylcyclohexane

Concen: 1007.503 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX032472.D

Acq: 28 Oct 2022 20:05

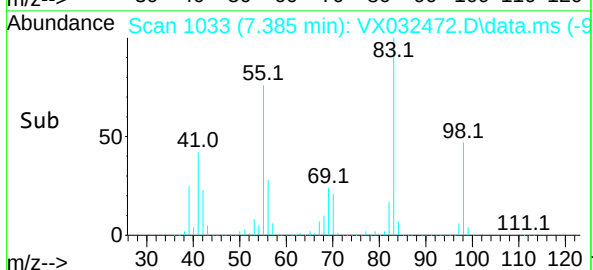
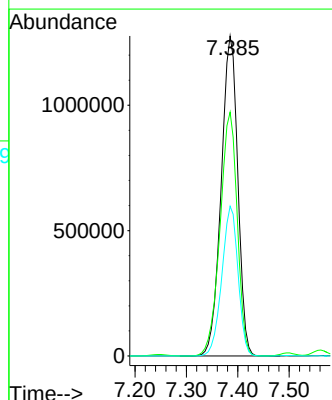
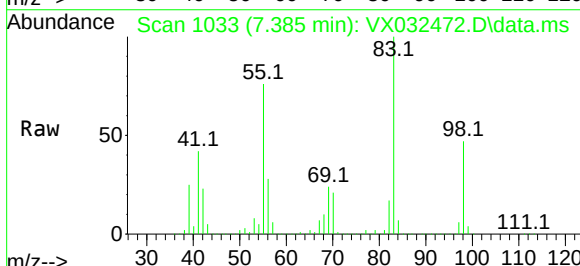
Tgt Ion: 83 Resp: 2863923

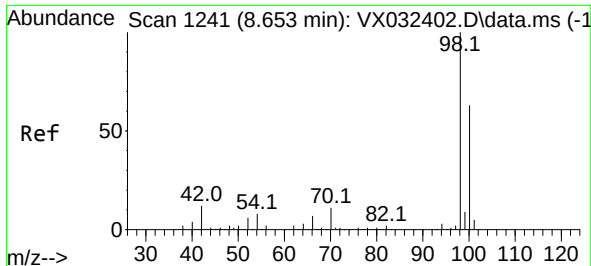
Ion Ratio Lower Upper

83 100

55 76.2 58.4 87.6

98 46.8 37.2 55.8

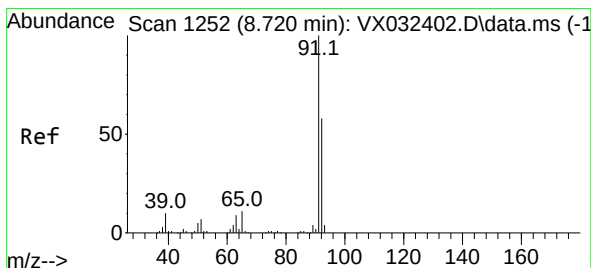
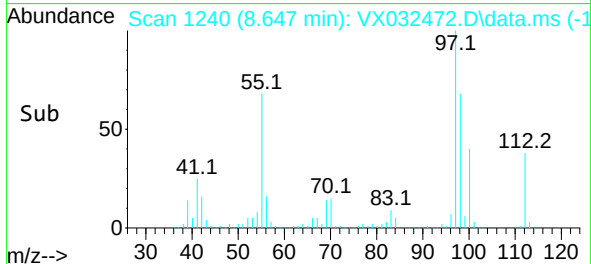
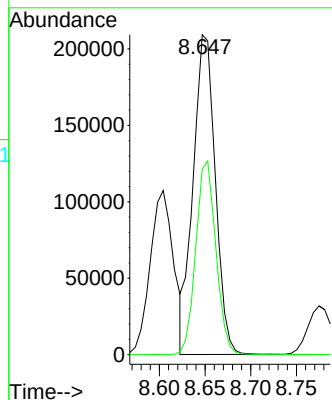
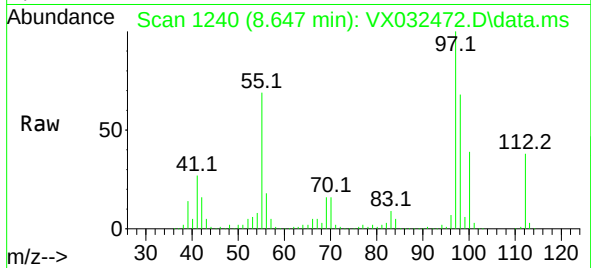




#50  
Toluene-d8  
Concen: 58.857 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

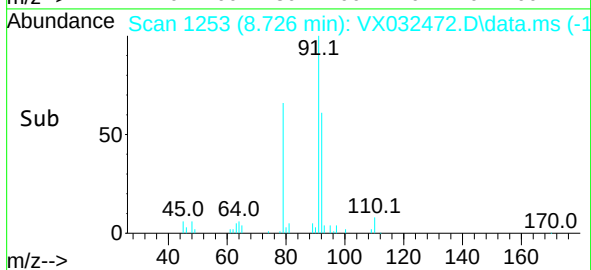
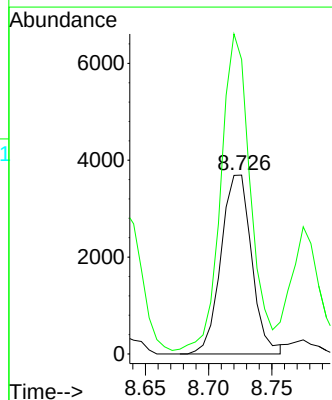
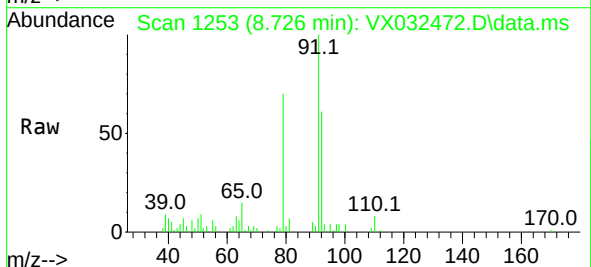
Instrument :  
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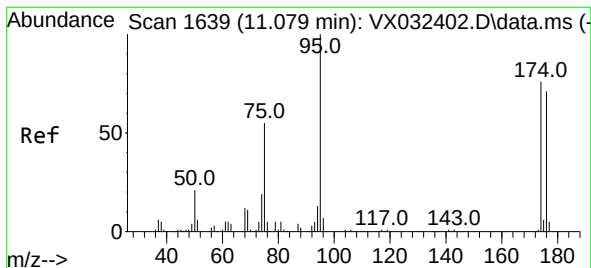
Tgt Ion: 98 Resp: 353095  
Ion Ratio Lower Upper  
98 100  
100 55.3 50.9 76.3



#52  
Toluene  
Concen: 1.407 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion: 92 Resp: 6239  
Ion Ratio Lower Upper  
92 100  
91 167.9 138.3 207.5

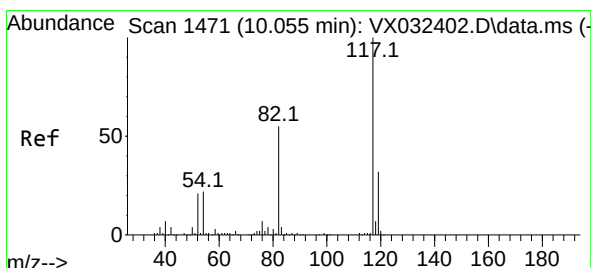
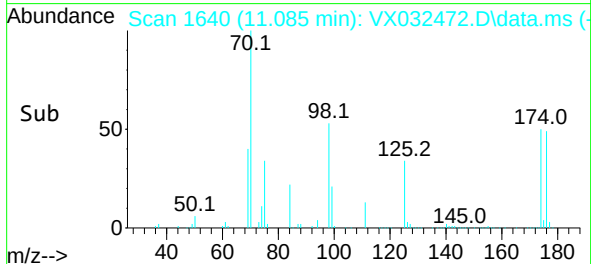
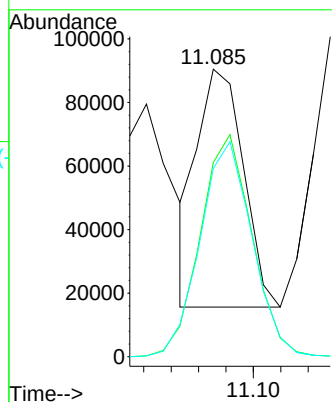
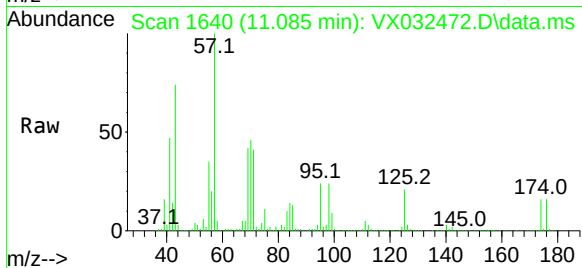




#62  
4-Bromofluorobenzene  
Concen: 37.408 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

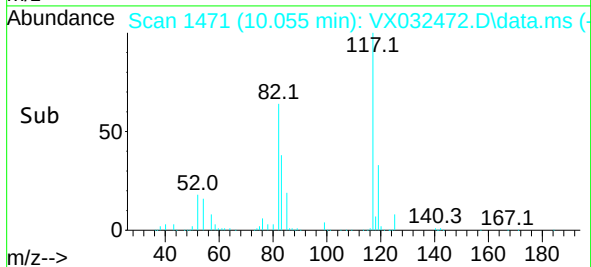
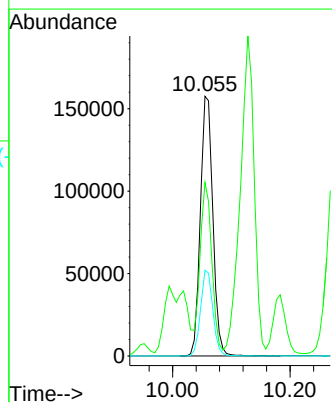
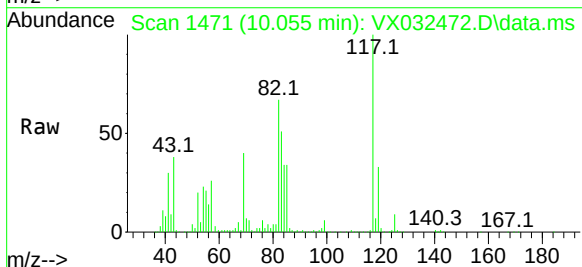
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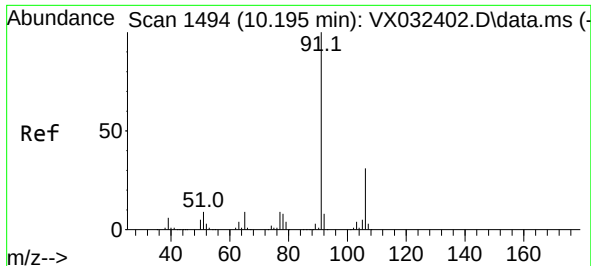
Tgt Ion: 95 Resp: 87663  
Ion Ratio Lower Upper  
95 100  
174 105.1 0.0 164.0  
176 102.6 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion: 117 Resp: 232500  
Ion Ratio Lower Upper  
117 100  
82 43.4 44.3 66.5#  
119 33.0 25.7 38.5





#67

Ethyl Benzene

Concen: 76.787 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032472.D

Acq: 28 Oct 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

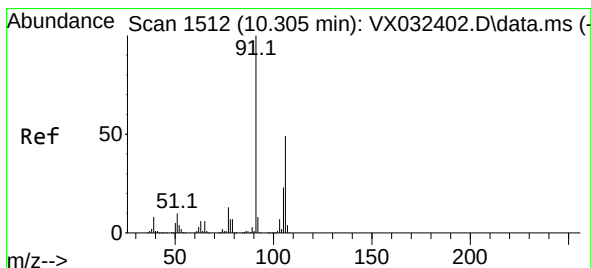
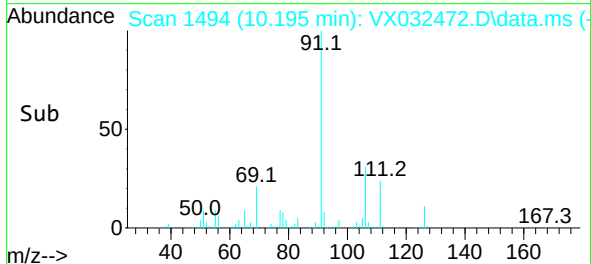
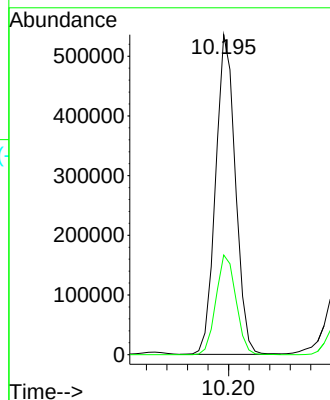
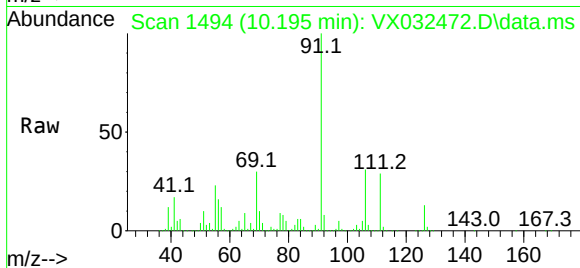
LSP-SS-07-00-20

Tgt Ion: 91 Resp: 715139

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6



#68

m/p-Xylenes

Concen: 20.022 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX032472.D

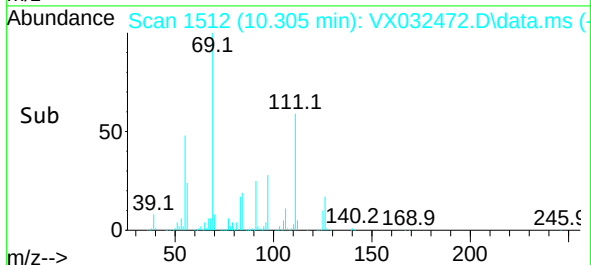
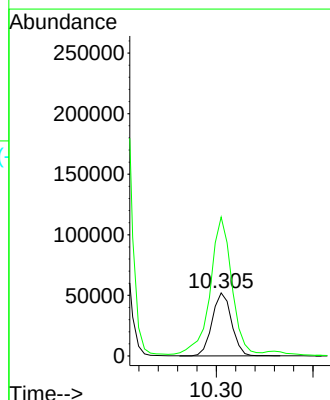
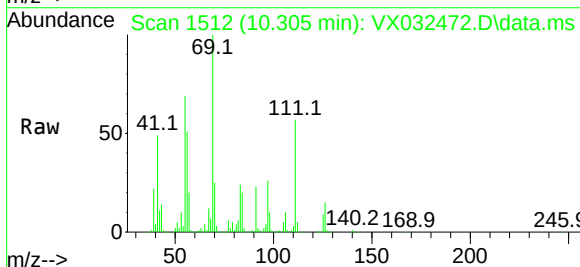
Acq: 28 Oct 2022 20:05

Tgt Ion:106 Resp: 72408

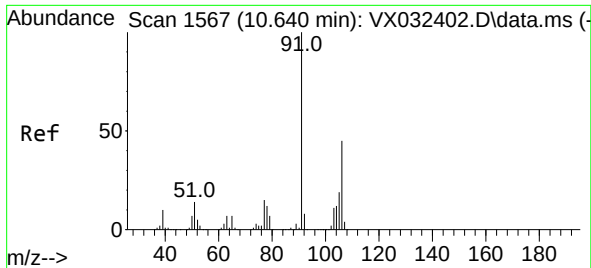
Ion Ratio Lower Upper

106 100

91 240.1 164.5 246.7



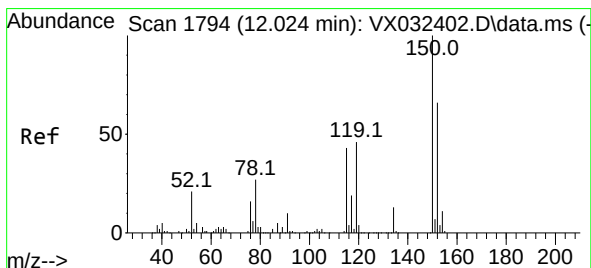
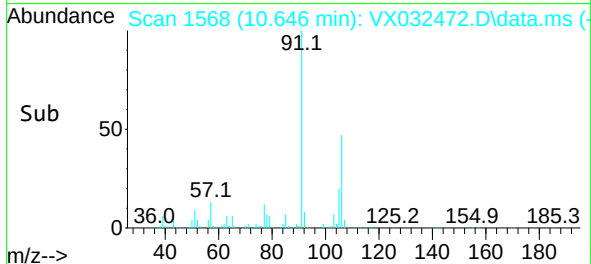
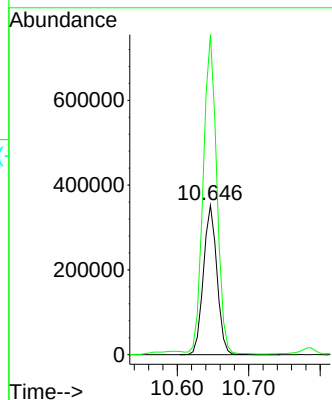
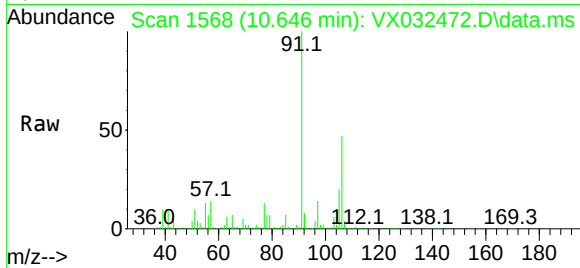




#69  
o-Xylene  
Concen: 131.547 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

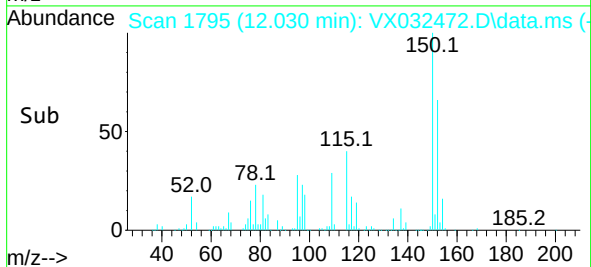
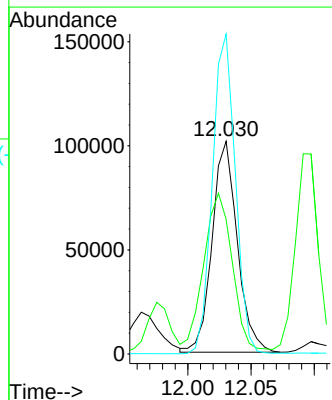
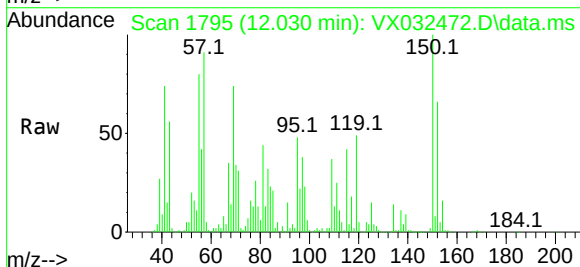
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20

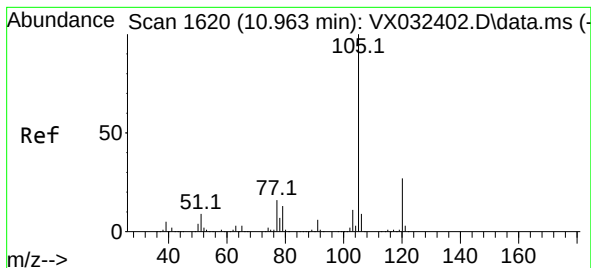
Tgt Ion:106 Resp: 462542  
Ion Ratio Lower Upper  
106 100  
91 215.4 109.2 327.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.030 min Scan# 1795  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion:152 Resp: 140478  
Ion Ratio Lower Upper  
152 100  
115 84.8 44.0 132.0  
150 138.1 0.0 351.8





#73

Isopropylbenzene

Concen: 63.849 ug/l

RT: 10.970 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VX032472.D

Acq: 28 Oct 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

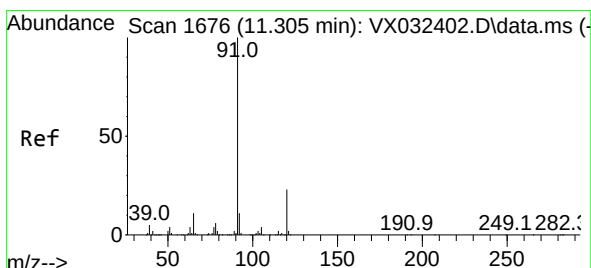
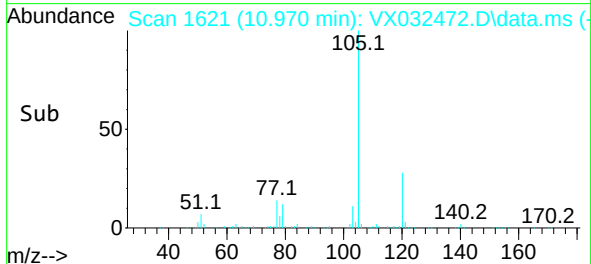
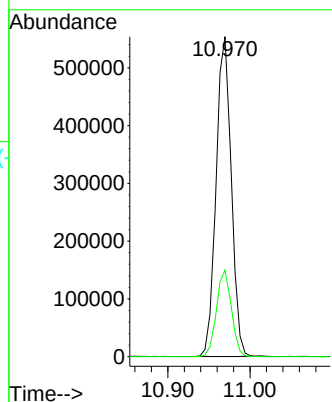
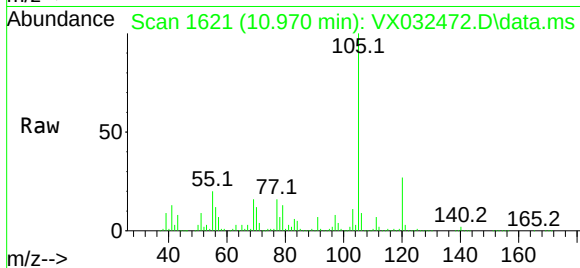
LSP-SS-07-00-20

Tgt Ion:105 Resp: 710754

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3



#78

n-propylbenzene

Concen: 78.108 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX032472.D

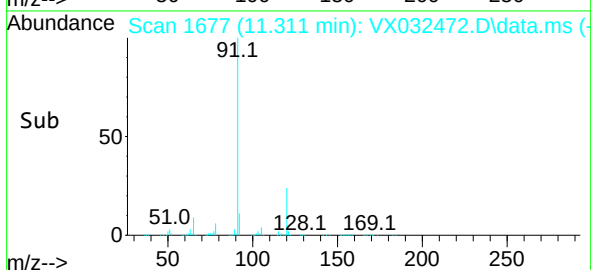
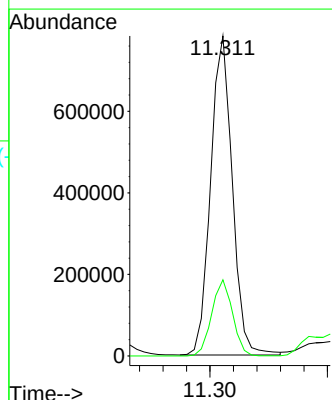
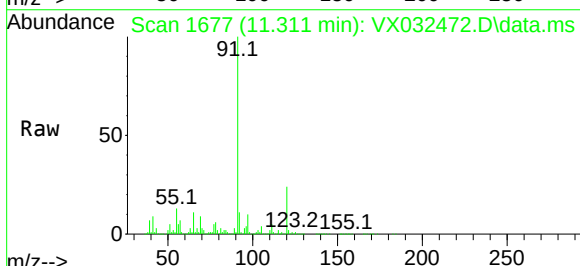
Acq: 28 Oct 2022 20:05

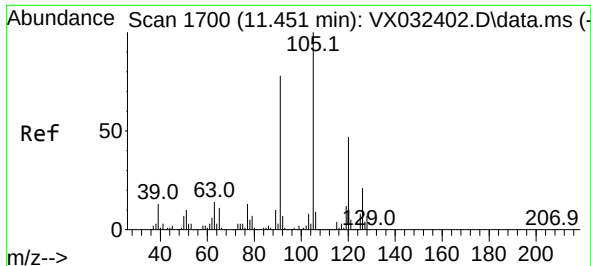
Tgt Ion: 91 Resp: 1001751

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.8

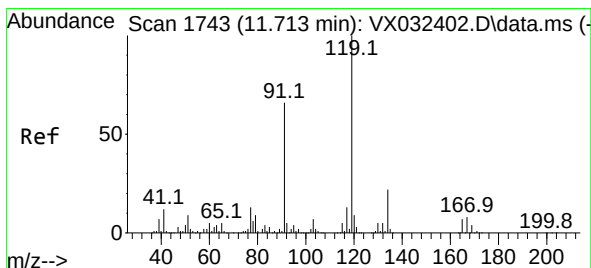
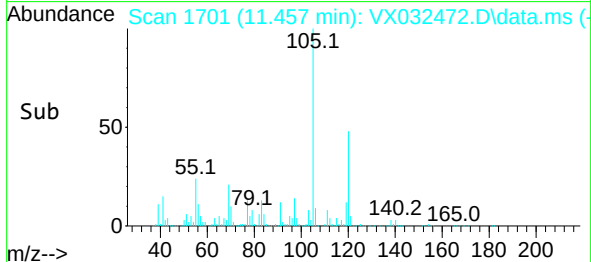
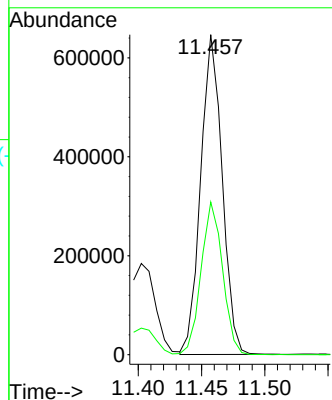
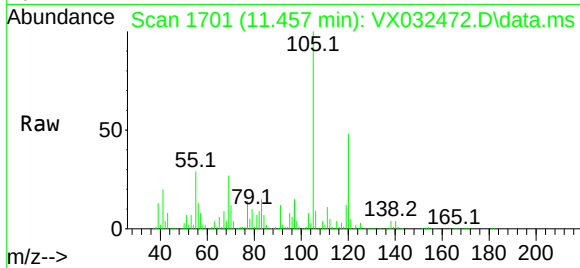




#80  
1,3,5-Trimethylbenzene  
Concen: 80.444 ug/l  
RT: 11.457 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

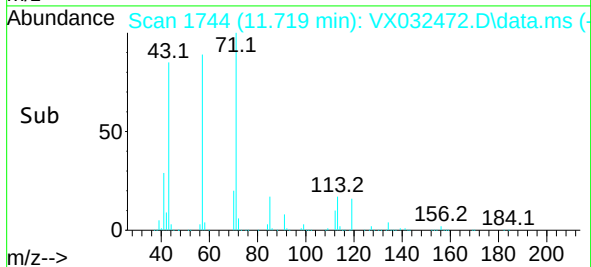
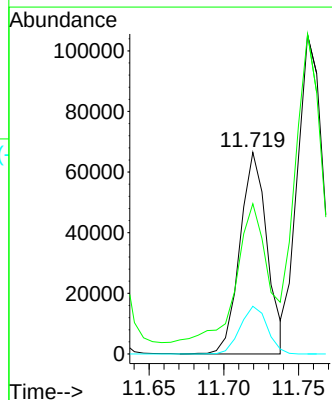
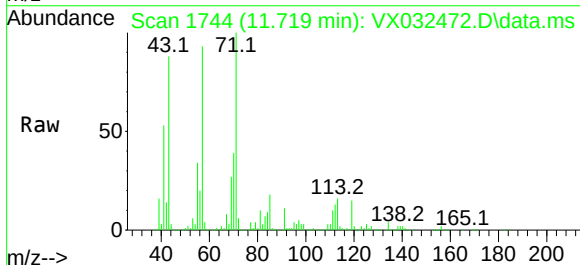
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20

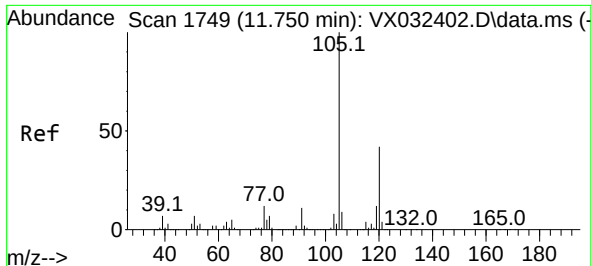
Tgt Ion:105 Resp: 765337  
Ion Ratio Lower Upper  
105 100  
120 47.8 23.6 71.0



#83  
tert-Butylbenzene  
Concen: 8.835 ug/l  
RT: 11.719 min Scan# 1744  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion:119 Resp: 83914  
Ion Ratio Lower Upper  
119 100  
91 79.3 29.4 88.2  
134 23.6 11.0 33.0

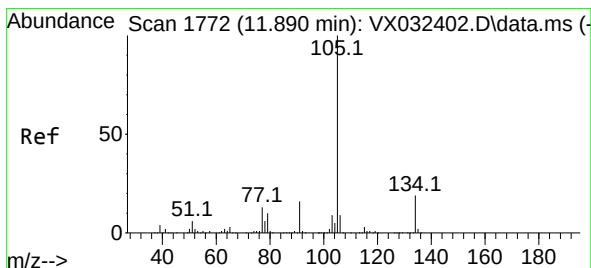
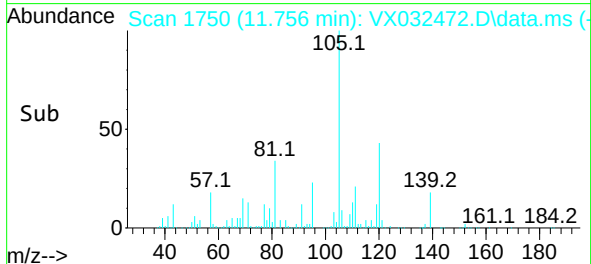
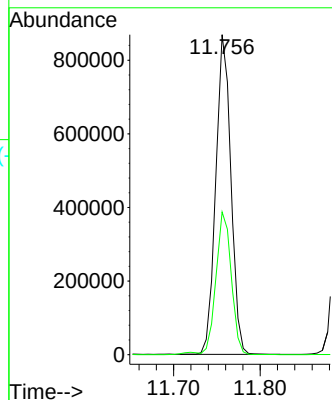
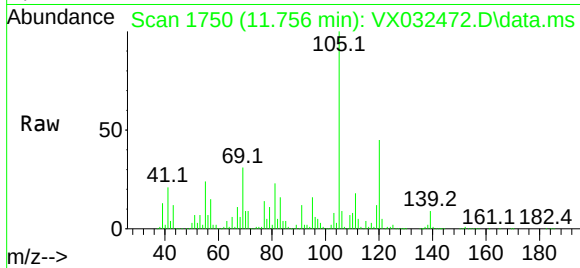




#84  
1,2,4-Trimethylbenzene  
Concen: 111.425 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

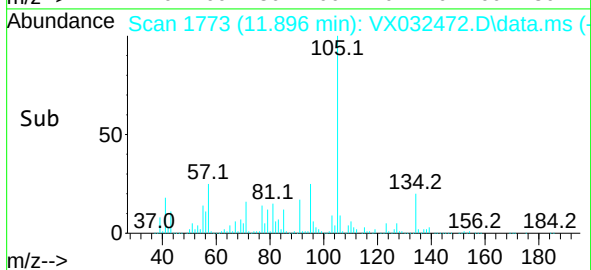
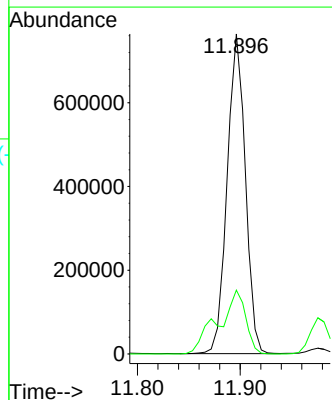
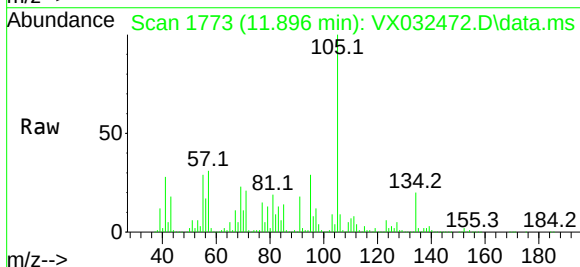
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20

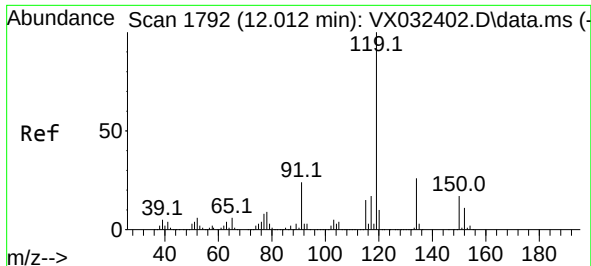
Tgt Ion:105 Resp: 1054356  
Ion Ratio Lower Upper  
105 100  
120 45.6 21.9 65.5



#85  
sec-Butylbenzene  
Concen: 82.036 ug/l  
RT: 11.896 min Scan# 1773  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Tgt Ion:105 Resp: 937595  
Ion Ratio Lower Upper  
105 100  
134 30.4 9.9 29.7#

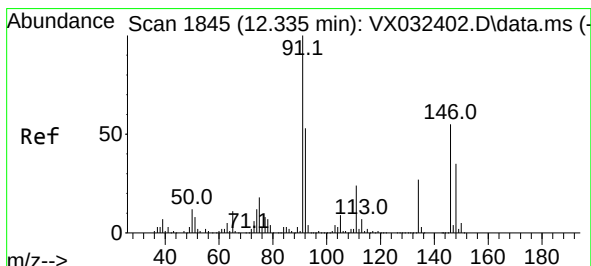
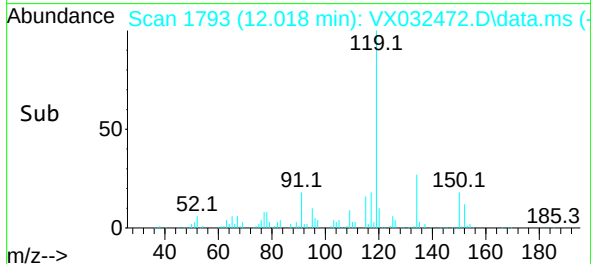
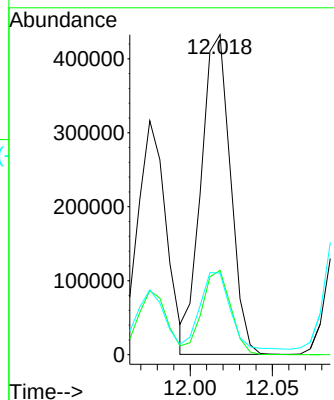
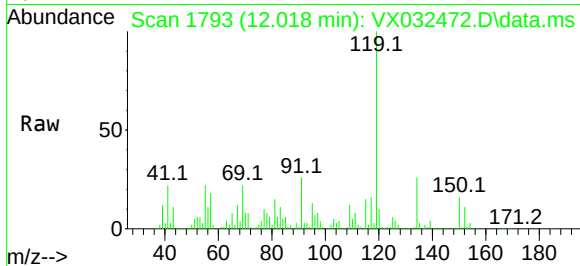




#86  
p-Isopropyltoluene  
Concen: 55.333 ug/l  
RT: 12.018 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

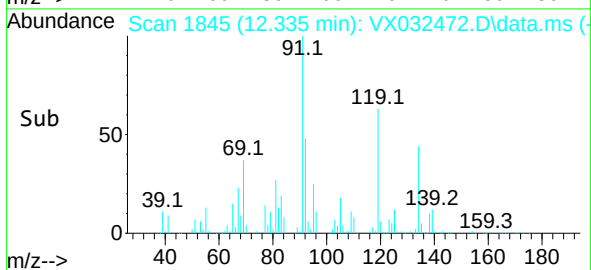
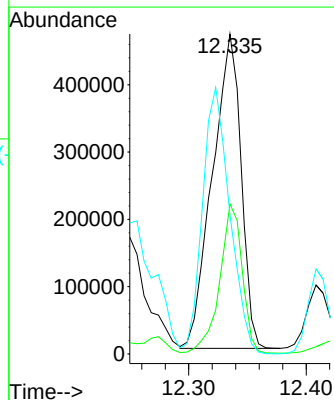
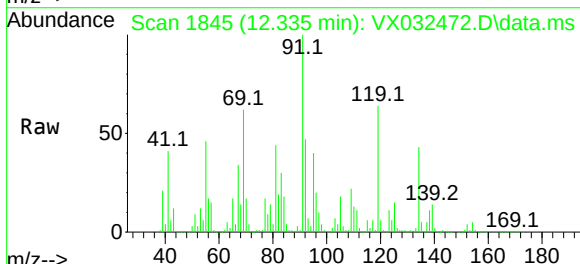
Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20

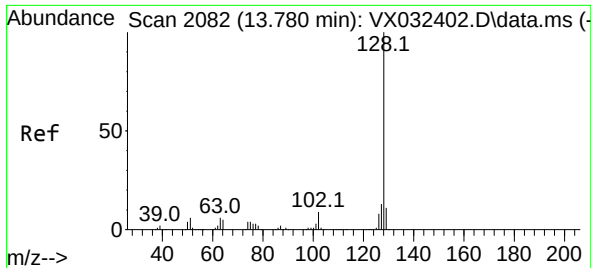
Tgt Ion:119 Resp: 536613  
Ion Ratio Lower Upper  
119 100  
134 26.0 12.9 38.7  
91 24.4 12.5 37.5



#89  
n-Butylbenzene  
Concen: 93.786 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

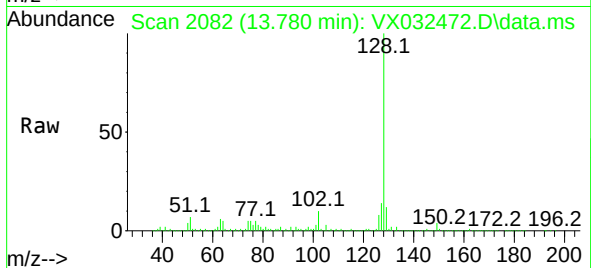
Tgt Ion: 91 Resp: 791272  
Ion Ratio Lower Upper  
91 100  
92 37.3 26.2 78.6  
134 80.7 12.9 38.6#





#95  
Naphthalene  
Concen: 294.460 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX032472.D  
Acq: 28 Oct 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
LSP-SS-07-00-20



Tgt Ion:128 Resp: 3247388  
Ion Ratio Lower Upper  
128 100  
127 14.1 10.2 15.4  
129 14.0 8.9 13.3#

