

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
 Data File : VX044485.D  
 Acq On : 23 Dec 2024 17:09  
 Operator : JC/MD  
 Sample : P5317-21 40X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D6-20241217

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 12/26/2024  
 Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:13:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 144075     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 249365     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 221444     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 102248     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 104514     | 41.374   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 82.740%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 82534      | 47.788   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.580%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 310298     | 53.255   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 106.500% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 102247     | 50.220   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 100.440% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 1168       | 0.664    | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 625        | 0.387    | ug/l # | 84       |
| 16) Acetone                  | 2.392          | 43   | 547        | 0.531    | ug/l # | 81       |
| 17) Carbon Disulfide         | 2.501          | 76   | 1291       | 0.421    | ug/l   | 98       |
| 44) Trichloroethene          | 7.123          | 130  | 67143      | 39.722   | ug/l   | 92       |
| 64) Tetrachloroethene        | 9.268          | 164  | 428        | 0.291    | ug/l # | 76       |
| 88) 1,4-Dichlorobenzene      | 12.036         | 146  | 1120m      | 0.329    | ug/l   |          |
| 93) 1,2,4-Trichlorobenzene   | 13.597         | 180  | 560        | 0.297    | ug/l   | 92       |
| 95) Naphthalene              | 13.780         | 128  | 2946       | 0.400    | ug/l   | 95       |
| 96) 1,2,3-Trichlorobenzene   | 13.969         | 180  | 720        | 0.360    | ug/l   | 96       |
| -----                        |                |      |            |          |        |          |

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

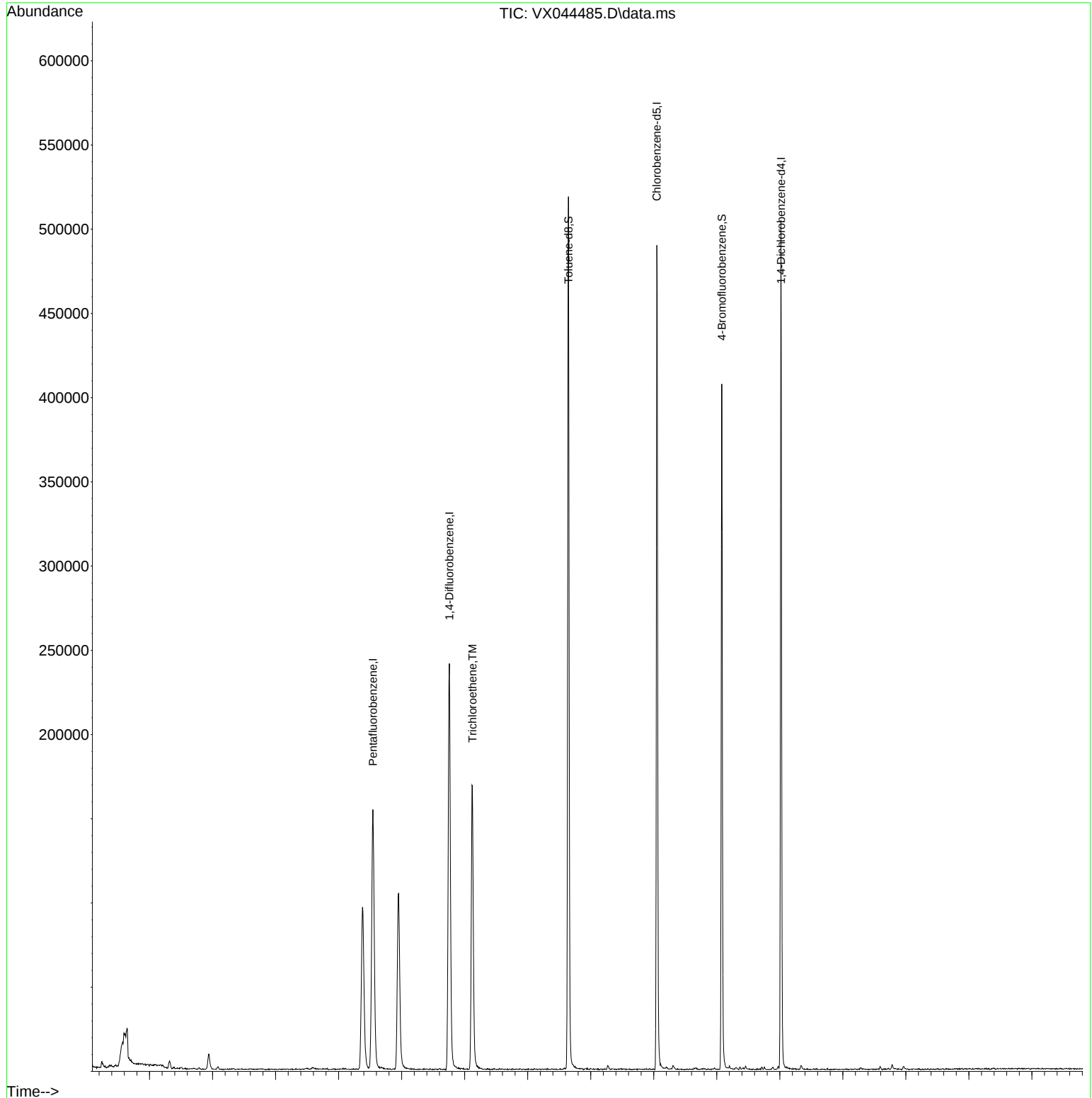
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
Data File : VX044485.D  
Acq On : 23 Dec 2024 17:09  
Operator : JC/MD  
Sample : P5317-21 40X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

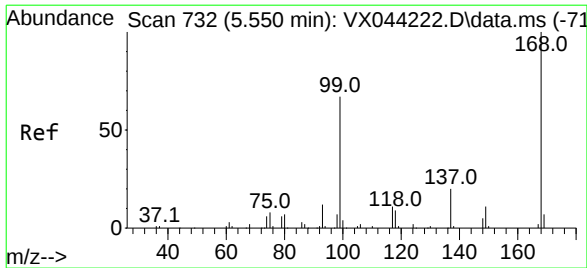
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217

Quant Time: Dec 23 22:13:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

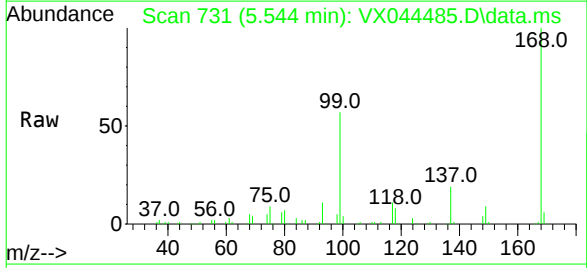
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

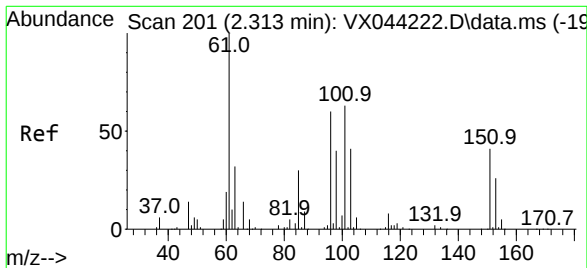
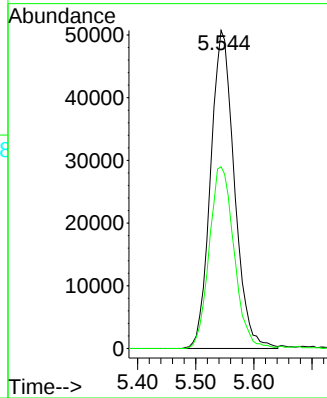
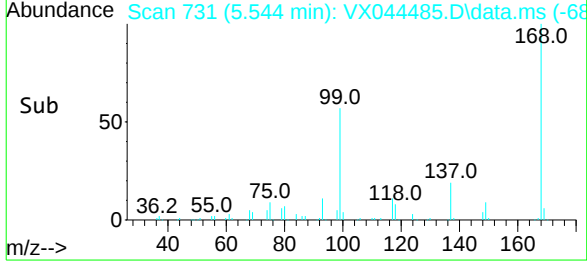
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



Tgt Ion:168 Resp: 144075  
Ion Ratio Lower Upper  
168 100  
99 57.1 53.4 80.0

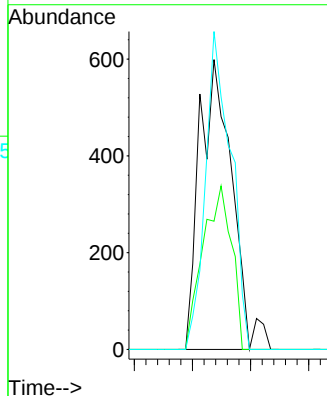
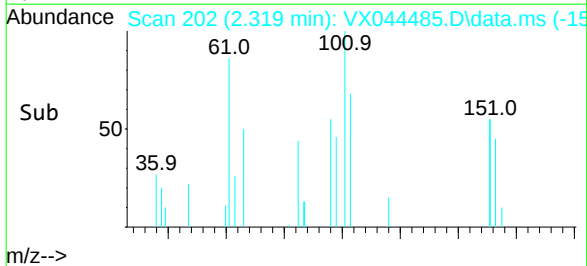
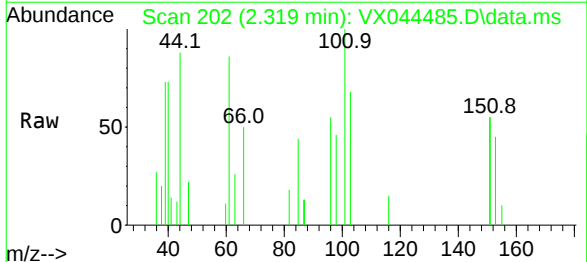
Manual Integrations  
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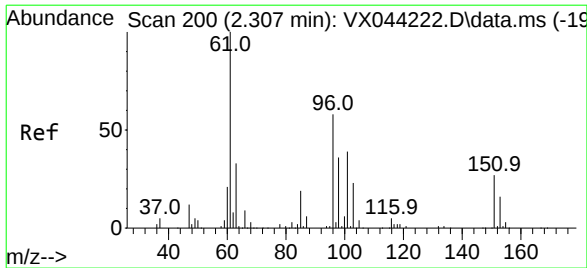
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.664 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.006 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

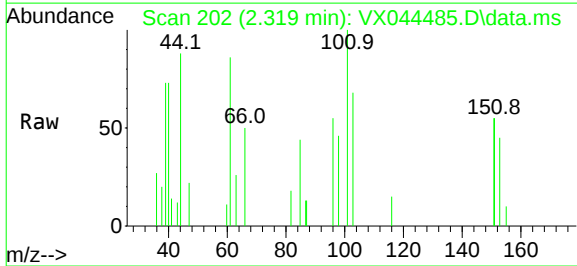
Tgt Ion:101 Resp: 1168  
Ion Ratio Lower Upper  
101 100  
85 49.7 38.5 57.7  
151 85.7 55.8 83.6#





#12  
1,1-Dichloroethene  
Concen: 0.387 ug/l  
RT: 2.319 min Scan# 200  
Delta R.T. 0.012 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

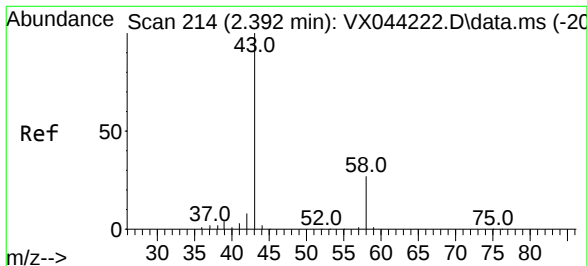
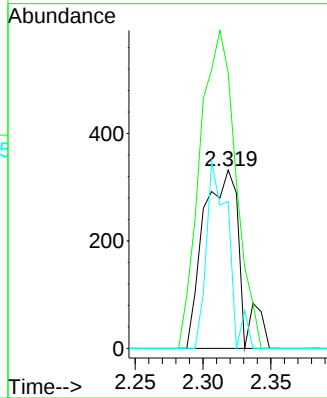
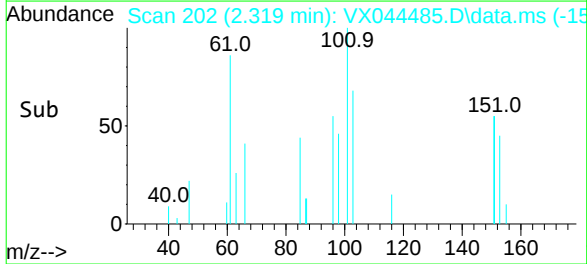
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



Tgt Ion: 96 Resp: 625  
Ion Ratio Lower Upper  
96 100  
61 154.8 138.0 207.0  
98 82.2 50.0 75.0#

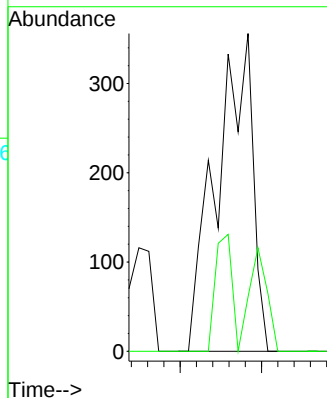
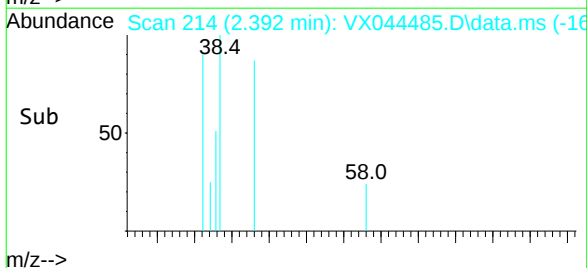
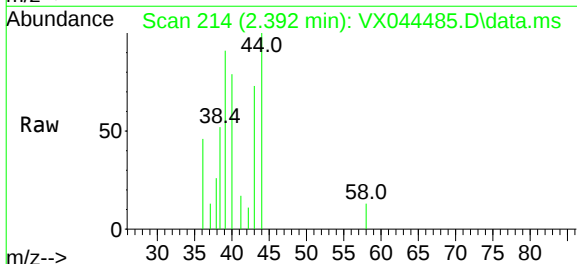
Manual Integrations  
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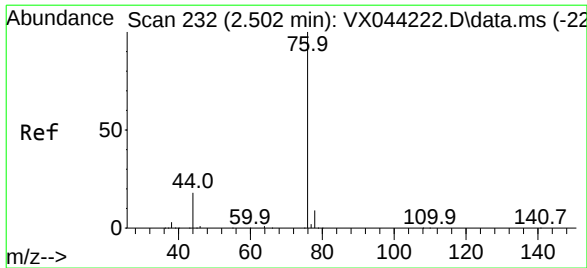
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024



#16  
Acetone  
Concen: 0.531 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

Tgt Ion: 43 Resp: 547  
Ion Ratio Lower Upper  
43 100  
58 17.1 21.6 32.4#





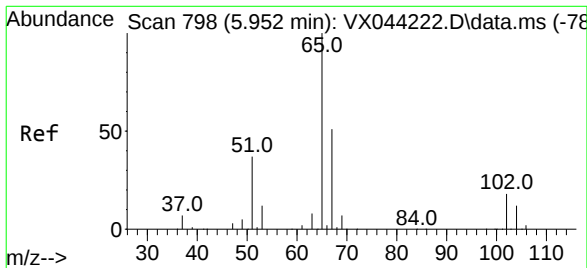
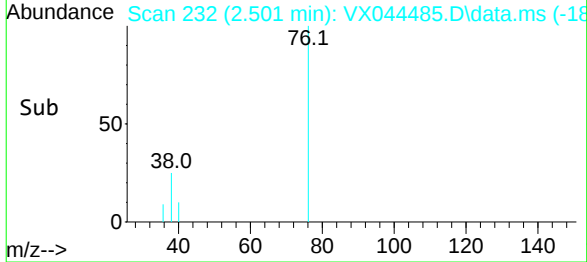
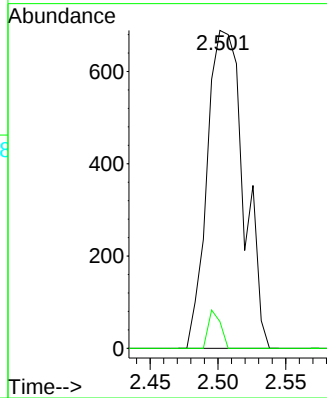
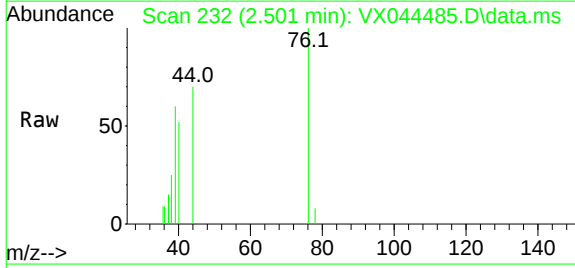
#17  
Carbon Disulfide  
Concen: 0.421 ug/l  
RT: 2.501 min Scan# 23  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217

Tgt Ion: 76 Resp: 1291  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.4 11.0

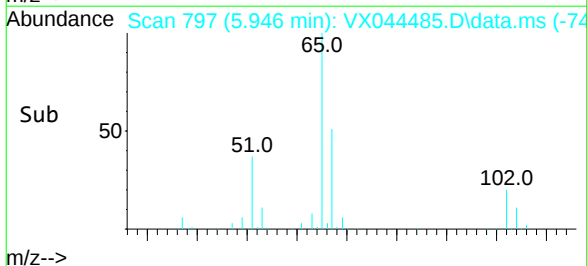
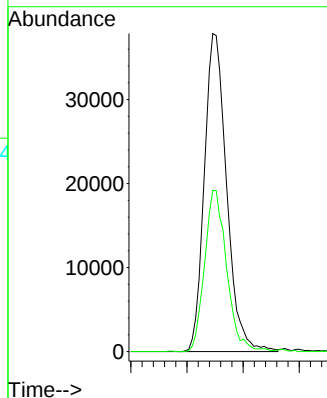
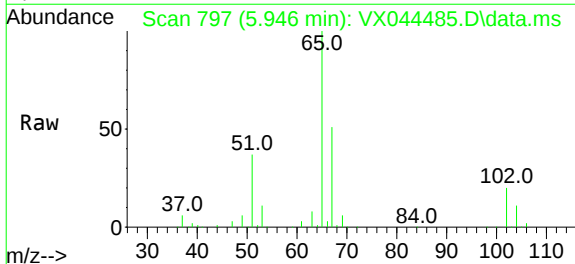
Manual Integrations  
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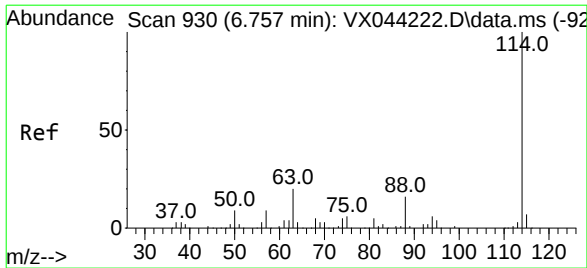
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024



#33  
1,2-Dichloroethane-d4  
Concen: 41.374 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

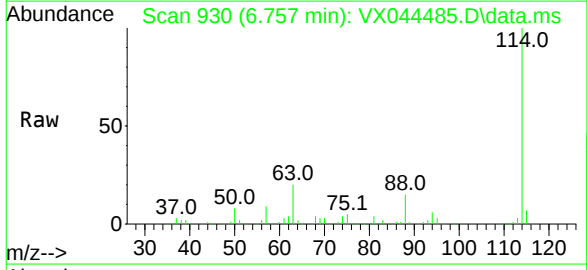
Tgt Ion: 65 Resp: 104514  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 101.6





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

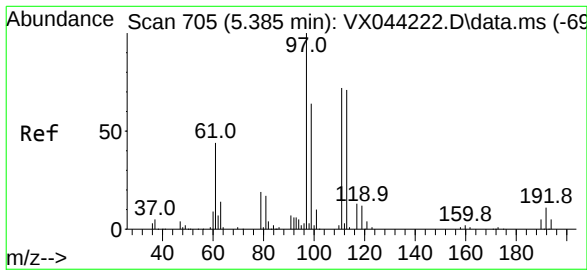
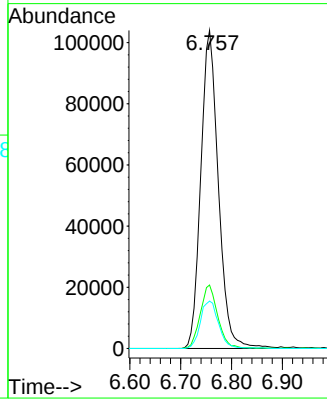
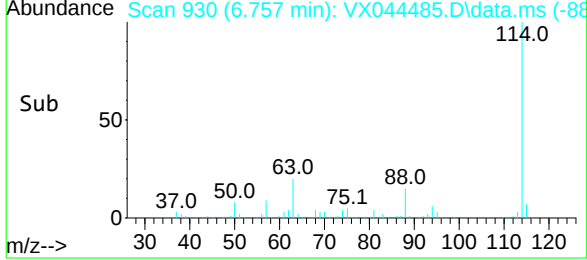
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



Tgt Ion:114 Resp: 249365  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 40.6  
88 14.9 0.0 31.8

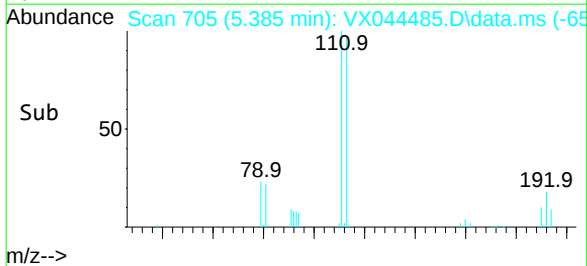
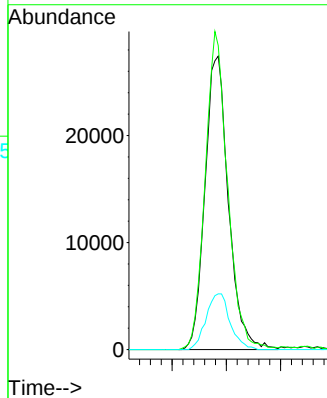
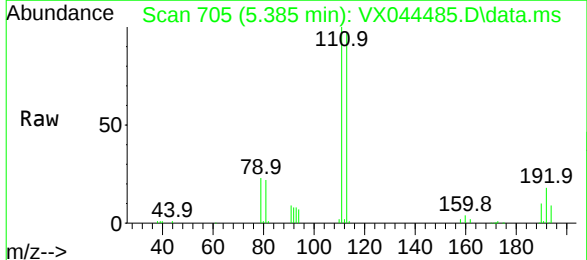
Manual Integrations  
APPROVED

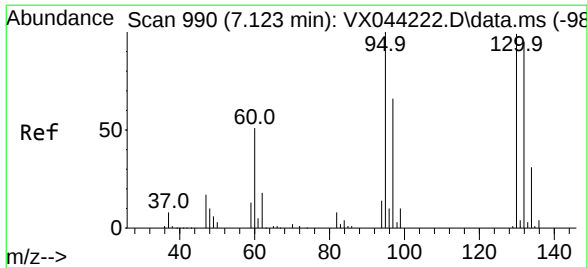
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024



#35  
Dibromofluoromethane  
Concen: 47.788 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

Tgt Ion:113 Resp: 82534  
Ion Ratio Lower Upper  
113 100  
111 103.3 80.4 120.6  
192 19.4 13.3 19.9





#44

Trichloroethene

Concen: 39.722 ug/l

RT: 7.123 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX044485.D

Acq: 23 Dec 2024 17:09

Instrument :

MSVOA\_X

ClientSampleId :

RE132D6-20241217

Tgt Ion:130 Resp: 67143

Ion Ratio Lower Upper

130 100

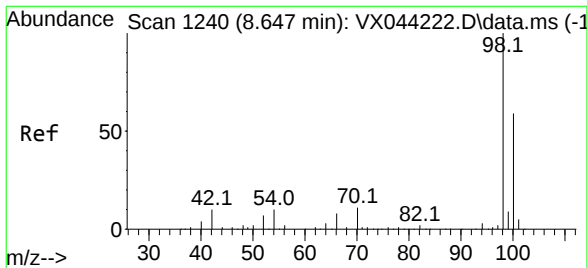
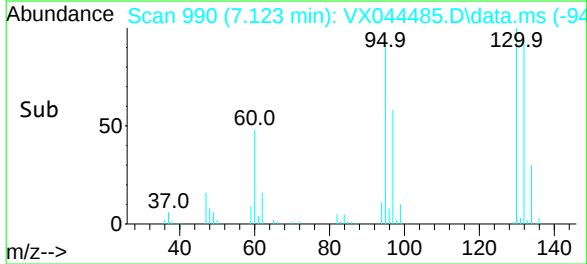
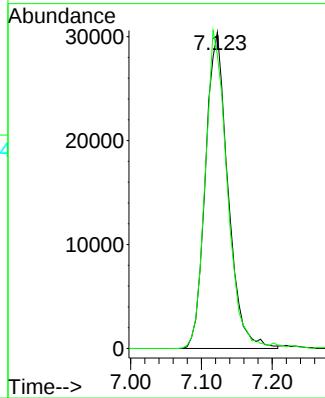
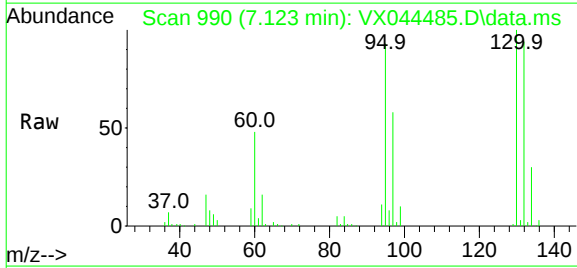
95 92.7 0.0 201.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/26/2024

Supervised By :Mahesh Dadoda 12/26/2024



#50

Toluene-d8

Concen: 53.255 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044485.D

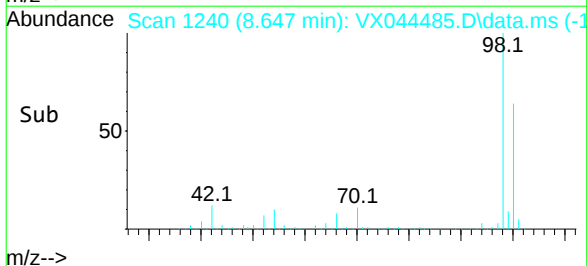
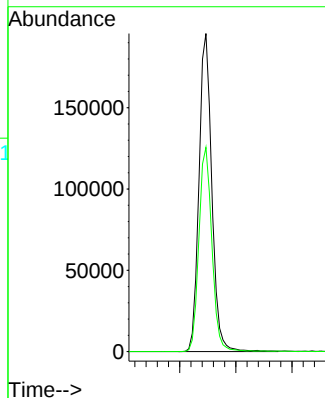
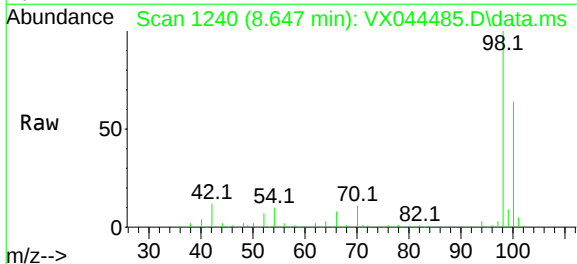
Acq: 23 Dec 2024 17:09

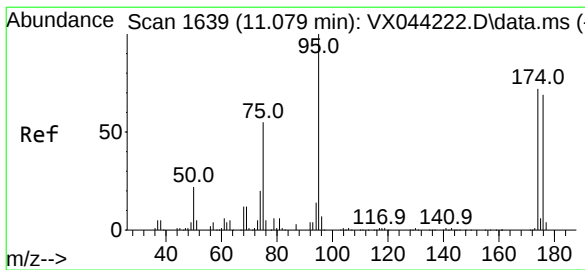
Tgt Ion: 98 Resp: 310298

Ion Ratio Lower Upper

98 100

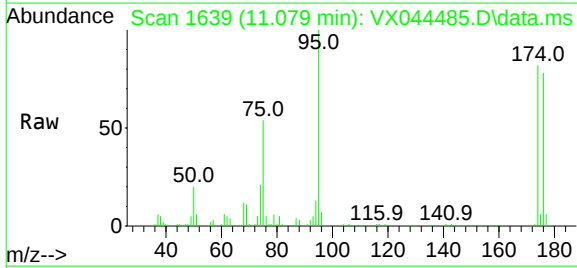
100 65.1 51.5 77.3





#62  
4-Bromofluorobenzene  
Concen: 50.220 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

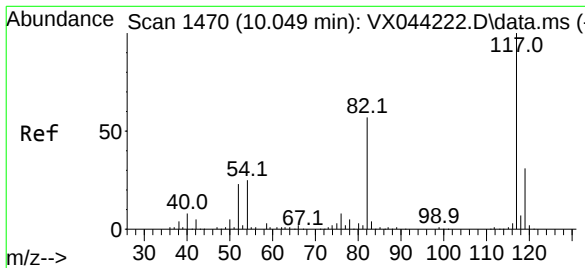
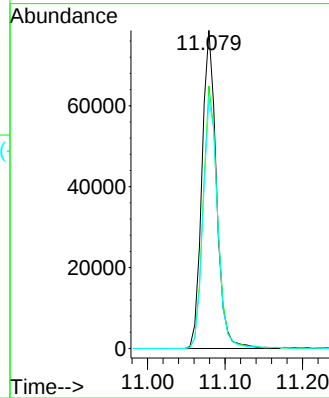
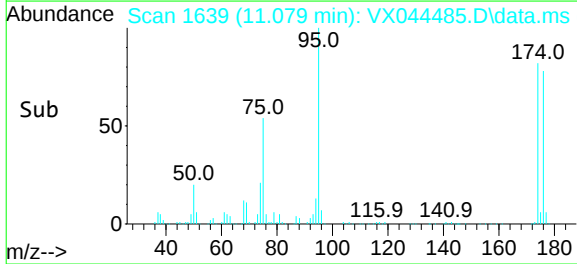
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



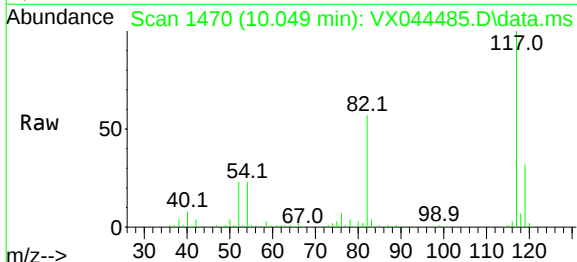
Tgt Ion: 95 Resp: 102247  
Ion Ratio Lower Upper  
95 100  
174 82.3 0.0 145.8  
176 79.5 0.0 137.8

Manual Integrations  
APPROVED

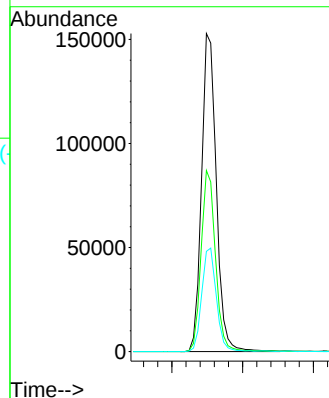
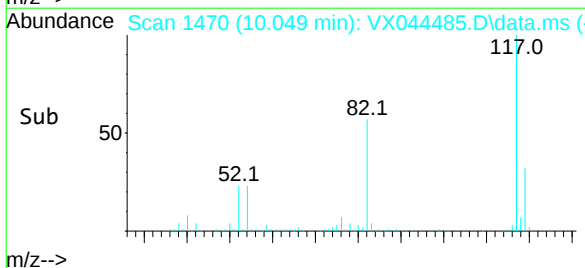
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024

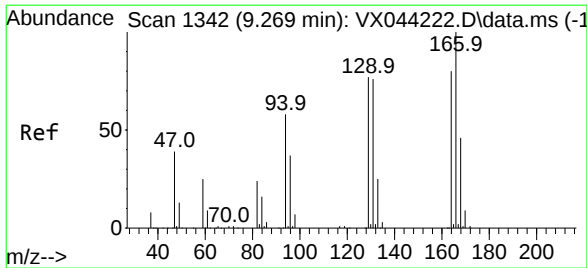


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09



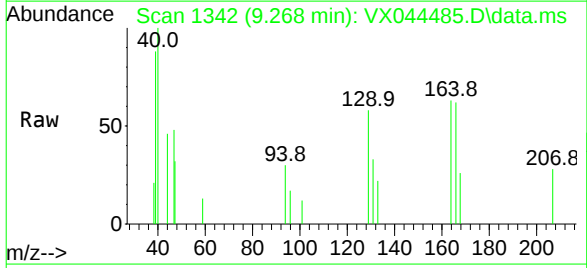
Tgt Ion:117 Resp: 221444  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.8 68.8  
119 31.5 25.0 37.4





#64  
Tetrachloroethene  
Concen: 0.291 ug/l  
RT: 9.268 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

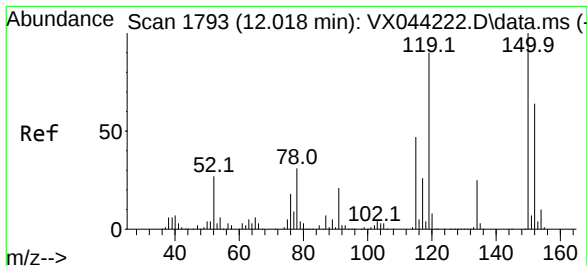
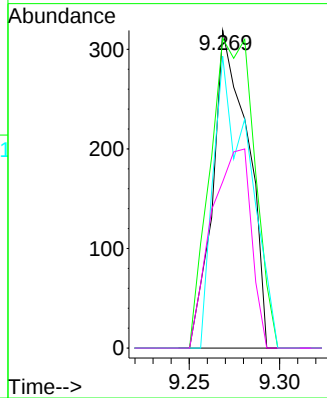
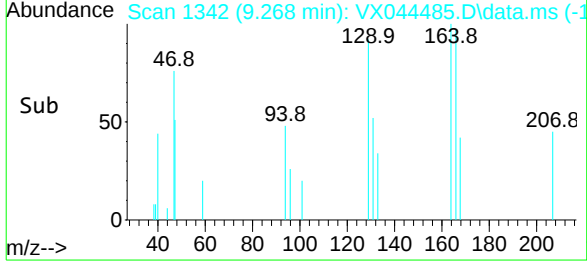
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



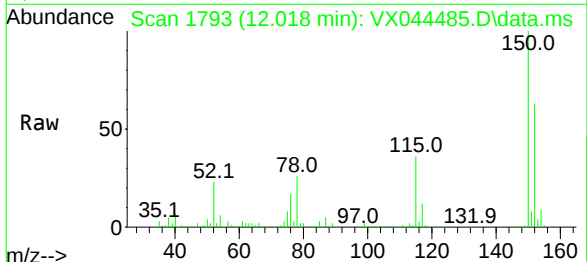
Tgt Ion:164 Resp: 428  
Ion Ratio Lower Upper  
164 100  
166 97.5 100.4 150.6#  
129 91.8 77.2 115.8  
131 52.4 76.2 114.2#

Manual Integrations  
APPROVED

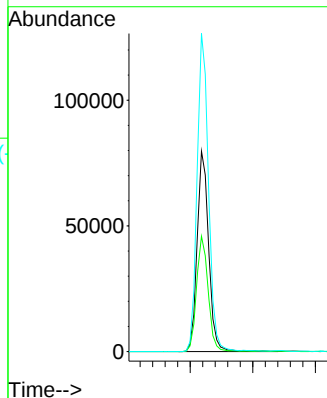
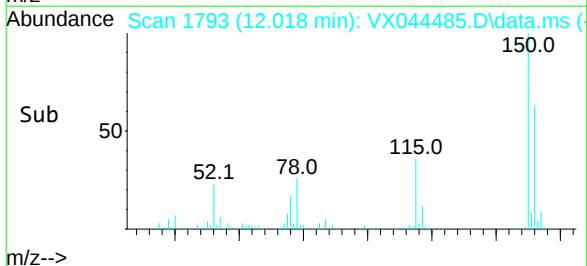
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024

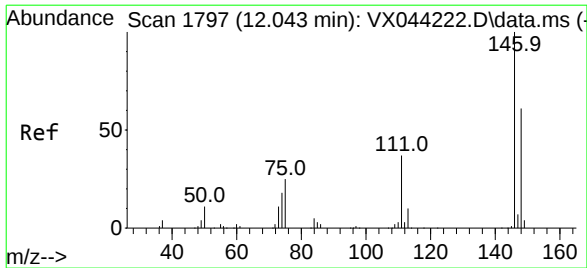


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09



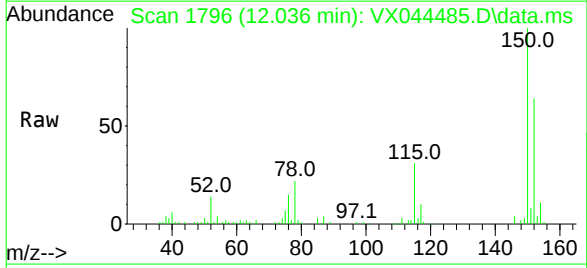
Tgt Ion:152 Resp: 102248  
Ion Ratio Lower Upper  
152 100  
115 57.8 44.5 133.3  
150 156.2 0.0 353.8





#88  
1,4-Dichlorobenzene  
Concen: 0.329 ug/l m  
RT: 12.036 min Scan# 1797  
Delta R.T. -0.006 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09

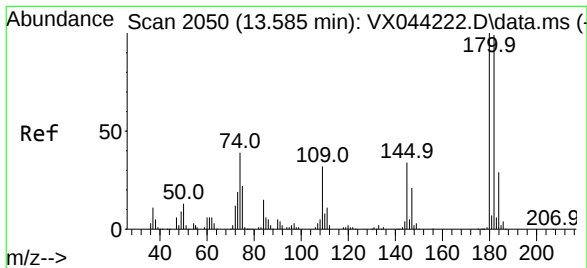
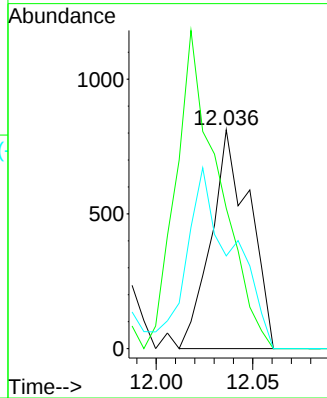
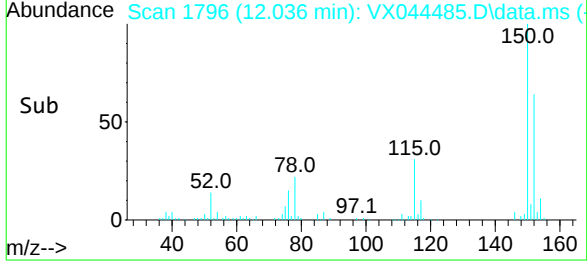
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D6-20241217



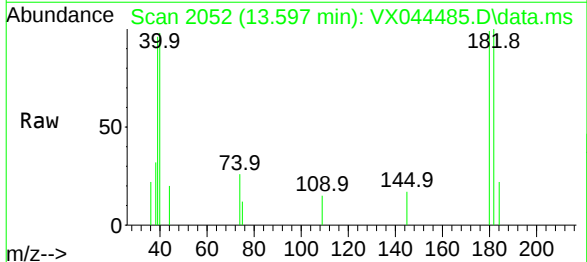
Tgt Ion:146 Resp: 1120  
Ion Ratio Lower Upper  
146 100  
111 24.2 21.0 63.0  
148 47.4 32.3 96.8

Manual Integrations  
APPROVED

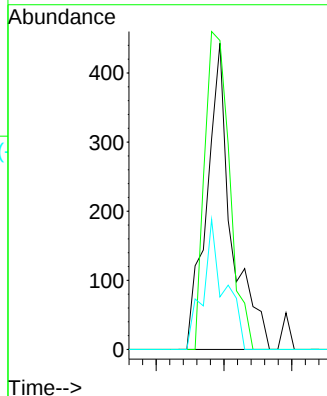
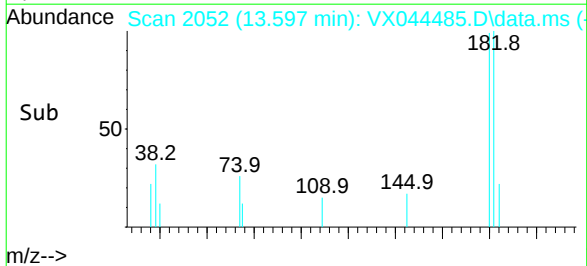
Reviewed By :John Carlone 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024

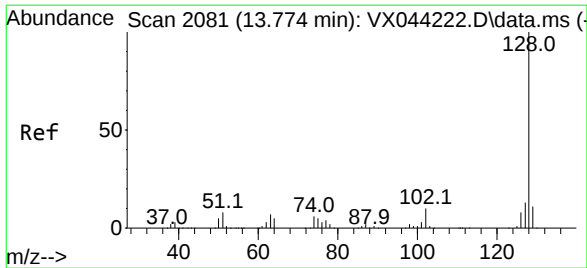


#93  
1,2,4-Trichlorobenzene  
Concen: 0.297 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.012 min  
Lab File: VX044485.D  
Acq: 23 Dec 2024 17:09



Tgt Ion:180 Resp: 560  
Ion Ratio Lower Upper  
180 100  
182 104.6 48.0 144.2  
145 37.0 16.6 49.7





#95

Naphthalene

Concen: 0.400 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX044485.D

Acq: 23 Dec 2024 17:09

Instrument :

MSVOA\_X

ClientSampleId :

RE132D6-20241217

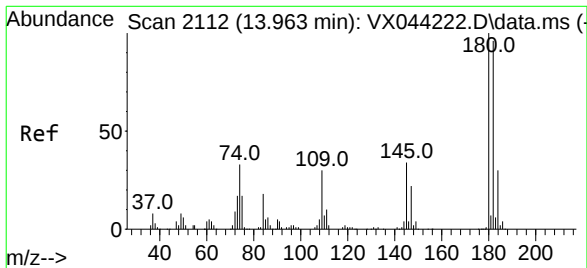
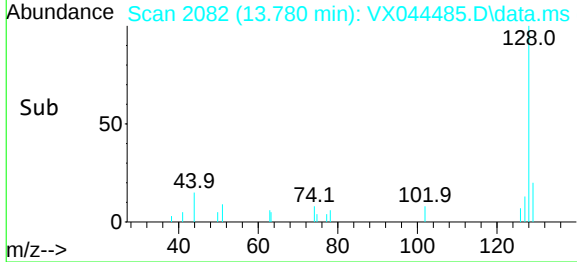
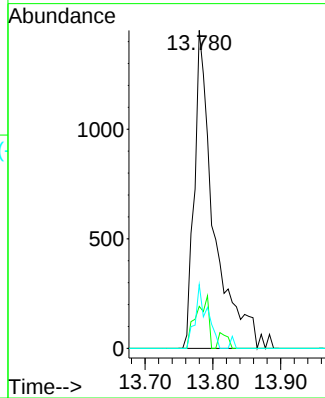
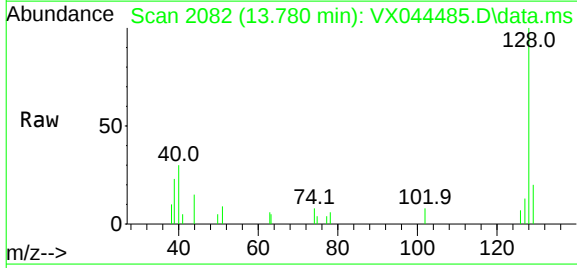
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2946  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 10.6  | 10.5  | 15.7  |
| 129      | 12.4  | 9.0   | 13.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/26/2024

Supervised By :Mahesh Dadoda 12/26/2024



#96

1,2,3-Trichlorobenzene

Concen: 0.360 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX044485.D

Acq: 23 Dec 2024 17:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 720   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.2  | 48.0  | 144.0 |
| 145      | 38.8  | 17.7  | 53.1  |

