

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101321\  
 Data File : VX024800.D  
 Acq On : 13 Oct 2021 21:56  
 Operator : JC/MD  
 Sample : M4190-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 P287-DITCH

Quant Time: Oct 14 03:58:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 14 03:51:38 2021  
 Response via : Initial Calibration

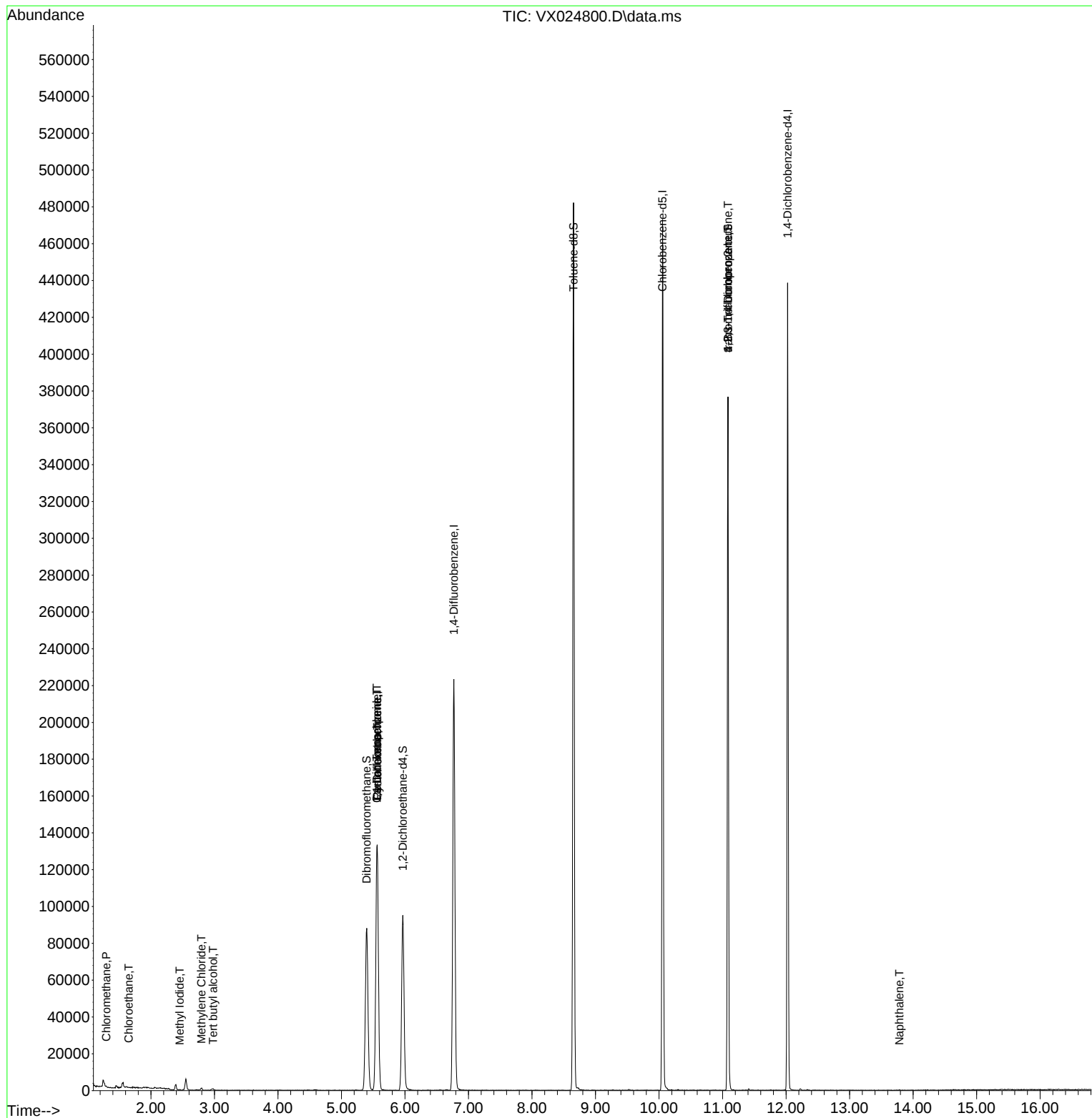
| Compound                      | R.T.           | QIon | Response             | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|-----------|--------|----------|
| -----                         |                |      |                      |           |        |          |
| Internal Standards            |                |      |                      |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 125471               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 220195               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 214985               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 88147                | 50.000    | ug/l   | 0.00     |
|                               |                |      |                      |           |        |          |
| System Monitoring Compounds   |                |      |                      |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 96495                | 62.572    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 125.140%# |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 76403                | 58.285    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 116.560%  |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 273619               | 56.429    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 112.860%# |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 98051                | 51.414    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 102.820%  |           |        |          |
|                               |                |      |                      |           |        |          |
| Target Compounds              |                |      |                      |           | Qvalue |          |
| 3) Chloromethane              | 1.294          | 50   | 271                  | 0.233     | ug/l   | 97       |
| 5) Bromomethane               | 1.618          | 94   | 348                  | Below Cal |        | 90       |
| 6) Chloroethane               | 1.648          | 64   | 216                  | 0.291     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.453          | 142  | 215                  | 1.054     | ug/l # | 70       |
| 11) Tert butyl alcohol        | 2.977          | 59   | 957                  | 2.944     | ug/l # | 87       |
| 16) Acetone                   | 2.392          | 43   | 3061                 | Below Cal |        | 99       |
| 20) Methylene Chloride        | 2.794          | 84   | 558                  | 0.427     | ug/l # | 83       |
| 31) Cyclohexane               | 5.562          | 56   | 2668                 | 1.299     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 9510                 | 4.880     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 13403                | 6.139     | ug/l # | 17       |
| 59) 2-Hexanone                | 9.525          | 43   | 110                  | Below Cal | #      | 25       |
| 70) Styrene                   | 10.665         | 104  | 50                   | Below Cal | #      | 25       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 51752                | 28.141    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 51752                | 75.707    | ug/l # | 9        |
| 95) Naphthalene               | 13.786         | 128  | 159                  | 0.280     | ug/l # | 69       |
| -----                         |                |      |                      |           |        |          |

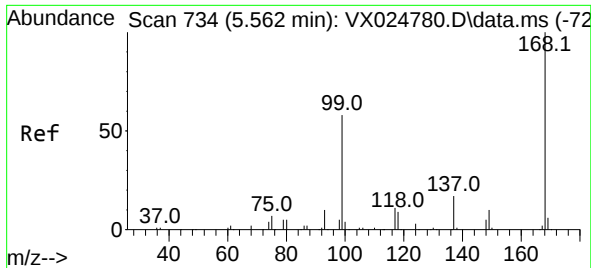
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101321\  
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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P287-DITCH

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 14 03:51:38 2021  
Response via : Initial Calibration

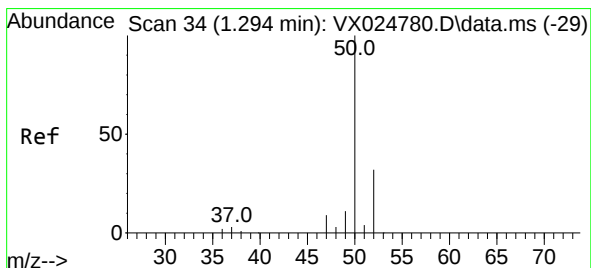
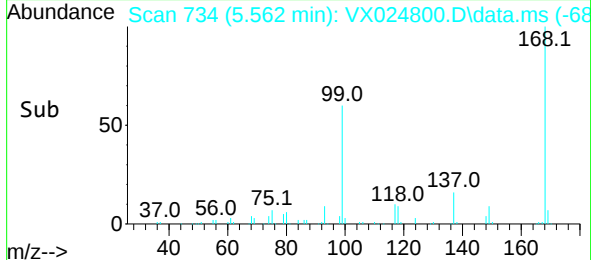
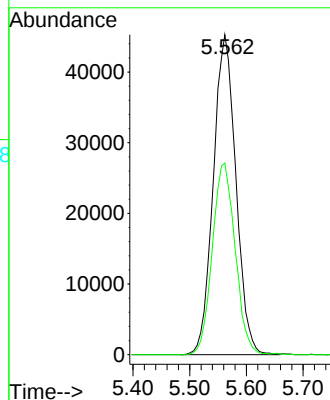
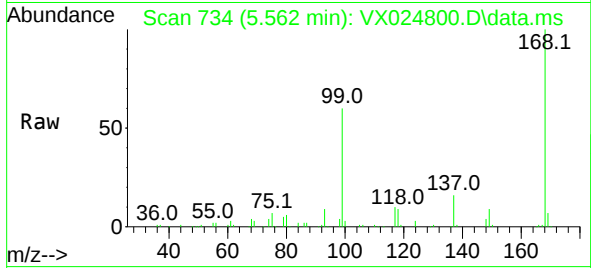




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

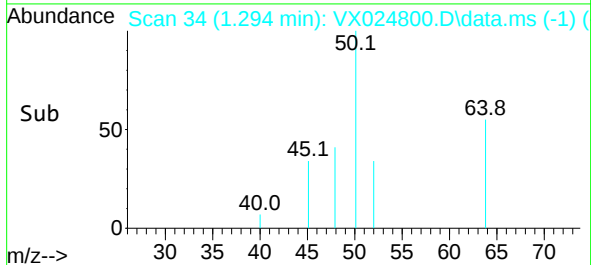
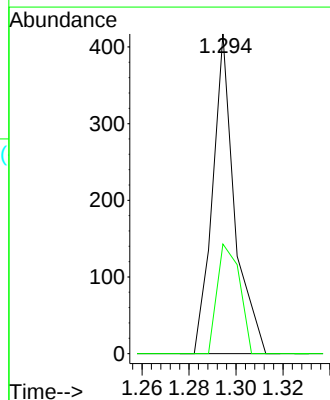
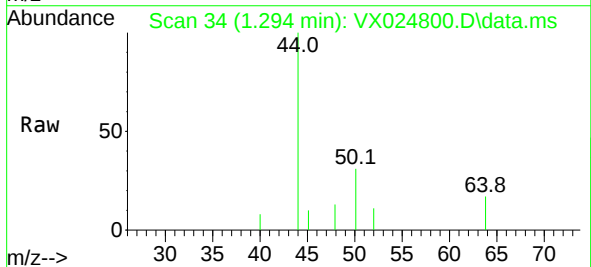
Instrument :  
MSVOA\_X  
ClientSampleId :  
P287-DITCH

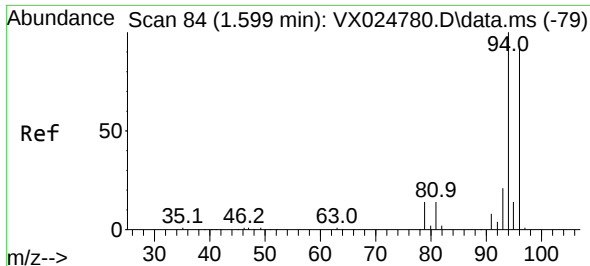
Tgt Ion:168 Resp: 125471  
Ion Ratio Lower Upper  
168 100  
99 59.9 46.4 69.6



#3  
Chloromethane  
Concen: 0.233 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 50 Resp: 271  
Ion Ratio Lower Upper  
50 100  
52 34.3 25.9 38.9

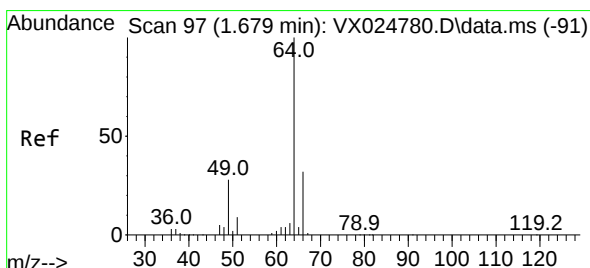
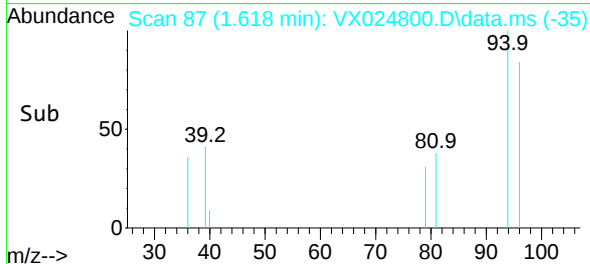
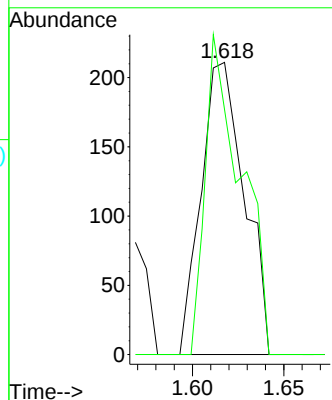
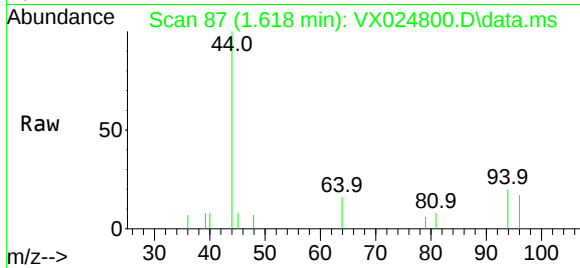




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

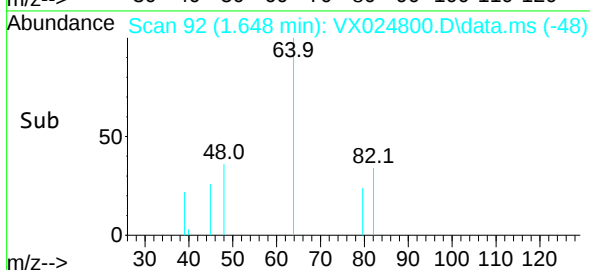
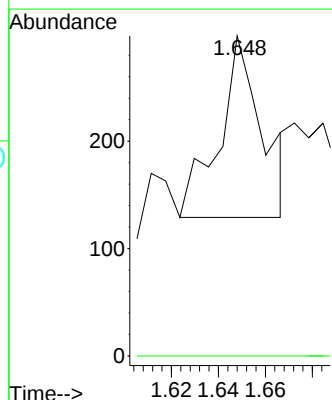
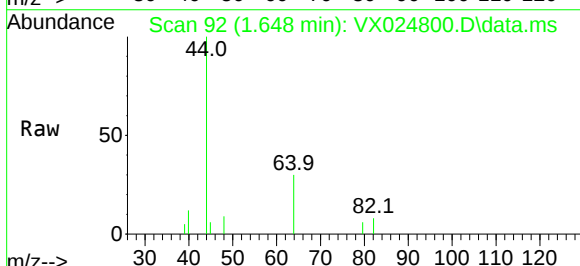
Instrument :  
MSVOA\_X  
ClientSampled :  
P287-DITCH

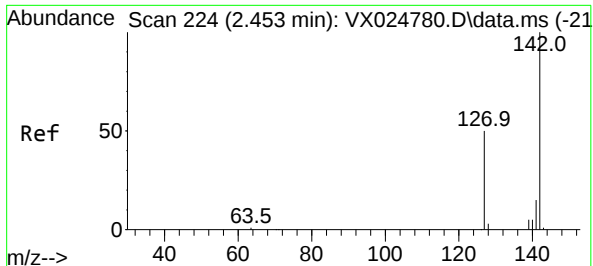
Tgt Ion: 94 Resp: 348  
Ion Ratio Lower Upper  
94 100  
96 83.9 74.8 112.2



#6  
Chloroethane  
Concen: 0.291 ug/l  
RT: 1.648 min Scan# 92  
Delta R.T. -0.031 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 64 Resp: 216  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.6 38.4#

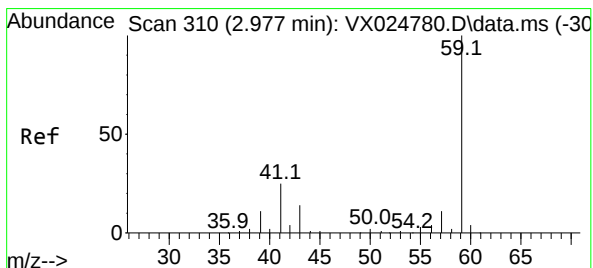
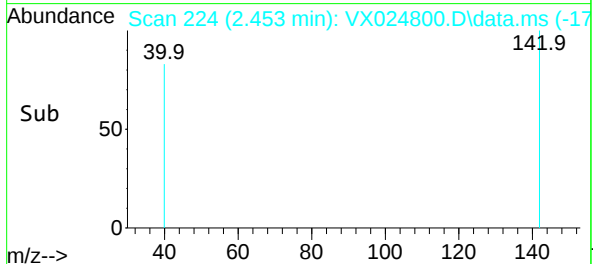
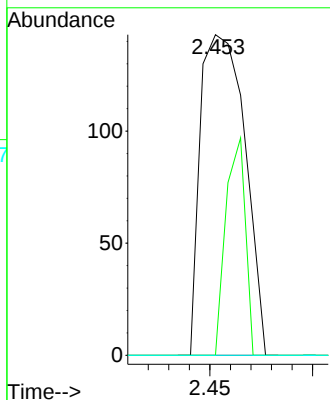
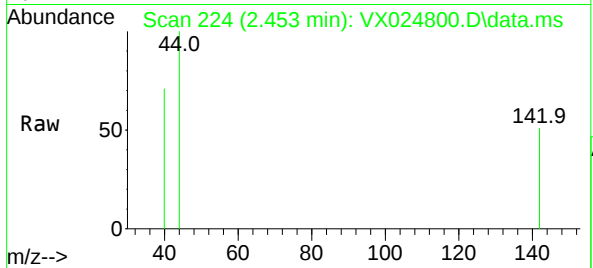




#10  
Methyl Iodide  
Concen: 1.054 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

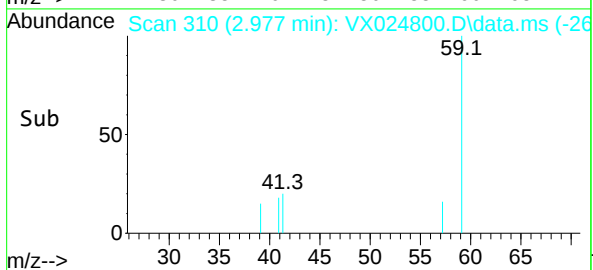
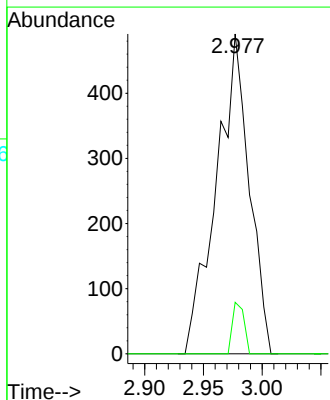
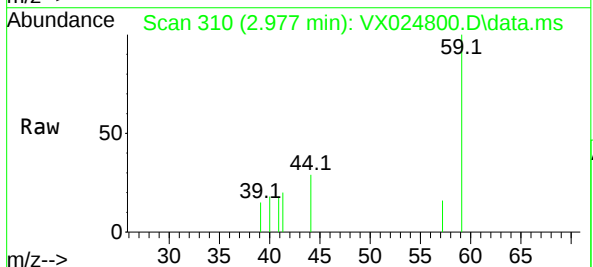
Instrument :  
MSVOA\_X  
ClientSampleId :  
P287-DITCH

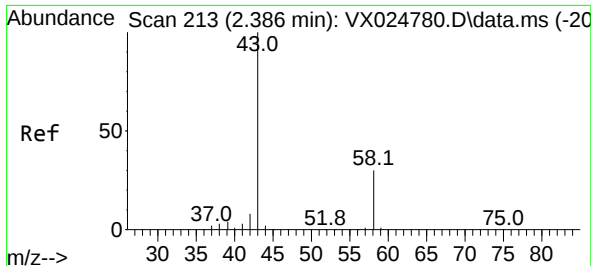
Tgt Ion:142 Resp: 215  
Ion Ratio Lower Upper  
142 100  
127 29.8 38.9 58.3#  
141 0.0 11.7 17.5#



#11  
Tert butyl alcohol  
Concen: 2.944 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 59 Resp: 957  
Ion Ratio Lower Upper  
59 100  
57 5.6 8.5 12.7#

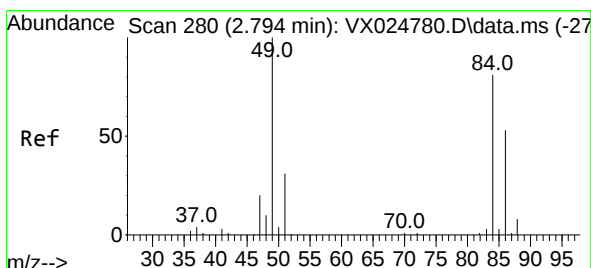
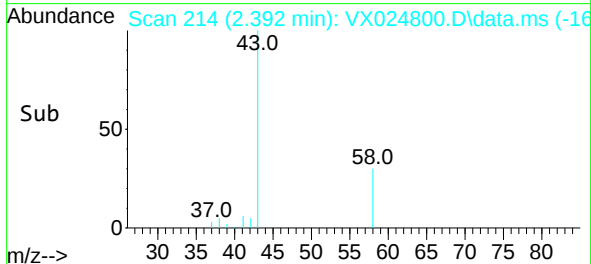
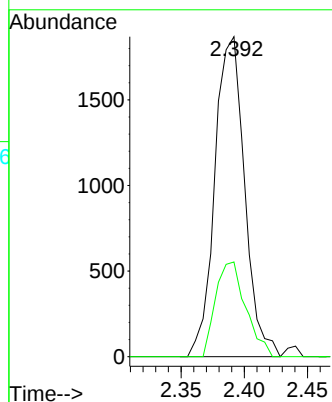
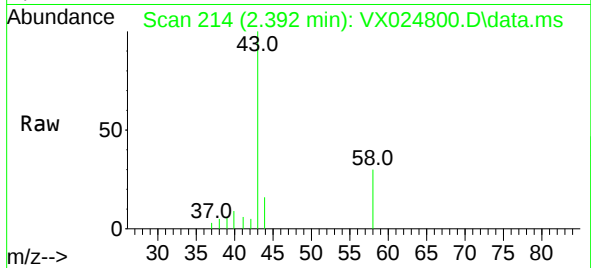




#16  
Acetone  
Concen: Below Cal  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

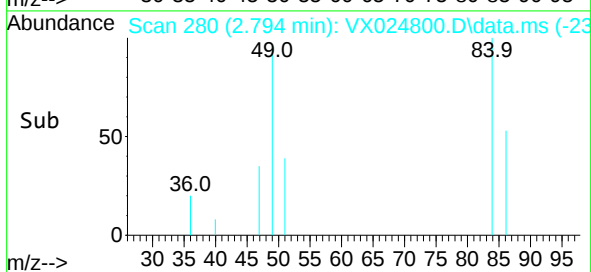
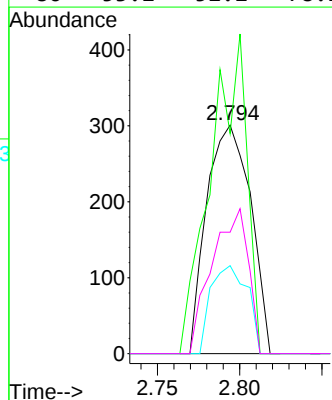
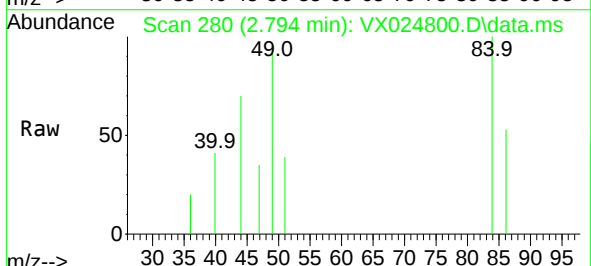
Instrument :  
MSVOA\_X  
ClientSampled :  
P287-DITCH

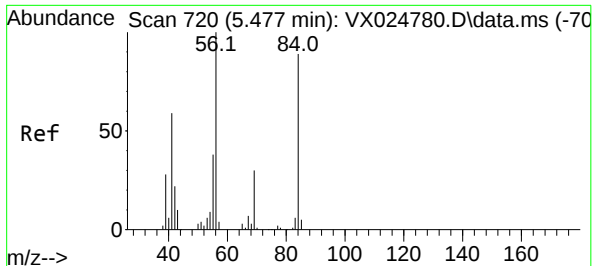
Tgt Ion: 43 Resp: 3061  
Ion Ratio Lower Upper  
43 100  
58 29.6 24.0 36.0



#20  
Methylene Chloride  
Concen: 0.427 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 84 Resp: 558  
Ion Ratio Lower Upper  
84 100  
49 96.3 98.2 147.2#  
51 38.5 30.2 45.4  
86 53.2 52.2 78.2

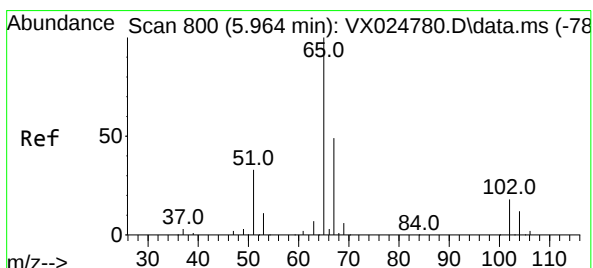
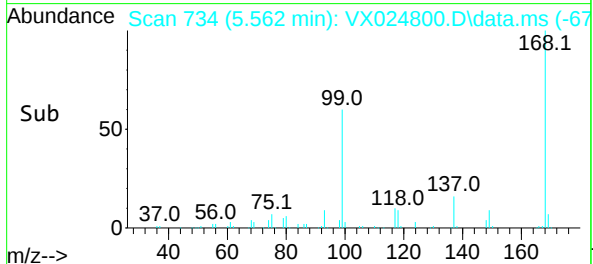
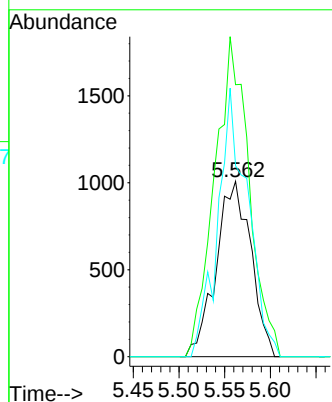
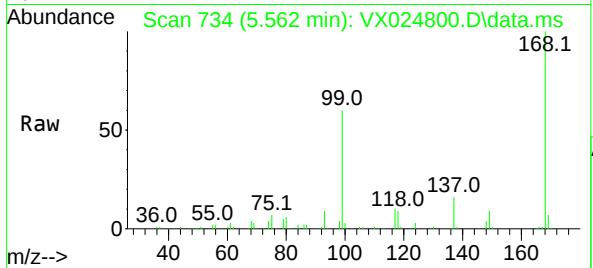




#31  
Cyclohexane  
Concen: 1.299 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

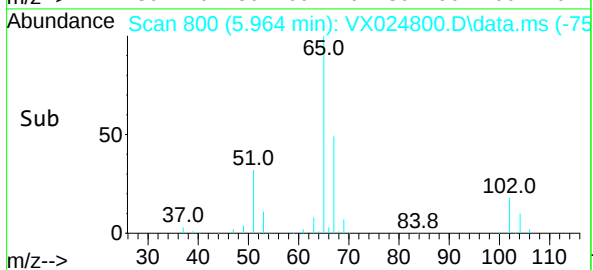
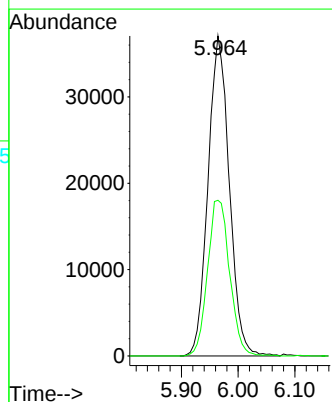
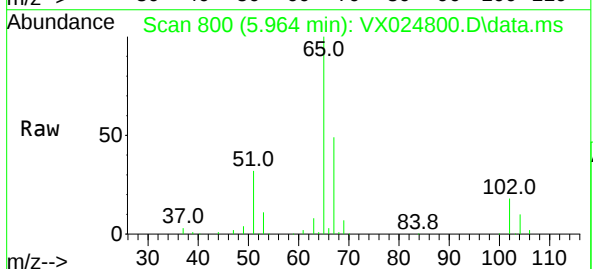
Instrument :  
MSVOA\_X  
ClientSampleId :  
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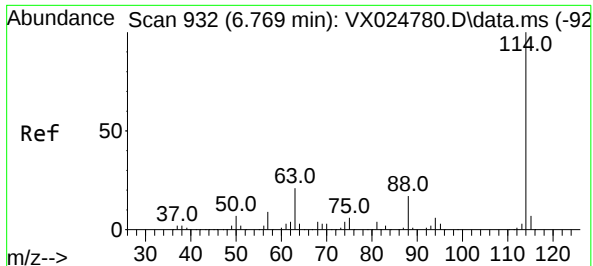
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Ion Ratio Lower Upper  
56 100  
69 155.2 24.2 36.2#  
84 108.9 71.5 107.3#



#33  
1,2-Dichloroethane-d4  
Concen: 62.572 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 65 Resp: 96495  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 101.0

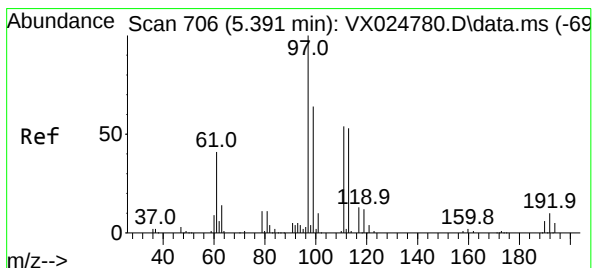
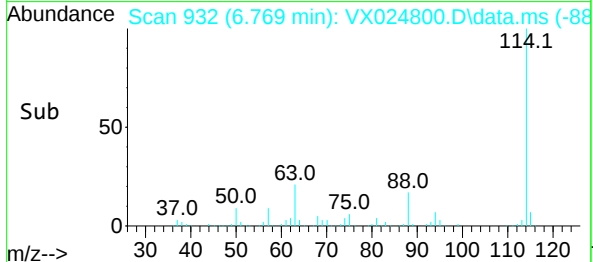
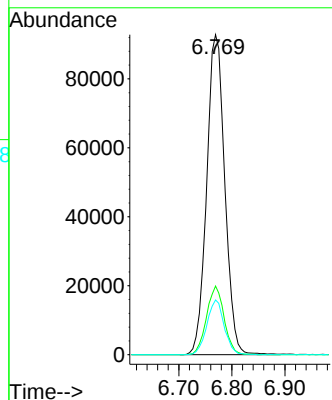
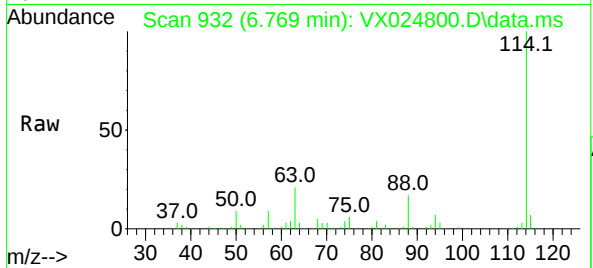




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

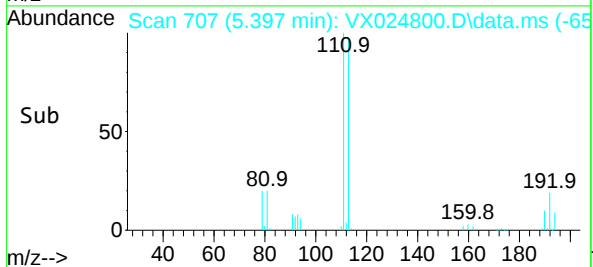
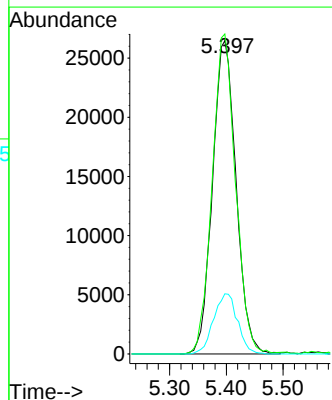
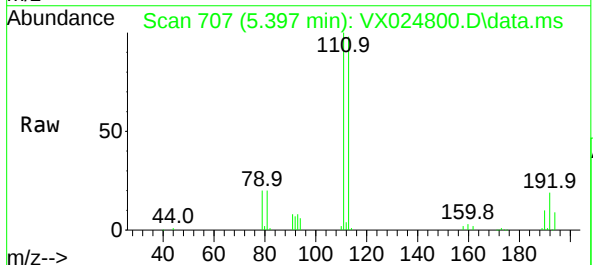
Instrument :  
MSVOA\_X  
ClientSampleId :  
P287-DITCH

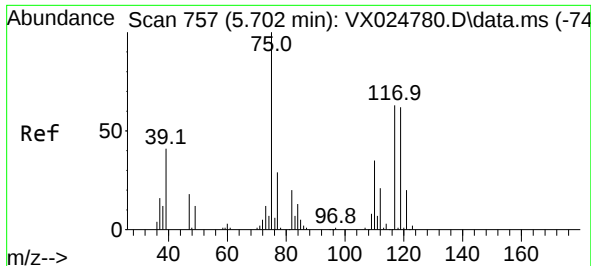
Tgt Ion:114 Resp: 220195  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 41.0  
88 17.1 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 58.285 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion:113 Resp: 76403  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.1 123.1  
192 19.5 15.6 23.4

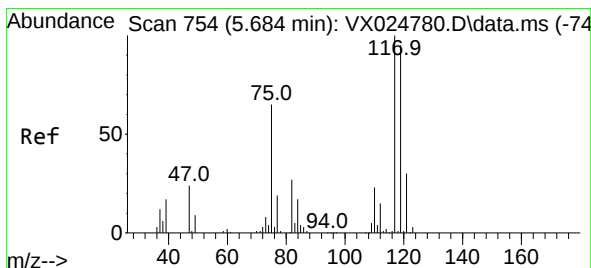
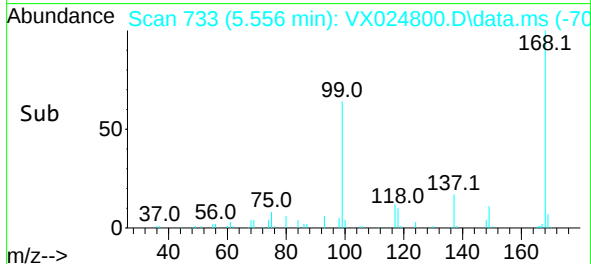
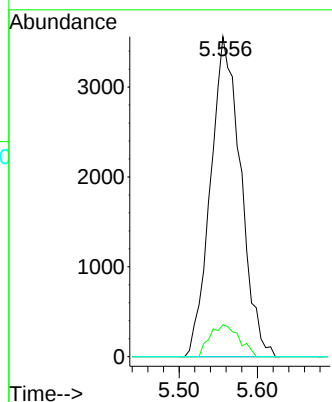
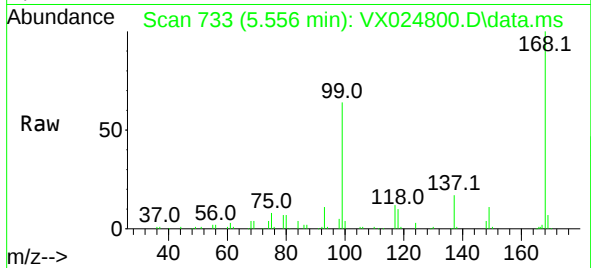




#36  
1,1-Dichloropropene  
Concen: 4.880 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

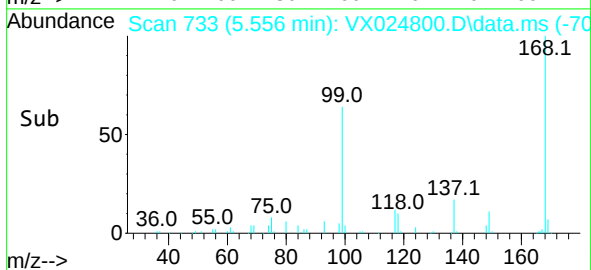
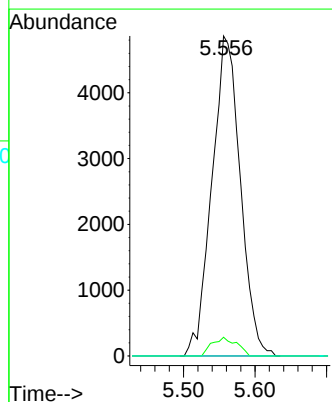
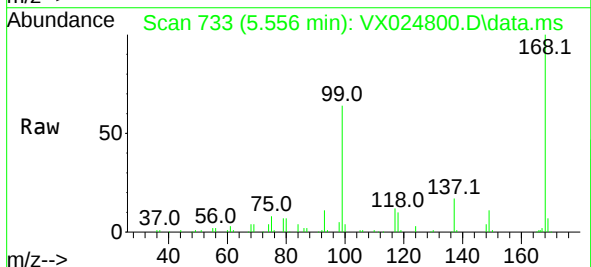
Instrument :  
MSVOA\_X  
ClientSampled :  
P287-DITCH

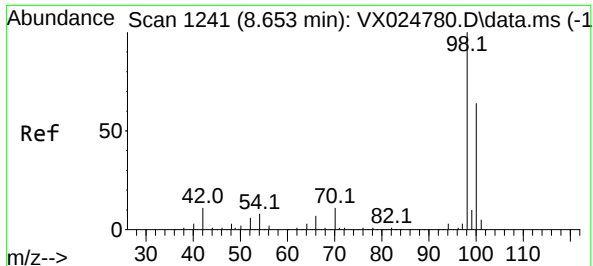
Tgt Ion: 75 Resp: 9510  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.1 54.3#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.139 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 117 Resp: 13403  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.6 113.4#  
121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 56.429 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024800.D

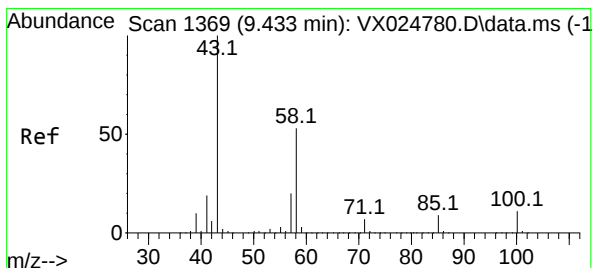
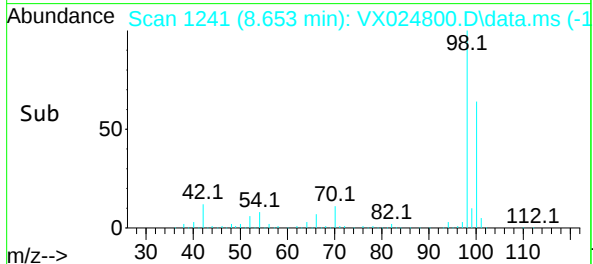
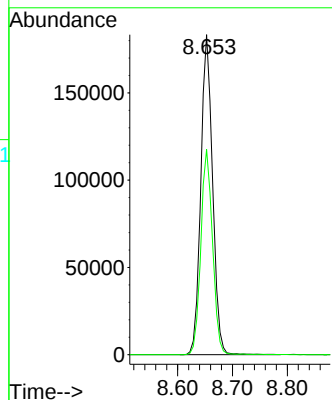
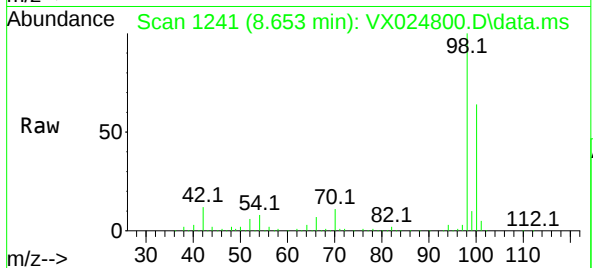
Acq: 13 Oct 2021 21:56

Tgt Ion: 98 Resp: 273619

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.525 min Scan# 1384

Delta R.T. 0.092 min

Lab File: VX024800.D

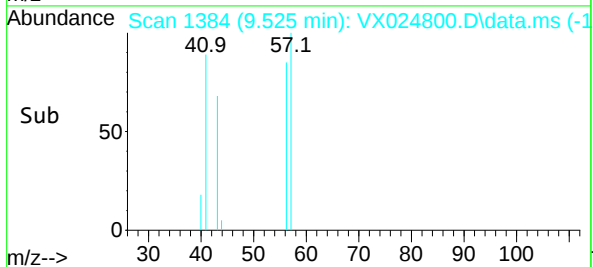
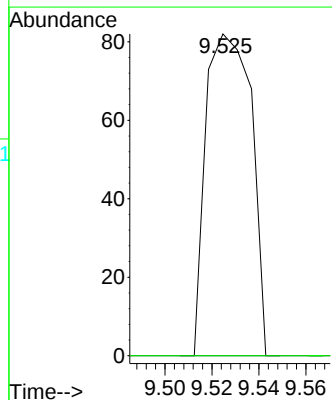
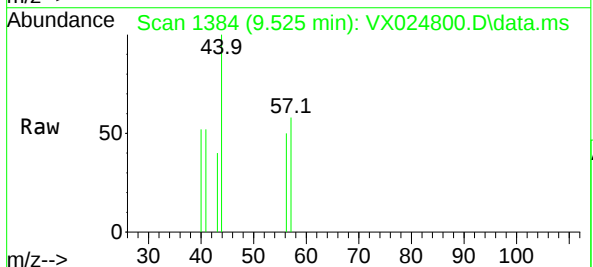
Acq: 13 Oct 2021 21:56

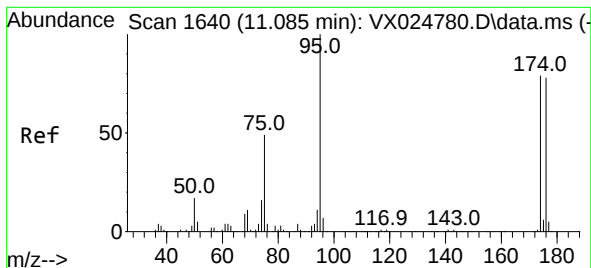
Tgt Ion: 43 Resp: 110

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#

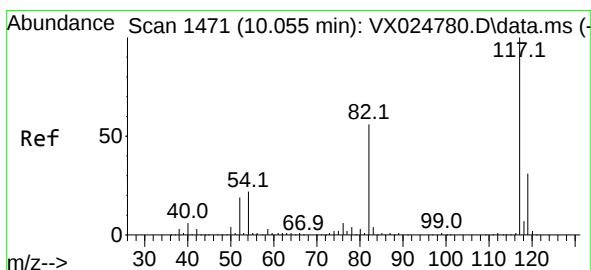
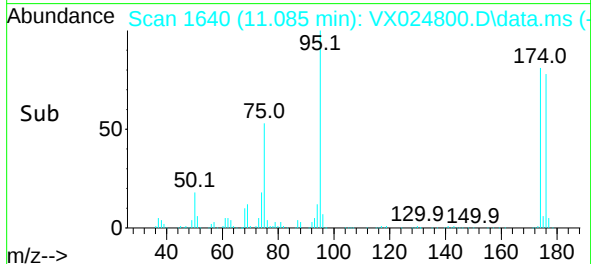
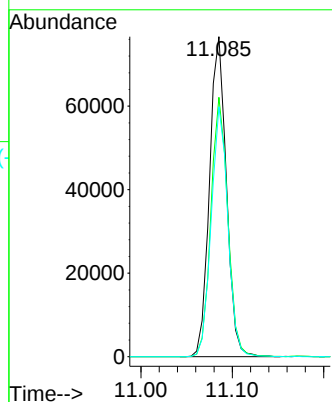
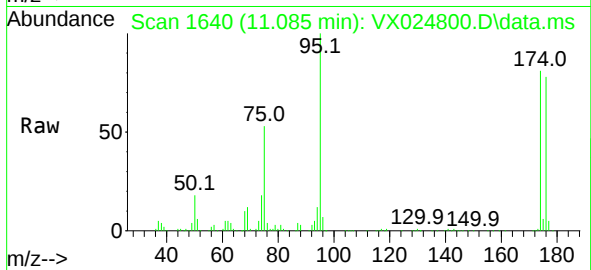




#62  
4-Bromofluorobenzene  
Concen: 51.414 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

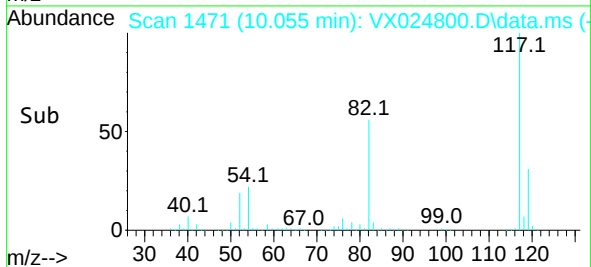
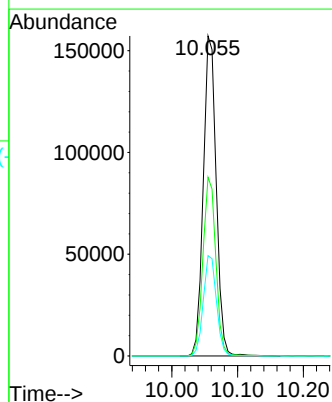
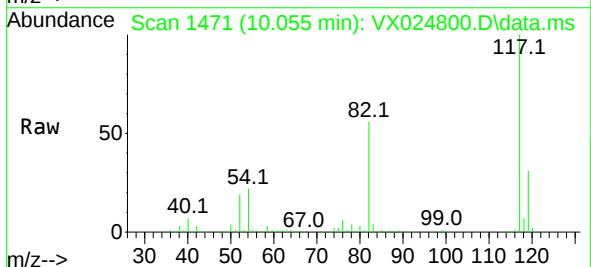
Instrument :  
MSVOA\_X  
ClientSampleId :  
P287-DITCH

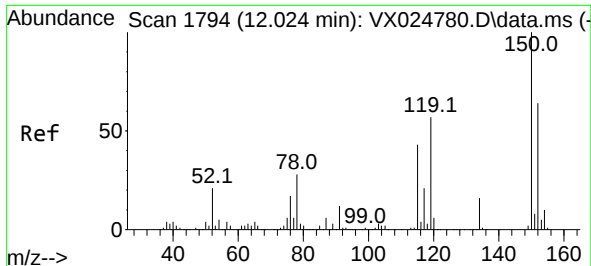
Tgt Ion: 95 Resp: 98051  
Ion Ratio Lower Upper  
95 100  
174 81.0 0.0 158.0  
176 77.1 0.0 153.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 117 Resp: 214985  
Ion Ratio Lower Upper  
117 100  
82 55.8 44.6 67.0  
119 31.3 24.8 37.2

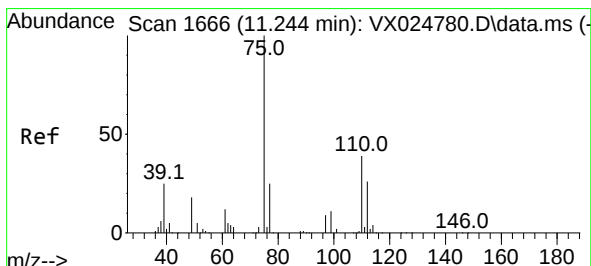
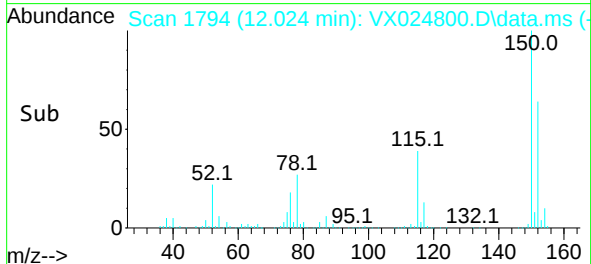
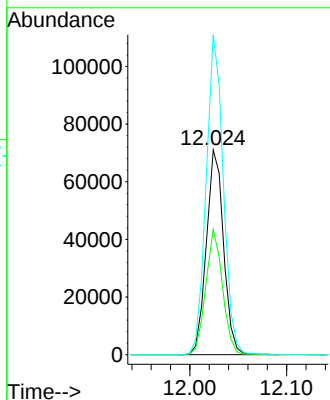
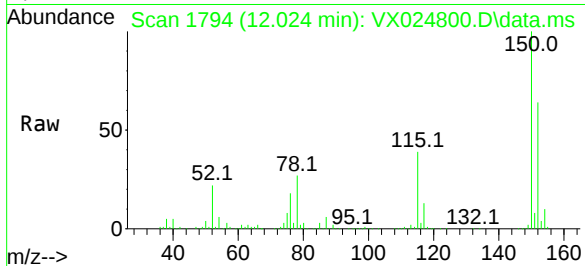




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024800.D  
 Acq: 13 Oct 2021 21:56

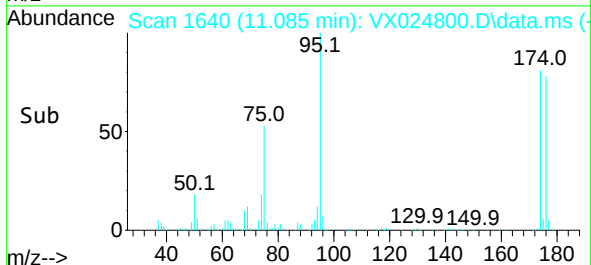
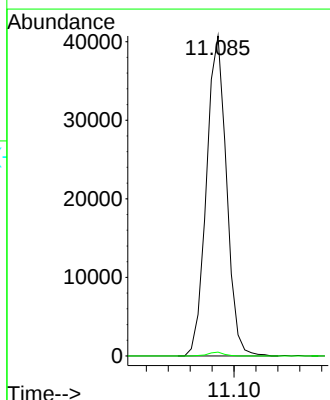
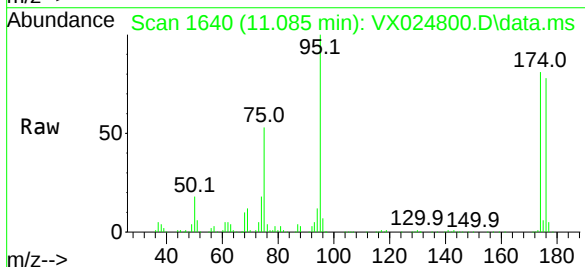
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 P287-DITCH

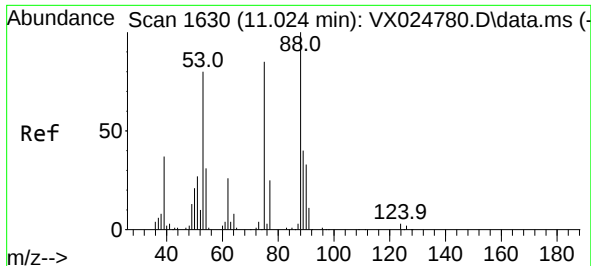
Tgt Ion:152 Resp: 88147  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 43.3 129.8  
 150 155.4 0.0 351.2



#76  
 1,2,3-Trichloropropane  
 Concen: 28.141 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX024800.D  
 Acq: 13 Oct 2021 21:56

Tgt Ion: 75 Resp: 51752  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 20.0 59.9#

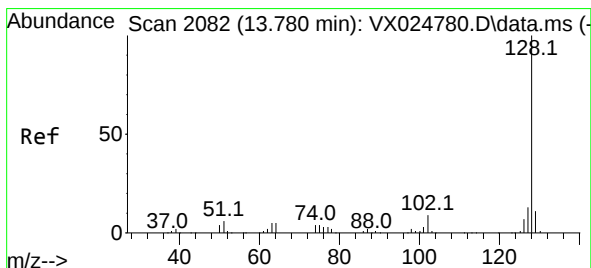
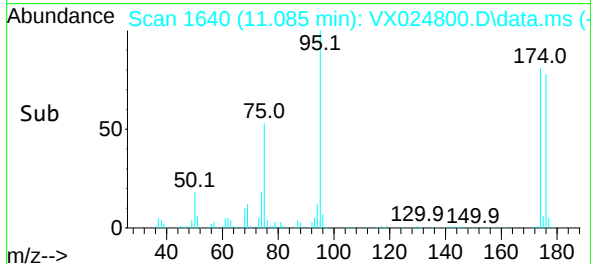
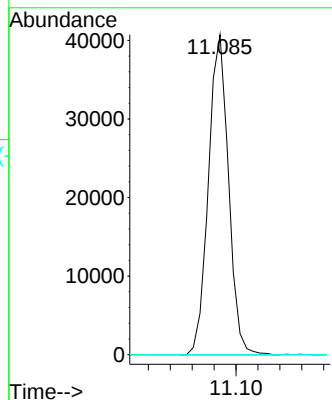
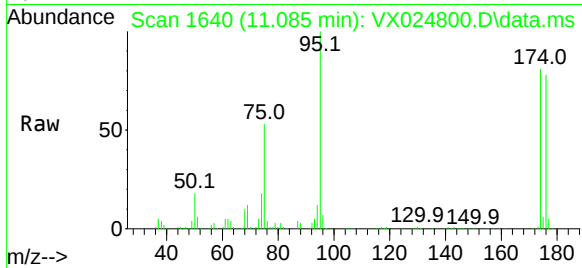




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.707 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
P287-DITCH

Tgt Ion: 75 Resp: 51752  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.9 122.9#  
89 0.0 38.2 57.2#



#95  
Naphthalene  
Concen: 0.280 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.006 min  
Lab File: VX024800.D  
Acq: 13 Oct 2021 21:56

Tgt Ion: 128 Resp: 159  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

