

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111022\  
 Data File : VX032753.D  
 Acq On : 11 Nov 2022 04:04  
 Operator : JC/MD  
 Sample : VX1110WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1110WBL02

Quant Time: Nov 11 05:34:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

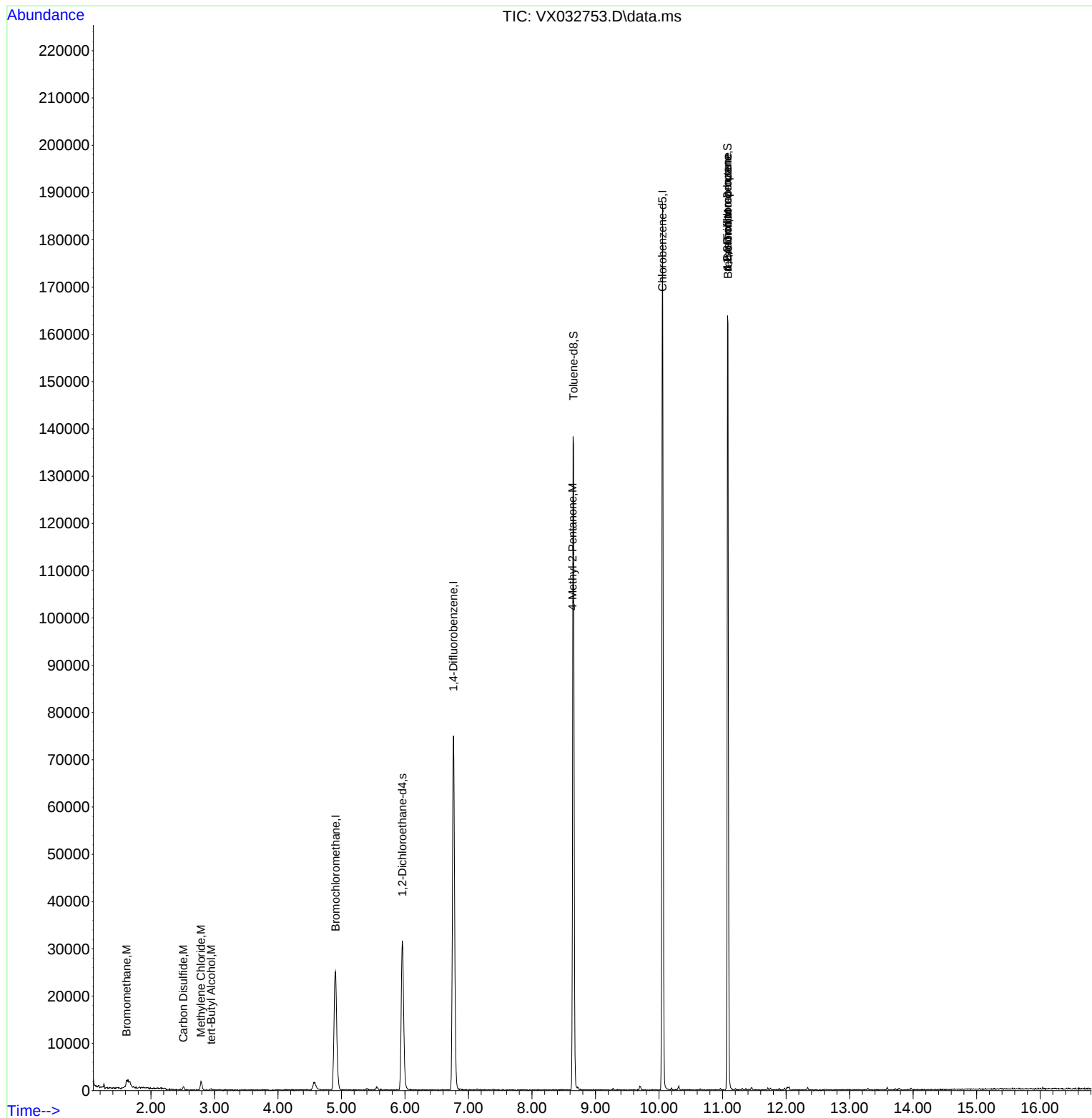
| Compound                    | R.T. QIon |          | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------|----------|------------|--------|----------|
| -----                       |           |          |          |            |        |          |
| Internal Standards          |           |          |          |            |        |          |
| 1) Bromochloromethane       | 4.910     | 128      | 11124    | 30.000     | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763     | 114      | 77275    | 30.000     | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055    | 117      | 82185    | 30.000     | ug/l   | 0.00     |
|                             |           |          |          |            |        |          |
| System Monitoring Compounds |           |          |          |            |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.958     | 65       | 32345    | 30.140     | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range     | 91 - 110 | Recovery | = 100.467% |        |          |
| 60) 4-Bromofluorobenzene    | 11.079    | 95       | 42982    | 27.341     | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range     | 63 - 112 | Recovery | = 91.133%  |        |          |
| 63) Toluene-d8              | 8.653     | 98       | 82704    | 29.819     | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range     | 91 - 112 | Recovery | = 99.400%  |        |          |
|                             |           |          |          |            |        |          |
| Target Compounds            |           |          |          |            |        | Qvalue   |
| 5) Bromomethane             | 1.618     | 94       | 344      | 0.351      | ug/l   | 98       |
| 16) Carbon Disulfide        | 2.508     | 76       | 846      | 0.314      | ug/l # | 74       |
| 18) Methylene Chloride      | 2.788     | 84       | 811      | 0.650      | ug/l   | 93       |
| 23) tert-Butyl Alcohol      | 2.947     | 59       | 157      | 0.841      | ug/l # | 100      |
| 56) Bromoform               | 11.085    | 173      | 405      | 0.405      | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone    | 8.641     | 43       | 360      | 0.224      | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane  | 11.079    | 75       | 23575    | 14.642     | ug/l   | 38       |
| 77) t-1,4-Dichloro-2-butene | 11.079    | 75       | 23575    | 47.983     | ug/l # | 8        |
| -----                       |           |          |          |            |        |          |

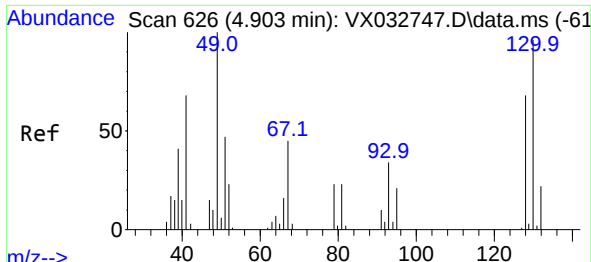
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1110WBL02

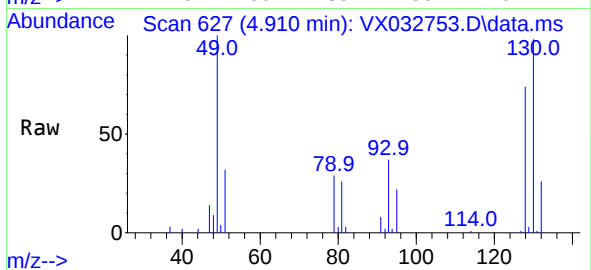
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Nov 11 05:24:06 2022  
Response via : Initial Calibration



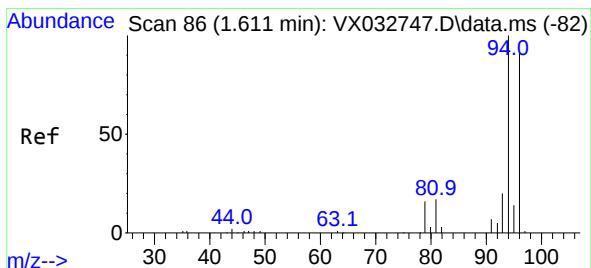
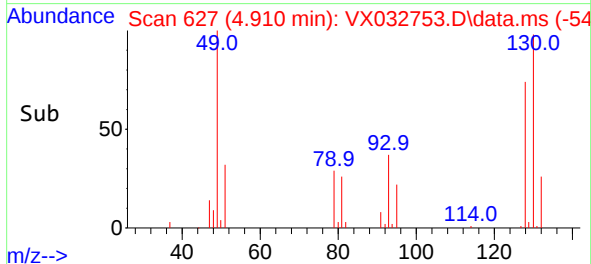
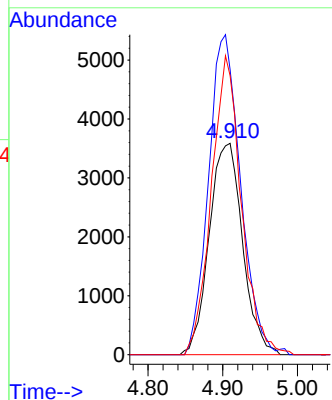


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1110WBL02

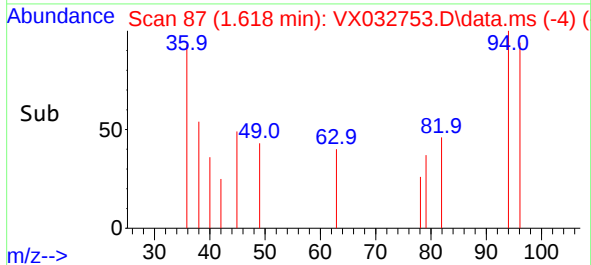
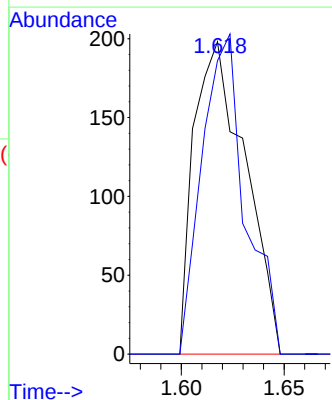
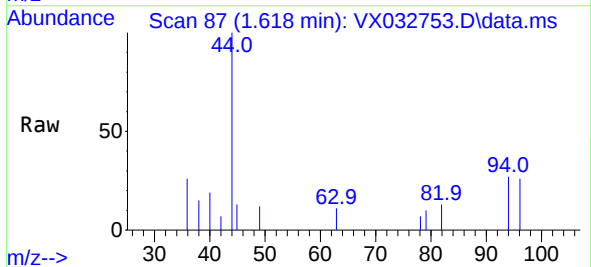


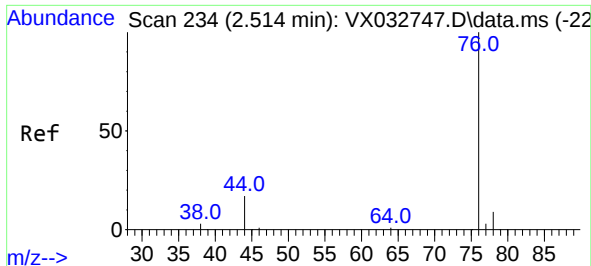
Tgt Ion:128 Resp: 11124  
Ion Ratio Lower Upper  
128 100  
49 145.3 0.0 293.0  
130 127.1 0.0 321.5



#5  
Bromomethane  
Concen: 0.351 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.006 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Tgt Ion: 94 Resp: 344  
Ion Ratio Lower Upper  
94 100  
96 93.9 76.8 115.2

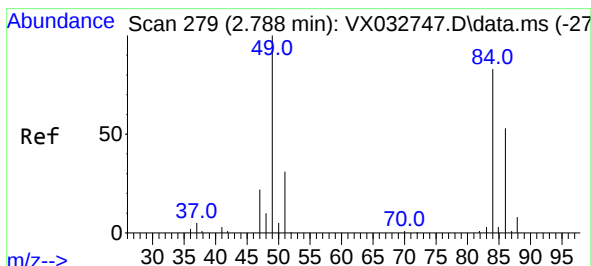
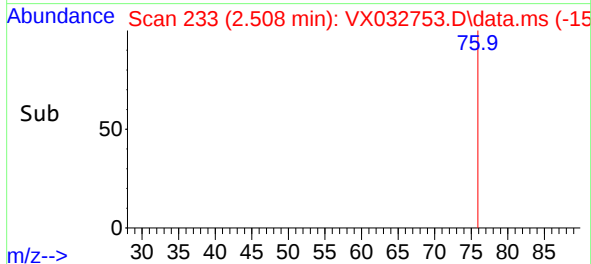
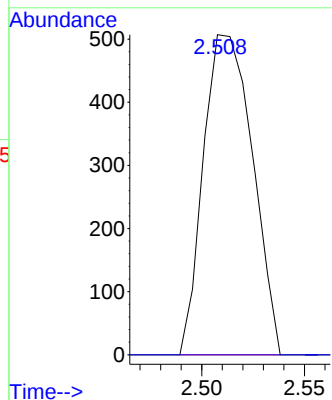
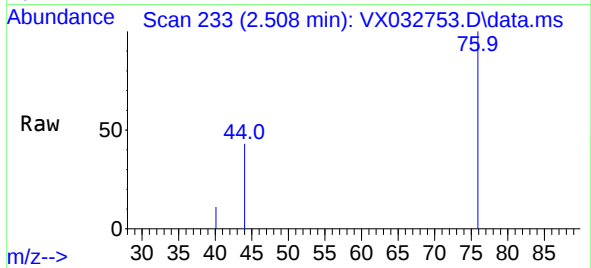




#16  
Carbon Disulfide  
Concen: 0.314 ug/l  
RT: 2.508 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

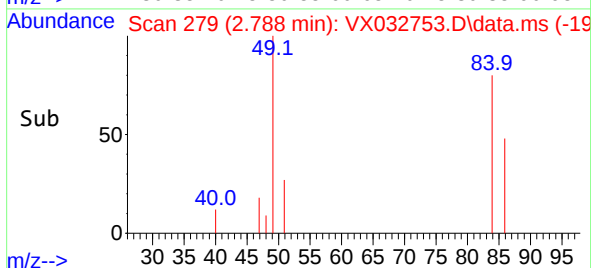
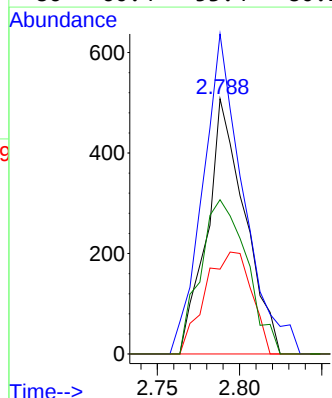
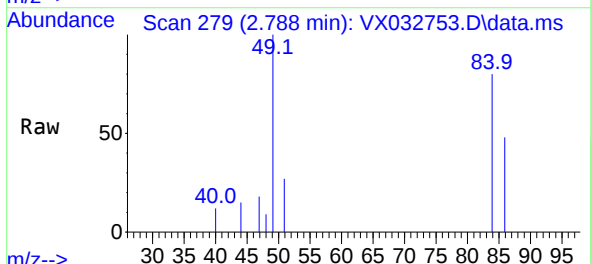
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1110WBL02

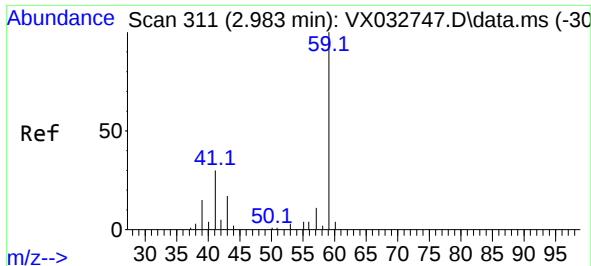
Tgt Ion: 76 Resp: 846  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#18  
Methylene Chloride  
Concen: 0.650 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Tgt Ion: 84 Resp: 811  
Ion Ratio Lower Upper  
84 100  
49 114.6 84.6 127.0  
51 33.3 26.5 39.7  
86 60.4 53.4 80.2

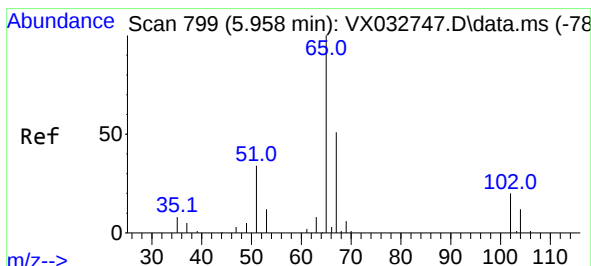
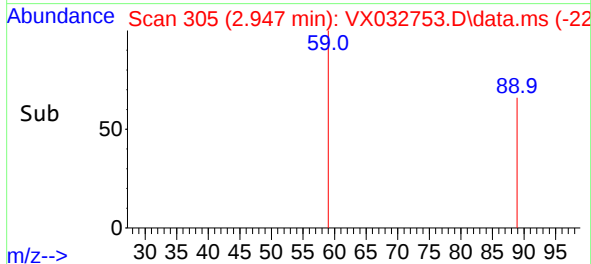
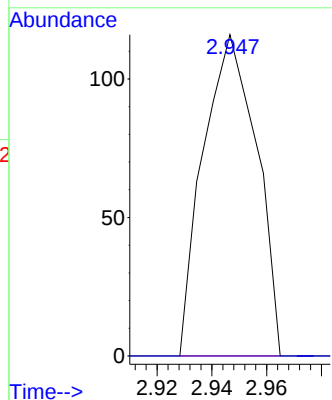
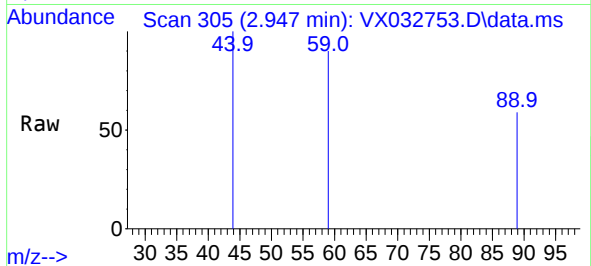




#23  
tert-Butyl Alcohol  
Concen: 0.841 ug/l  
RT: 2.947 min Scan# 30  
Delta R.T. -0.036 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

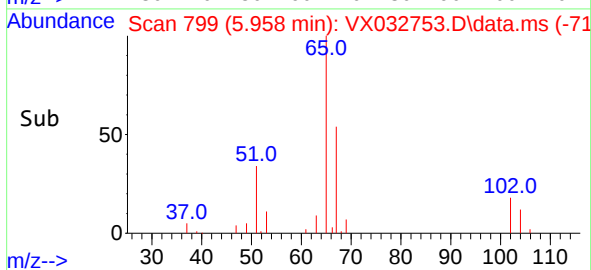
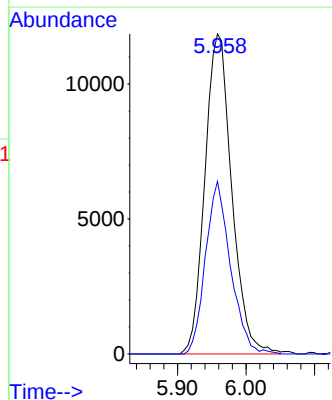
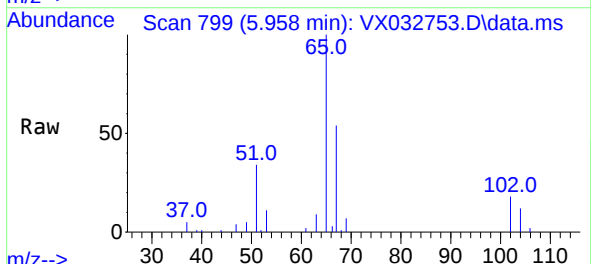
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1110WBL02

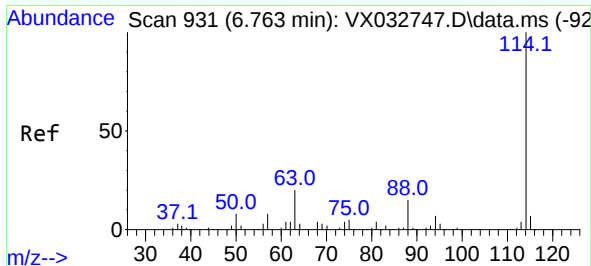
Tgt Ion: 59 Resp: 157  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#27  
1,2-Dichloroethane-d4  
Concen: 30.140 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Tgt Ion: 65 Resp: 32345  
Ion Ratio Lower Upper  
65 100  
67 49.9 41.8 62.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032753.D

Acq: 11 Nov 2022 04:04

Instrument :

MSVOA\_X

ClientSampleId :

VX1110WBL02

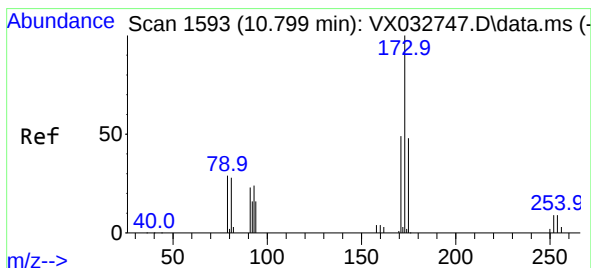
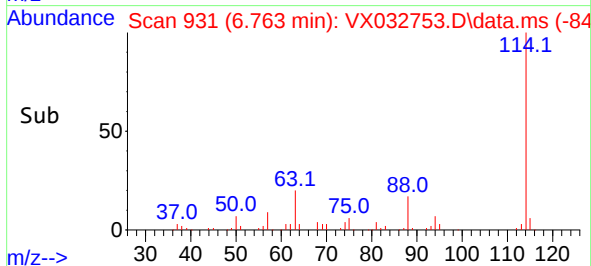
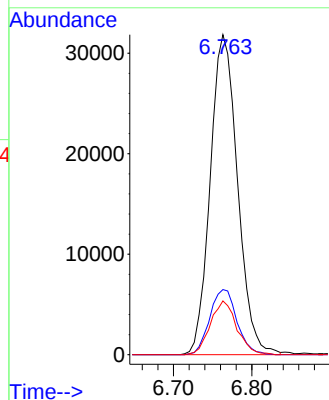
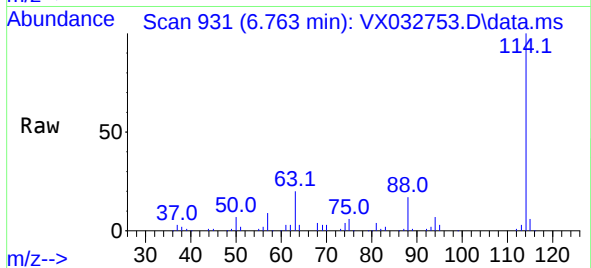
Tgt Ion:114 Resp: 77275

Ion Ratio Lower Upper

114 100

63 20.2 13.6 20.4

88 16.3 11.8 17.6



#56

Bromoform

Concen: 0.405 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX032753.D

Acq: 11 Nov 2022 04:04

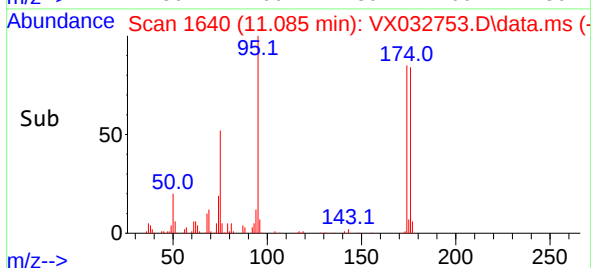
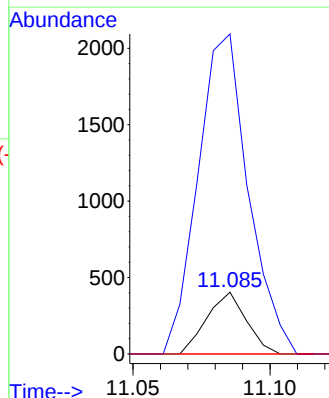
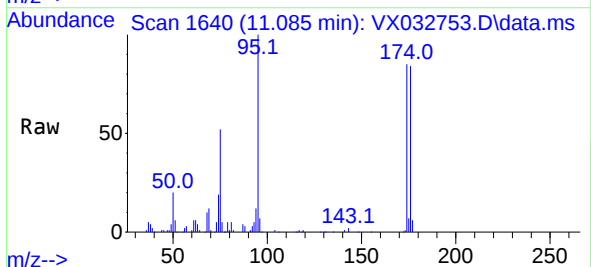
Tgt Ion:173 Resp: 405

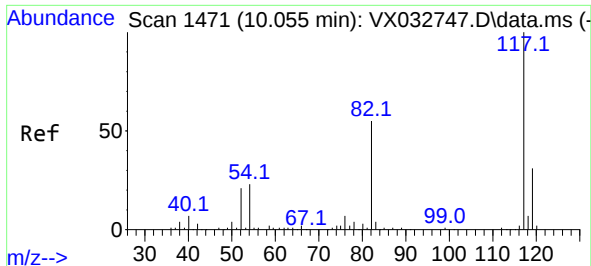
Ion Ratio Lower Upper

173 100

175 661.7 38.6 58.0#

254 0.0 6.8 10.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032753.D

Acq: 11 Nov 2022 04:04

Instrument :

MSVOA\_X

ClientSampleId :

VX1110WBL02

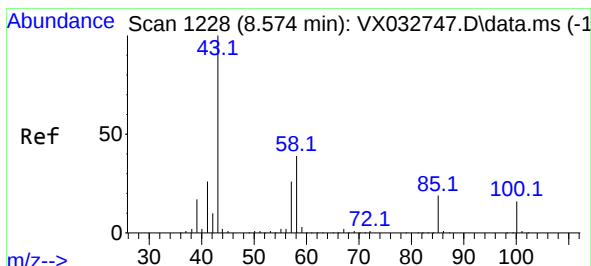
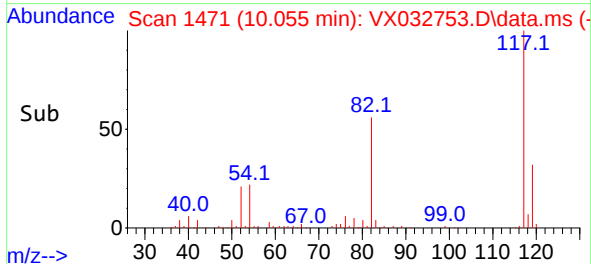
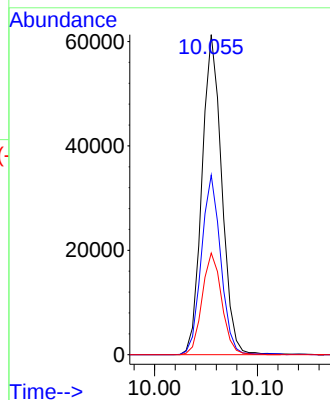
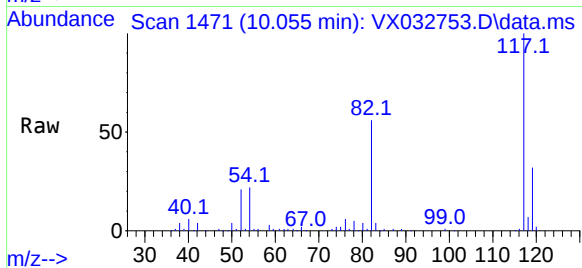
Tgt Ion:117 Resp: 82185

Ion Ratio Lower Upper

117 100

82 54.8 40.0 60.0

119 31.5 26.0 39.0



#58

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX032753.D

Acq: 11 Nov 2022 04:04

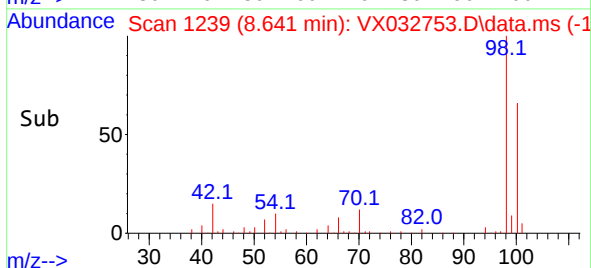
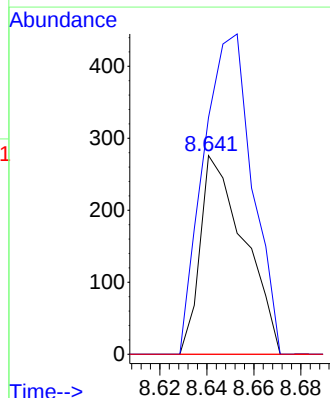
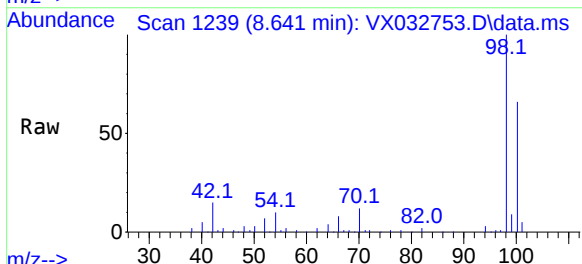
Tgt Ion: 43 Resp: 360

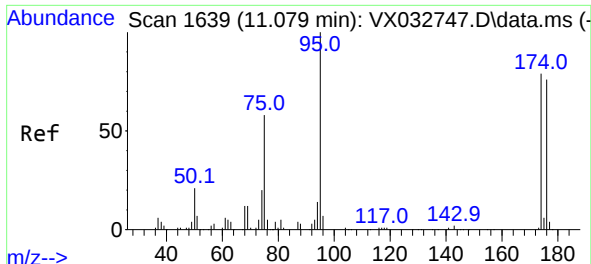
Ion Ratio Lower Upper

43 100

58 178.9 34.9 52.3#

85 0.0 19.4 29.2#

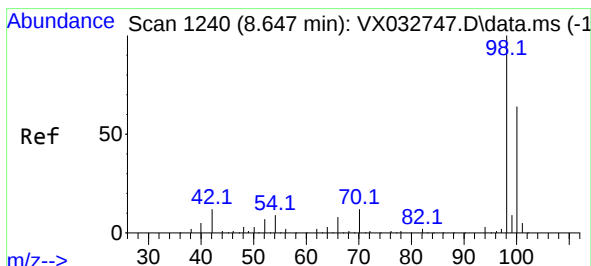
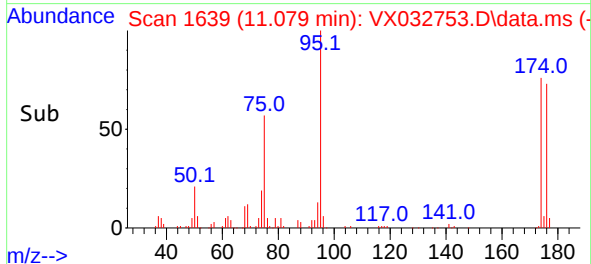
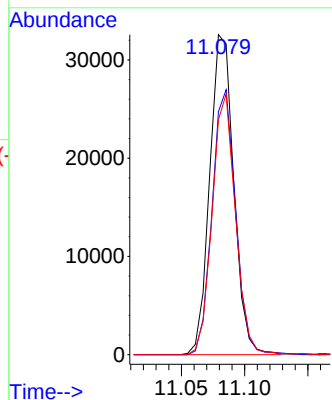
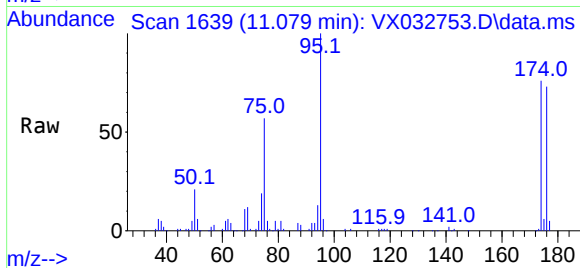




#60  
4-Bromofluorobenzene  
Concen: 27.341 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

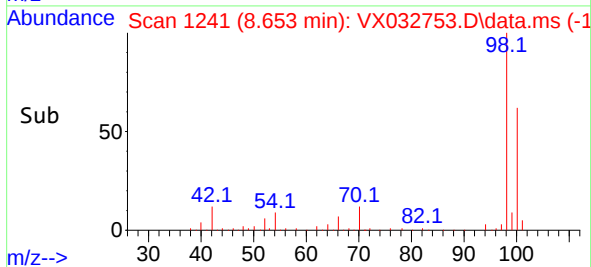
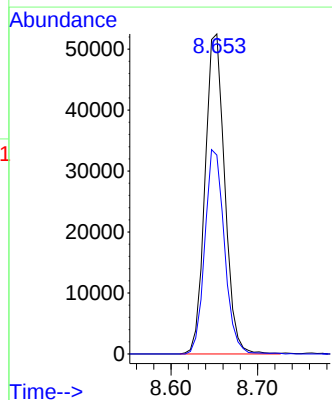
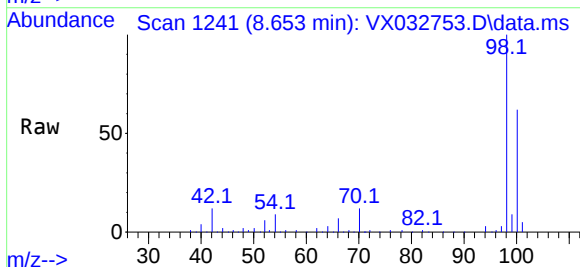
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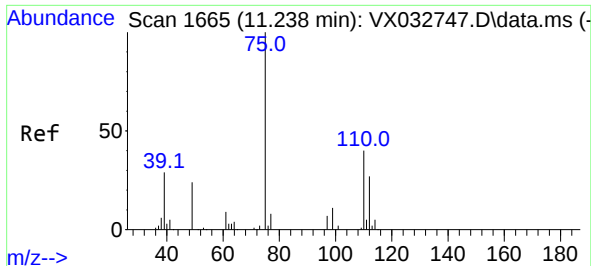
Tgt Ion: 95 Resp: 42982  
Ion Ratio Lower Upper  
95 100  
174 81.3 68.2 102.2  
176 79.0 68.1 102.1



#63  
Toluene-d8  
Concen: 29.819 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Tgt Ion: 98 Resp: 82704  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.8 80.8

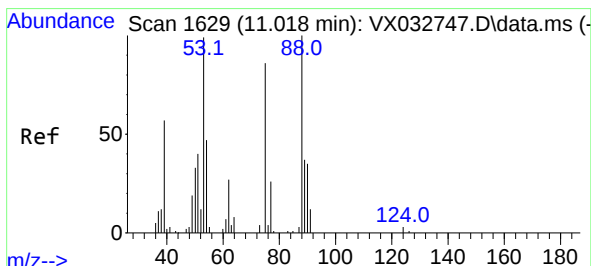
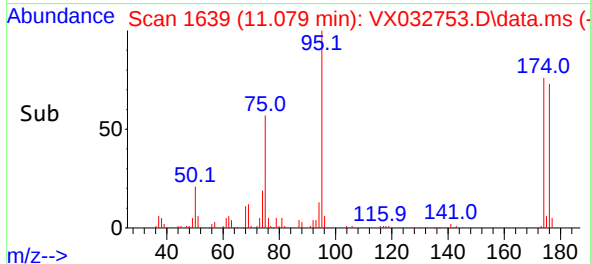
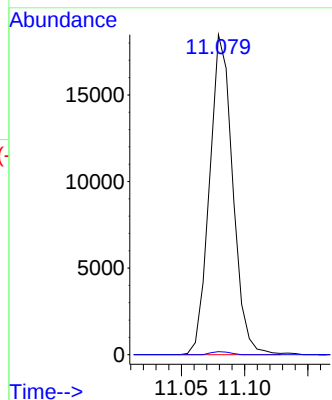
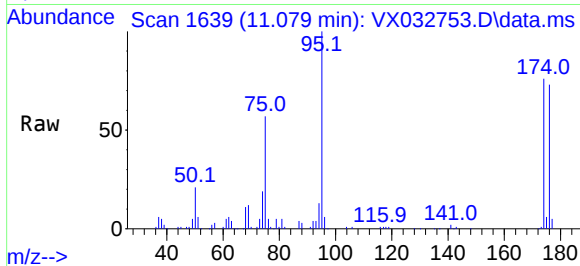




#72  
1,2,3-Trichloropropane  
Concen: 14.642 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1110WBL02

Tgt Ion: 75 Resp: 23575  
Ion Ratio Lower Upper  
75 100  
77 0.8 0.0 76.6



#77  
t-1,4-Dichloro-2-butene  
Concen: 47.983 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032753.D  
Acq: 11 Nov 2022 04:04

Tgt Ion: 75 Resp: 23575  
Ion Ratio Lower Upper  
75 100  
53 0.0 51.8 155.4#  
89 0.0 22.9 68.8#

