

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
 Data File : VX033042.D  
 Acq On : 24 Nov 2022 06:27  
 Operator : JC/MD  
 Sample : N5741-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-34

Quant Time: Nov 25 06:37:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 Response via : Initial Calibration

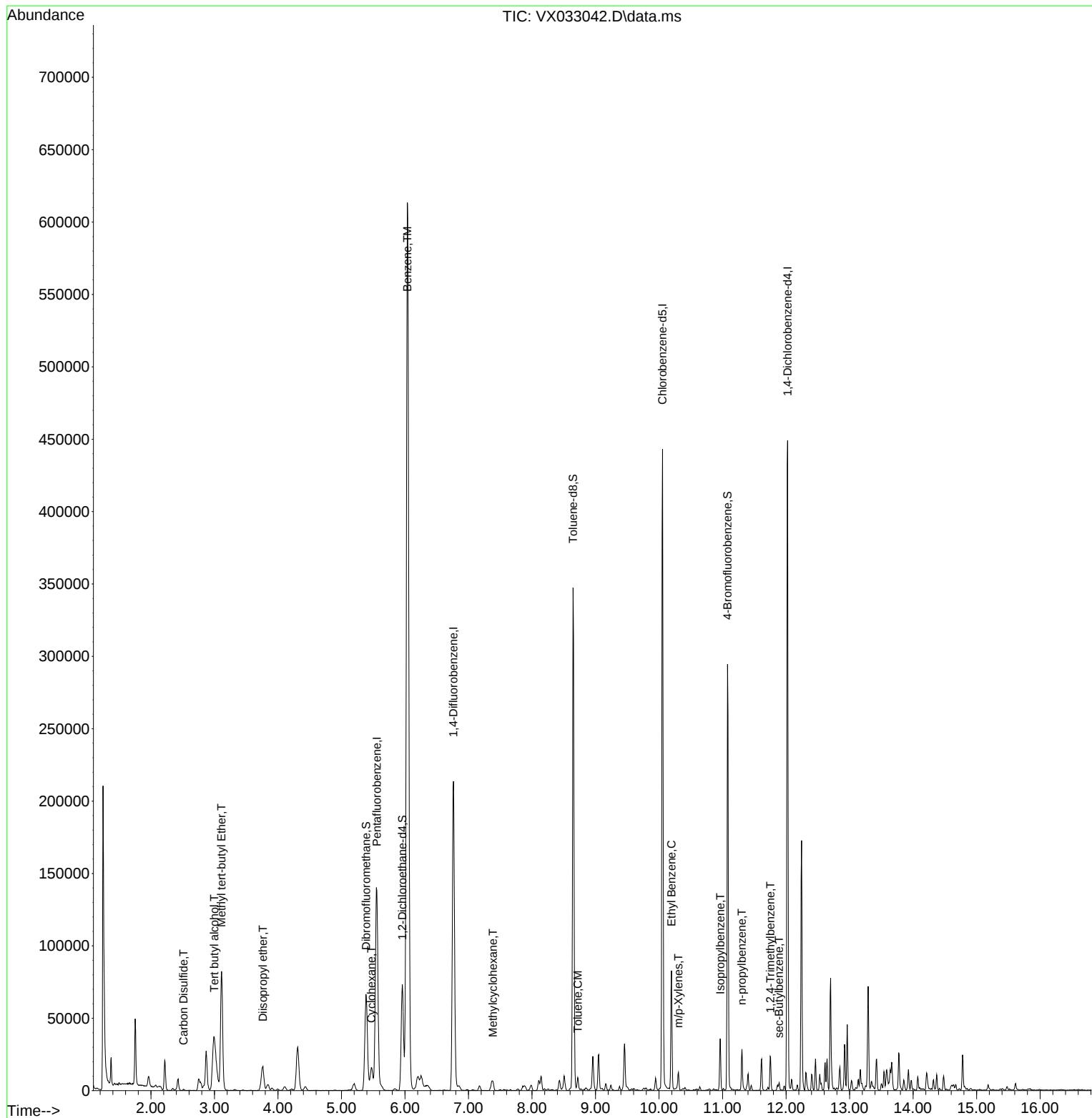
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 132425   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 216556   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 194364   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 93734    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 73589    | 57.329   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 114.660% |          |
| 35) Dibromofluoromethane    | 5.385  | 113   | 57383    | 47.002   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 94.000%  |          |
| 50) Toluene-d8              | 8.647  | 98    | 201985   | 55.212   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 110.420% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 74604    | 46.519   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 93.040%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol      | 2.995  | 59    | 78013    | 381.612  | ug/l       | 99       |
| 17) Carbon Disulfide        | 2.514  | 76    | 961      | 0.301    | ug/l       | 95       |
| 19) Methyl tert-butyl Ether | 3.111  | 73    | 86247    | 21.520   | ug/l       | 94       |
| 22) Diisopropyl ether       | 3.764  | 45    | 16285    | 4.009    | ug/l #     | 85       |
| 31) Cyclohexane             | 5.471  | 56    | 10651    | 5.097    | ug/l       | 93       |
| 39) Methylcyclohexane       | 7.385  | 83    | 3035     | 1.363    | ug/l #     | 89       |
| 40) Benzene                 | 6.037  | 78    | 736636   | 134.588  | ug/l       | 100      |
| 52) Toluene                 | 8.720  | 92    | 2882     | 0.800    | ug/l       | 99       |
| 67) Ethyl Benzene           | 10.195 | 91    | 46222    | 6.724    | ug/l       | 98       |
| 68) m/p-Xylenes             | 10.305 | 106   | 2884     | 1.071    | ug/l       | 99       |
| 73) Isopropylbenzene        | 10.963 | 105   | 17871    | 2.668    | ug/l       | 100      |
| 78) n-propylbenzene         | 11.305 | 91    | 16692    | 2.180    | ug/l       | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 10440    | 1.861    | ug/l       | 94       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 2808     | 0.419    | ug/l       | 89       |
| -----                       |        |       |          |          |            |          |

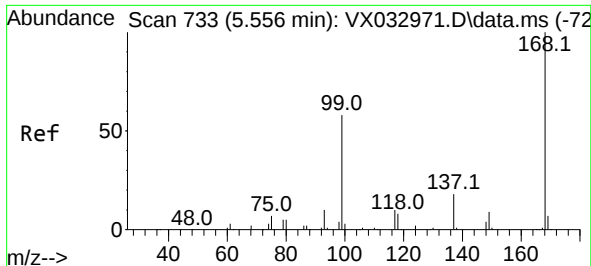
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 13:58:46 2022  
Response via : Initial Calibration

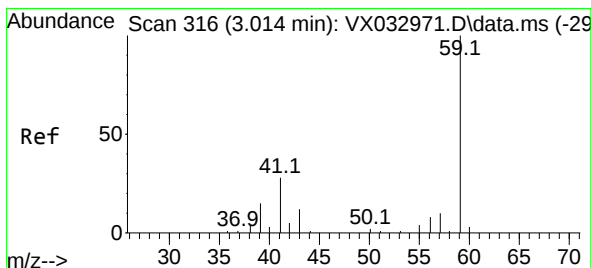
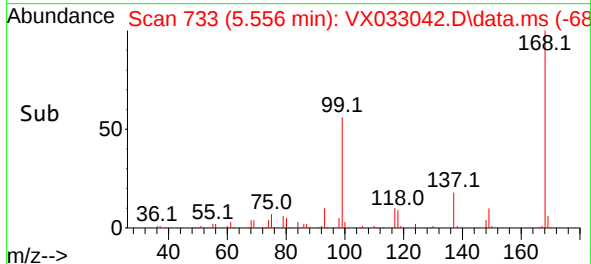
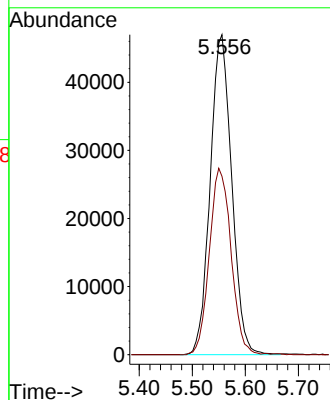
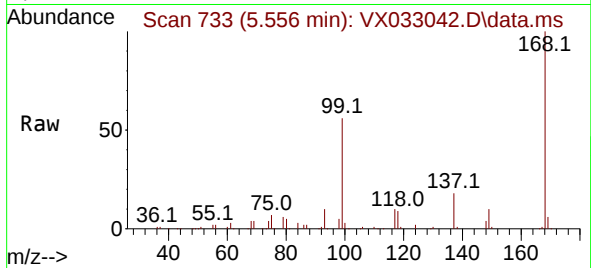




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

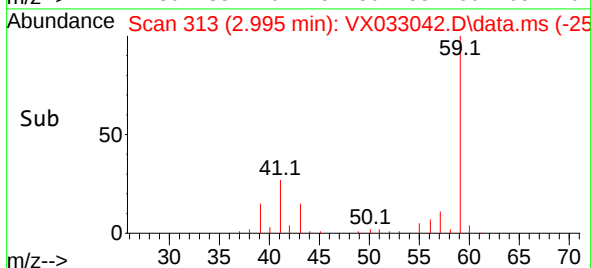
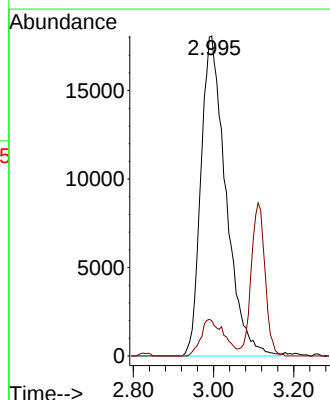
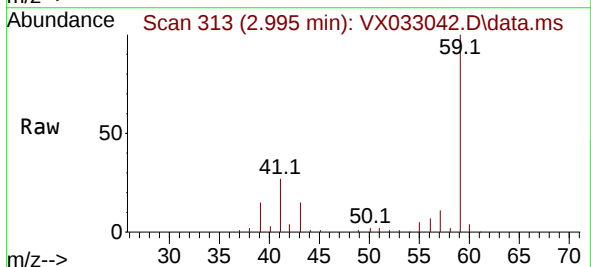
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

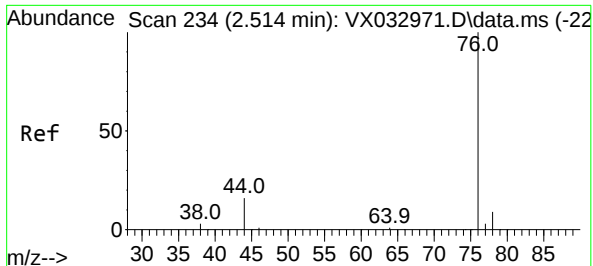
Tgt Ion:168 Resp: 132425  
Ion Ratio Lower Upper  
168 100  
99 55.8 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 381.612 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. 0.030 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

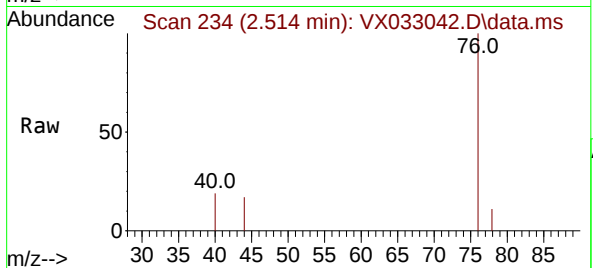
Tgt Ion: 59 Resp: 78013  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.2 12.4



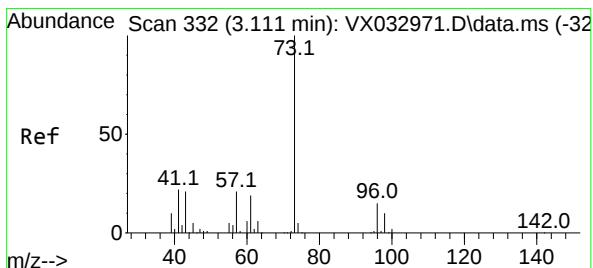
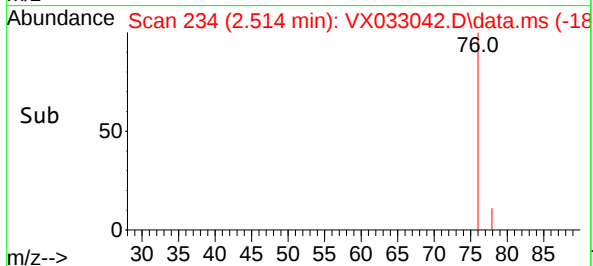
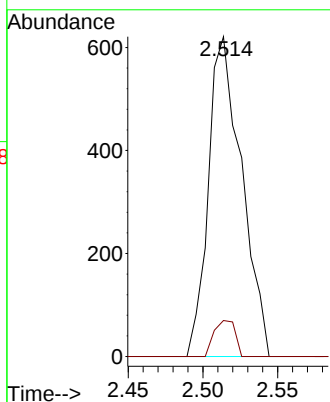


#17  
Carbon Disulfide  
Concen: 0.301 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

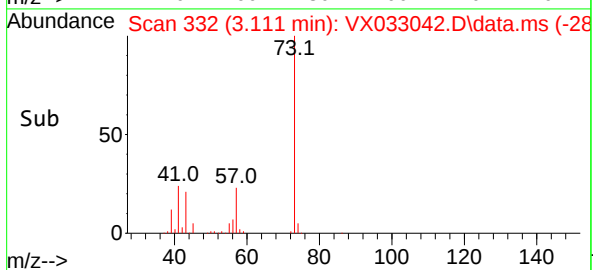
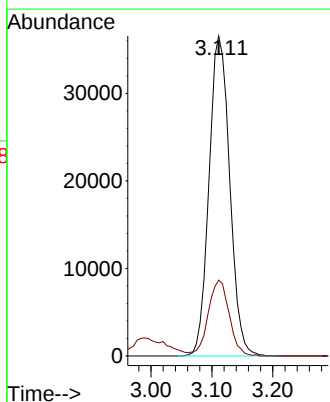
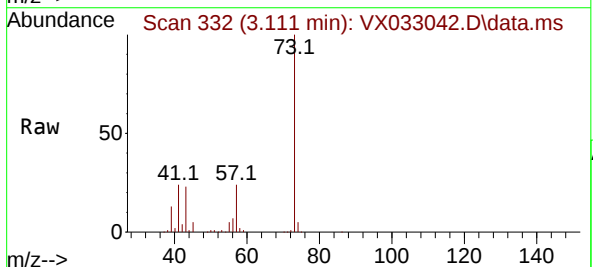


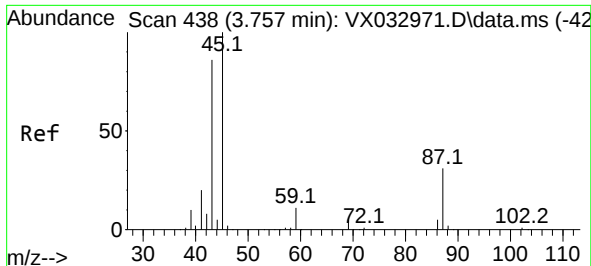
Tgt Ion: 76 Resp: 961  
Ion Ratio Lower Upper  
76 100  
78 11.3 7.5 11.3



#19  
Methyl tert-butyl Ether  
Concen: 21.520 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 73 Resp: 86247  
Ion Ratio Lower Upper  
73 100  
57 23.7 16.6 25.0

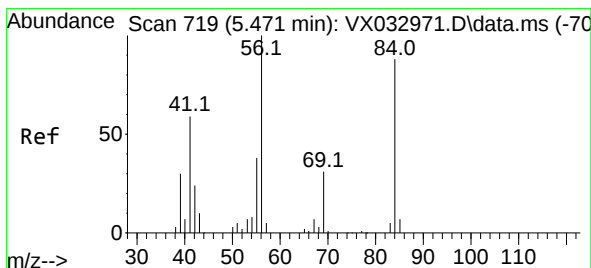
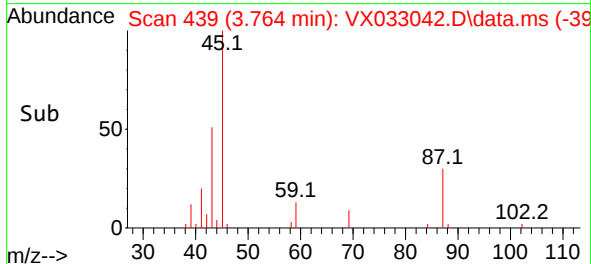
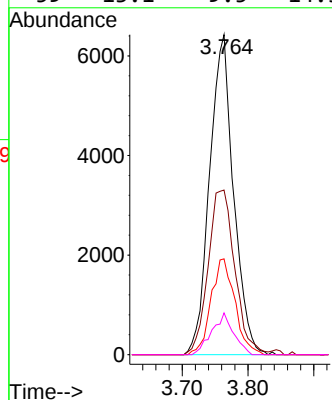
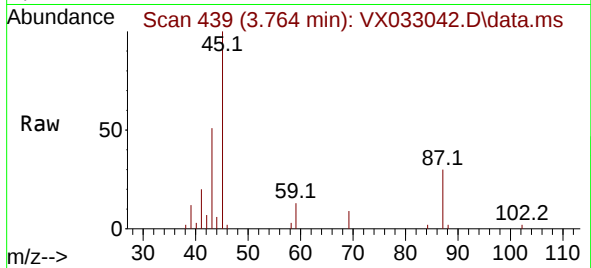




#22  
Diisopropyl ether  
Concen: 4.009 ug/l  
RT: 3.764 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

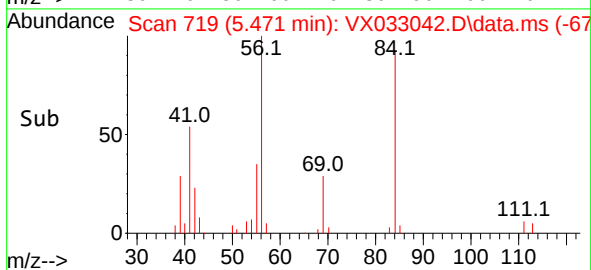
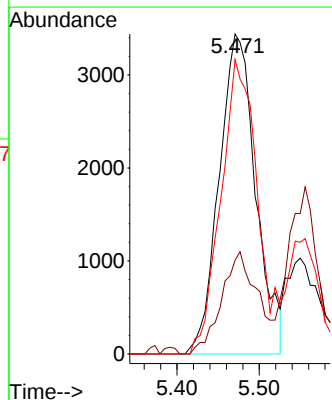
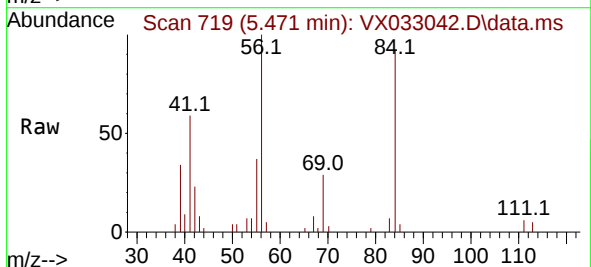
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

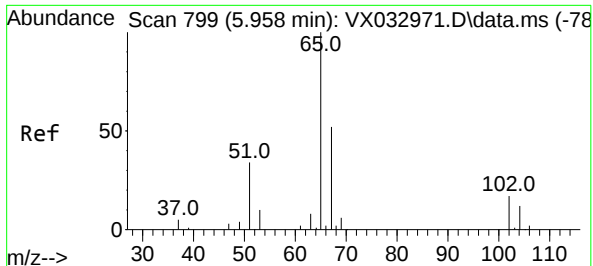
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 16285 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 51.5  | 56.4  | 84.6# |
| 87       | 29.9  | 24.4  | 36.6  |
| 59       | 13.1  | 9.5   | 14.3  |



#31  
Cyclohexane  
Concen: 5.097 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.001 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 10651 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 29.2  | 24.1  | 36.1  |
| 84       | 92.0  | 66.9  | 100.3 |





#33

1,2-Dichloroethane-d4

Concen: 57.329 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033042.D

Acq: 24 Nov 2022 06:27

Instrument :

MSVOA\_X

ClientSampleId :

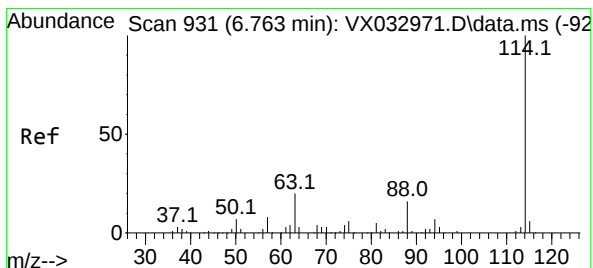
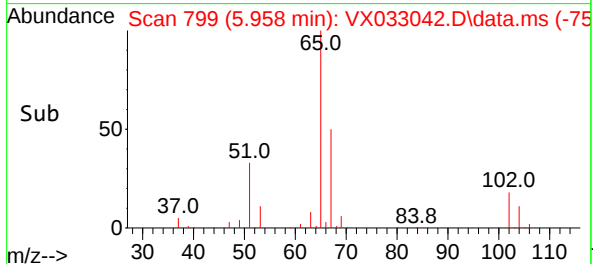
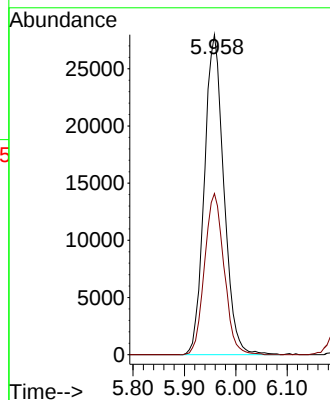
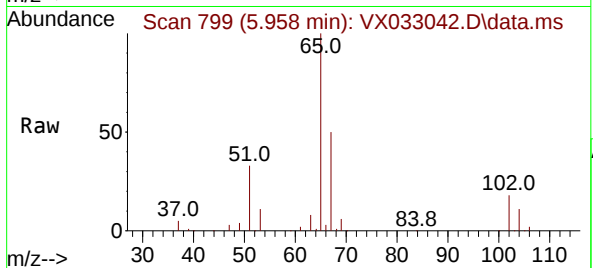
MW-34

Tgt Ion: 65 Resp: 73589

Ion Ratio Lower Upper

65 100

67 50.5 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: VX033042.D

Acq: 24 Nov 2022 06:27

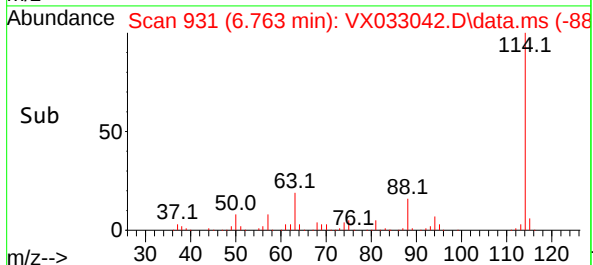
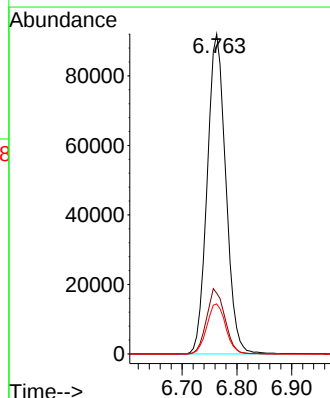
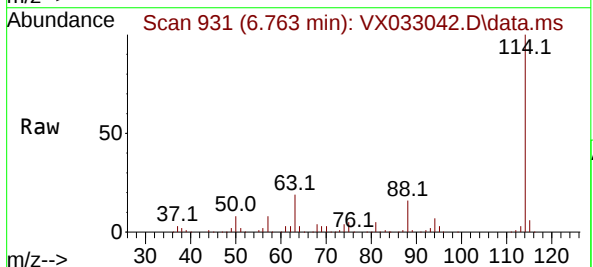
Tgt Ion: 114 Resp: 216556

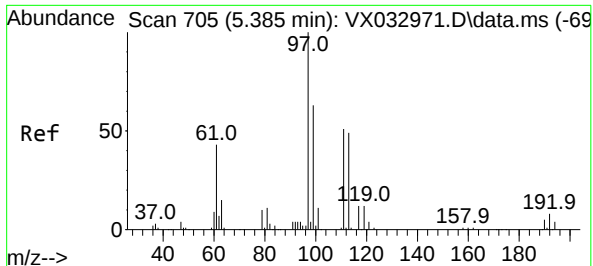
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.7 0.0 33.4

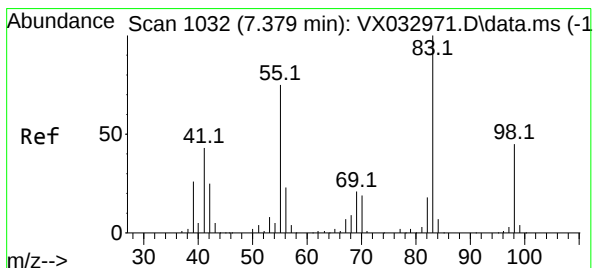
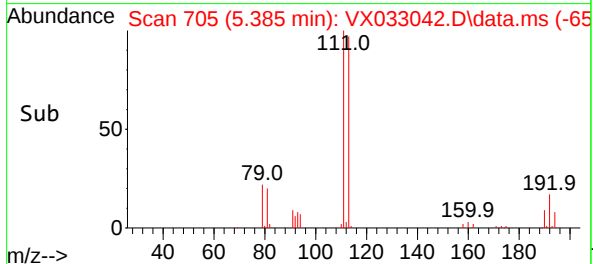
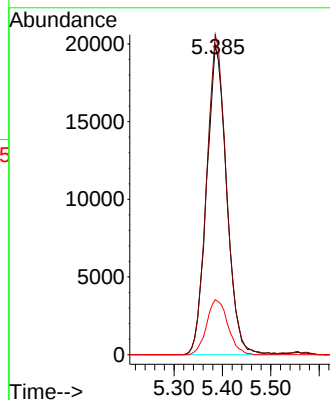
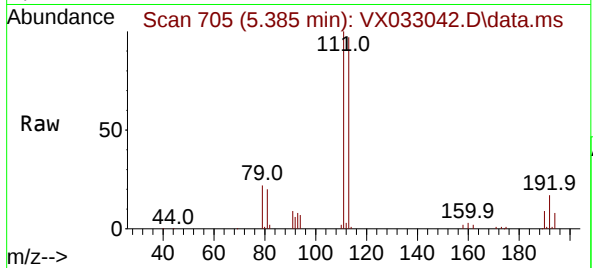




#35  
Dibromofluoromethane  
Concen: 47.002 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

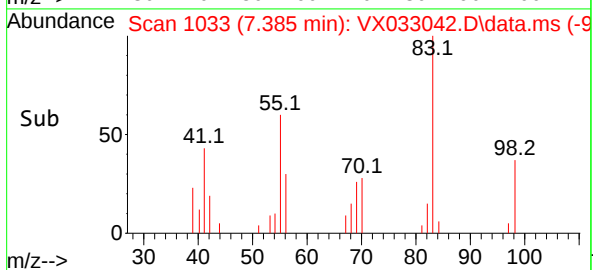
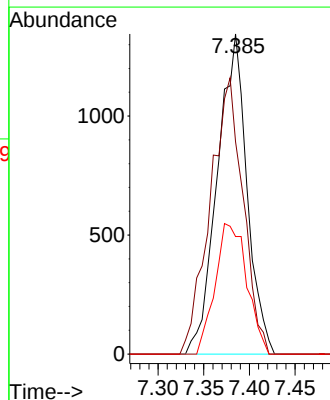
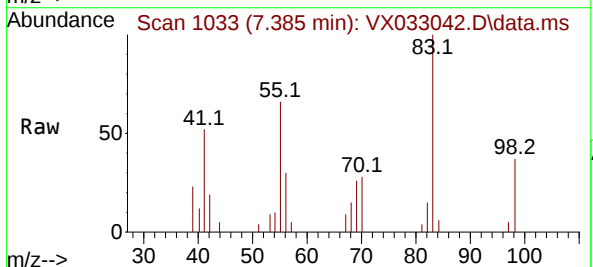
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

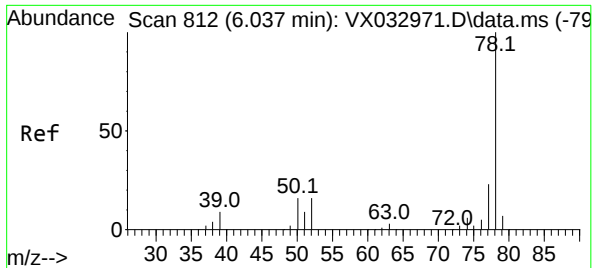
Tgt Ion:113 Resp: 57383  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.4 123.6  
192 18.8 15.4 23.2



#39  
Methylcyclohexane  
Concen: 1.363 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. -0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 83 Resp: 3035  
Ion Ratio Lower Upper  
83 100  
55 66.3 58.4 87.6  
98 36.7 37.2 55.8#

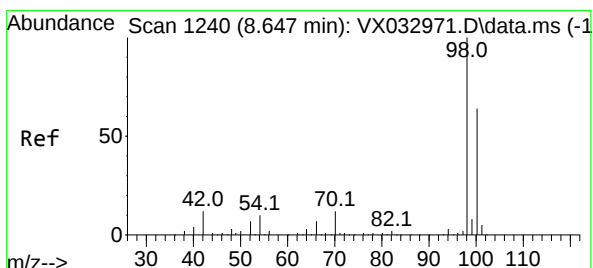
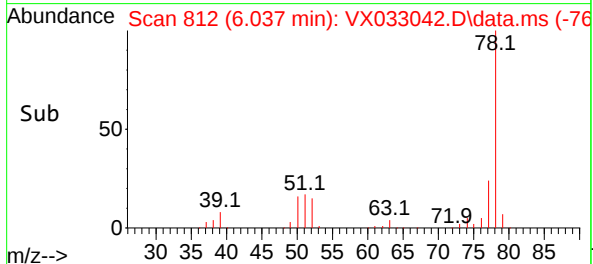
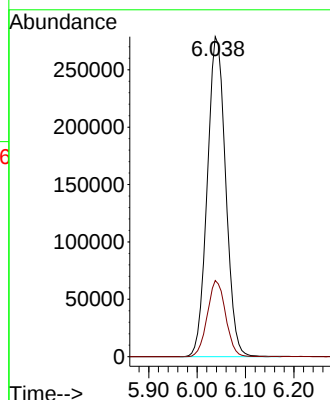
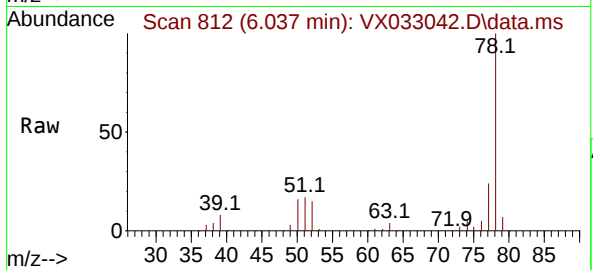




#40  
Benzene  
Concen: 134.588 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

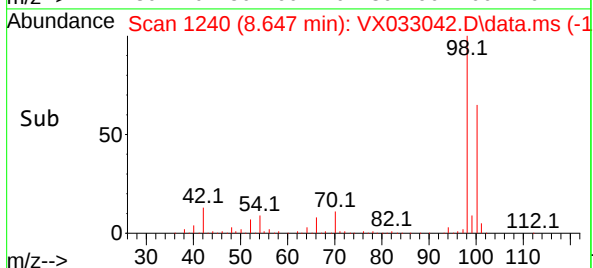
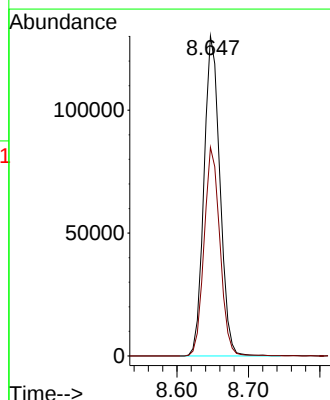
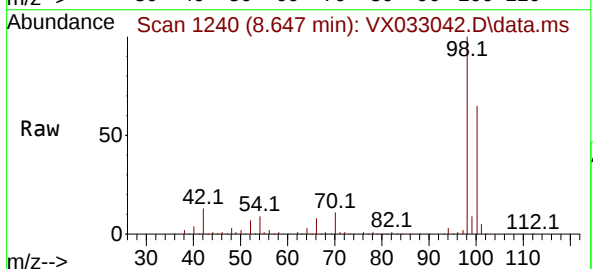
Instrument :  
MSVOA\_X  
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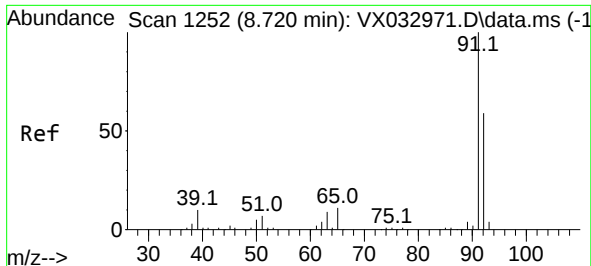
Tgt Ion: 78 Resp: 736636  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.0 28.4



#50  
Toluene-d8  
Concen: 55.212 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 98 Resp: 201985  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.9 76.3

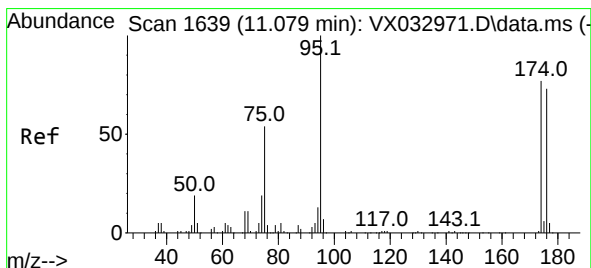
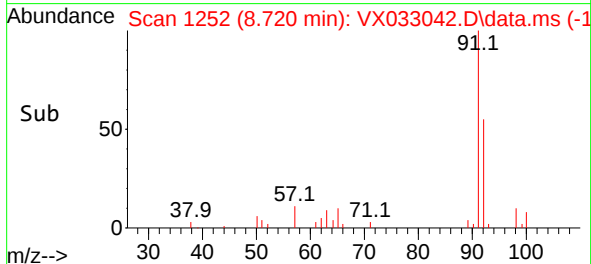
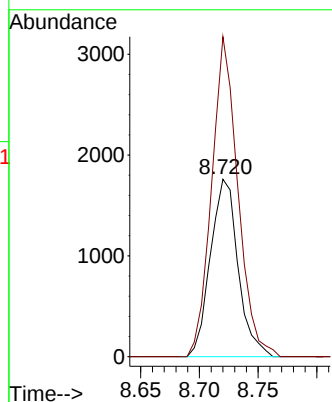
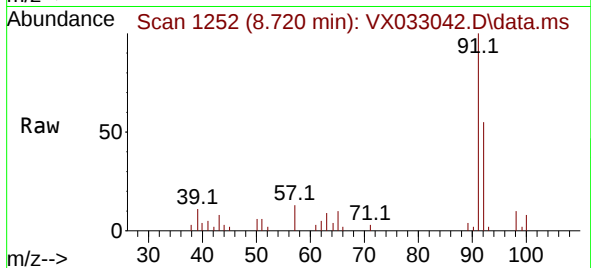




#52  
Toluene  
Concen: 0.800 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

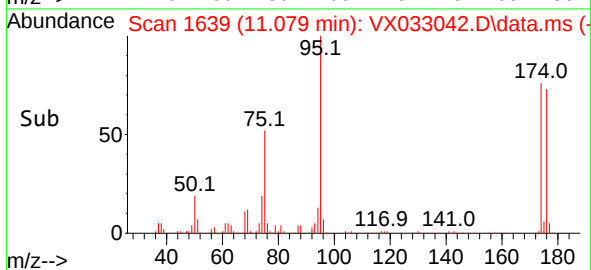
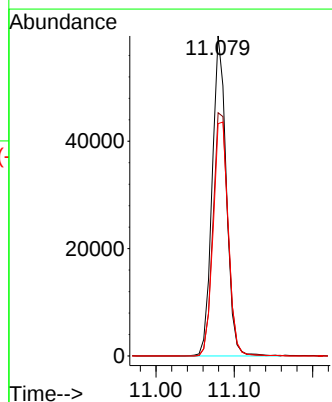
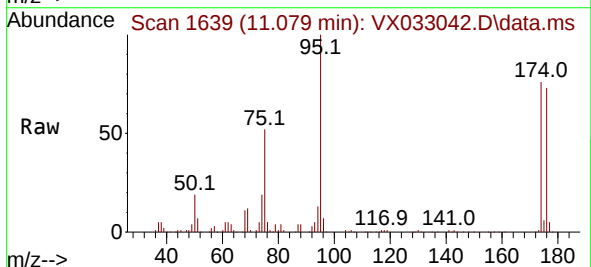
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

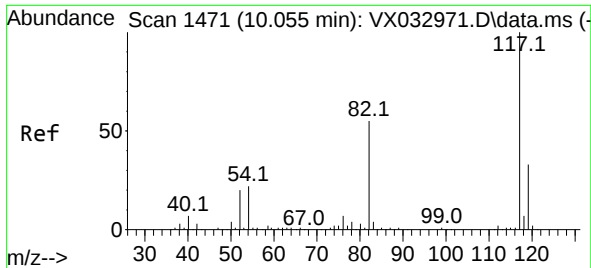
Tgt Ion: 92 Resp: 2882  
Ion Ratio Lower Upper  
92 100  
91 171.2 138.3 207.5



#62  
4-Bromofluorobenzene  
Concen: 46.519 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 95 Resp: 74604  
Ion Ratio Lower Upper  
95 100  
174 80.6 0.0 164.0  
176 78.5 0.0 154.4

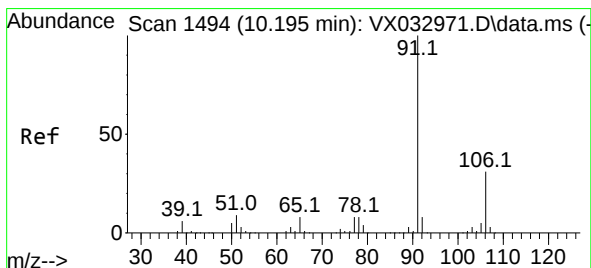
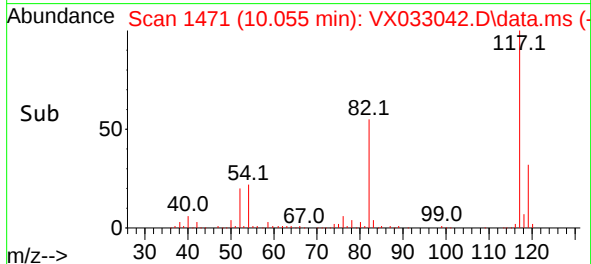
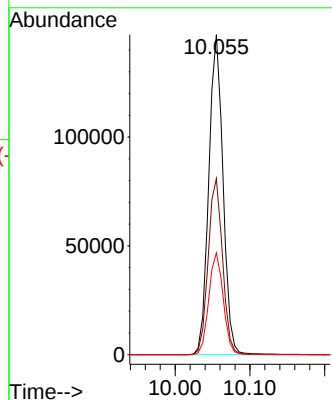
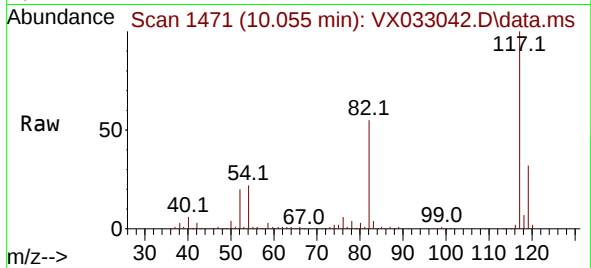




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

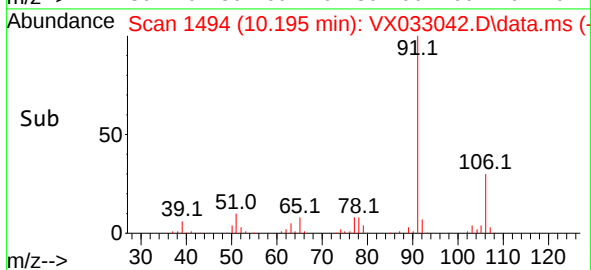
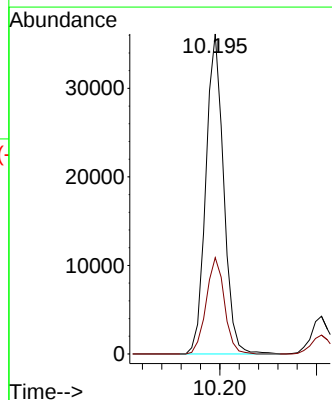
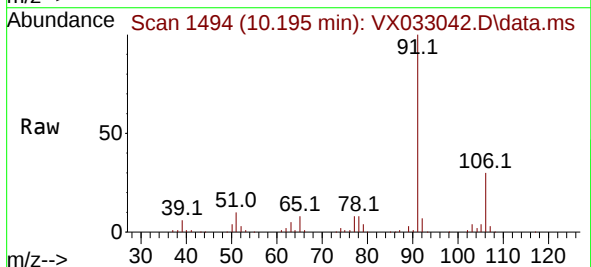
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

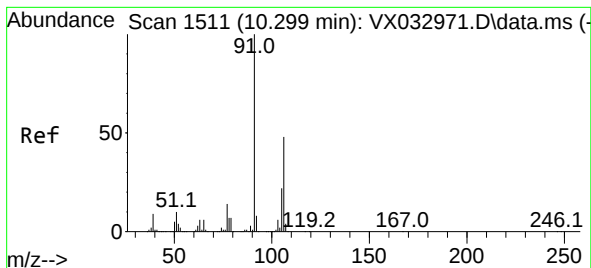
Tgt Ion:117 Resp: 194364  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.3 66.5  
119 31.8 25.7 38.5



#67  
Ethyl Benzene  
Concen: 6.724 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 91 Resp: 46222  
Ion Ratio Lower Upper  
91 100  
106 30.1 25.0 37.6

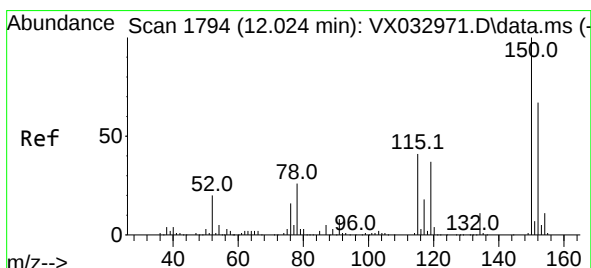
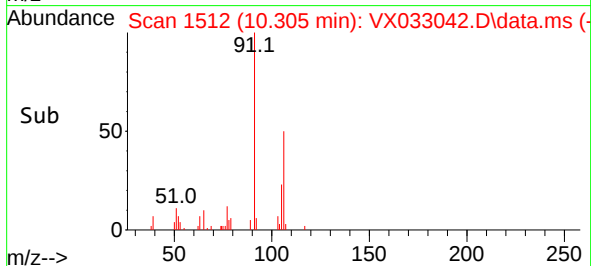
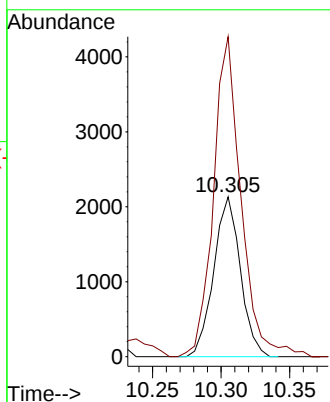
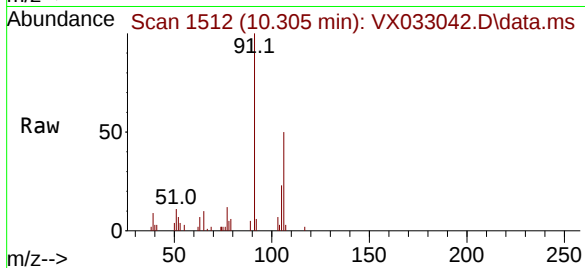




#68  
m/p-Xylenes  
Concen: 1.071 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

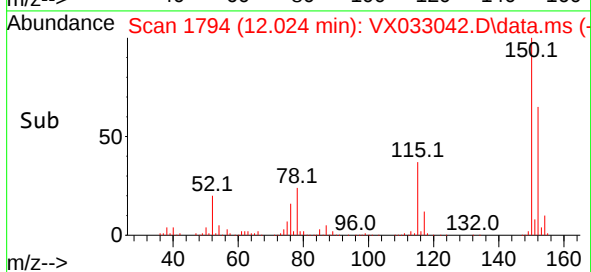
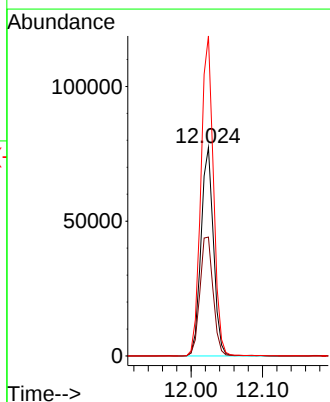
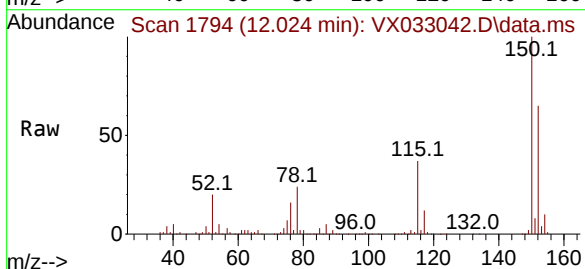
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

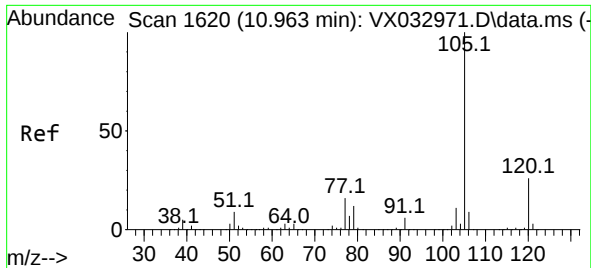
Tgt Ion:106 Resp: 2884  
Ion Ratio Lower Upper  
106 100  
91 207.0 164.5 246.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion:152 Resp: 93734  
Ion Ratio Lower Upper  
152 100  
115 60.5 44.0 132.0  
150 154.9 0.0 351.8

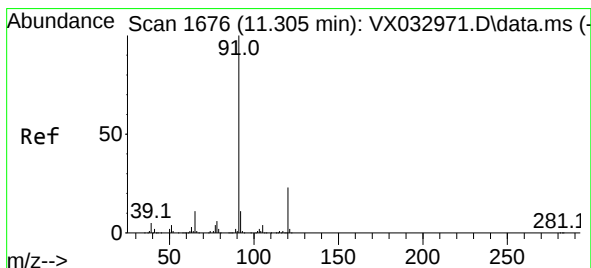
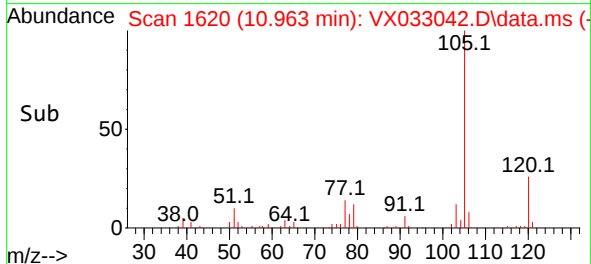
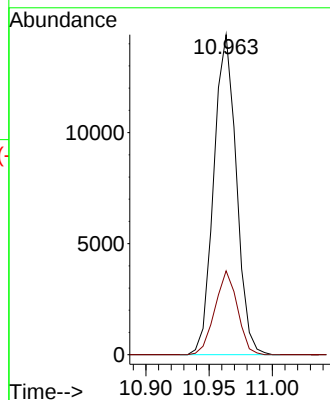
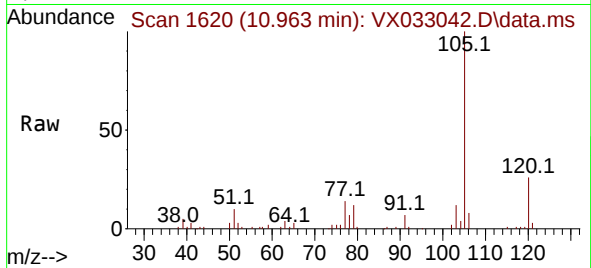




#73  
Isopropylbenzene  
Concen: 2.668 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

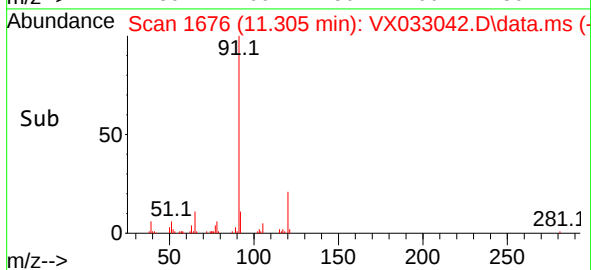
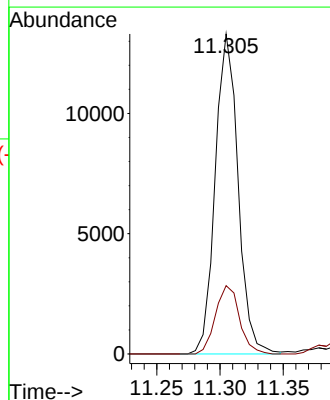
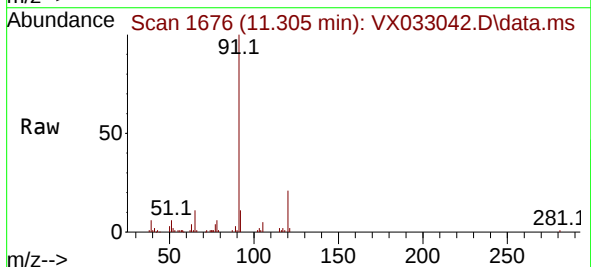
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

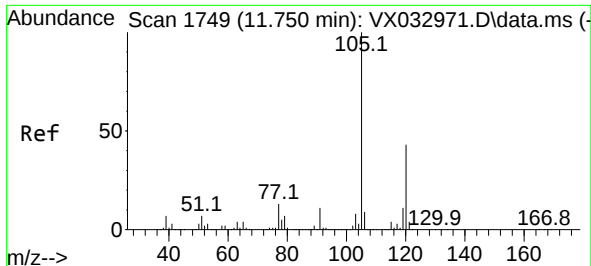
Tgt Ion:105 Resp: 17871  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.1 39.3



#78  
n-propylbenzene  
Concen: 2.180 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion: 91 Resp: 16692  
Ion Ratio Lower Upper  
91 100  
120 22.4 11.6 34.8

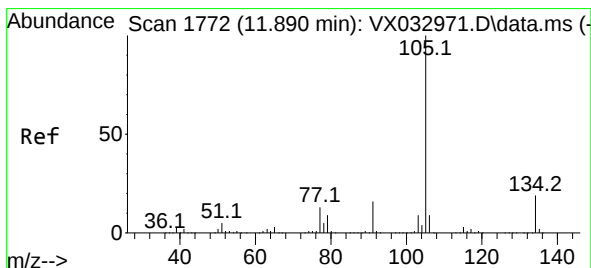
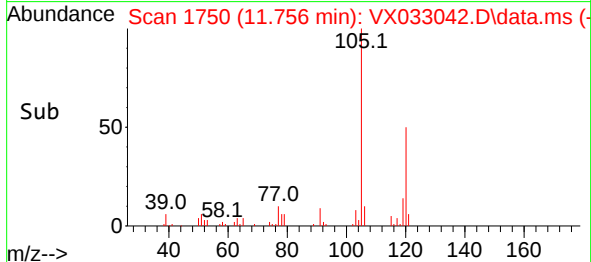
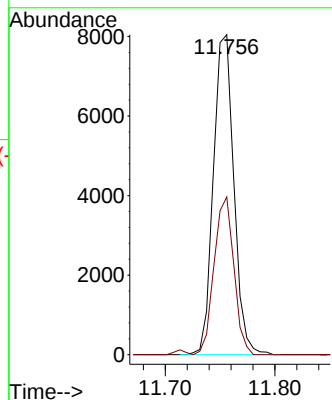
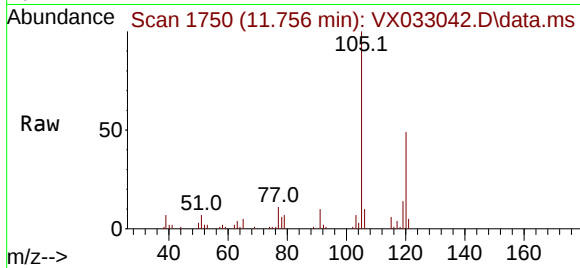




#84  
1,2,4-Trimethylbenzene  
Concen: 1.861 ug/l  
RT: 11.756 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-34

Tgt Ion:105 Resp: 10440  
Ion Ratio Lower Upper  
105 100  
120 47.6 21.9 65.5



#85  
sec-Butylbenzene  
Concen: 0.419 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX033042.D  
Acq: 24 Nov 2022 06:27

Tgt Ion:105 Resp: 2808  
Ion Ratio Lower Upper  
105 100  
134 14.9 9.9 29.7

