

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060222\  
 Data File : VX029137.D  
 Acq On : 02 Jun 2022 15:55  
 Operator : JC/MD  
 Sample : VX0602MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0602MBL01

Quant Time: Jun 03 04:32:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 01 04:45:42 2022  
 Response via : Initial Calibration

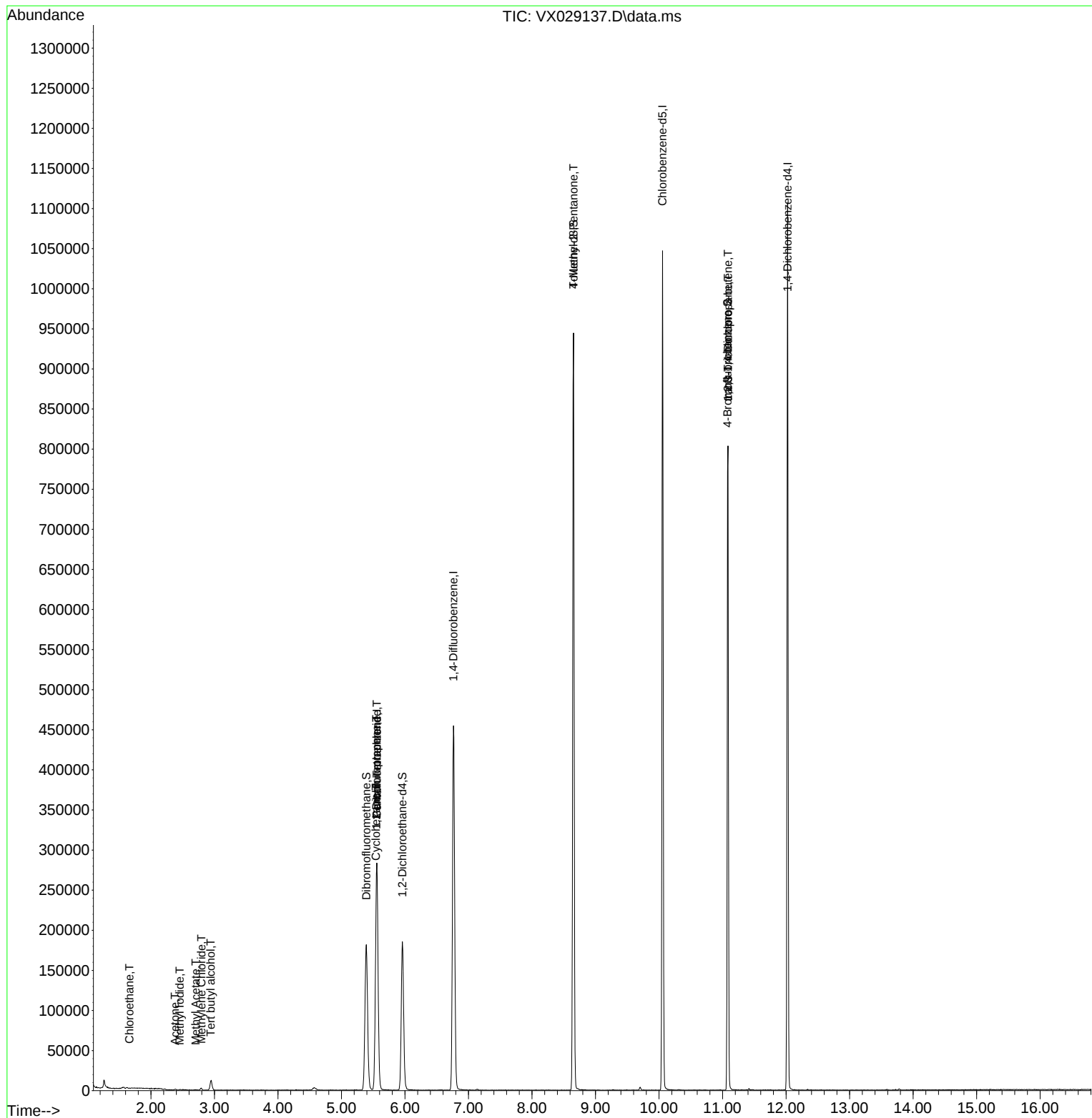
| Compound                      | R.T.           | QIon | Response            | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------------|-------|----------|
| -----                         |                |      |                     |               |       |          |
| Internal Standards            |                |      |                     |               |       |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 264848              | 50.000        | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 486582              | 50.000        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 475043              | 50.000        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 218570              | 50.000        | ug/l  | 0.00     |
|                               |                |      |                     |               |       |          |
| System Monitoring Compounds   |                |      |                     |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 178591              | 59.799        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 119.600% |               |       |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 162891              | 50.400        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 100.800% |               |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 577715              | 48.873        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 97.740%  |               |       |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 232664              | 50.919        | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 101.840% |               |       |          |
|                               |                |      |                     |               |       |          |
| Target Compounds              |                |      | Qvalue              |               |       |          |
| 5) Bromomethane               | 1.611          | 94   | 669                 | Below Cal     |       | 94       |
| 6) Chloroethane               | 1.660          | 64   | 696                 | 1.696 ug/l #  |       | 43       |
| 10) Methyl Iodide             | 2.453          | 142  | 562                 | 4.399 ug/l #  |       | 79       |
| 11) Tert butyl alcohol        | 2.940          | 59   | 6845                | 9.894 ug/l #  |       | 72       |
| 16) Acetone                   | 2.379          | 43   | 1097                | 0.933 ug/l    |       | 90       |
| 18) Methyl Acetate            | 2.703          | 43   | 713                 | 0.234 ug/l #  |       | 81       |
| 20) Methylene Chloride        | 2.794          | 84   | 1097                | 0.400 ug/l    |       | 96       |
| 31) Cyclohexane               | 5.543          | 56   | 4921                | 1.267 ug/l #  |       | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 20290               | 4.879 ug/l #  |       | 50       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 28397               | 5.975 ug/l #  |       | 16       |
| 44) Trichloroethene           | 7.141          | 130  | 331                 | Below Cal     |       | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 2053                | 0.490 ug/l #  |       | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 111931              | 25.262 ug/l # |       | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 111931              | 74.114 ug/l # |       | 15       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 100                 | Below Cal #   |       | 69       |
| -----                         |                |      |                     |               |       |          |

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

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Operator : JC/MD  
Sample : VX0602MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

Quant Time: Jun 03 04:32:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053122W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 01 04:45:42 2022  
Response via : Initial Calibration

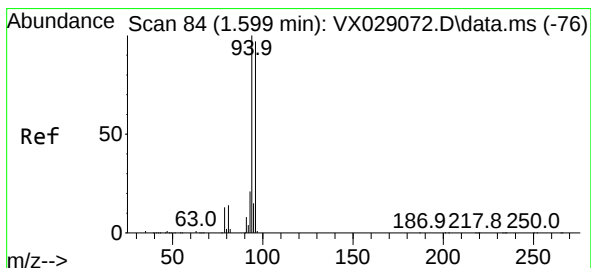
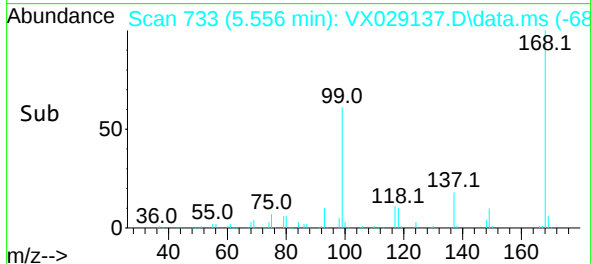
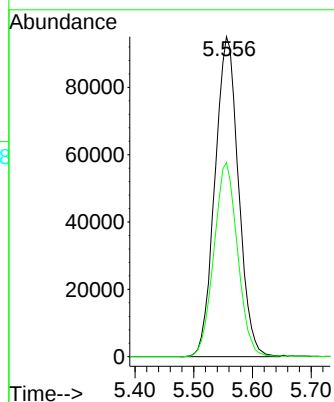
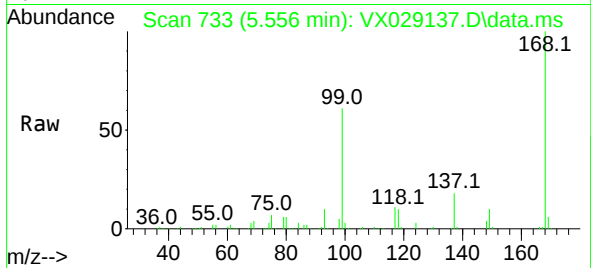




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

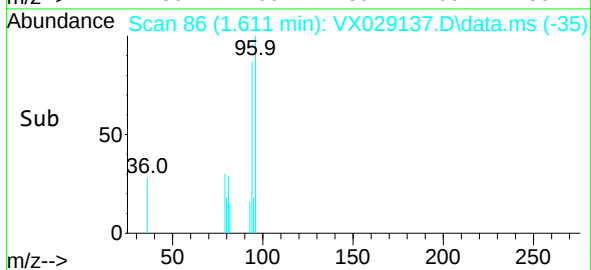
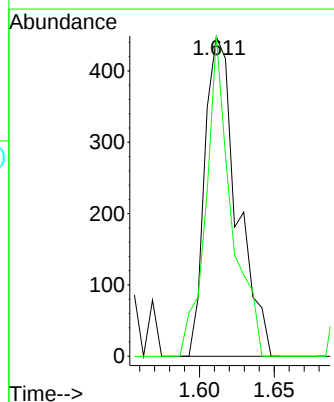
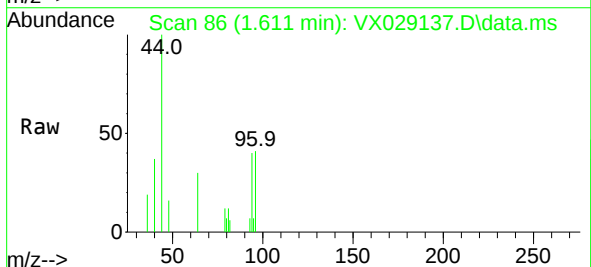
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

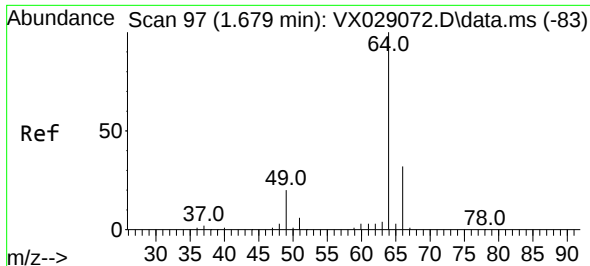
Tgt Ion:168 Resp: 264848  
Ion Ratio Lower Upper  
168 100  
99 60.6 41.7 62.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 94 Resp: 669  
Ion Ratio Lower Upper  
94 100  
96 100.2 75.3 112.9

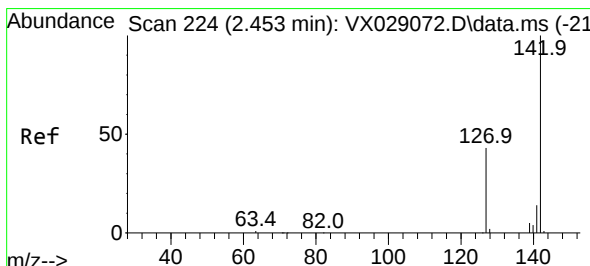
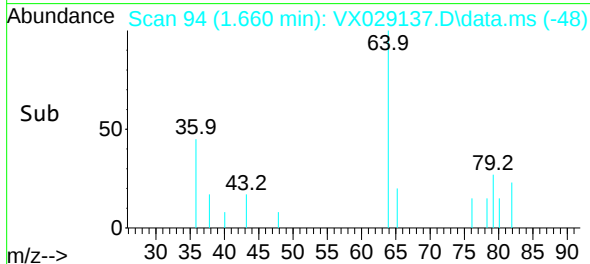
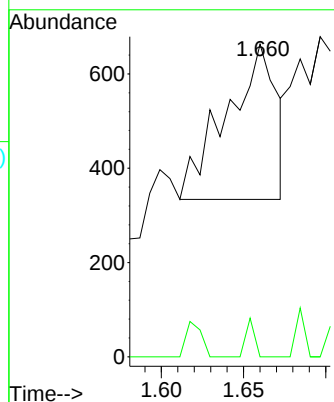
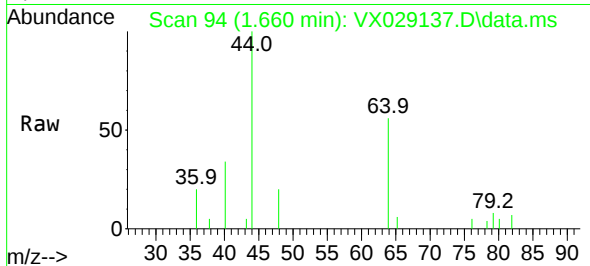




#6  
Chloroethane  
Concen: 1.696 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.019 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

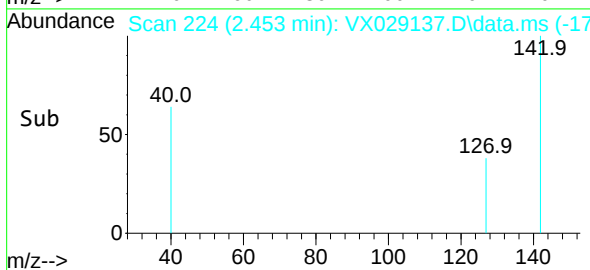
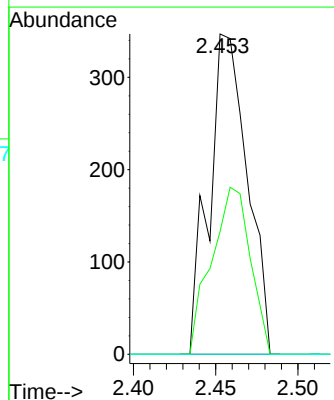
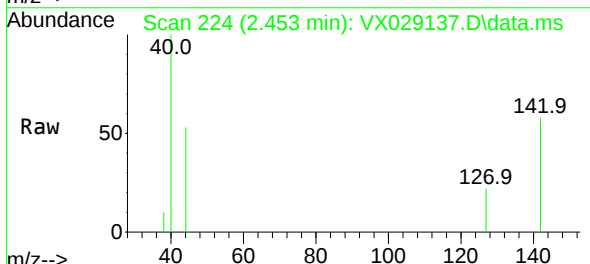
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

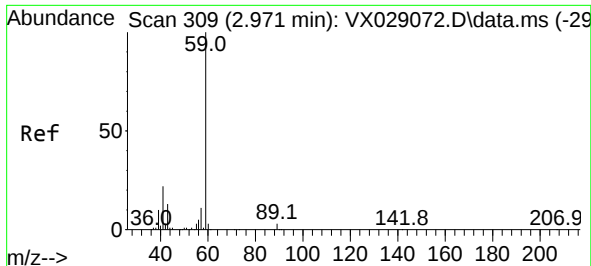
Tgt Ion: 64 Resp: 696  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



#10  
Methyl Iodide  
Concen: 4.399 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 142 Resp: 562  
Ion Ratio Lower Upper  
142 100  
127 53.0 33.9 50.9#  
141 0.0 11.4 17.2#

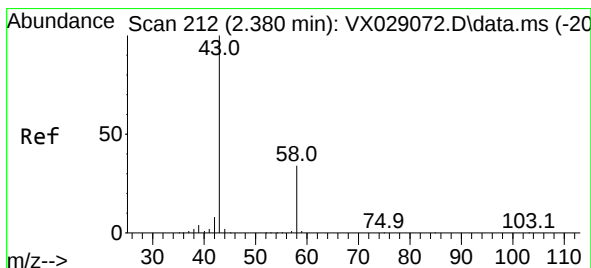
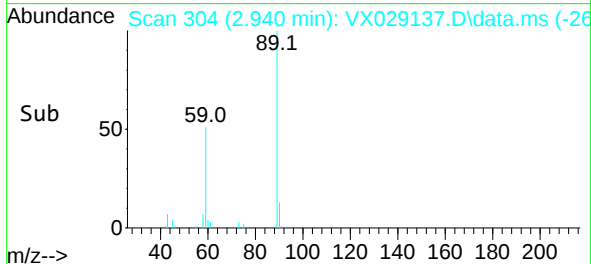
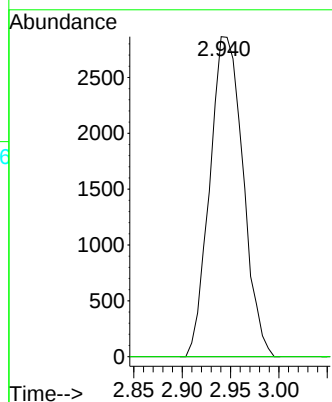
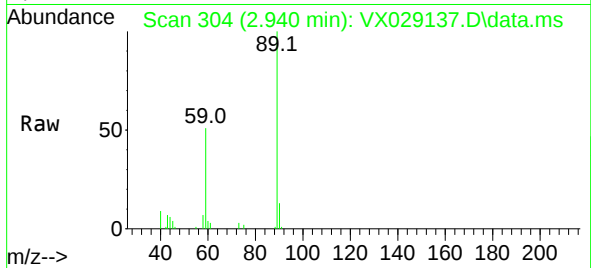




#11  
Tert butyl alcohol  
Concen: 9.894 ug/l  
RT: 2.940 min Scan# 309  
Delta R.T. -0.031 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

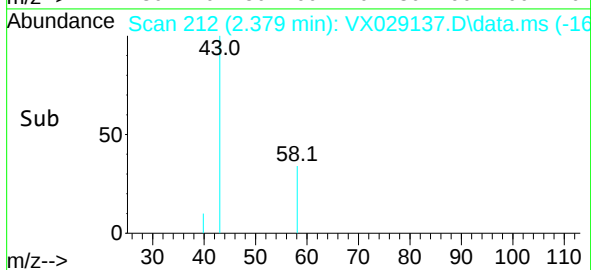
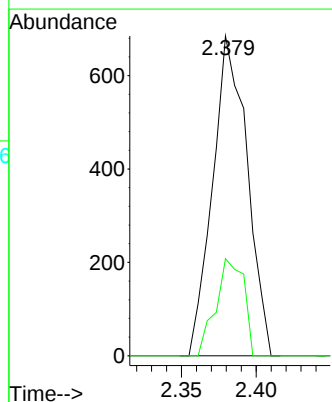
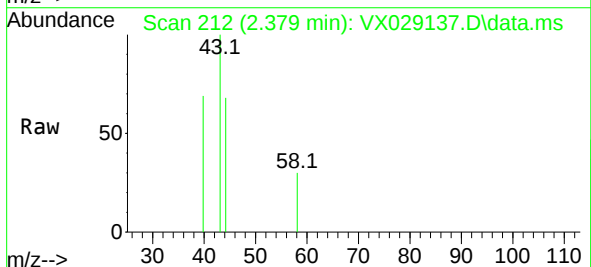
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

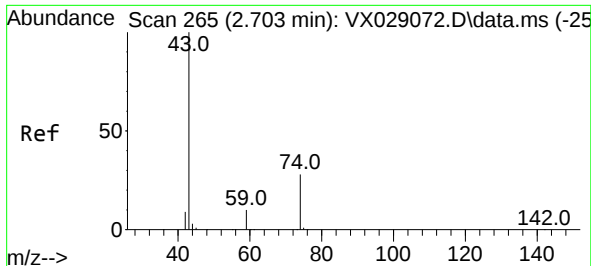
Tgt Ion: 59 Resp: 6845  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#16  
Acetone  
Concen: 0.933 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.001 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 43 Resp: 1097  
Ion Ratio Lower Upper  
43 100  
58 30.4 28.8 43.2

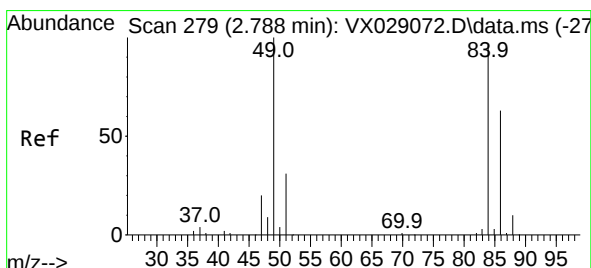
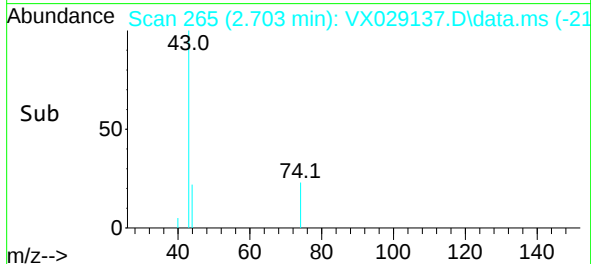
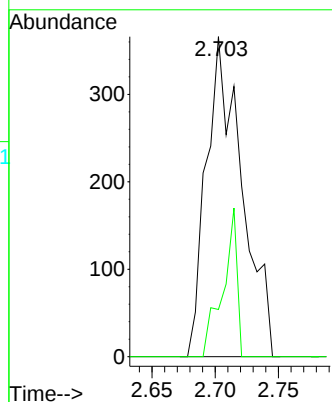
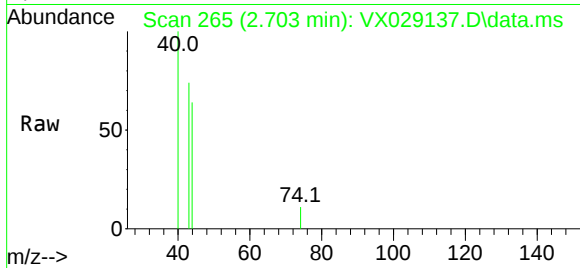




#18  
Methyl Acetate  
Concen: 0.234 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

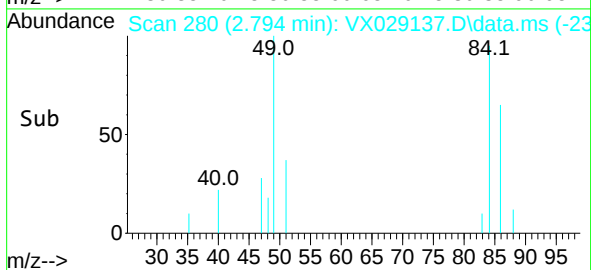
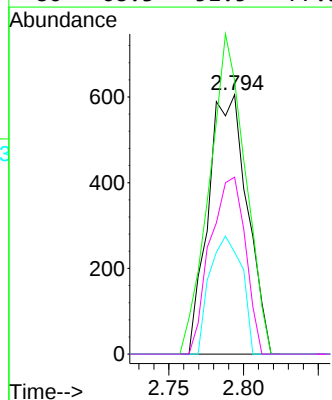
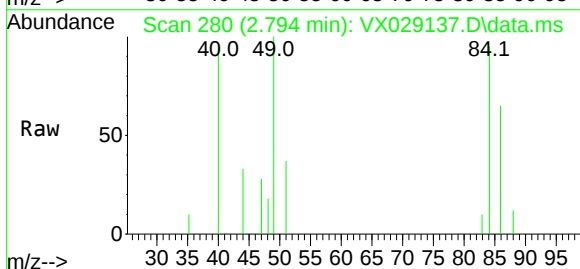
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

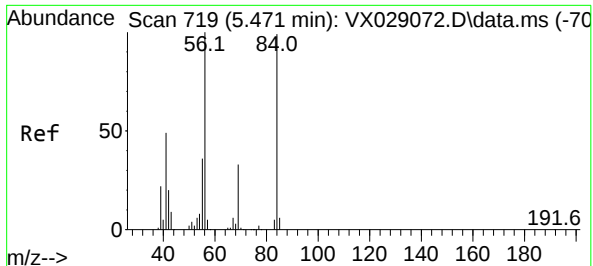
Tgt Ion: 43 Resp: 713  
Ion Ratio Lower Upper  
43 100  
74 18.7 22.8 34.2#



#20  
Methylene Chloride  
Concen: 0.400 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 84 Resp: 1097  
Ion Ratio Lower Upper  
84 100  
49 105.5 85.5 128.3  
51 39.3 26.6 39.8  
86 68.3 51.5 77.3

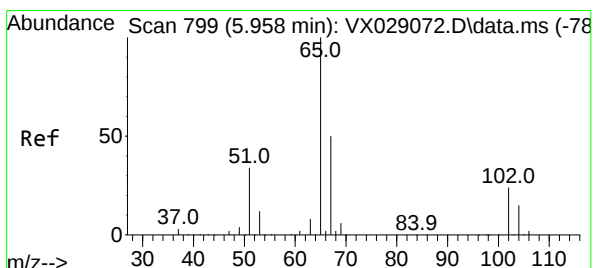
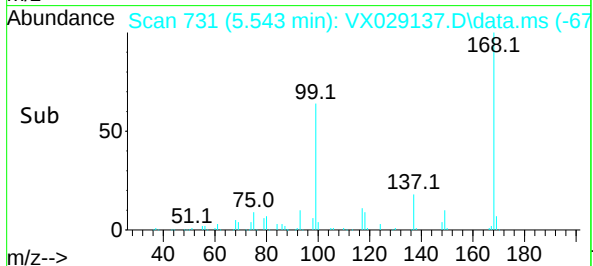
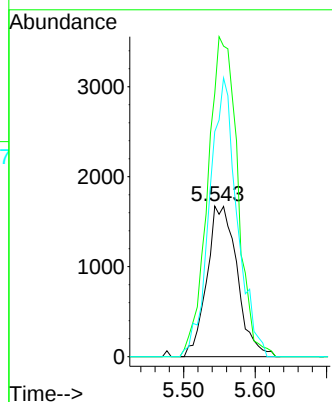
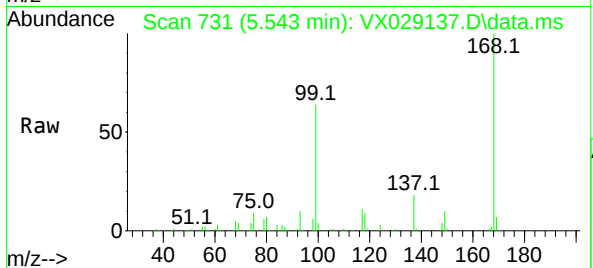




#31  
Cyclohexane  
Concen: 1.267 ug/l  
RT: 5.543 min Scan# 719  
Delta R.T. 0.072 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

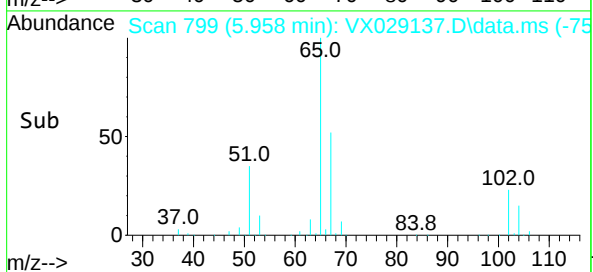
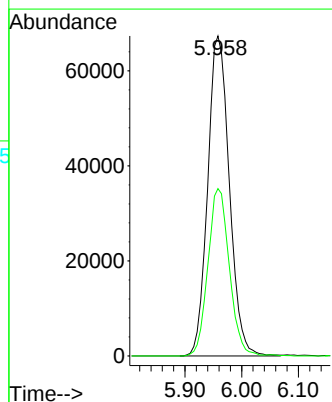
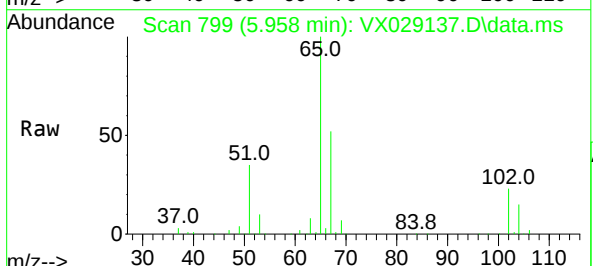
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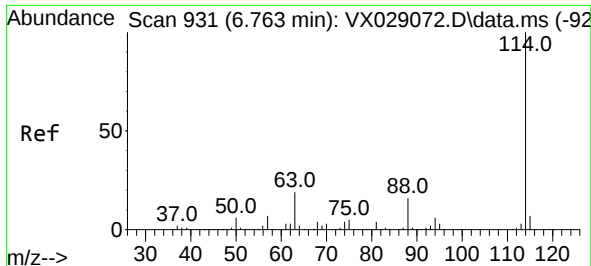
Tgt Ion: 56 Resp: 4921  
Ion Ratio Lower Upper  
56 100  
69 174.8 26.7 40.1#  
84 149.6 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 59.799 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 65 Resp: 178591  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 107.4

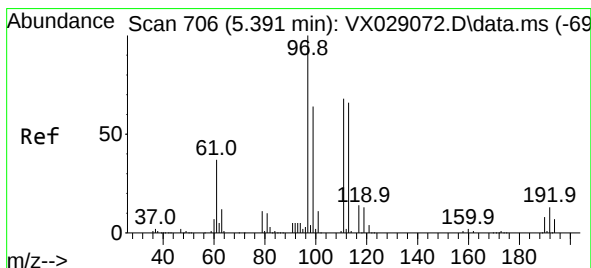
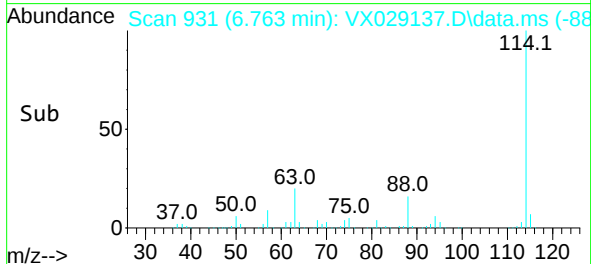
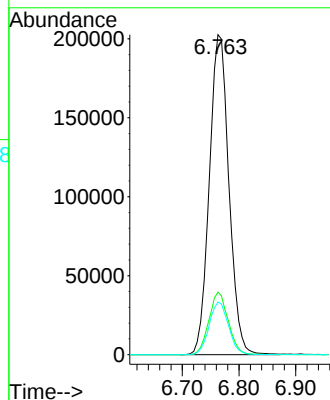
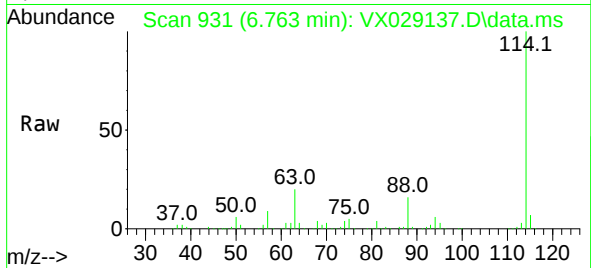




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

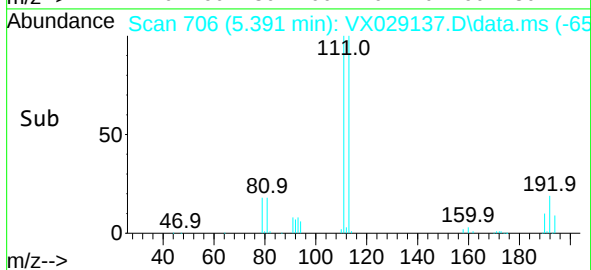
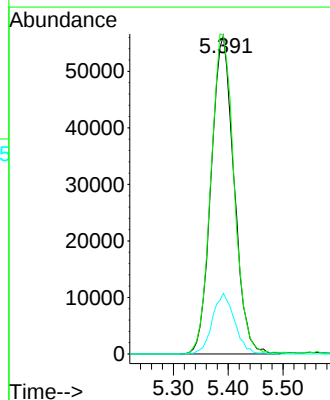
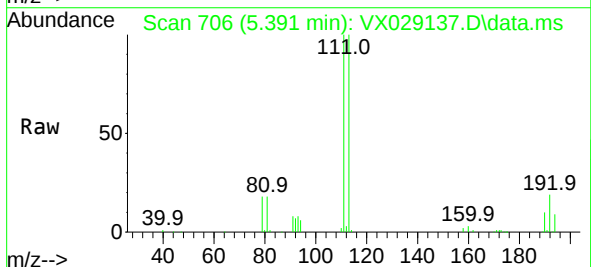
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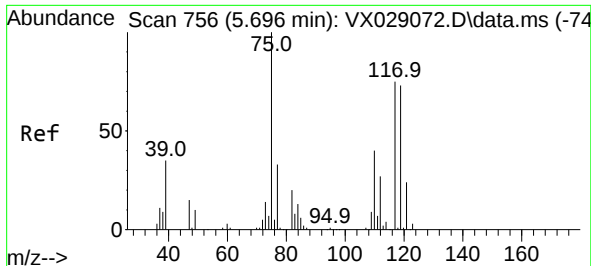
Tgt Ion:114 Resp: 486582  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 36.8  
88 16.5 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 50.400 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion:113 Resp: 162891  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.8 124.2  
192 18.5 16.9 25.3

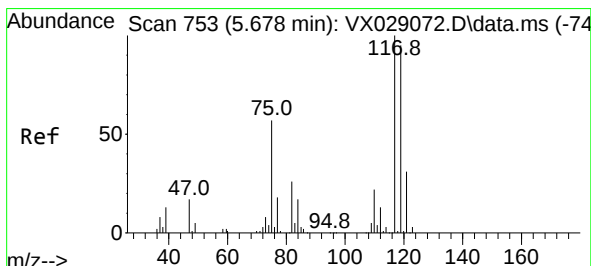
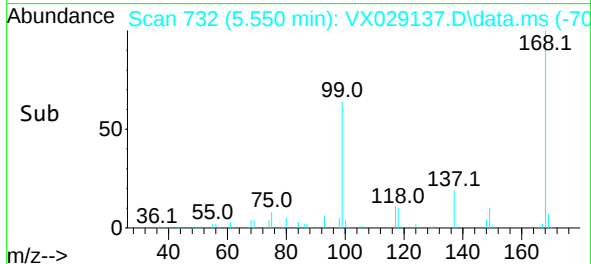
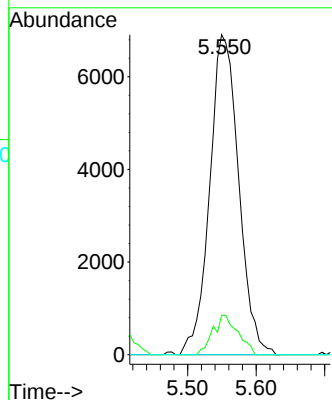
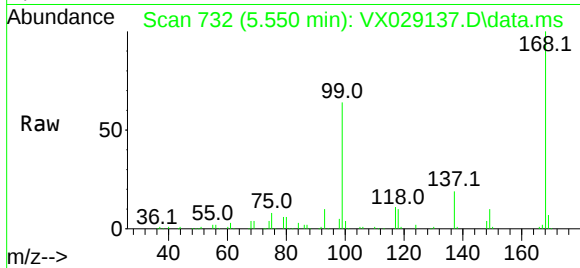




#36  
1,1-Dichloropropene  
Concen: 4.879 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

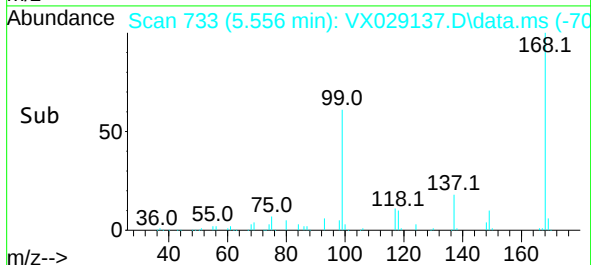
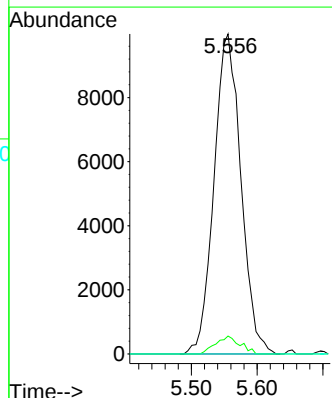
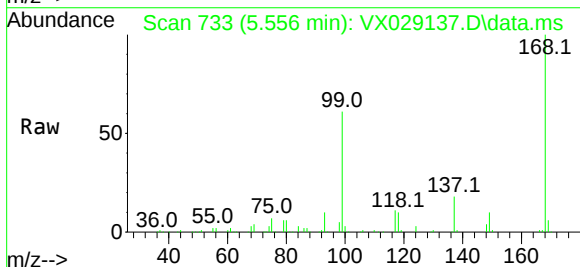
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

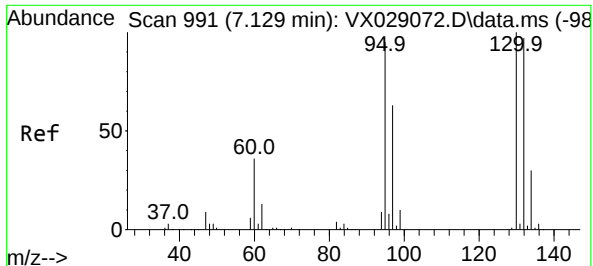
Tgt Ion: 75 Resp: 20290  
Ion Ratio Lower Upper  
75 100  
110 10.6 18.3 54.8#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 5.975 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 117 Resp: 28397  
Ion Ratio Lower Upper  
117 100  
119 5.6 77.3 115.9#  
121 0.0 24.2 36.2#

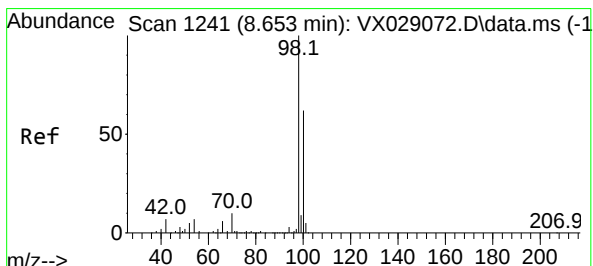
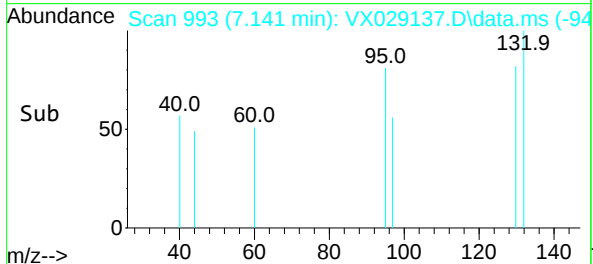
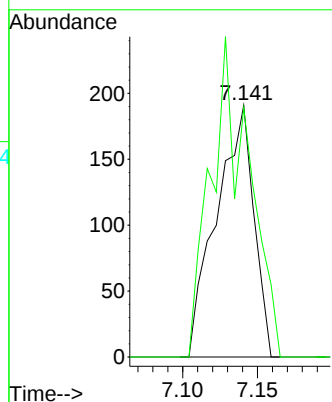
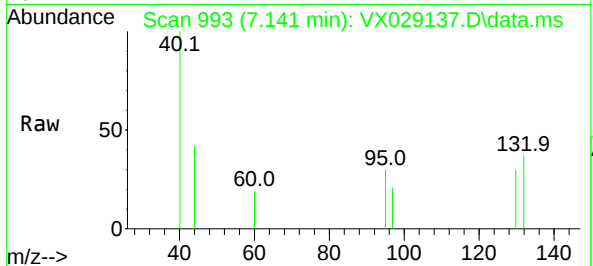




#44  
Trichloroethene  
Concen: Below Cal  
RT: 7.141 min Scan# 991  
Delta R.T. 0.012 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

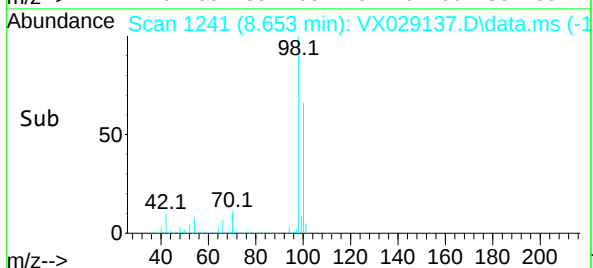
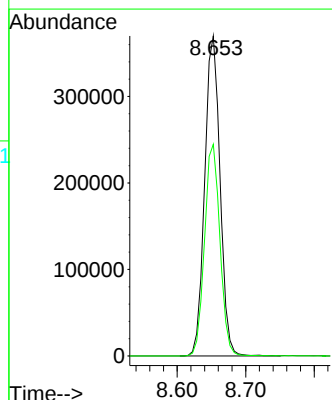
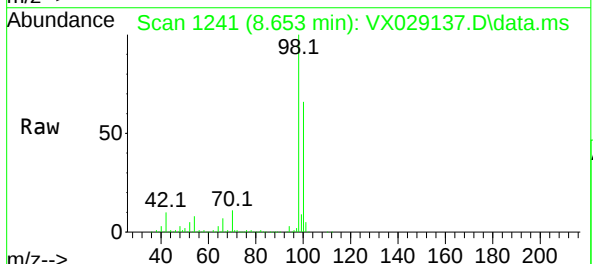
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

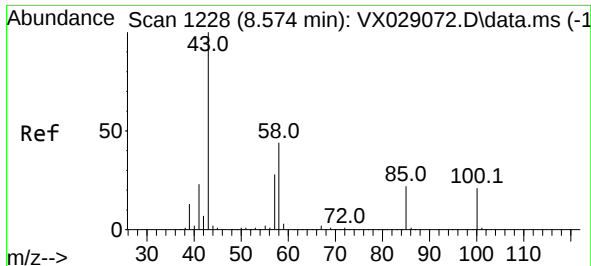
Tgt Ion:130 Resp: 331  
Ion Ratio Lower Upper  
130 100  
95 99.0 0.0 188.8



#50  
Toluene-d8  
Concen: 48.873 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 98 Resp: 577715  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.6 78.8

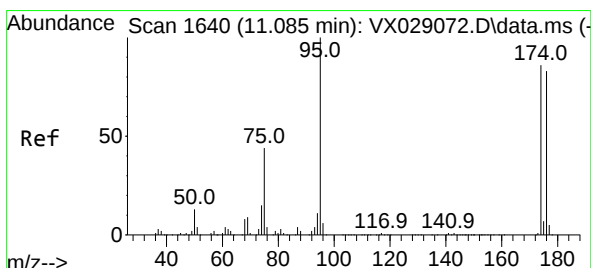
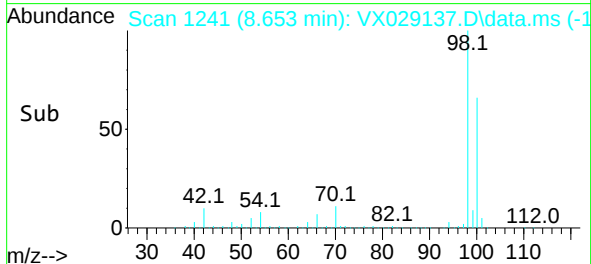
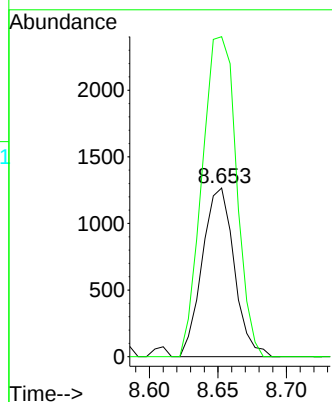
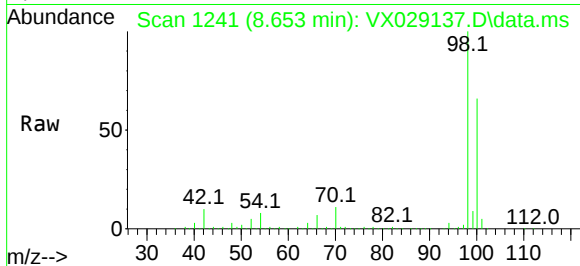




#51  
4-Methyl-2-Pentanone  
Concen: 0.490 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.079 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

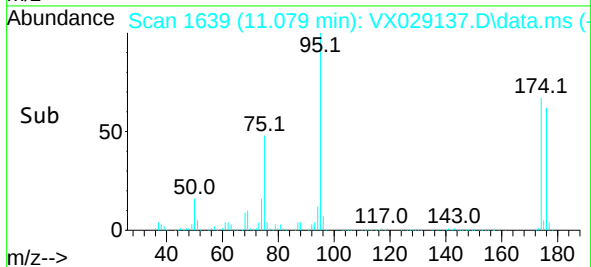
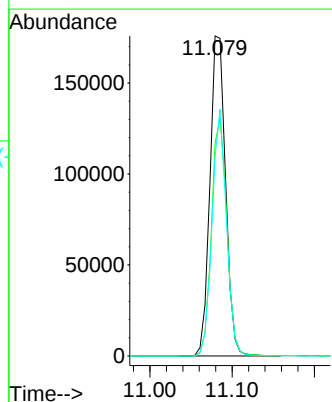
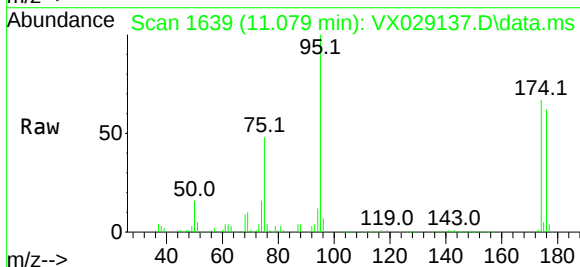
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

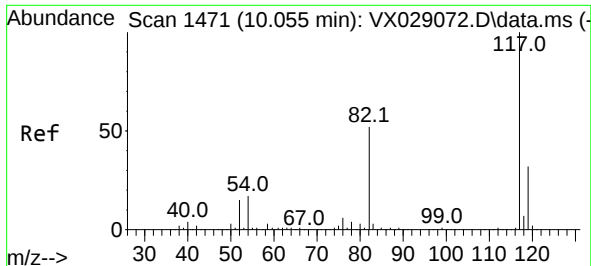
Tgt Ion: 43 Resp: 2053  
Ion Ratio Lower Upper  
43 100  
58 203.8 36.1 54.1#



#62  
4-Bromofluorobenzene  
Concen: 50.919 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 95 Resp: 232664  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 163.0  
176 70.8 0.0 155.0

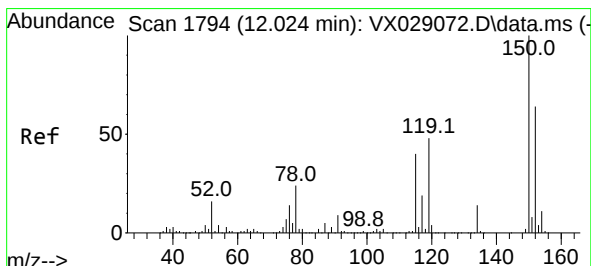
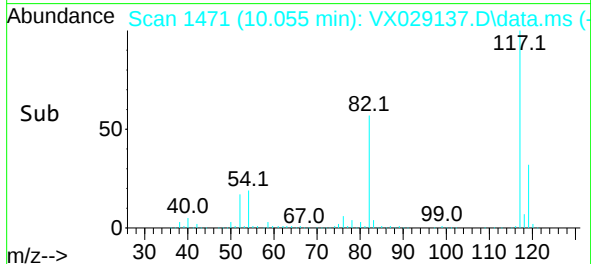
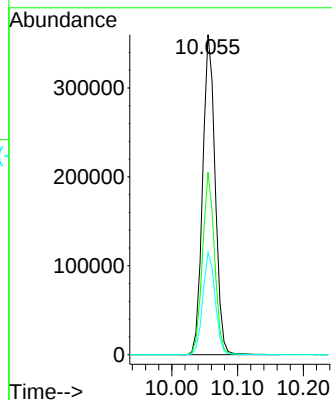
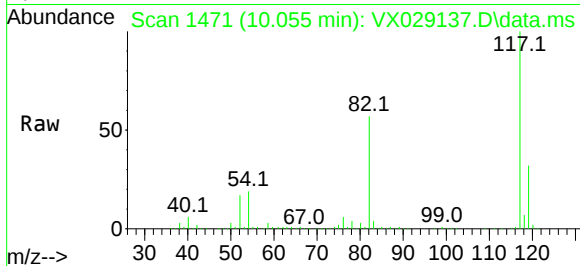




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

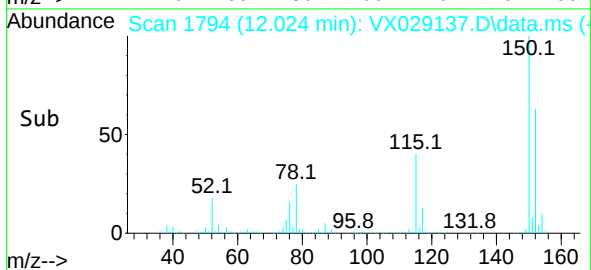
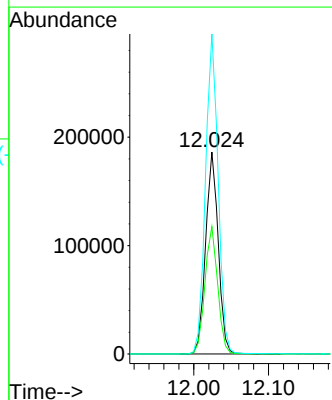
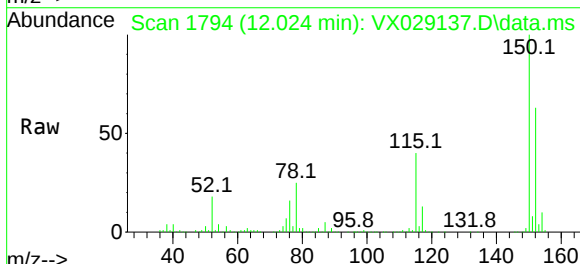
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

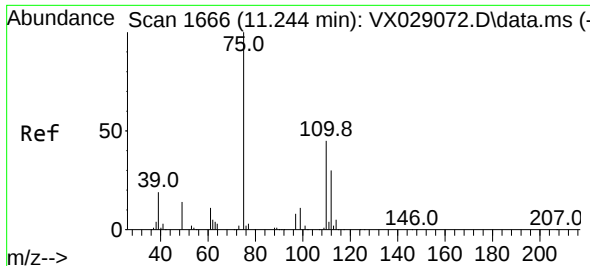
Tgt Ion:117 Resp: 475043  
Ion Ratio Lower Upper  
117 100  
82 56.9 41.8 62.8  
119 31.9 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion:152 Resp: 218570  
Ion Ratio Lower Upper  
152 100  
115 63.6 37.5 112.7  
150 158.4 0.0 338.2

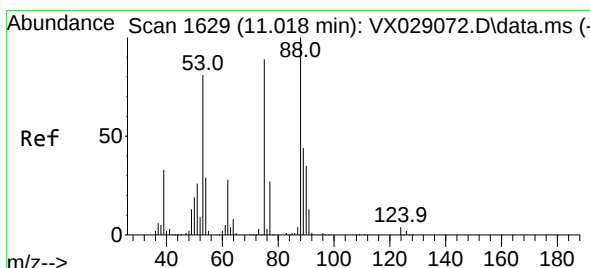
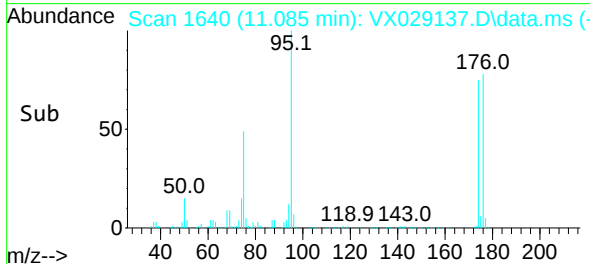
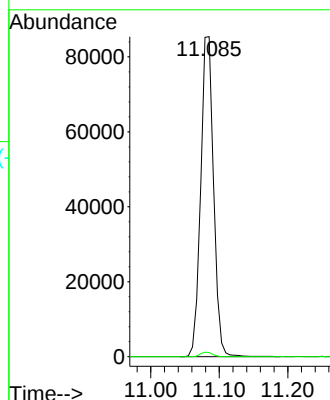
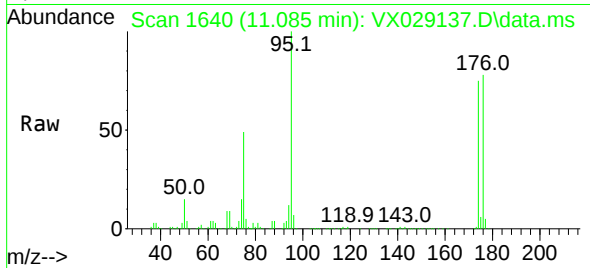




#76  
1,2,3-Trichloropropane  
Concen: 25.262 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

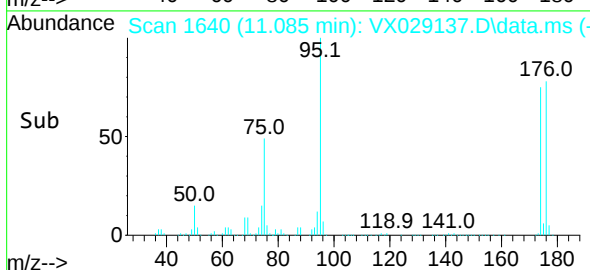
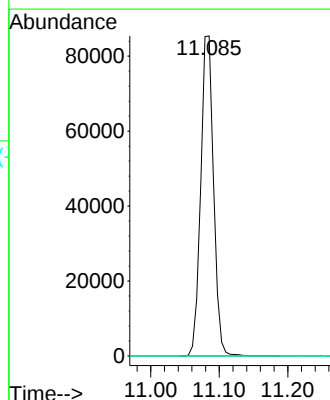
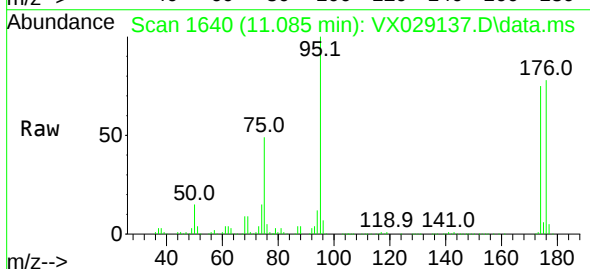
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0602MBL01

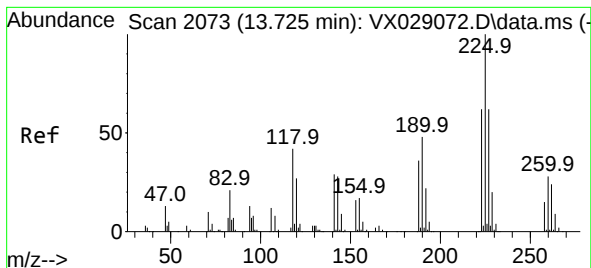
Tgt Ion: 75 Resp: 111931  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.114 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX029137.D  
Acq: 02 Jun 2022 15:55

Tgt Ion: 75 Resp: 111931  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 13.725 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX029137.D

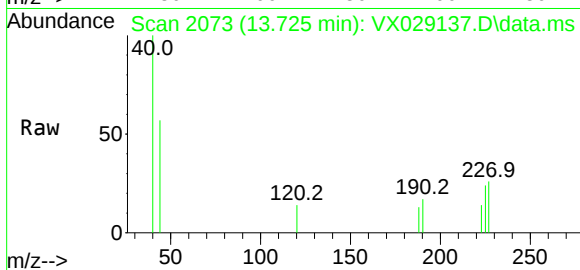
Acq: 02 Jun 2022 15:55

Instrument :

MSVOA\_X

ClientSampleId :

VX0602MBL01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 100    |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 30.0  | 34.2  | 102.5# |
| 227      | 80.0  | 33.9  | 101.7  |

