

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110525\  
 Data File : VY023687.D  
 Acq On : 05 Nov 2025 13:33  
 Operator : SY/MD  
 Sample : Q3544-03  
 Misc : 5.42g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ONYX-1-VOC

Quant Time: Nov 06 03:30:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 2025  
 Response via : Initial Calibration

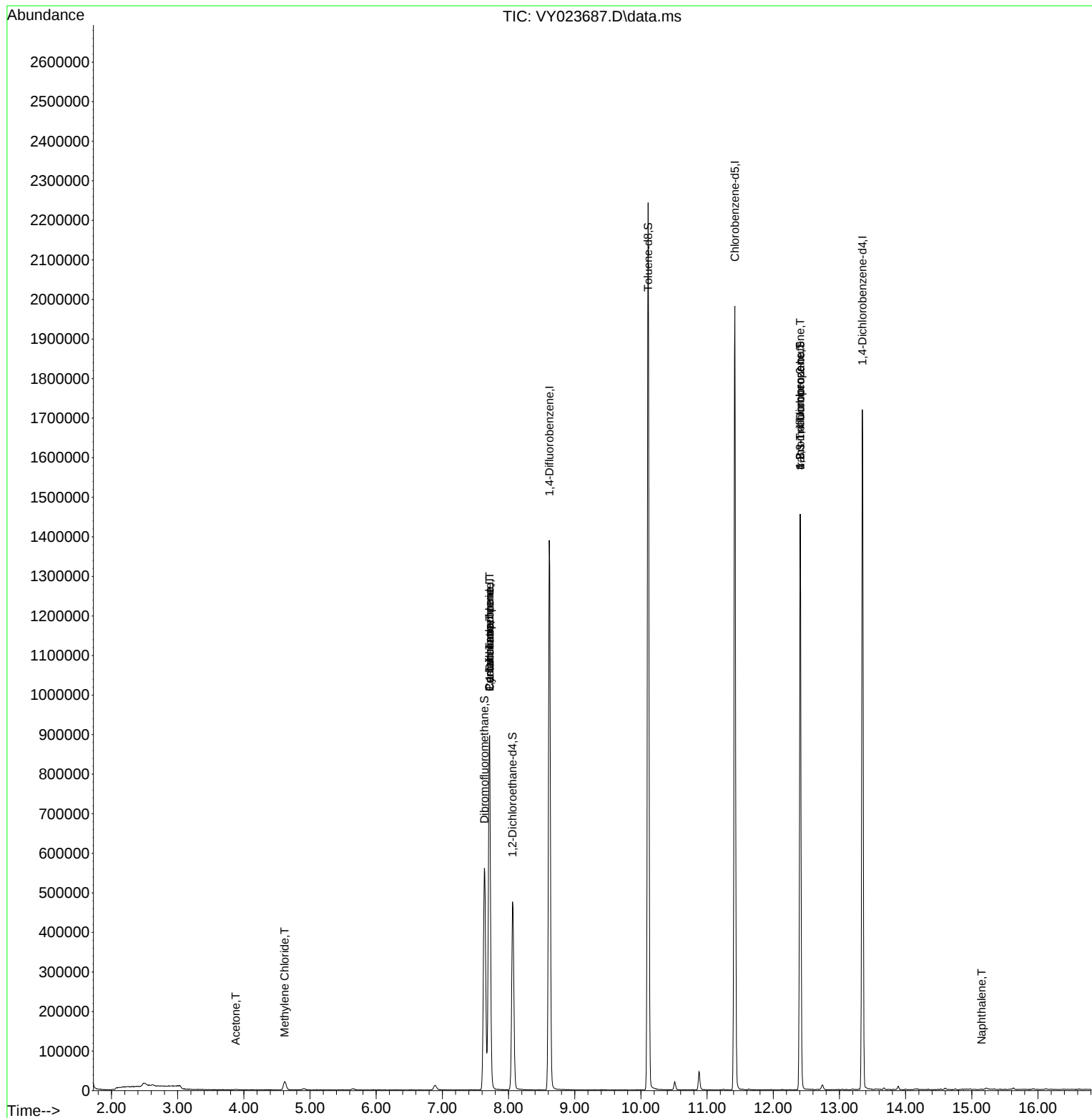
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 741203   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 1275258  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 1106028  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 458284   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 377254   | 59.668   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 119.340% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 410856   | 51.553   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 103.100% |          |
| 50) Toluene-d8                | 10.109    | 98    | 1462236  | 49.255   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 98.520%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 432179   | 45.016   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 90.040%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.879     | 43    | 1748     | 1.112    | ug/l #     | 84       |
| 20) Methylene Chloride        | 4.616     | 84    | 17044    | 2.247    | ug/l #     | 86       |
| 31) Cyclohexane               | 7.713     | 56    | 12876    | 1.236    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 49653    | 4.663    | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 66059    | 5.265    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 212412   | 57.270   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 212412   | 129.427  | ug/l #     | 14       |
| 95) Naphthalene               | 15.151    | 128   | 1014     | 5.329    | ug/l #     | 84       |
| -----                         |           |       |          |          |            |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 05 04:41:50 2025  
Response via : Initial Calibration

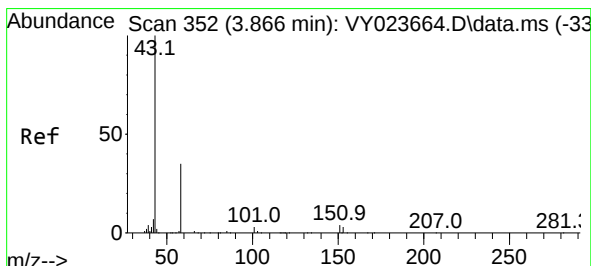
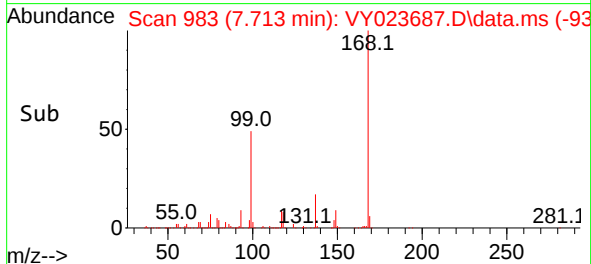
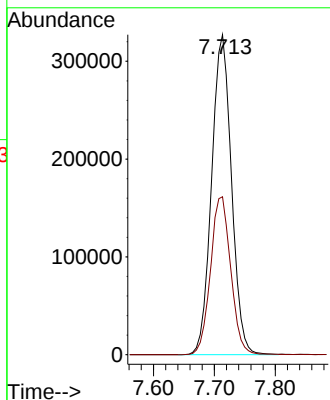
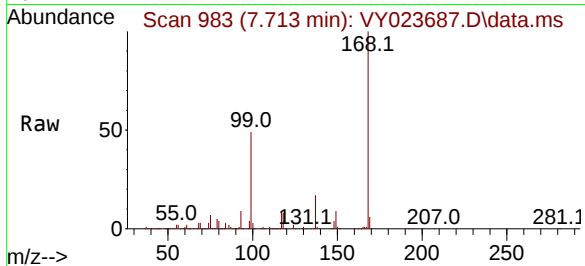




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

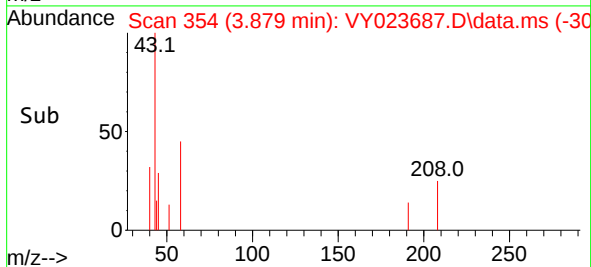
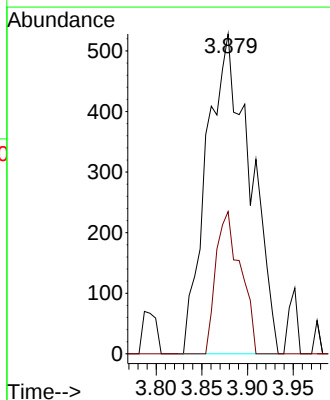
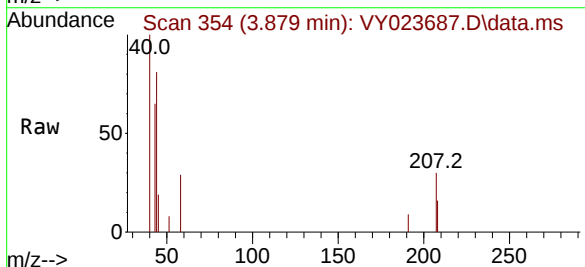
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ONYX-1-VOC

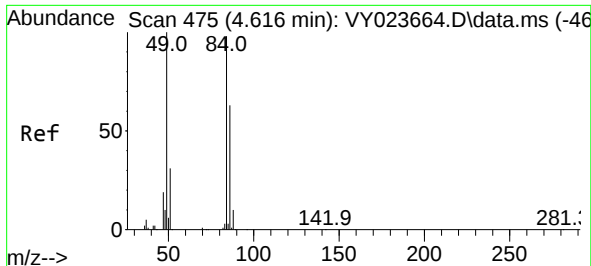
Tgt Ion:168 Resp: 741203  
Ion Ratio Lower Upper  
168 100  
99 49.3 41.0 61.4



#16  
Acetone  
Concen: 1.112 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.012 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Tgt Ion: 43 Resp: 1748  
Ion Ratio Lower Upper  
43 100  
58 44.5 28.2 42.4#

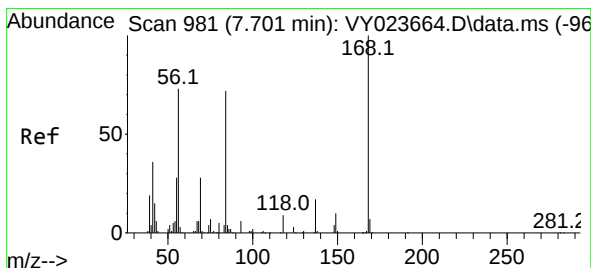
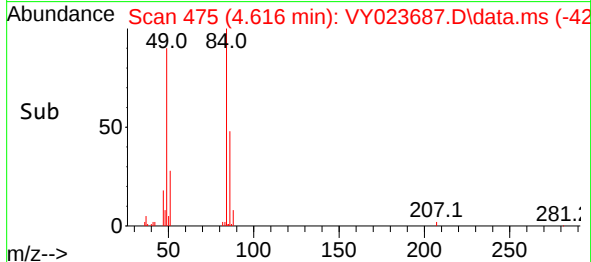
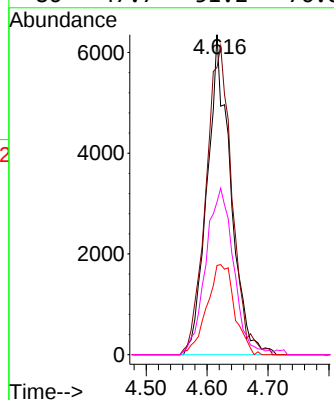
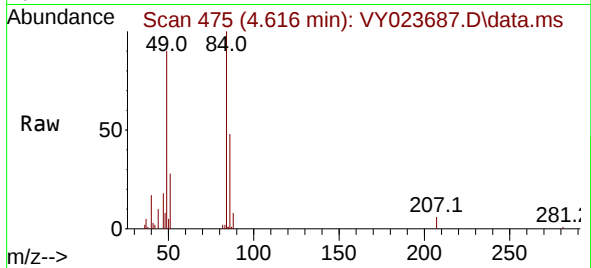




#20  
Methylene Chloride  
Concen: 2.247 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

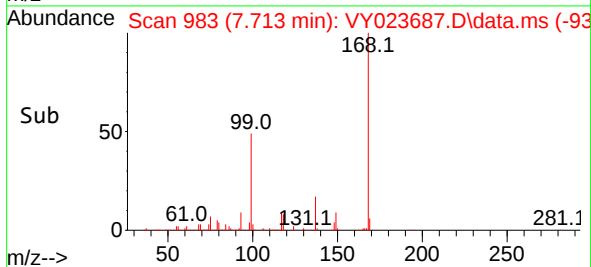
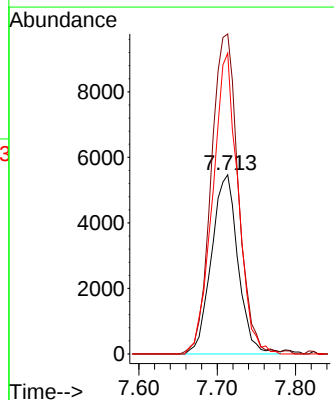
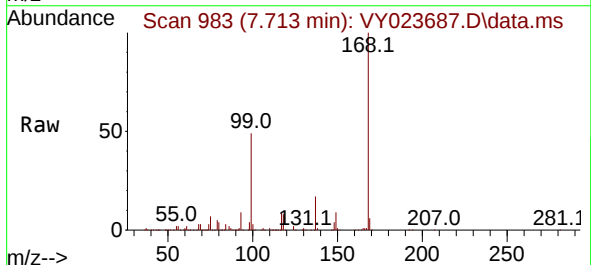
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ONYX-1-VOC

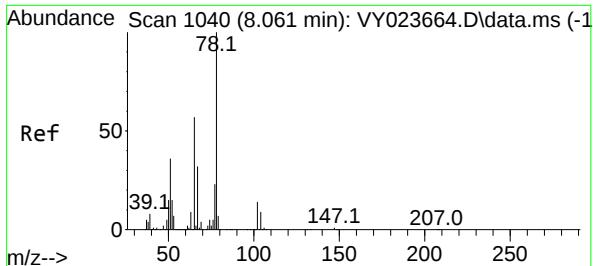
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 17044 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 89.7  | 81.5  | 122.3 |
| 51       | 27.9  | 25.5  | 38.3  |
| 86       | 47.7  | 51.2  | 76.8# |



#31  
Cyclohexane  
Concen: 1.236 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 12876  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 178.6 | 30.5  | 45.7#  |
| 84       | 167.9 | 79.0  | 118.4# |





#33

1,2-Dichloroethane-d4

Concen: 59.668 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

Instrument :

MSVOA\_Y

ClientSampleId :

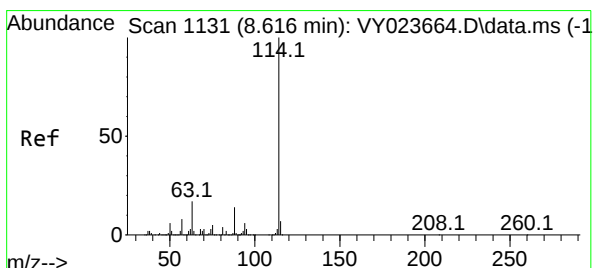
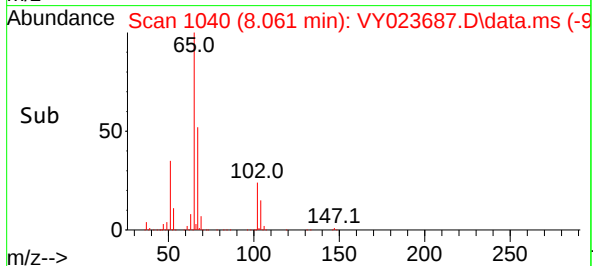
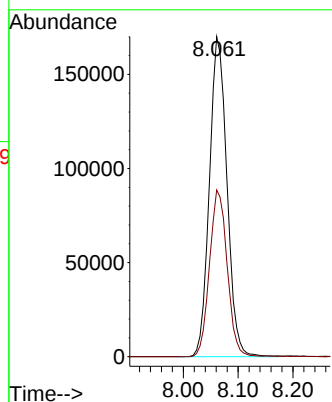
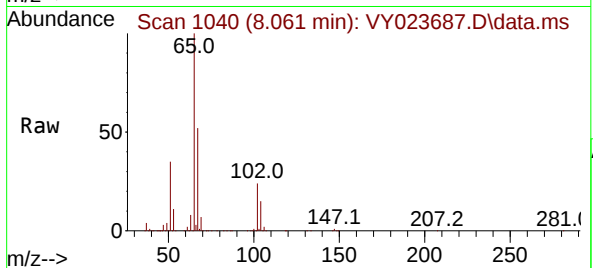
ONYX-1-VOC

Tgt Ion: 65 Resp: 377254

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023687.D

Acq: 05 Nov 2025 13:33

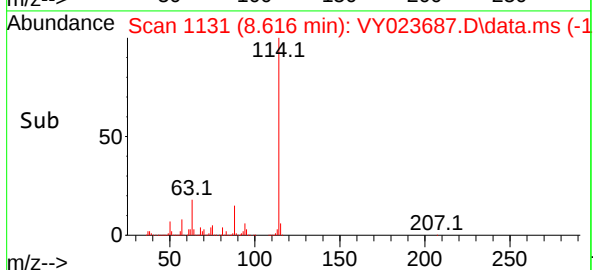
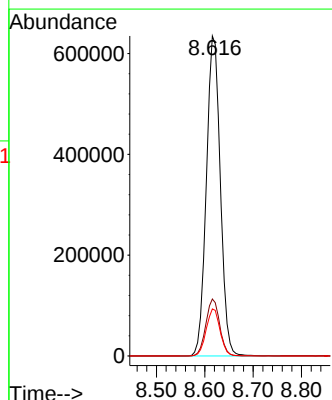
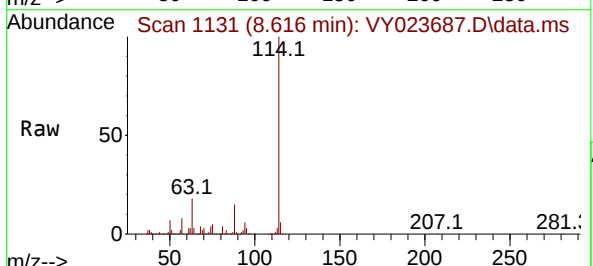
Tgt Ion:114 Resp: 1275258

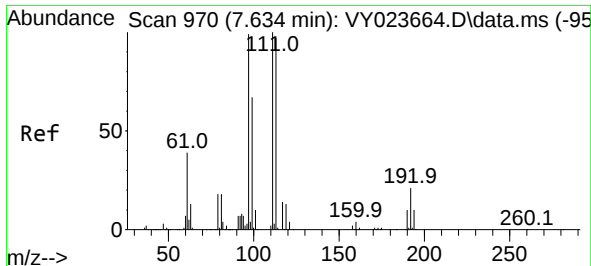
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.7 0.0 29.0

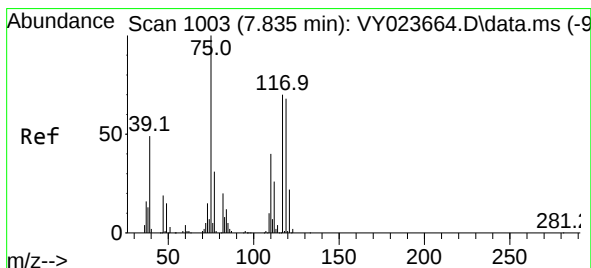
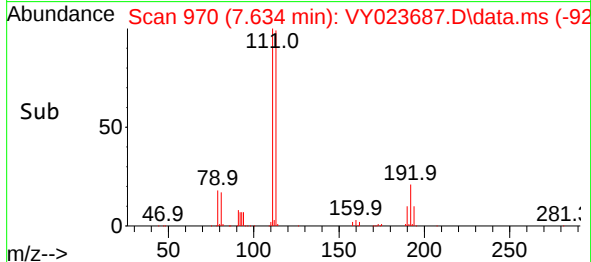
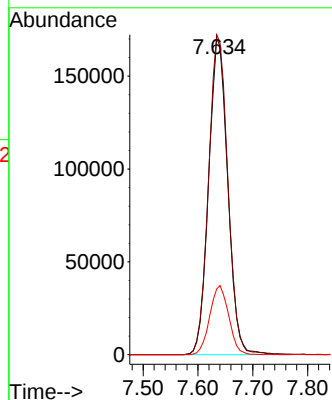
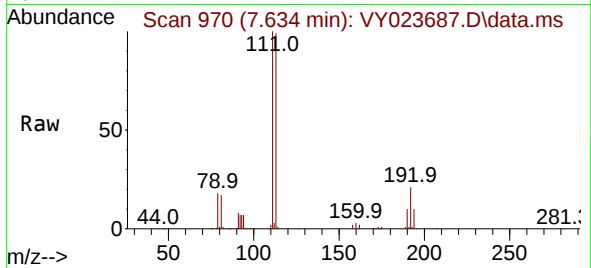




#35  
Dibromofluoromethane  
Concen: 51.553 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

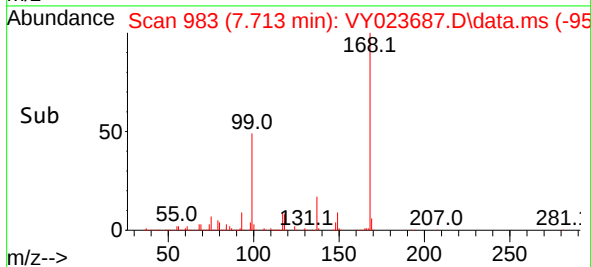
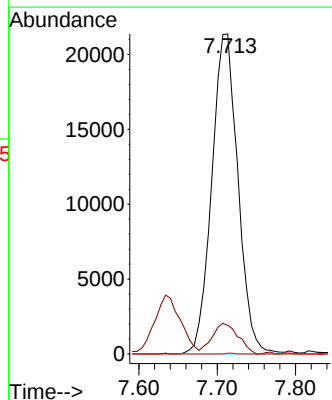
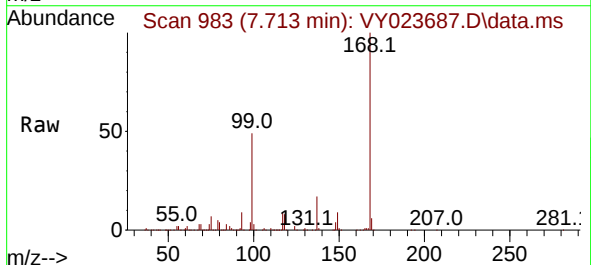
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ONYX-1-VOC

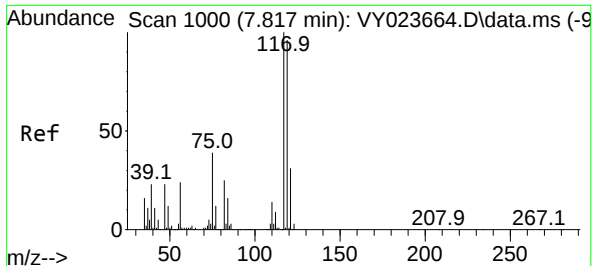
Tgt Ion:113 Resp: 410856  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.2 123.4  
192 21.7 17.3 25.9



#36  
1,1-Dichloropropene  
Concen: 4.663 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Tgt Ion: 75 Resp: 49653  
Ion Ratio Lower Upper  
75 100  
110 9.5 19.7 59.0#  
77 0.1 25.2 37.8#

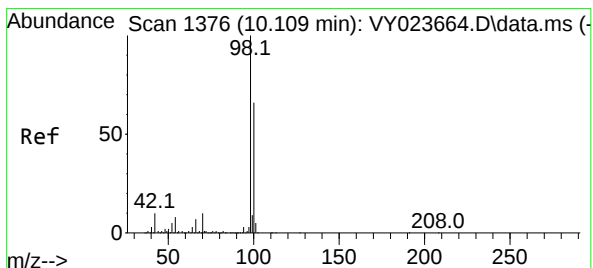
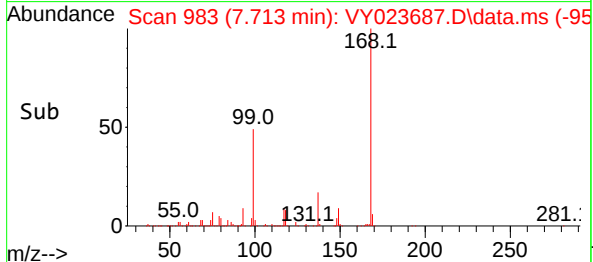
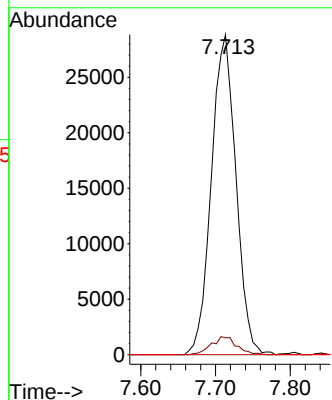
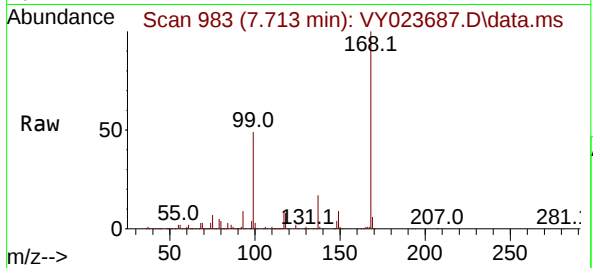




#38  
Carbon Tetrachloride  
Concen: 5.265 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

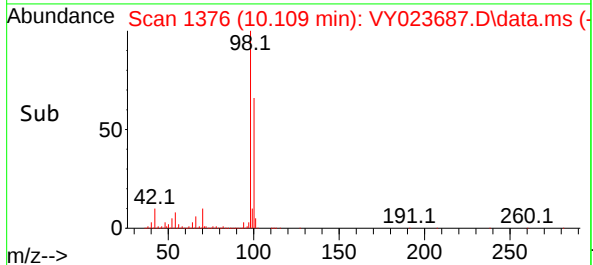
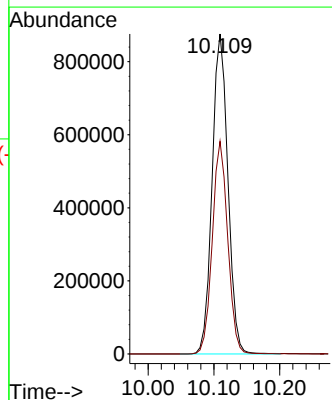
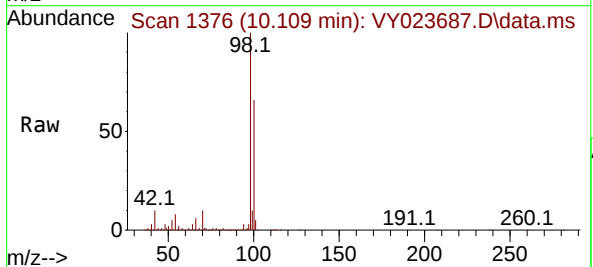
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ONYX-1-VOC

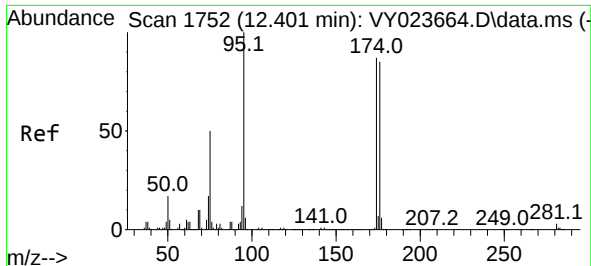
Tgt Ion:117 Resp: 66059  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.3 114.5#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.255 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Tgt Ion: 98 Resp: 1462236  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1

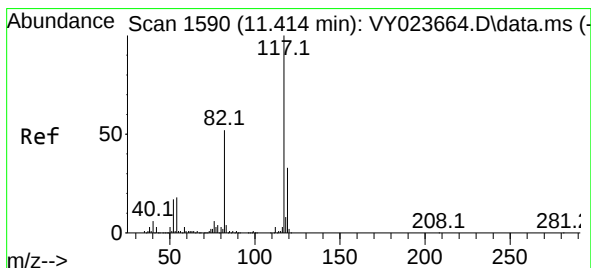
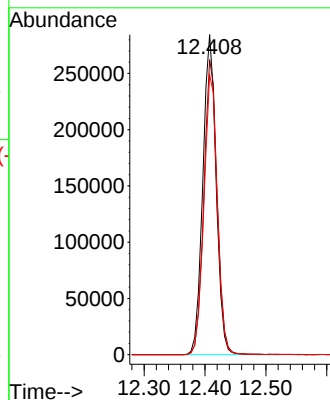
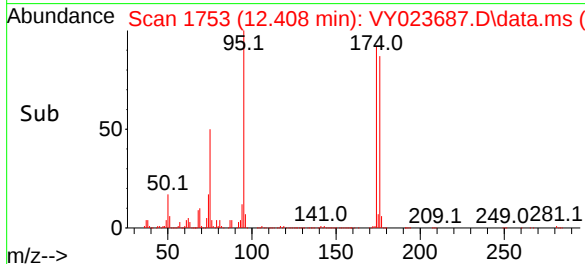
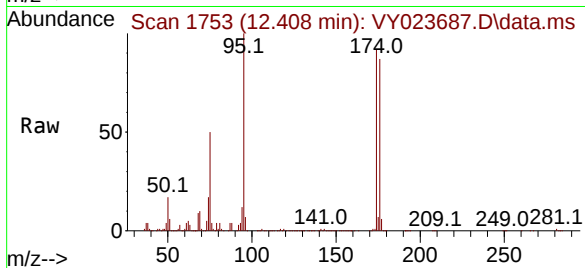




#62  
4-Bromofluorobenzene  
Concen: 45.016 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

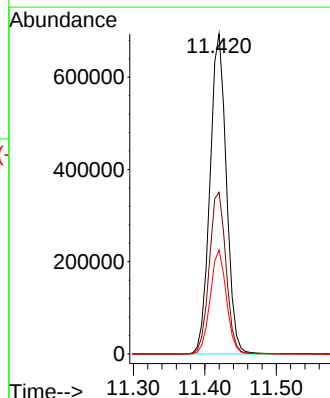
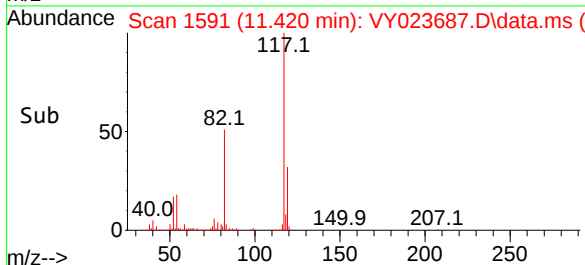
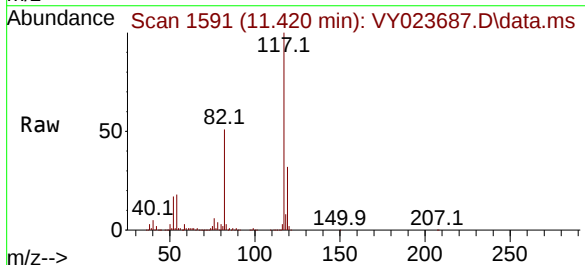
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ONYX-1-VOC

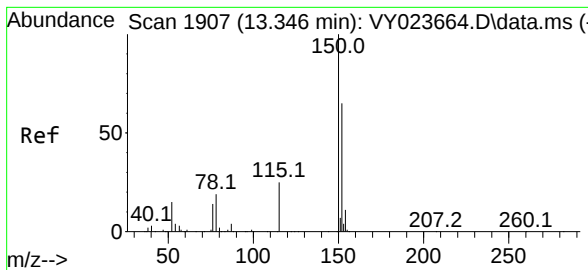
Tgt Ion: 95 Resp: 432179  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 184.8  
176 88.2 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Tgt Ion: 117 Resp: 1106028  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.2 61.8  
119 32.4 26.2 39.2

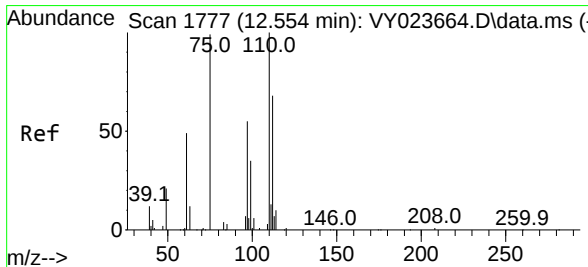
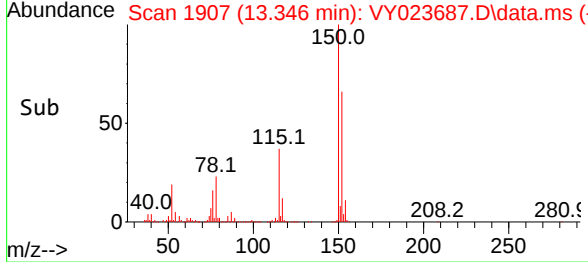
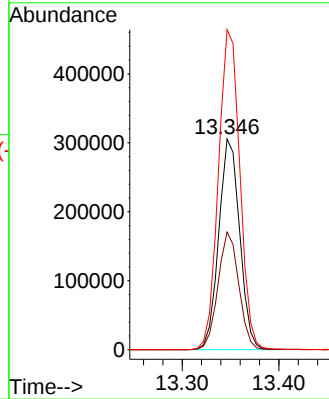
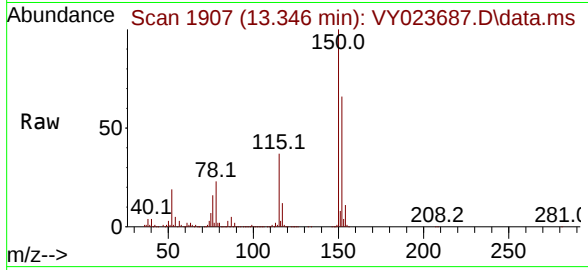




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY023687.D  
 Acq: 05 Nov 2025 13:33

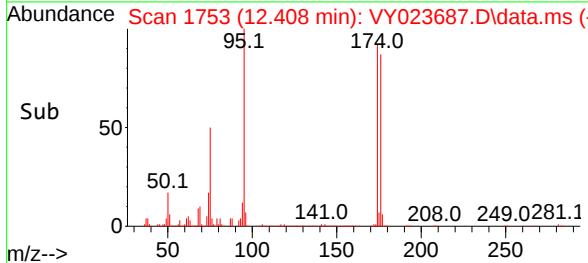
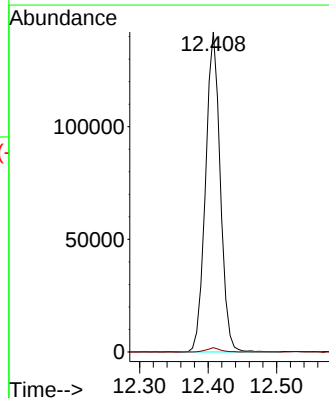
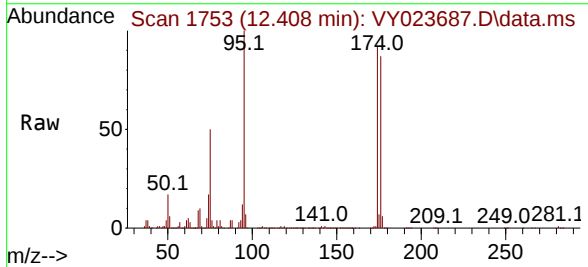
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ONYX-1-VOC

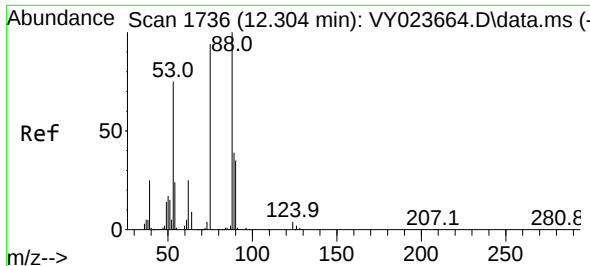
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 Ion Ratio Lower Upper  
 152 100  
 115 55.6 27.5 82.5  
 150 155.6 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 57.270 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY023687.D  
 Acq: 05 Nov 2025 13:33

Tgt Ion: 75 Resp: 212412  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

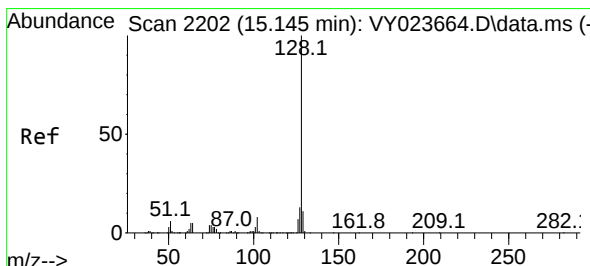
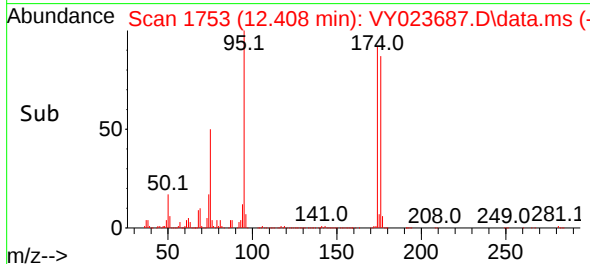
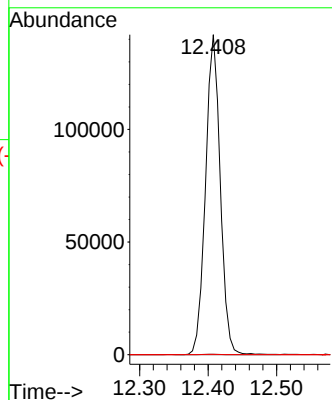
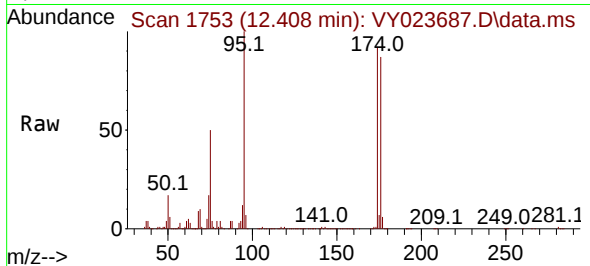




#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.427 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ONYX-1-VOC

Tgt Ion: 75 Resp: 212412  
Ion Ratio Lower Upper  
75 100  
53 0.2 69.6 104.4#  
89 0.0 38.2 57.4#



#95  
Naphthalene  
Concen: 5.329 ug/l  
RT: 15.151 min Scan# 2203  
Delta R.T. 0.006 min  
Lab File: VY023687.D  
Acq: 05 Nov 2025 13:33

Tgt Ion: 128 Resp: 1014  
Ion Ratio Lower Upper  
128 100  
127 7.1 10.5 15.7#  
129 4.7 8.8 13.2#

