

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101722\  
 Data File : VD074547.D  
 Acq On : 17 Oct 2022 16:23  
 Operator : VA/SY  
 Sample : N5096-01  
 Misc : 1.06G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-217

Quant Time: Oct 17 16:36:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

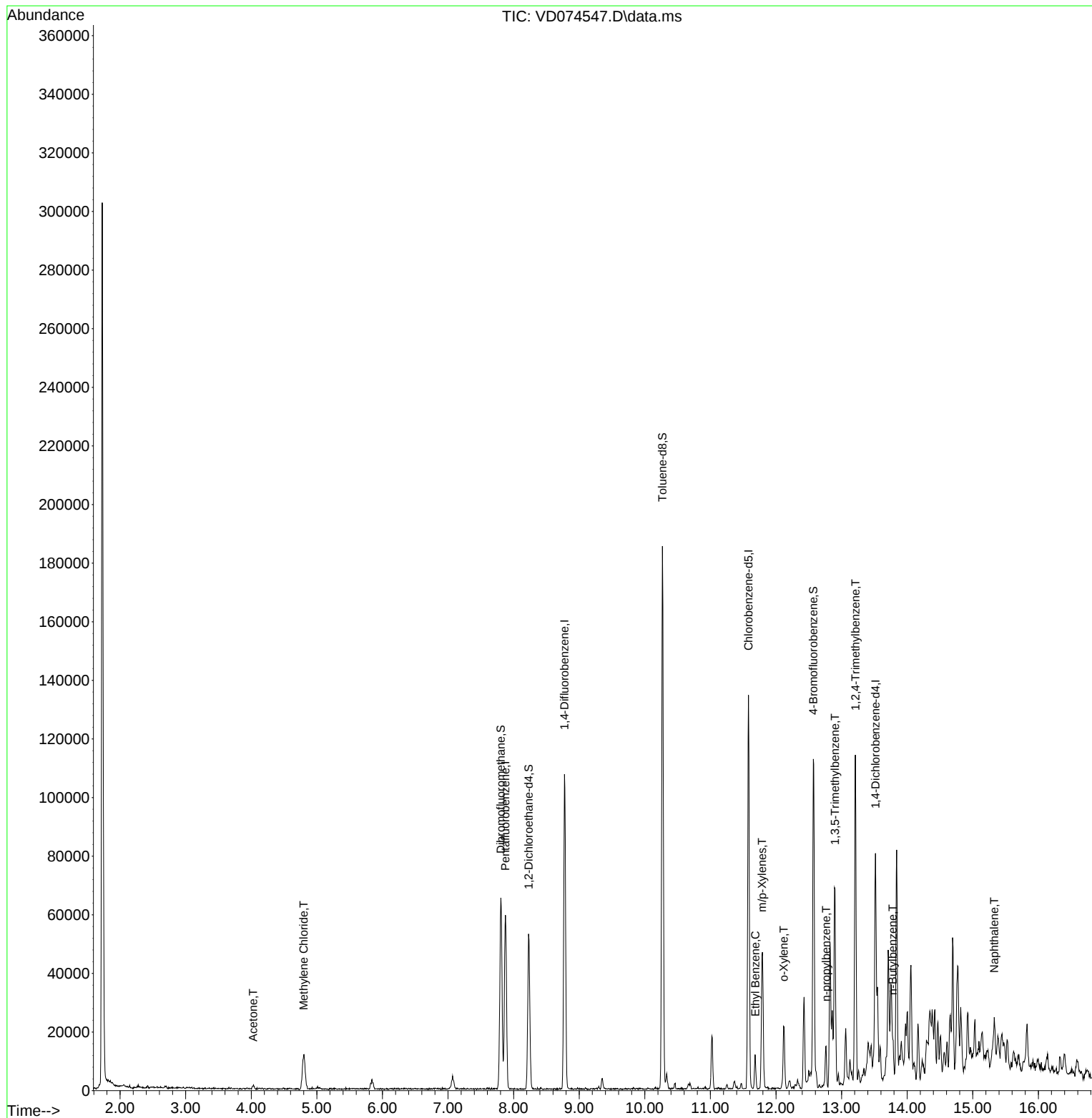
| Compound                    | R.T.           | QIon | Response             | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|--------|--------|----------|
| -----                       |                |      |                      |        |        |          |
| Internal Standards          |                |      |                      |        |        |          |
| 1) Pentafluorobenzene       | 7.875          | 168  | 49219                | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775          | 114  | 103739               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.581         | 117  | 83539                | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516         | 152  | 19156                | 50.000 | ug/l   | 0.00     |
|                             |                |      |                      |        |        |          |
| System Monitoring Compounds |                |      |                      |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228          | 65   | 40275                | 95.066 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 190.140%# |        |        |          |
| 35) Dibromofluoromethane    | 7.805          | 113  | 47274                | 77.147 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 154.300%# |        |        |          |
| 50) Toluene-d8              | 10.269         | 98   | 133647               | 56.059 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 112.120%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.569         | 95   | 28897                | 38.337 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 76.680%   |        |        |          |
|                             |                |      |                      |        |        |          |
| Target Compounds            |                |      |                      |        | Qvalue |          |
| 16) Acetone                 | 4.028          | 43   | 1587                 | 17.366 | ug/l   | 89       |
| 20) Methylene Chloride      | 4.799          | 84   | 10101                | 7.694  | ug/l # | 83       |
| 67) Ethyl Benzene           | 11.687         | 91   | 8687                 | 2.733  | ug/l   | 100      |
| 68) m/p-Xylenes             | 11.787         | 106  | 13969                | 11.022 | ug/l   | 98       |
| 69) o-Xylene                | 12.116         | 106  | 6032                 | 5.115  | ug/l   | 94       |
| 78) n-propylbenzene         | 12.763         | 91   | 12822                | 6.877  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.898         | 105  | 14896                | 11.893 | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.210         | 105  | 63582                | 51.247 | ug/l   | 98       |
| 89) n-Butylbenzene          | 13.781         | 91   | 9477                 | 7.312  | ug/l # | 74       |
| 95) Naphthalene             | 15.328         | 128  | 14382                | 18.955 | ug/l   | 98       |
| -----                       |                |      |                      |        |        |          |

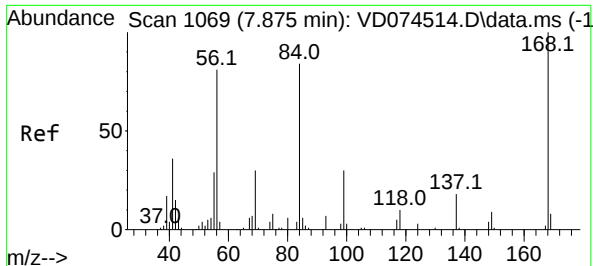
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N5096-01  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

Quant Time: Oct 17 16:36:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

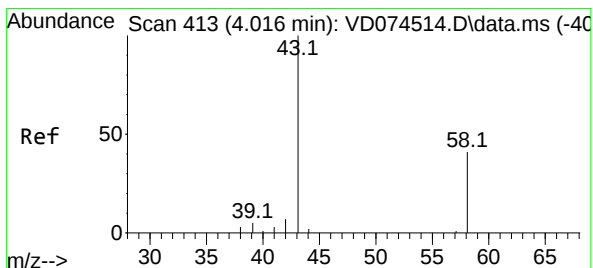
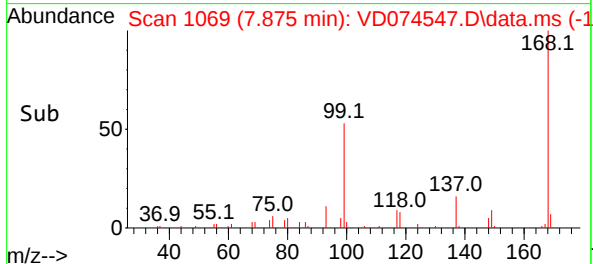
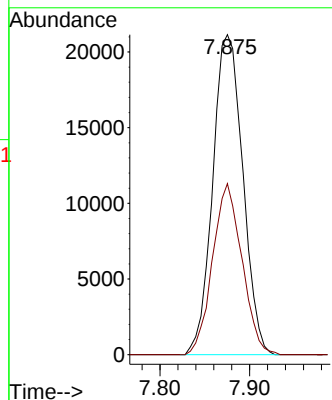
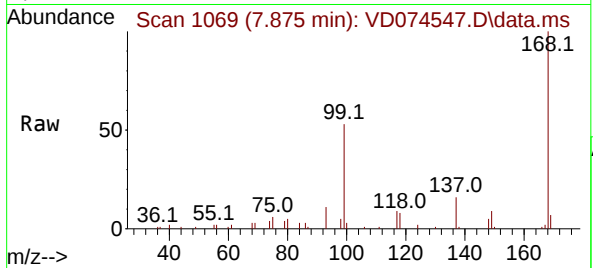




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

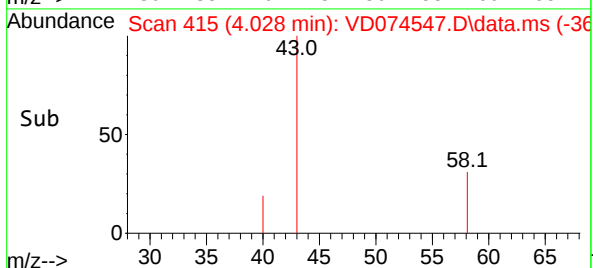
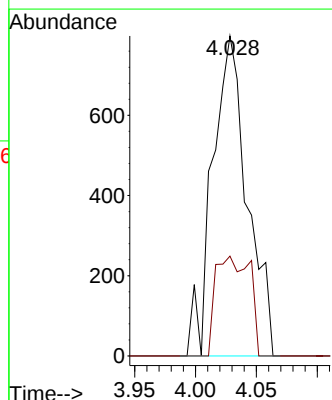
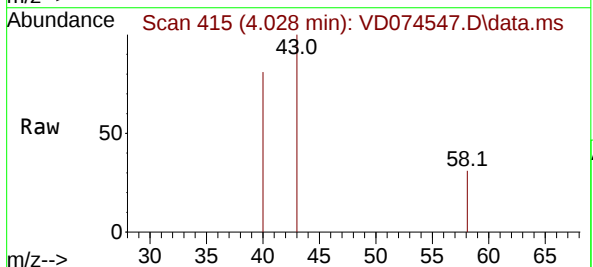
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

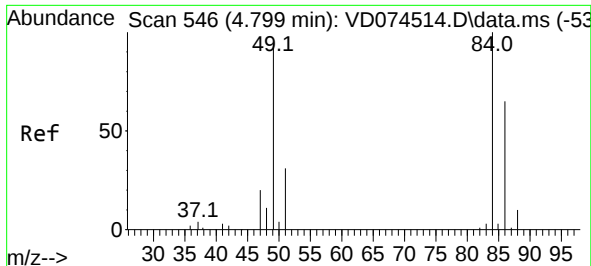
Tgt Ion:168 Resp: 49219  
Ion Ratio Lower Upper  
168 100  
99 53.5 40.9 61.3



#16  
Acetone  
Concen: 17.366 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion: 43 Resp: 1587  
Ion Ratio Lower Upper  
43 100  
58 31.2 30.2 45.2





#20

Methylene Chloride

Concen: 7.694 ug/l

RT: 4.799 min Scan# 54

Delta R.T. -0.000 min

Lab File: VD074547.D

Acq: 17 Oct 2022 16:23

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-217

Tgt Ion: 84 Resp: 10101

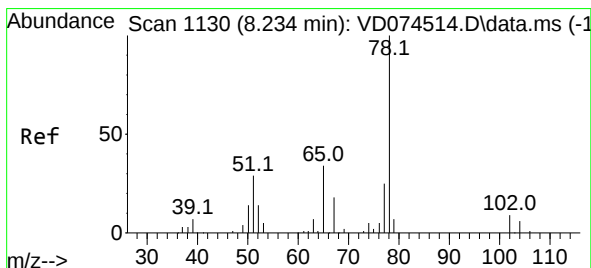
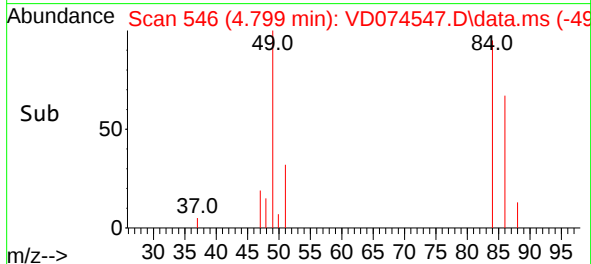
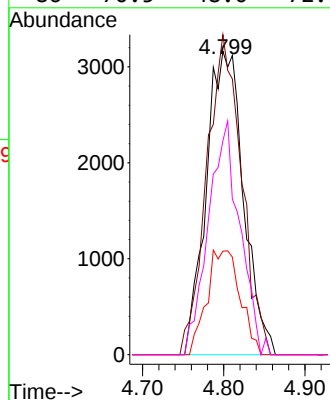
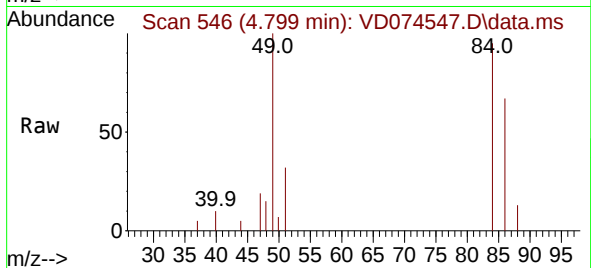
Ion Ratio Lower Upper

84 100

49 105.4 68.0 102.0#

51 34.1 23.2 34.8

86 70.5 48.0 72.0



#33

1,2-Dichloroethane-d4

Concen: 95.066 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074547.D

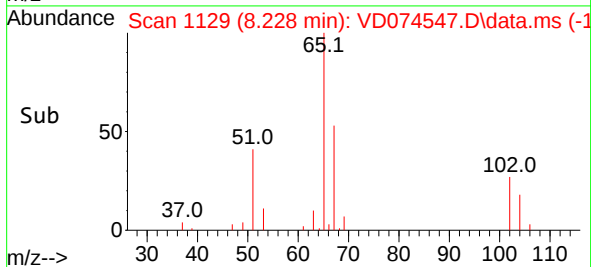
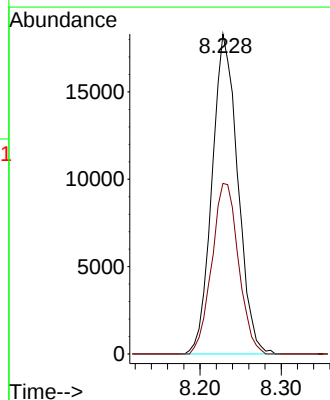
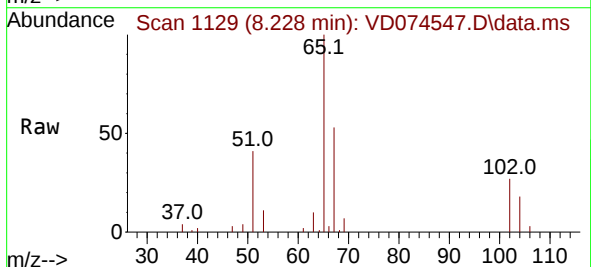
Acq: 17 Oct 2022 16:23

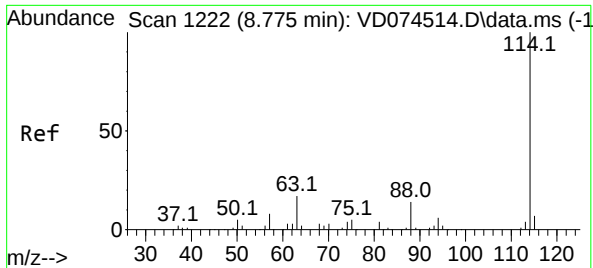
Tgt Ion: 65 Resp: 40275

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074547.D

Acq: 17 Oct 2022 16:23

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-217

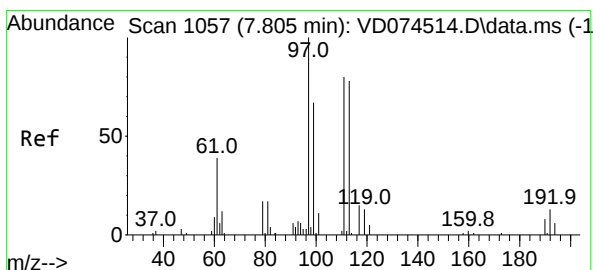
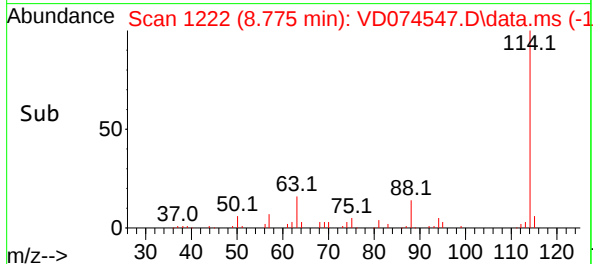
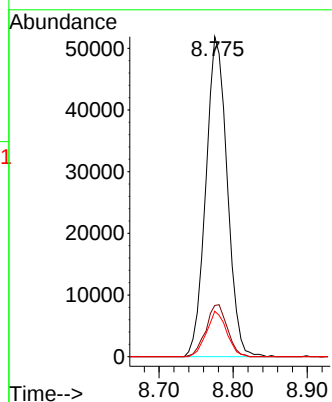
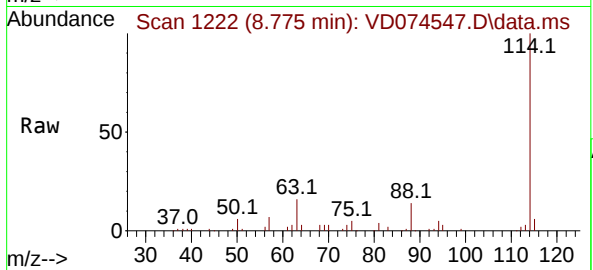
Tgt Ion:114 Resp: 103739

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 14.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 77.147 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074547.D

Acq: 17 Oct 2022 16:23

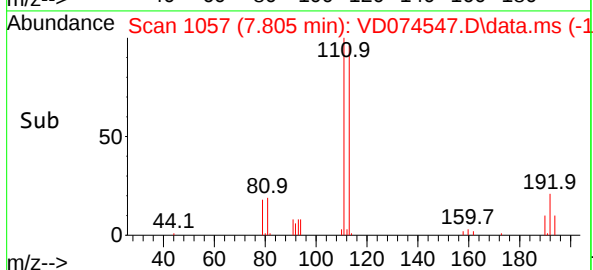
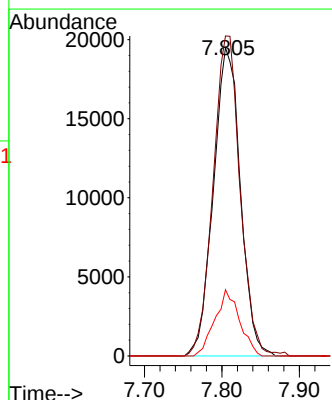
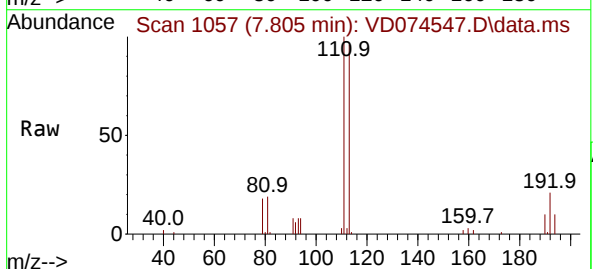
Tgt Ion:113 Resp: 47274

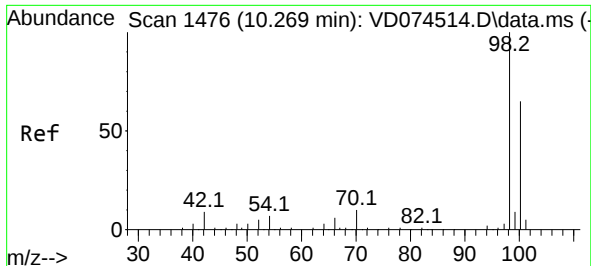
Ion Ratio Lower Upper

113 100

111 103.8 82.3 123.5

192 19.6 16.4 24.6

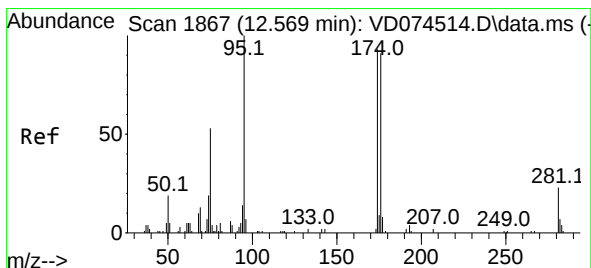
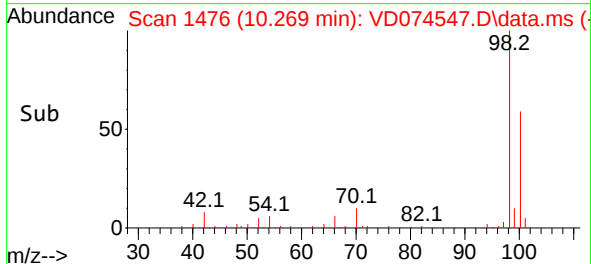
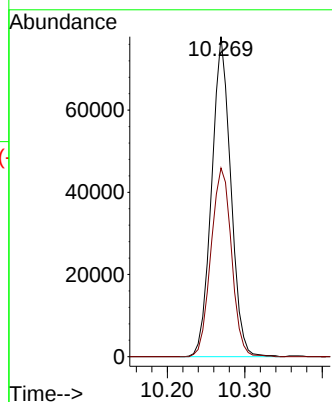
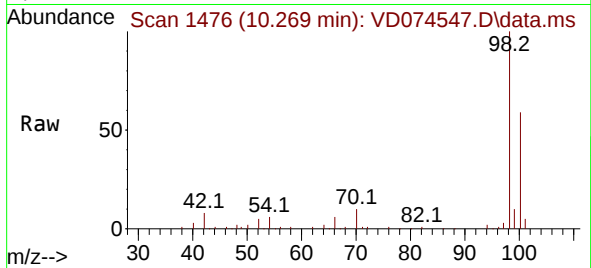




#50  
Toluene-d8  
Concen: 56.059 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

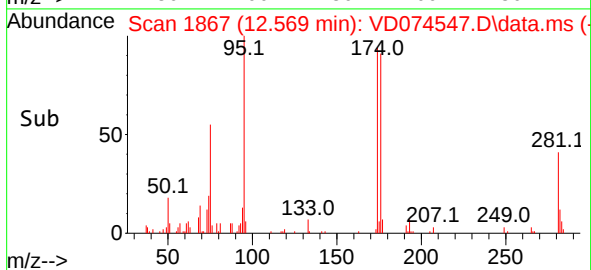
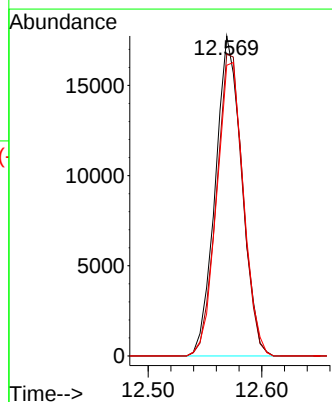
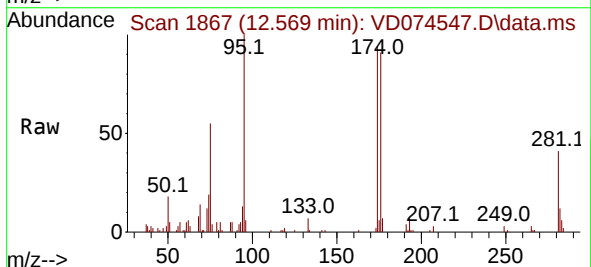
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

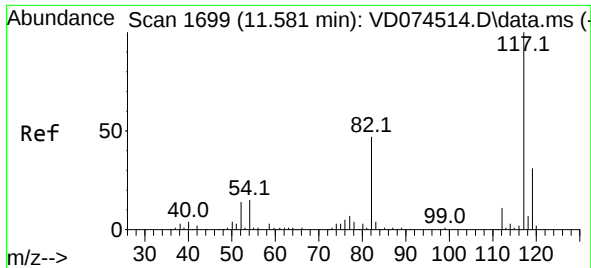
Tgt Ion: 98 Resp: 133647  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 38.337 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion: 95 Resp: 28897  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 197.0  
176 92.6 0.0 182.6

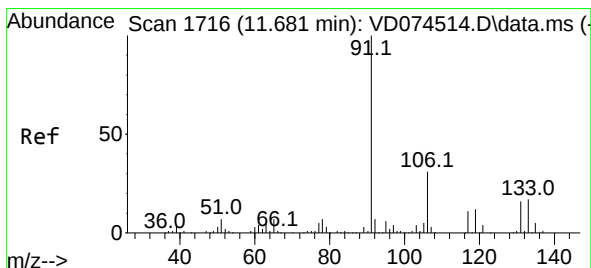
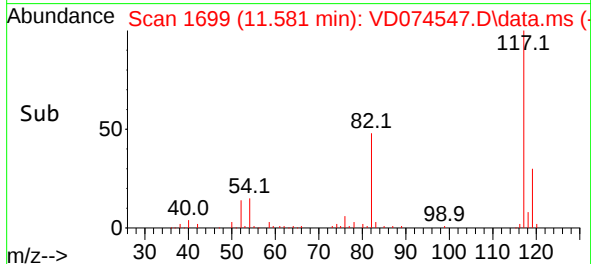
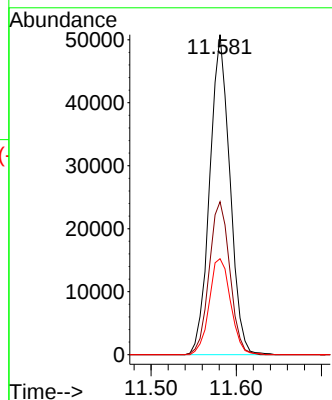
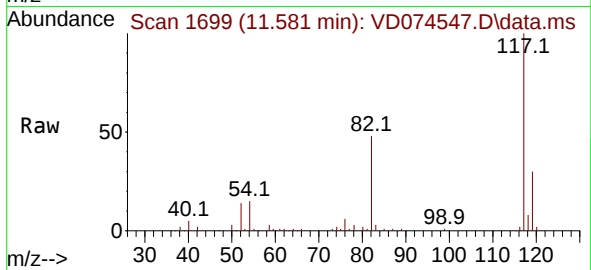




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

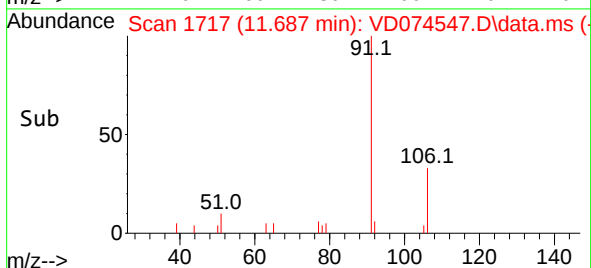
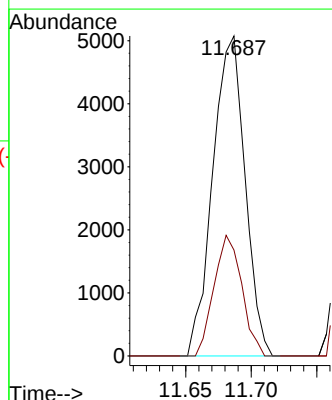
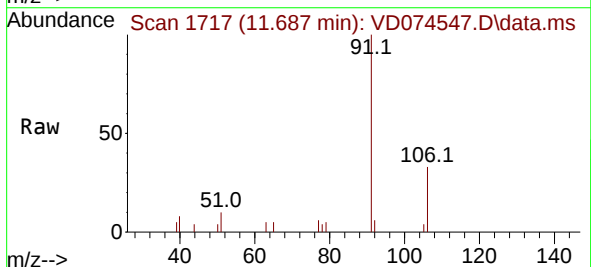
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MSVOA\_D  
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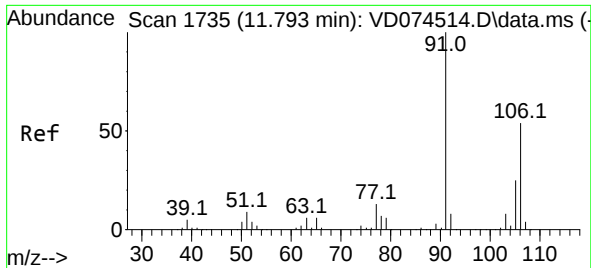
Tgt Ion:117 Resp: 83539  
Ion Ratio Lower Upper  
117 100  
82 47.8 41.6 62.4  
119 30.0 25.2 37.8



#67  
Ethyl Benzene  
Concen: 2.733 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion: 91 Resp: 8687  
Ion Ratio Lower Upper  
91 100  
106 33.1 26.6 40.0

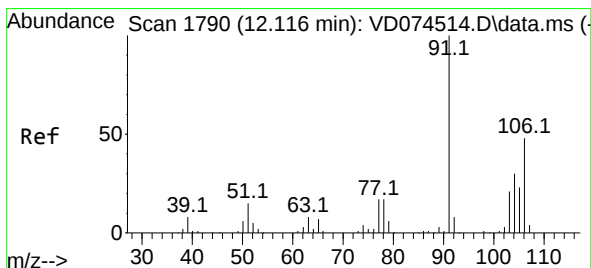
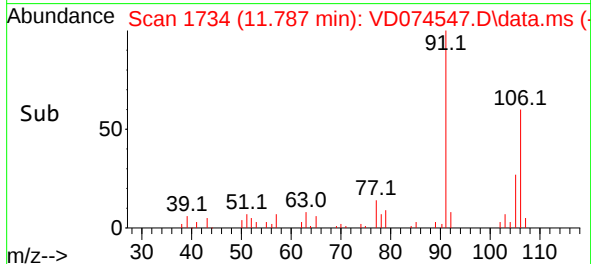
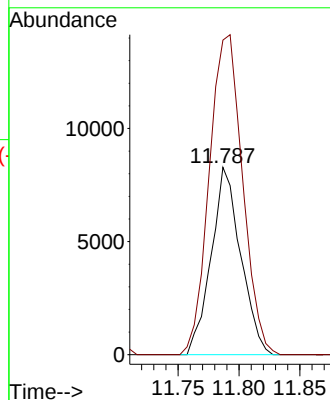
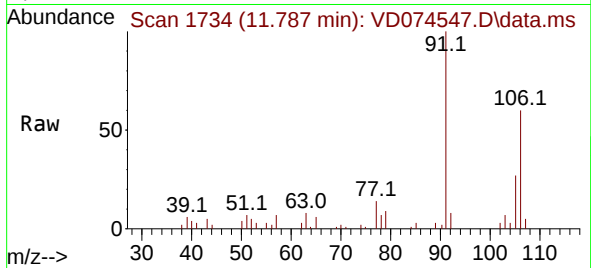




#68  
m/p-Xylenes  
Concen: 11.022 ug/l  
RT: 11.787 min Scan# 1734  
Delta R.T. -0.006 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

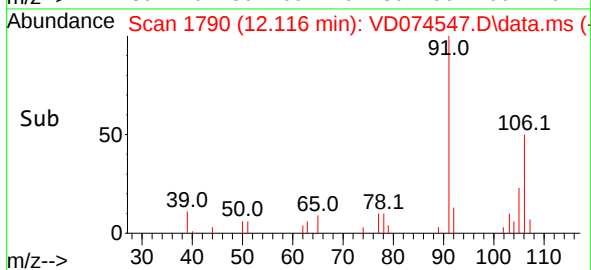
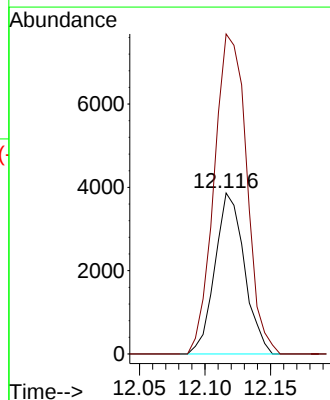
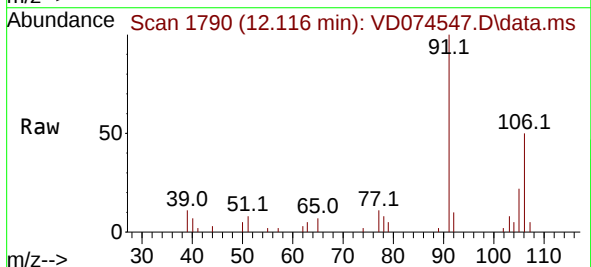
Instrument :  
MSVOA\_D  
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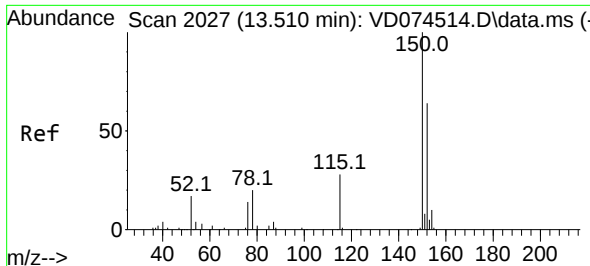
Tgt Ion:106 Resp: 13969  
Ion Ratio Lower Upper  
106 100  
91 192.5 156.2 234.4



#69  
o-Xylene  
Concen: 5.115 ug/l  
RT: 12.116 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion:106 Resp: 6032  
Ion Ratio Lower Upper  
106 100  
91 218.9 104.5 313.3

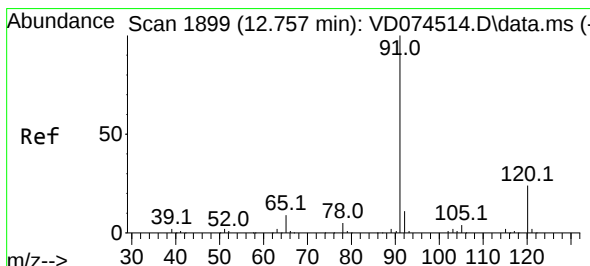
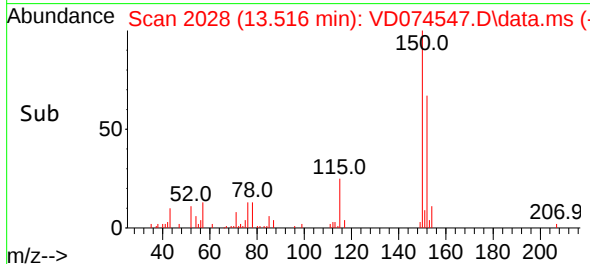
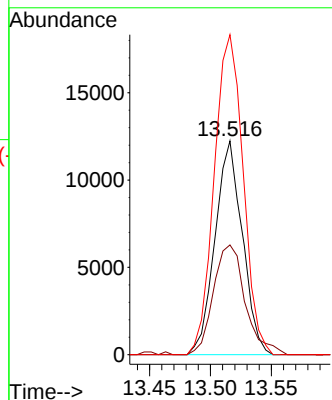
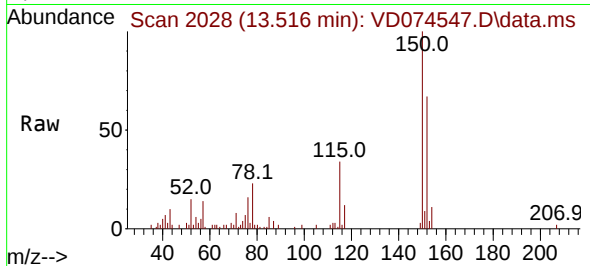




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

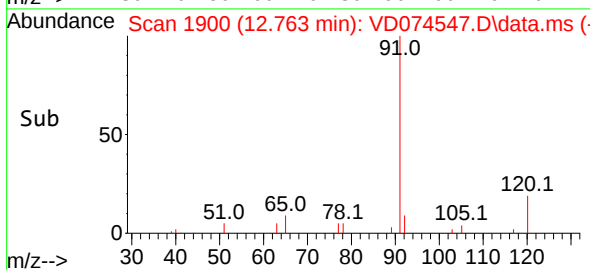
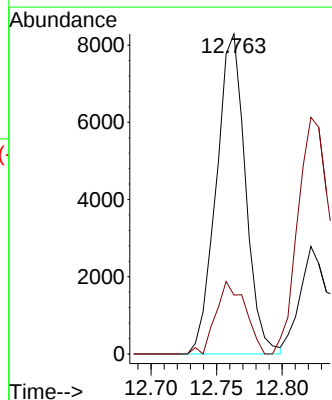
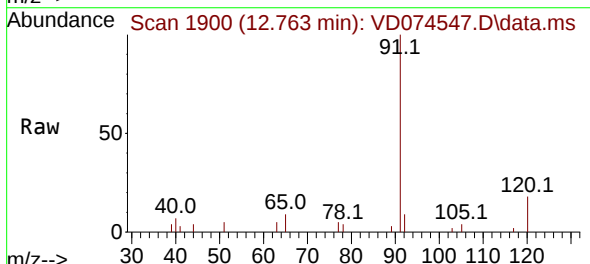
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

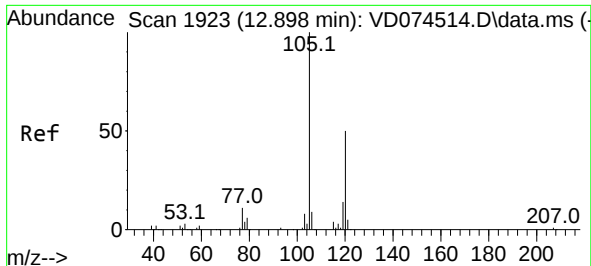
Tgt Ion:152 Resp: 19156  
Ion Ratio Lower Upper  
152 100  
115 59.7 26.8 80.4  
150 158.0 0.0 348.2



#78  
n-propylbenzene  
Concen: 6.877 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion: 91 Resp: 12822  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.9 35.7

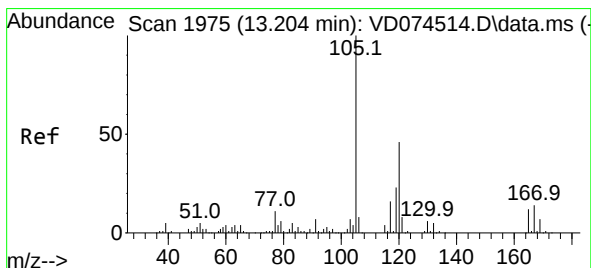
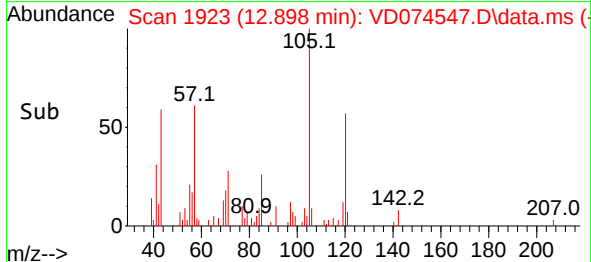
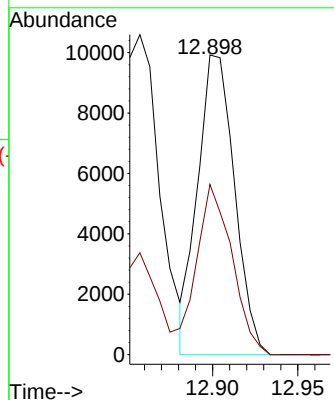
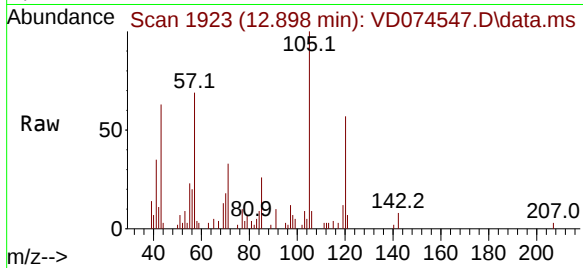




#80  
 1,3,5-Trimethylbenzene  
 Concen: 11.893 ug/l  
 RT: 12.898 min Scan# 1923  
 Delta R.T. 0.000 min  
 Lab File: VD074547.D  
 Acq: 17 Oct 2022 16:23

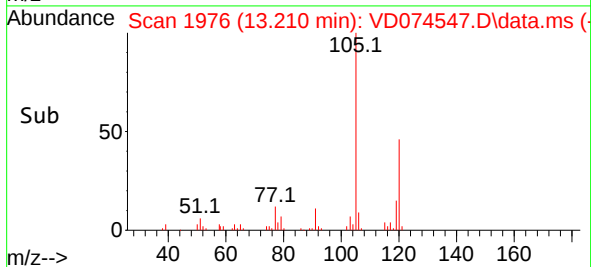
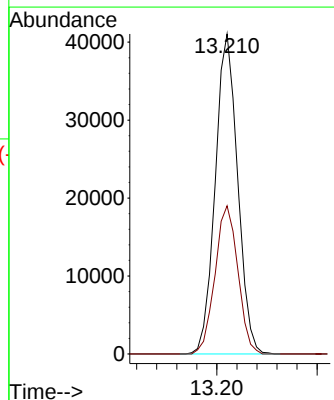
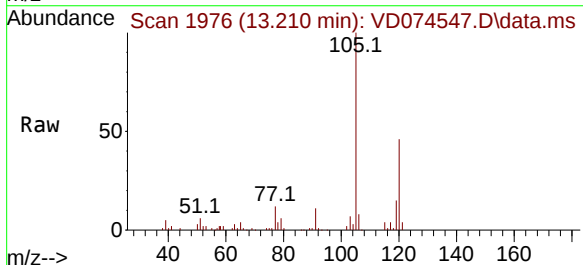
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-217

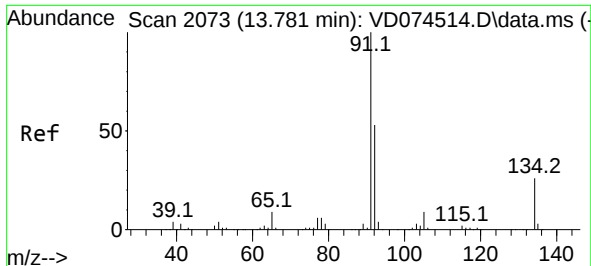
Tgt Ion:105 Resp: 14896  
 Ion Ratio Lower Upper  
 105 100  
 120 55.5 25.7 77.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.247 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. 0.006 min  
 Lab File: VD074547.D  
 Acq: 17 Oct 2022 16:23

Tgt Ion:105 Resp: 63582  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 22.9 68.7

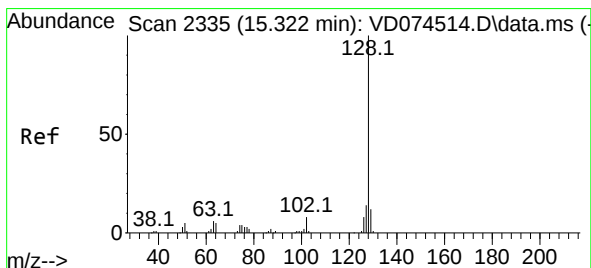
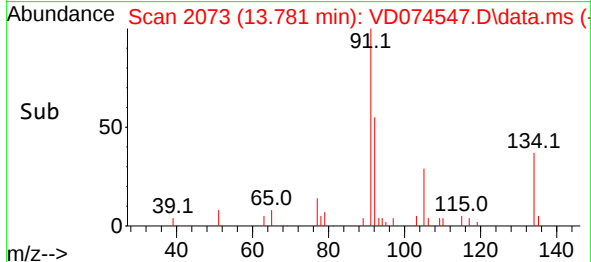
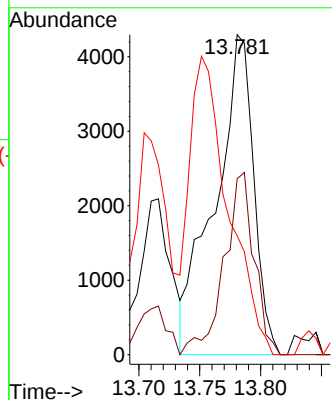
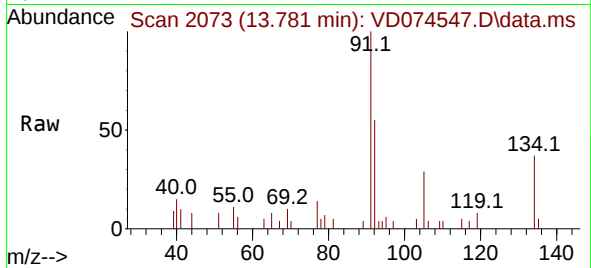




#89  
n-Butylbenzene  
Concen: 7.312 ug/l  
RT: 13.781 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-217

Tgt Ion: 91 Resp: 9477  
Ion Ratio Lower Upper  
91 100  
92 44.1 26.9 80.7  
134 0.0 13.4 40.2#



#95  
Naphthalene  
Concen: 18.955 ug/l  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VD074547.D  
Acq: 17 Oct 2022 16:23

Tgt Ion:128 Resp: 14382  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.6 16.0  
129 11.8 8.3 12.5

