

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071625\  
 Data File : VW031875.D  
 Acq On : 16 Jul 2025 15:15  
 Operator : SY/MD  
 Sample : Q2622-01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 2819

Quant Time: Jul 17 04:04:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

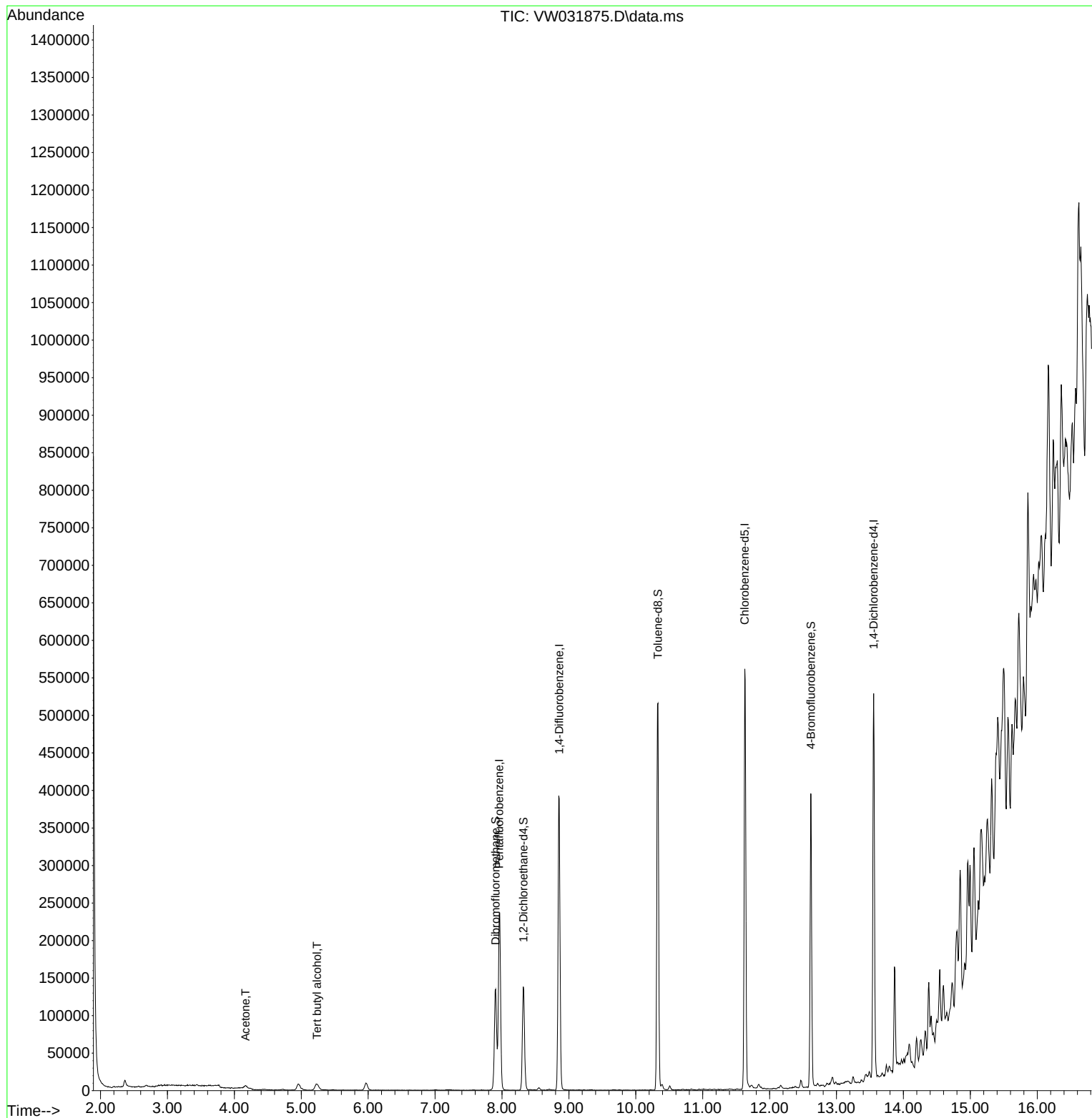
| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 7.959  | 168            | 159991   | 50.000     | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.855  | 114            | 330788   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.629 | 117            | 303111   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.556 | 152            | 132629   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65             | 115304   | 50.218     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 63 - 155 | Recovery | = 100.440% |       |          |
| 35) Dibromofluoromethane    | 7.904  | 113            | 99624    | 46.154     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 70 - 134 | Recovery | = 92.300%  |       |          |
| 50) Toluene-d8              | 10.331 | 98             | 355448   | 44.250     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 123 | Recovery | = 88.500%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.617 | 95             | 138356   | 46.804     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 17 - 146 | Recovery | = 93.600%  |       |          |
| Target Compounds            |        |                |          |            |       |          |
|                             |        |                |          |            |       | Qvalue   |
| 11) Tert butyl alcohol      | 5.234  | 59             | 15851    | 111.433    | ug/l  | # 82     |
| 16) Acetone                 | 4.167  | 43             | 6375     | 11.233     | ug/l  | 89       |
| -----                       |        |                |          |            |       |          |

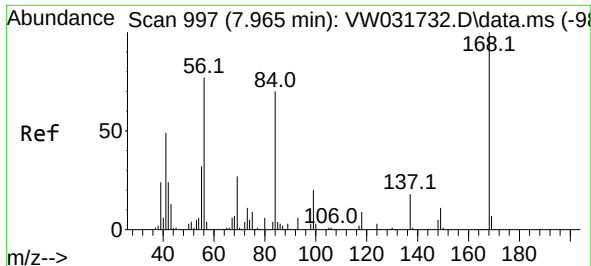
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
Response via : Initial Calibration

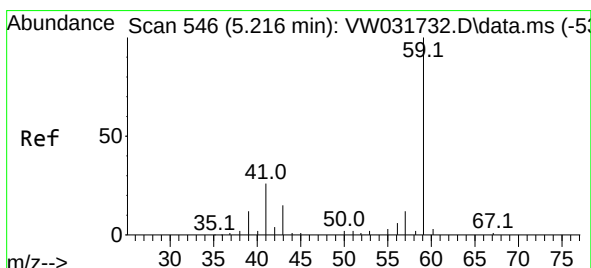
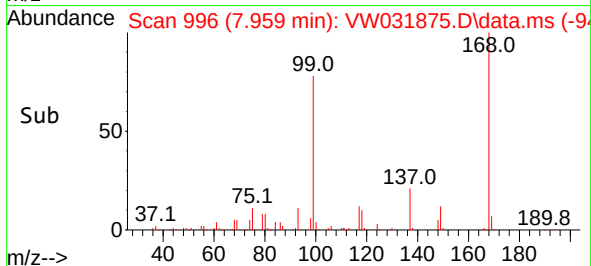
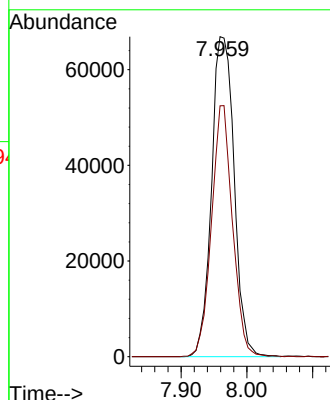
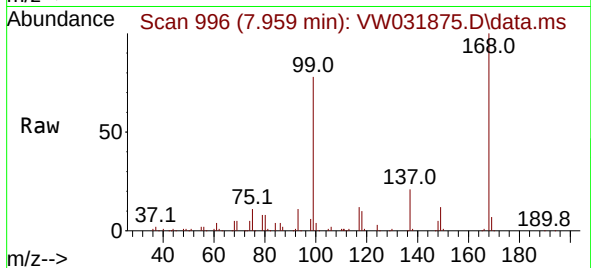




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

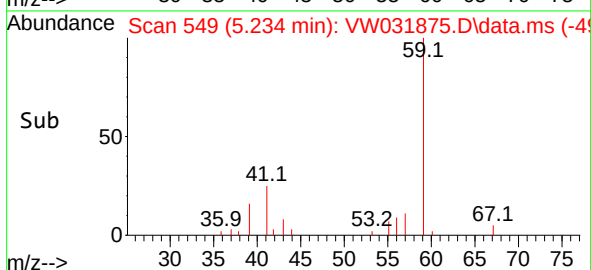
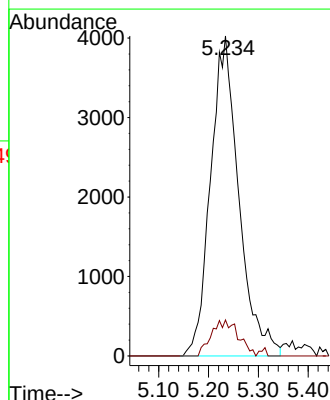
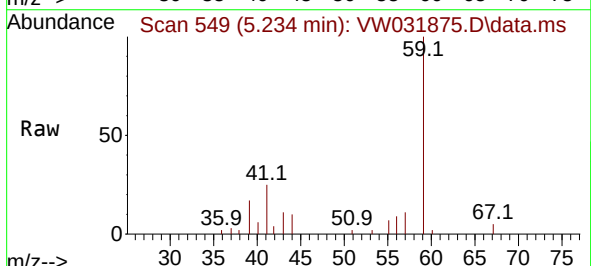
Instrument :  
MSVOA\_W  
ClientSampleId :  
2819

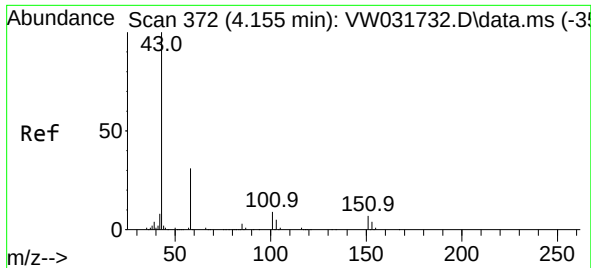
Tgt Ion:168 Resp: 159991  
Ion Ratio Lower Upper  
168 100  
99 78.4 49.4 74.2#



#11  
Tert butyl alcohol  
Concen: 111.433 ug/l  
RT: 5.234 min Scan# 549  
Delta R.T. 0.018 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

Tgt Ion: 59 Resp: 15851  
Ion Ratio Lower Upper  
59 100  
57 4.9 9.5 14.3#

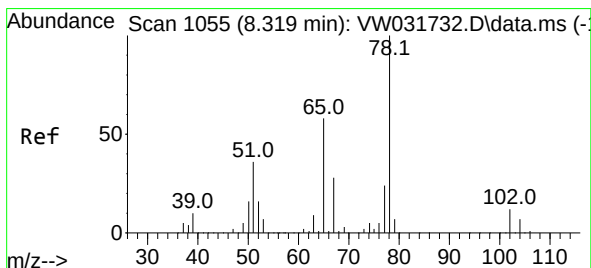
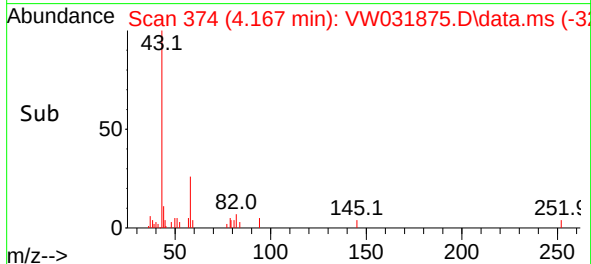
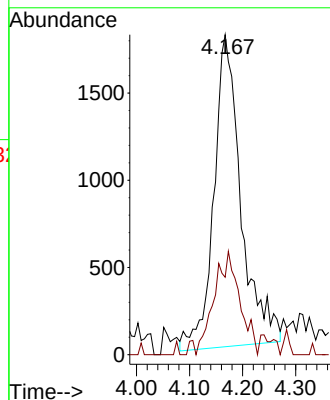
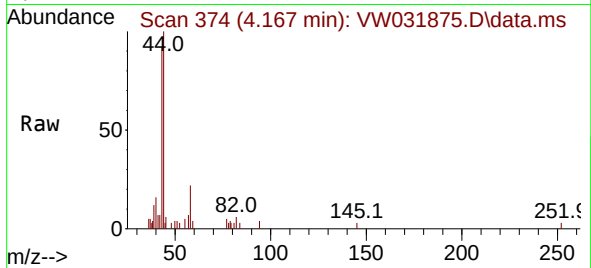




#16  
Acetone  
Concen: 11.233 ug/l  
RT: 4.167 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

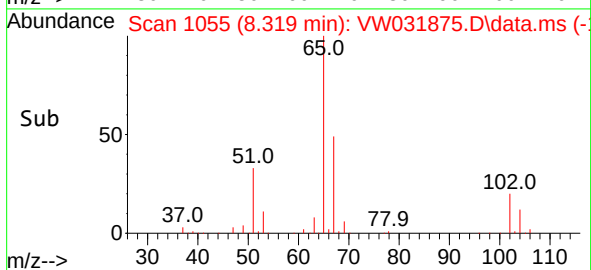
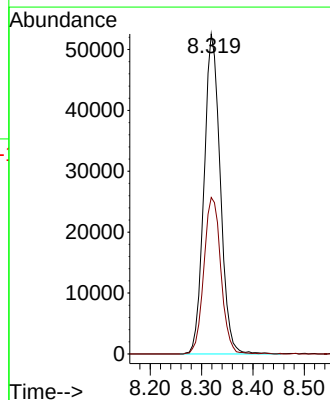
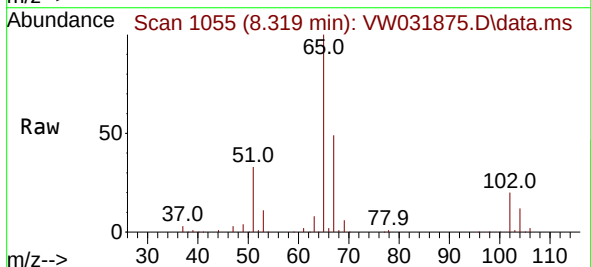
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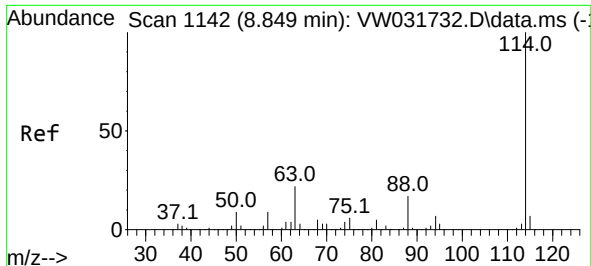
Tgt Ion: 43 Resp: 6375  
Ion Ratio Lower Upper  
43 100  
58 25.2 24.8 37.2



#33  
1,2-Dichloroethane-d4  
Concen: 50.218 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

Tgt Ion: 65 Resp: 115304  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VW031875.D

Acq: 16 Jul 2025 15:15

Instrument :

MSVOA\_W

ClientSampleId :

2819

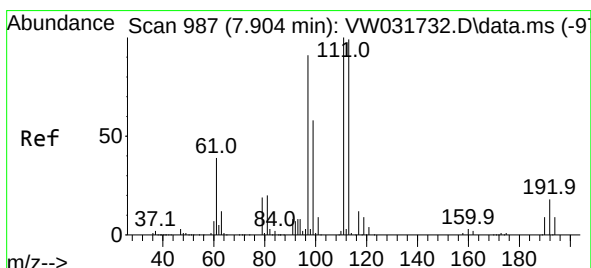
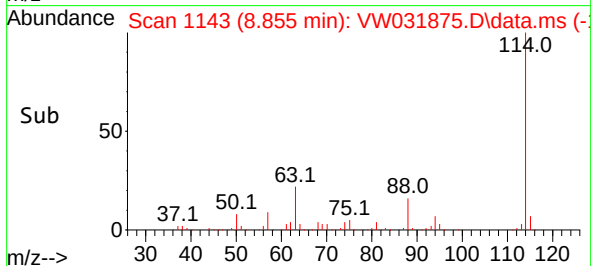
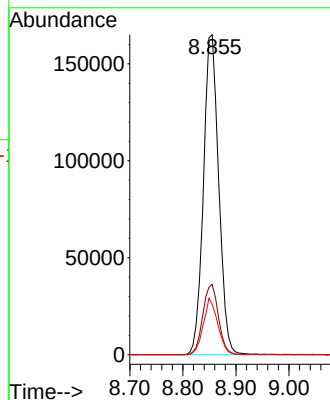
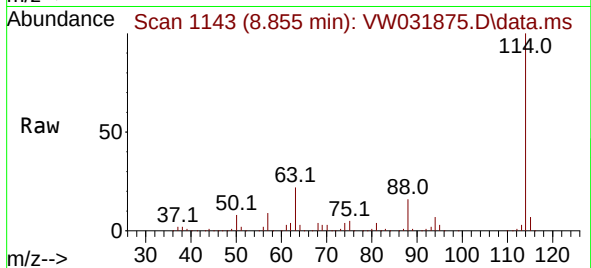
Tgt Ion:114 Resp: 330788

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.6

88 15.7 0.0 34.2



#35

Dibromofluoromethane

Concen: 46.154 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031875.D

Acq: 16 Jul 2025 15:15

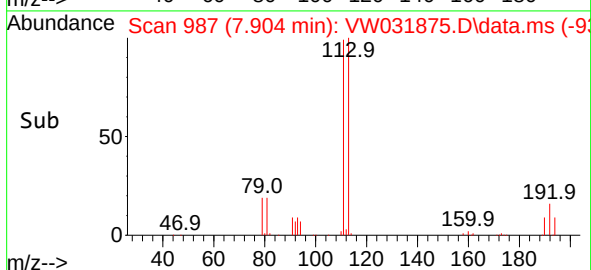
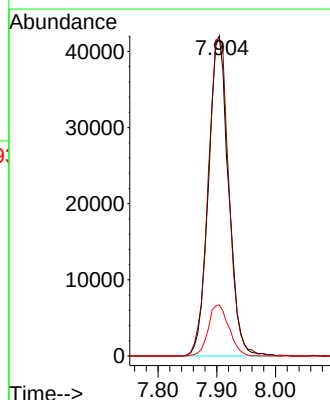
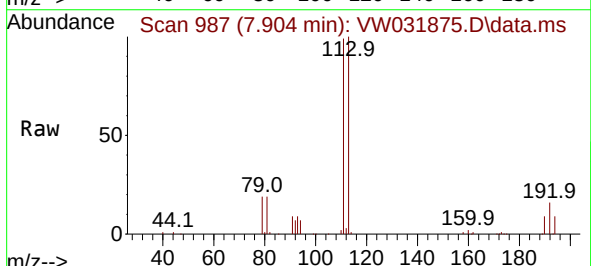
Tgt Ion:113 Resp: 99624

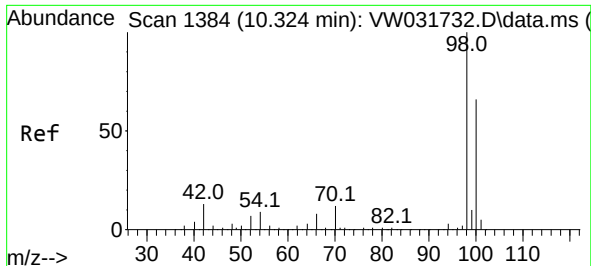
Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

192 16.5 13.8 20.6

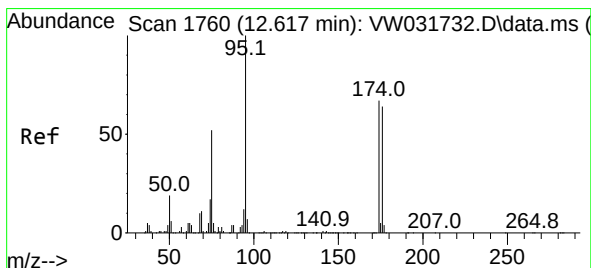
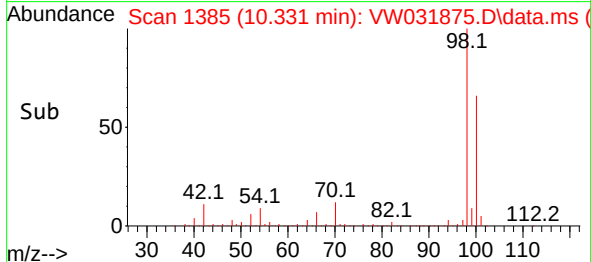
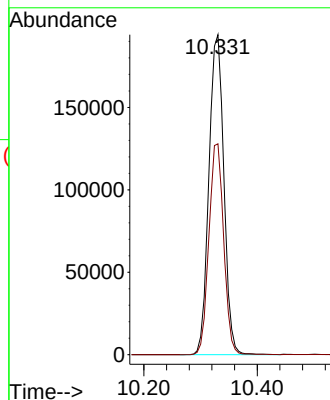
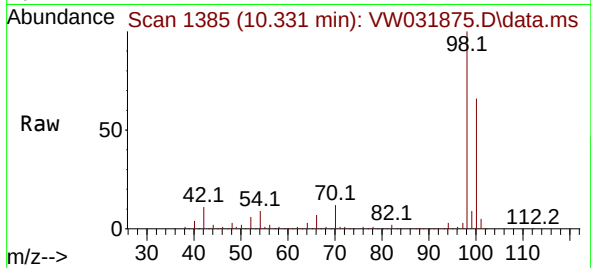




#50  
Toluene-d8  
Concen: 44.250 ug/l  
RT: 10.331 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

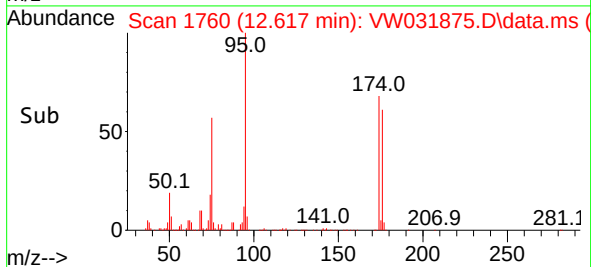
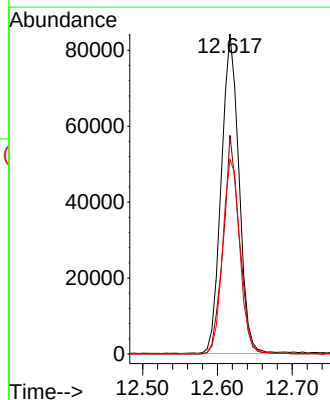
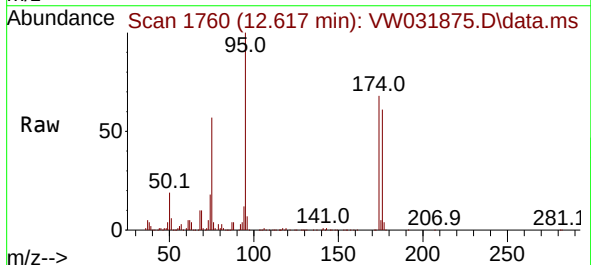
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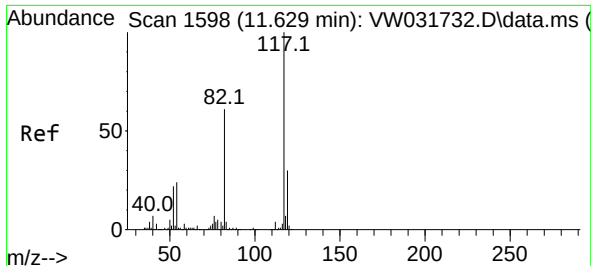
Tgt Ion: 98 Resp: 355448  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 46.804 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

Tgt Ion: 95 Resp: 138356  
Ion Ratio Lower Upper  
95 100  
174 62.7 0.0 133.8  
176 59.8 0.0 126.0

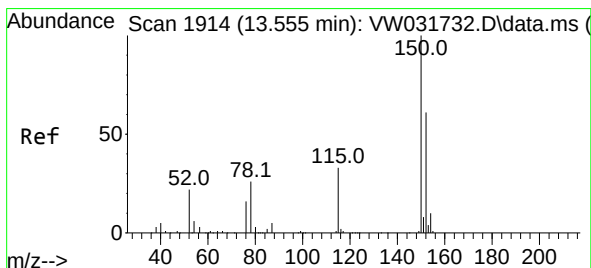
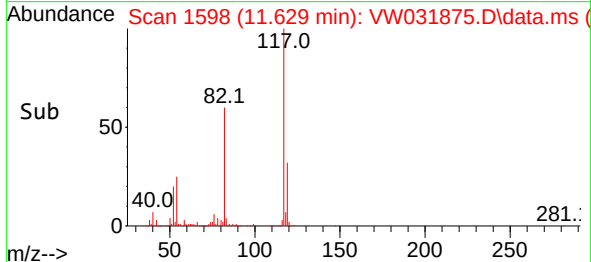
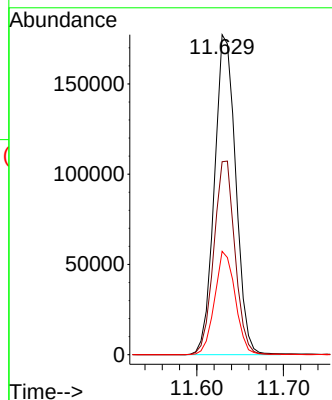
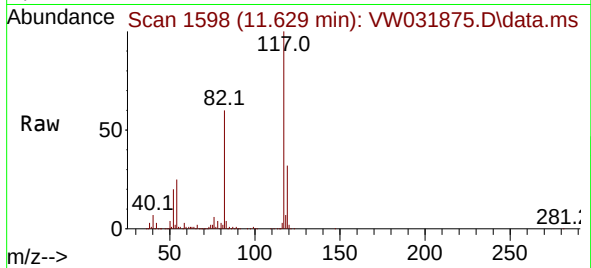




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

Instrument :  
MSVOA\_W  
ClientSampleId :  
2819

Tgt Ion:117 Resp: 303111  
Ion Ratio Lower Upper  
117 100  
82 60.3 48.6 72.8  
119 32.3 23.9 35.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW031875.D  
Acq: 16 Jul 2025 15:15

Tgt Ion:152 Resp: 132629  
Ion Ratio Lower Upper  
152 100  
115 64.6 31.9 95.7  
150 156.3 0.0 356.4

