

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086877.D
 Acq On : 06 Jun 2025 19:28
 Operator : JC\MD
 Sample : Q2216-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3888

Quant Time: Jun 07 02:29:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

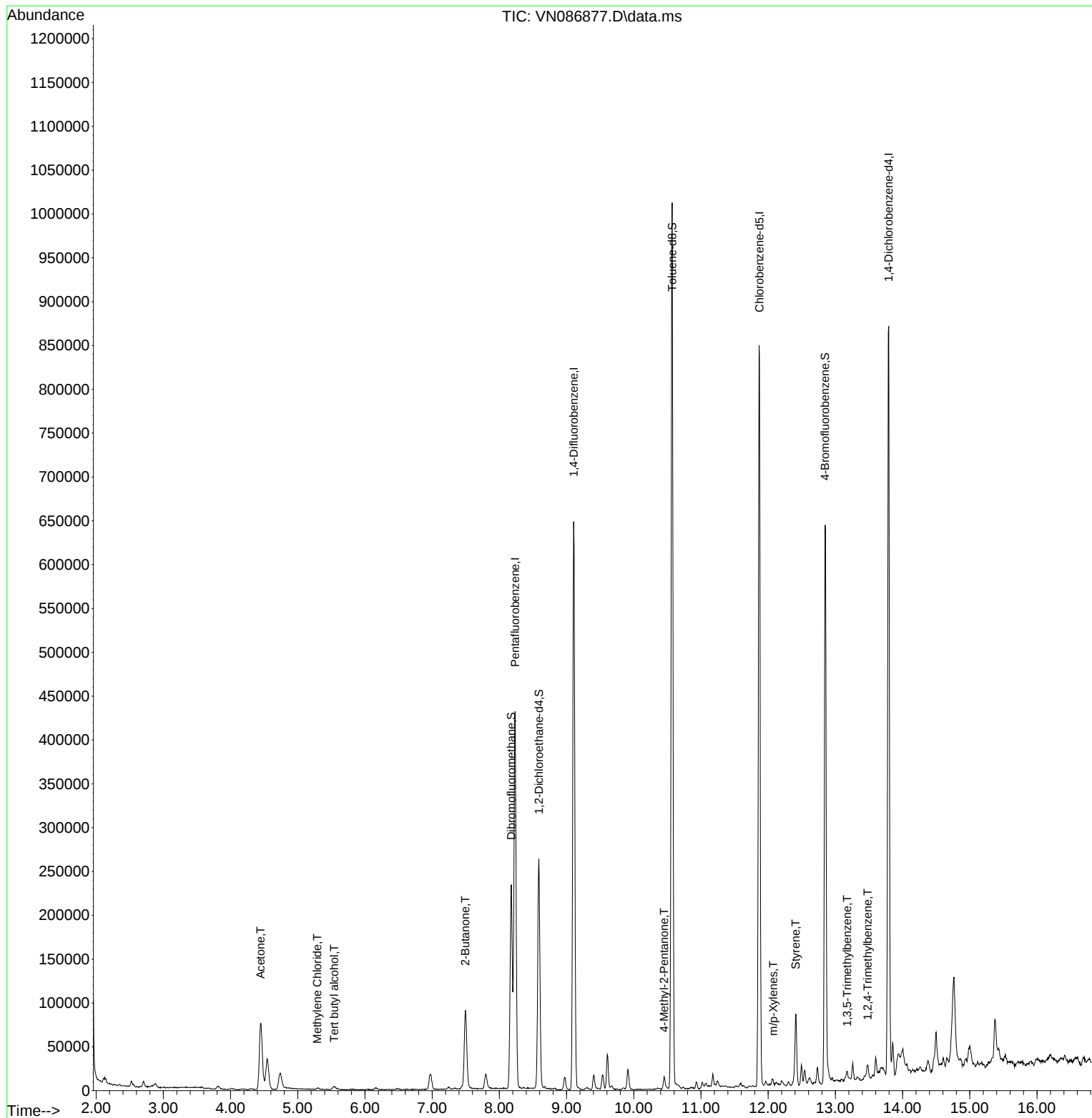
Internal Standards						
1) Pentafluorobenzene	8.235	168	330043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	525276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	213066	48.217	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.440%
35) Dibromofluoromethane	8.177	113	176665	49.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.460%
50) Toluene-d8	10.570	98	727475	51.727	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.460%
62) 4-Bromofluorobenzene	12.847	95	259099	49.588	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	7686	6.410	ug/l #	92
16) Acetone	4.447	43	153550	65.525	ug/l	98
20) Methylene Chloride	5.288	84	1196	0.273	ug/l	97
25) 2-Butanone	7.494	43	149769	39.319	ug/l	97
51) 4-Methyl-2-Pentanone	10.453	43	11511	1.768	ug/l	93
68) m/p-Xylenes	12.076	106	2172	0.284	ug/l	99
70) Styrene	12.412	104	40823	3.261	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	3895	0.262	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	7846	0.526	ug/l	100

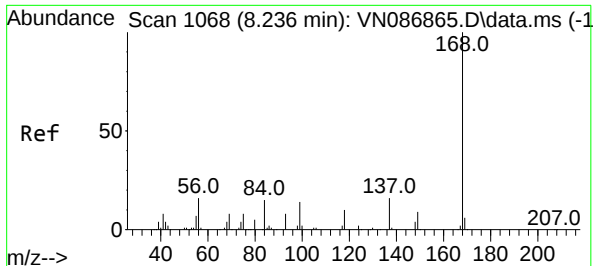
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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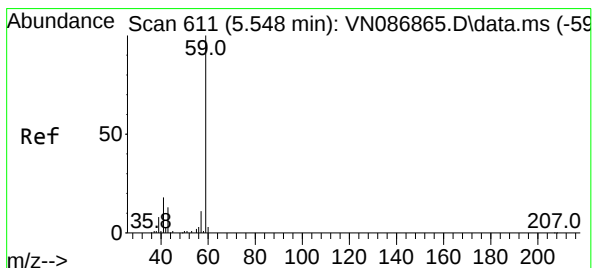
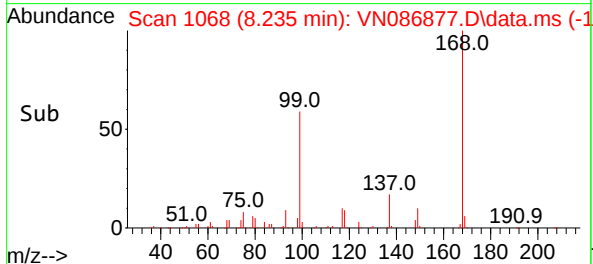
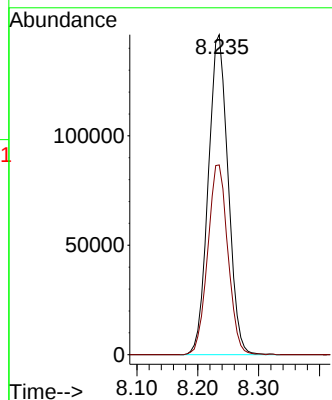
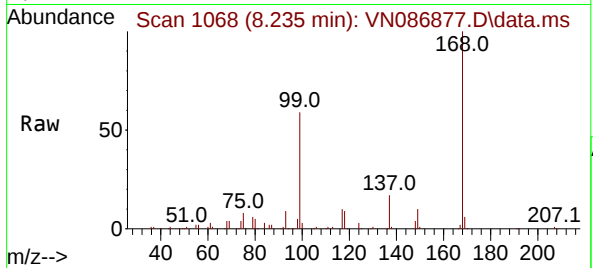




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

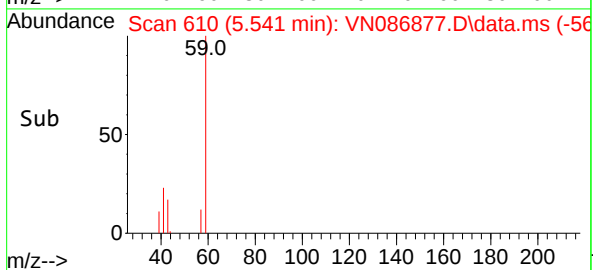
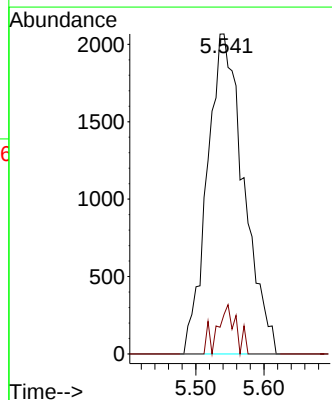
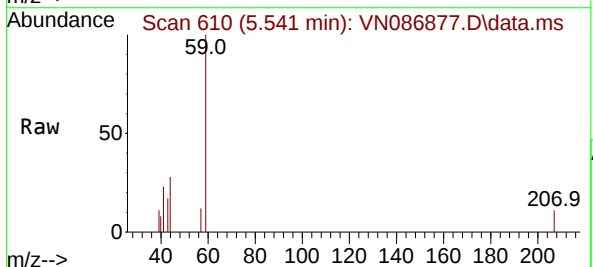
Instrument :
MSVOA_N
ClientSampleId :
3888

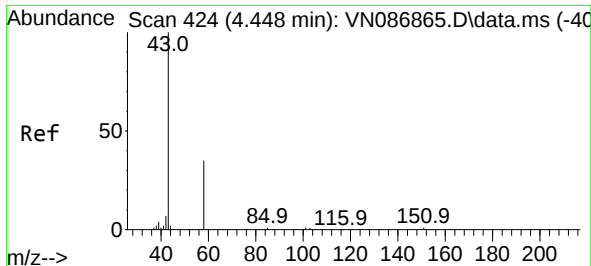
Tgt Ion:168 Resp: 330043
Ion Ratio Lower Upper
168 100
99 59.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 6.410 ug/l
RT: 5.541 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 59 Resp: 7686
Ion Ratio Lower Upper
59 100
57 7.0 8.1 12.1#

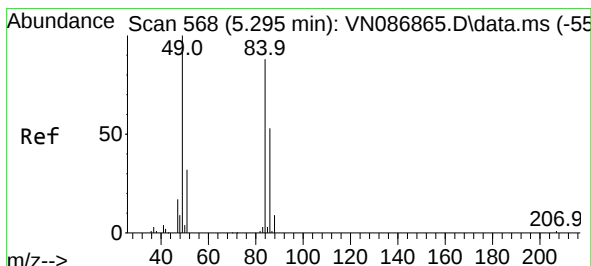
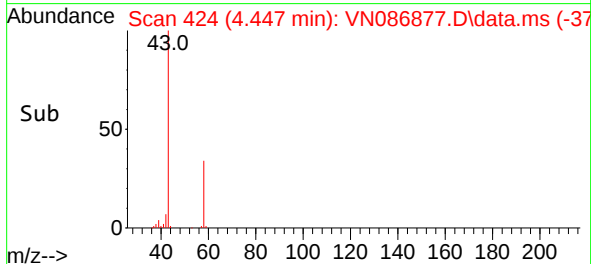
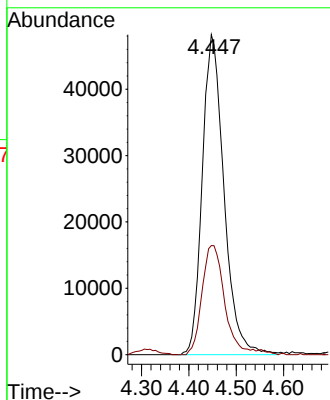
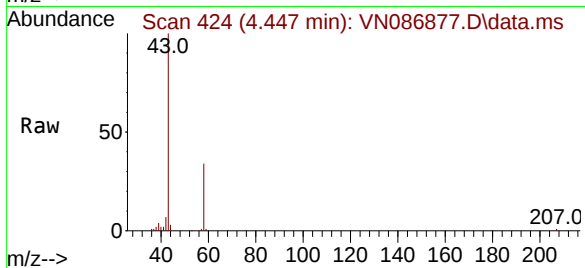




#16
Acetone
Concen: 65.525 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

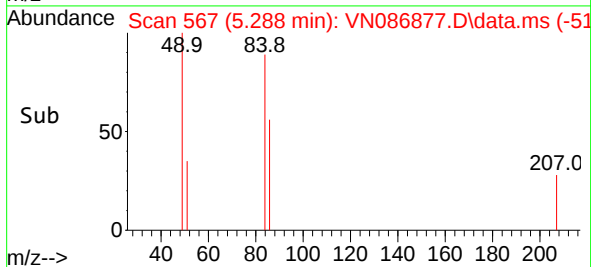
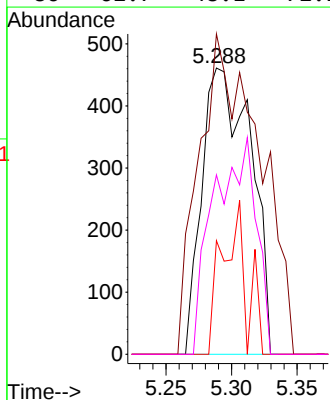
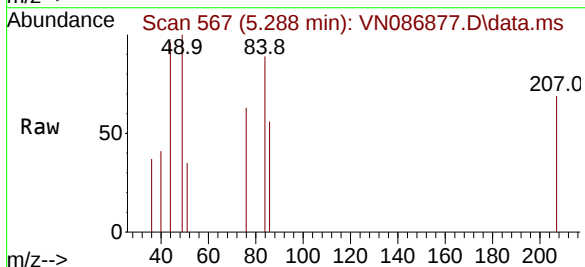
Instrument :
MSVOA_N
ClientSampleId :
3888

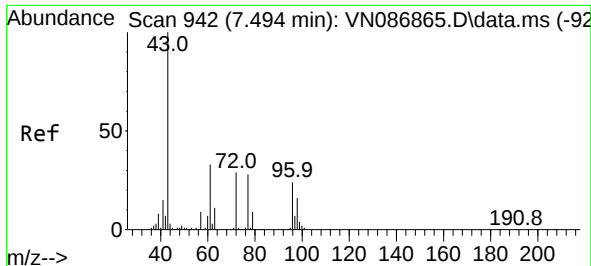
Tgt Ion: 43 Resp: 153550
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 5.288 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 84 Resp: 1196
Ion Ratio Lower Upper
84 100
49 111.9 90.5 135.7
51 39.7 28.5 42.7
86 62.7 48.1 72.1

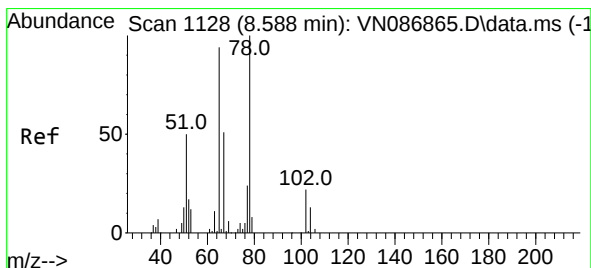
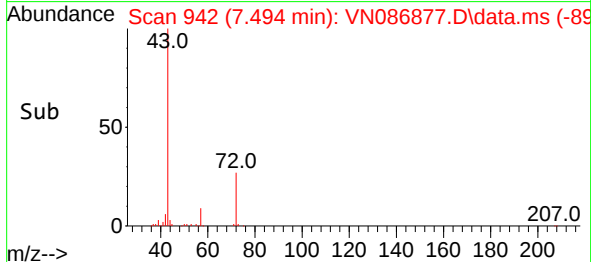
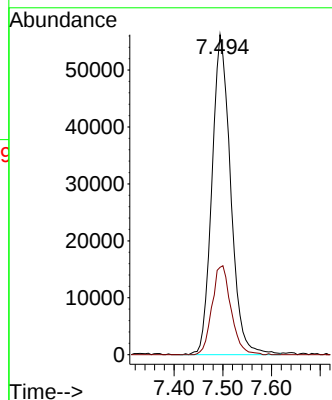
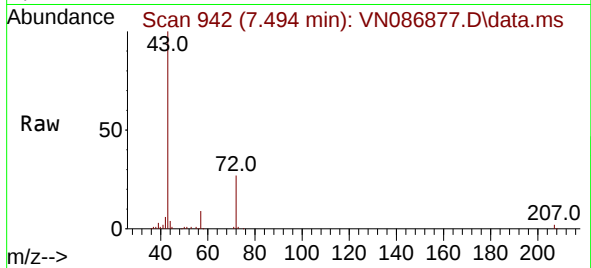




#25
2-Butanone
Concen: 39.319 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

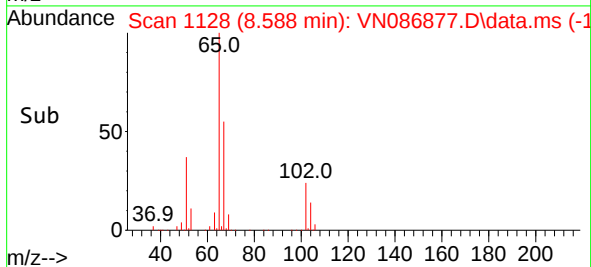
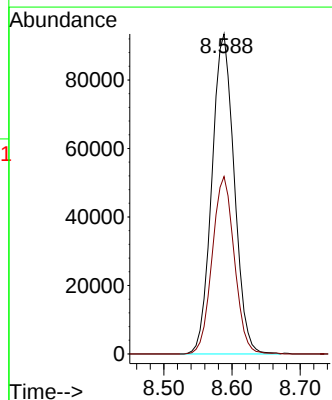
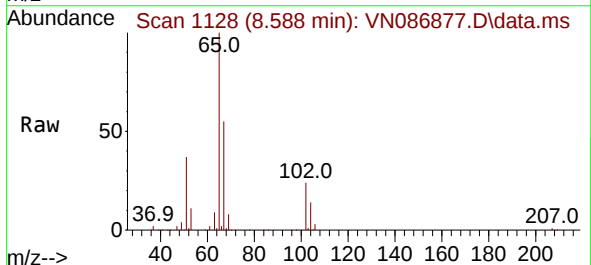
Instrument :
MSVOA_N
ClientSampleId :
3888

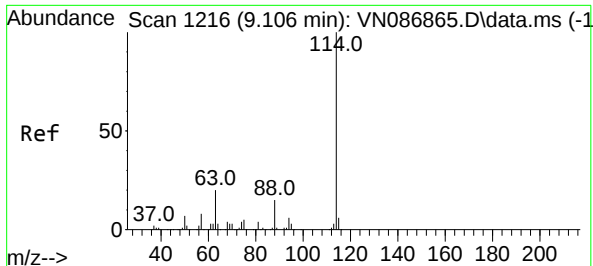
Tgt Ion: 43 Resp: 149769
Ion Ratio Lower Upper
43 100
72 27.3 23.0 34.6



#33
1,2-Dichloroethane-d4
Concen: 48.217 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 65 Resp: 213066
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

3888

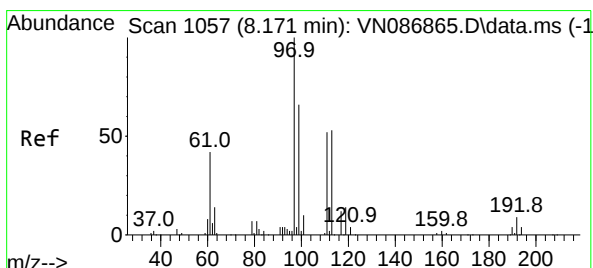
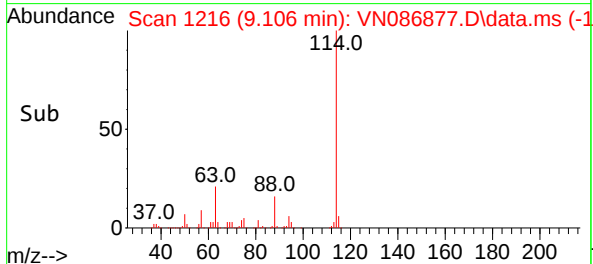
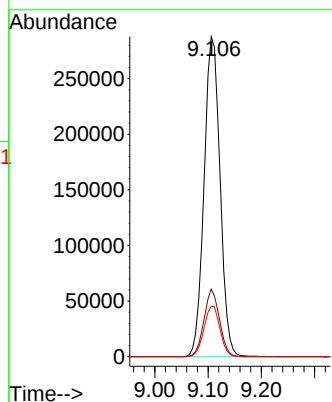
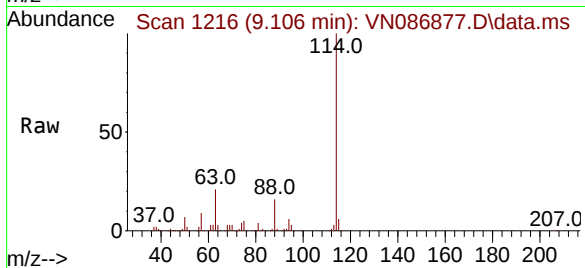
Tgt Ion:114 Resp: 599463

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.729 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

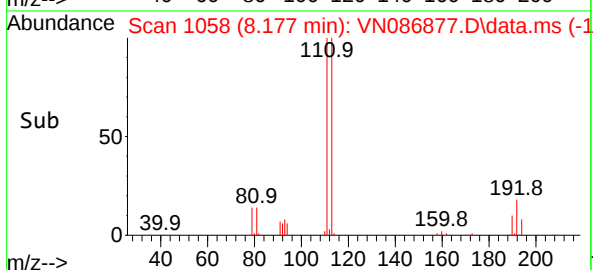
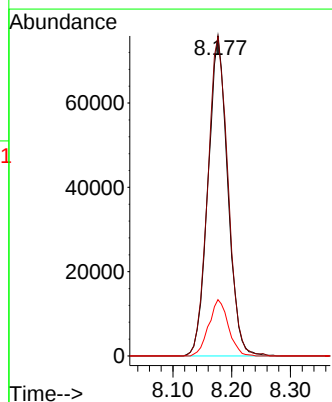
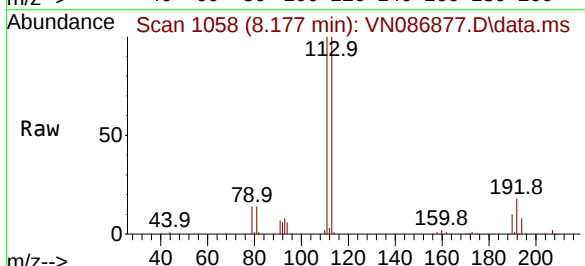
Tgt Ion:113 Resp: 176665

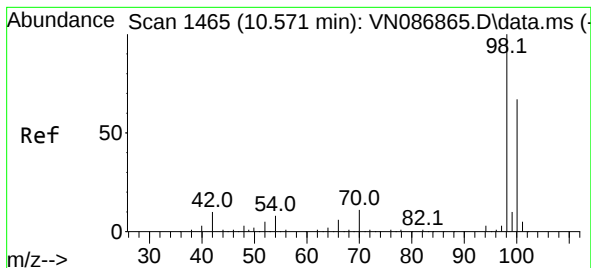
Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.2

192 17.5 14.2 21.4

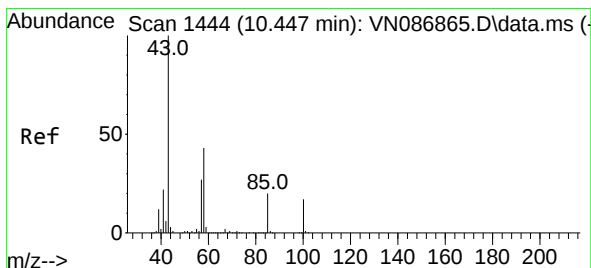
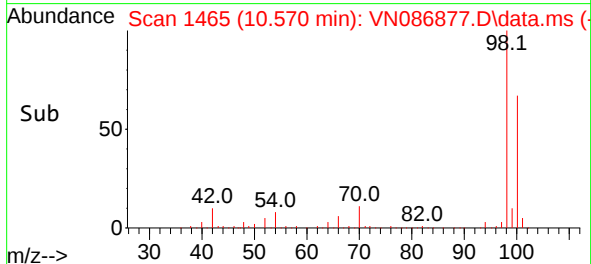
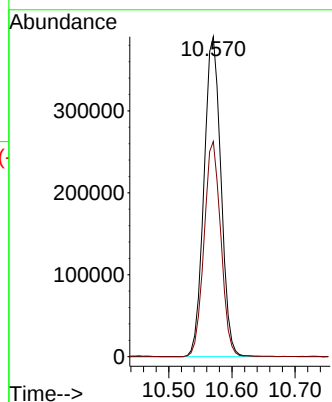
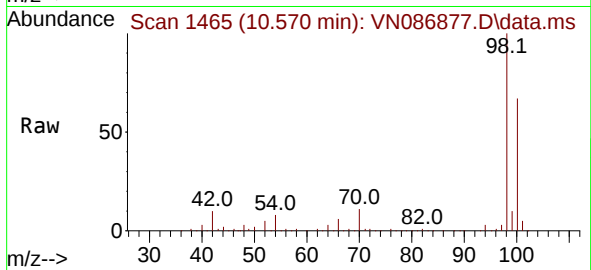




#50
Toluene-d8
Concen: 51.727 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

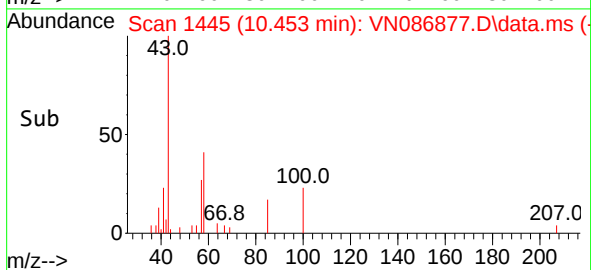
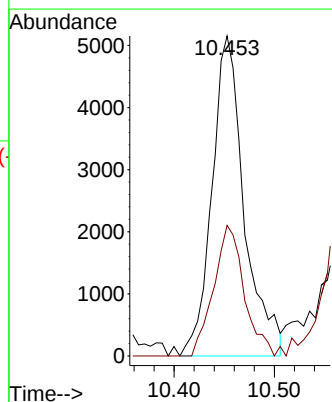
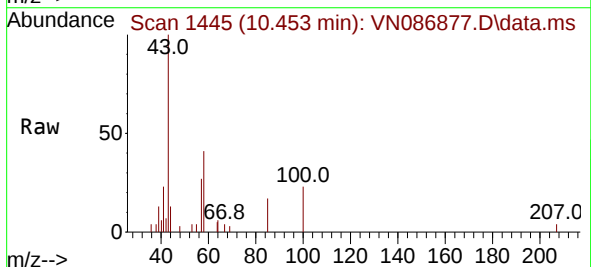
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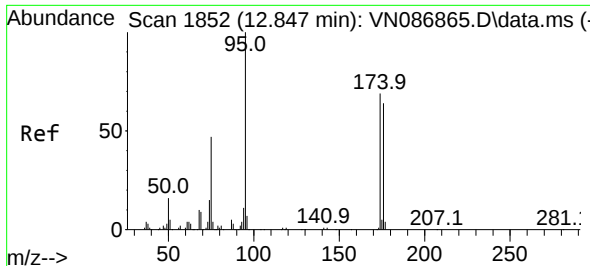
Tgt Ion: 98 Resp: 727475
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.768 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 43 Resp: 11511
Ion Ratio Lower Upper
43 100
58 38.4 34.2 51.4

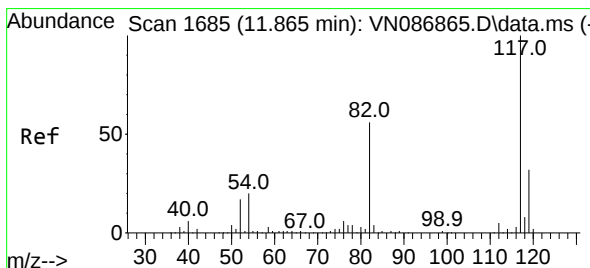
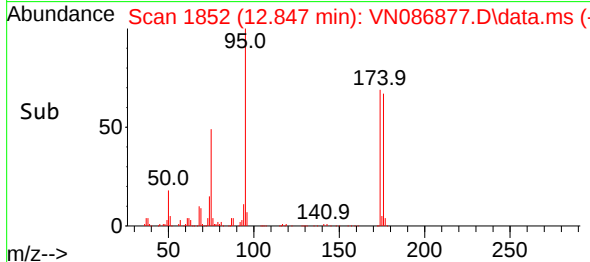
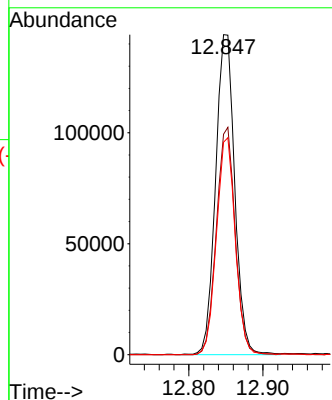
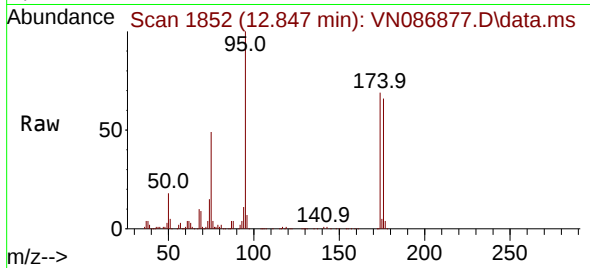




#62
4-Bromofluorobenzene
Concen: 49.588 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

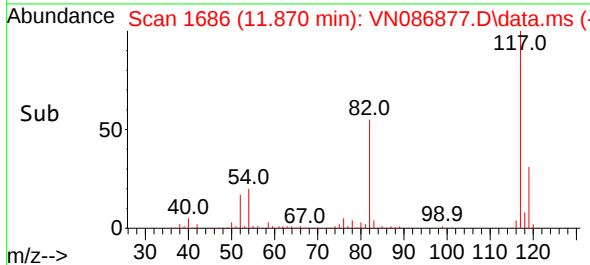
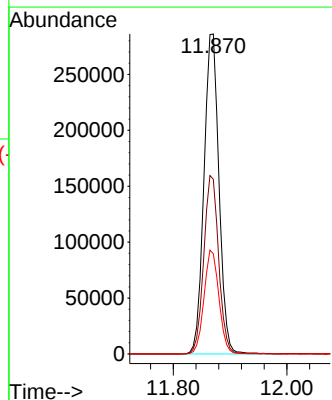
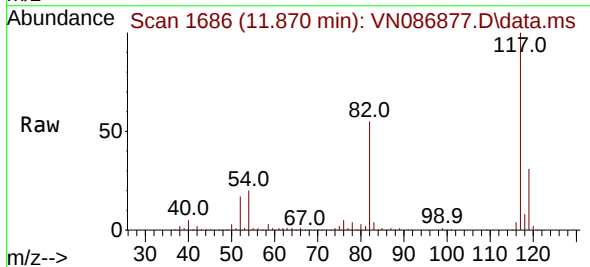
Instrument :
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3888

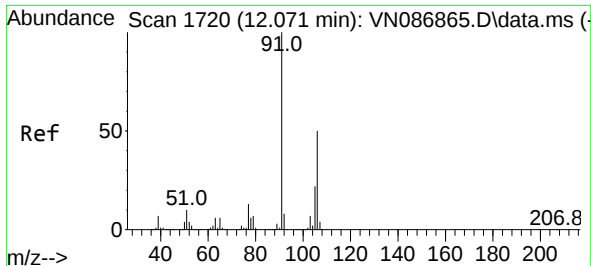
Tgt Ion: 95 Resp: 259099
Ion Ratio Lower Upper
95 100
174 69.6 0.0 141.8
176 66.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 117 Resp: 525276
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.3 25.5 38.3

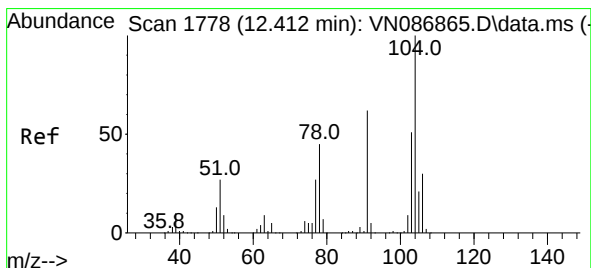
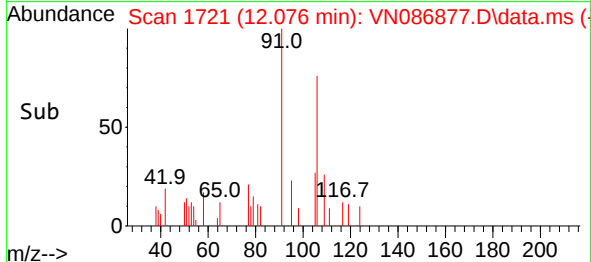
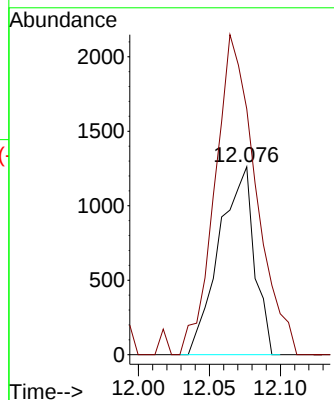
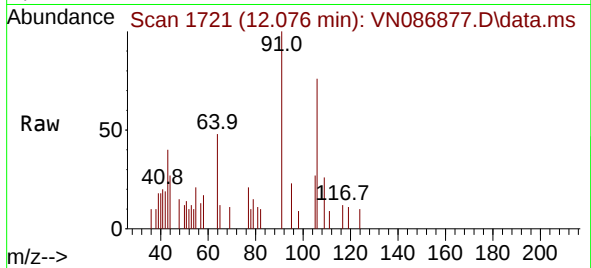




#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

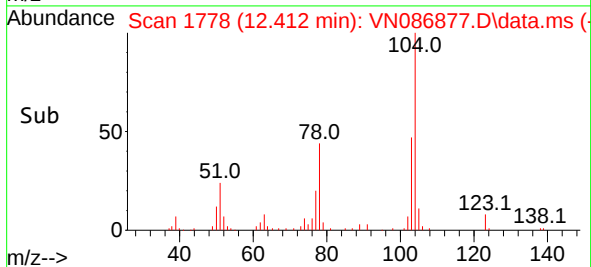
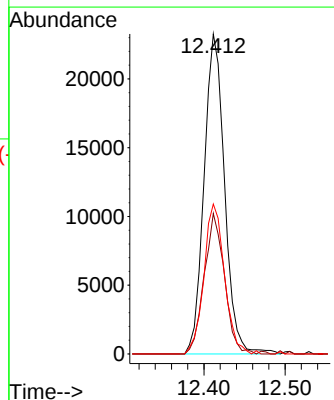
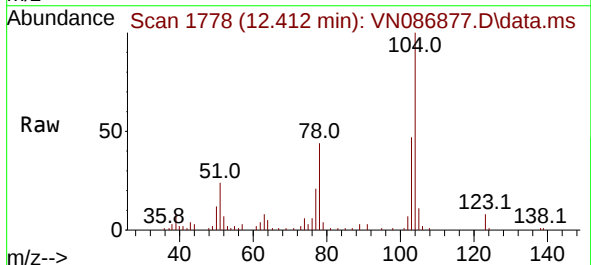
Instrument :
MSVOA_N
ClientSampleId :
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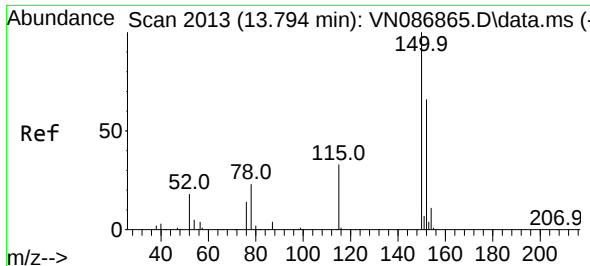
Tgt Ion:106 Resp: 2172
Ion Ratio Lower Upper
106 100
91 197.4 159.4 239.0



#70
Styrene
Concen: 3.261 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion:104 Resp: 40823
Ion Ratio Lower Upper
104 100
78 43.3 38.5 57.7
103 47.0 43.1 64.7

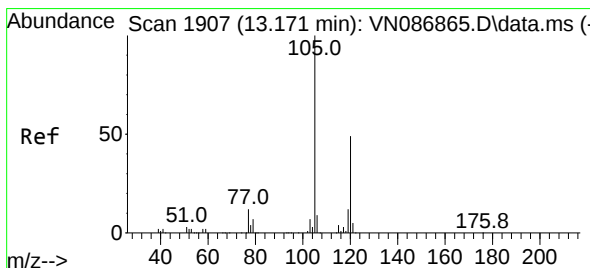
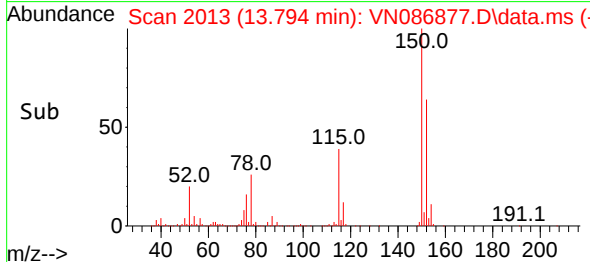
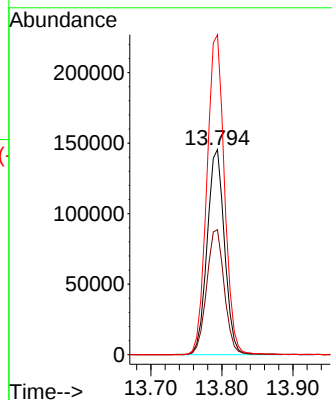
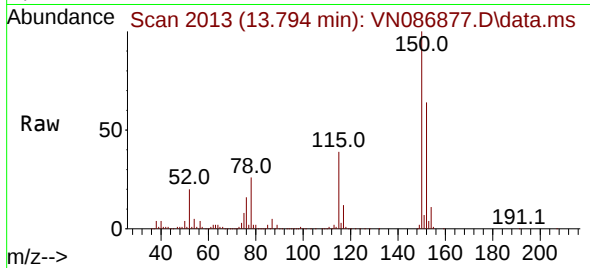




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086877.D
 Acq: 06 Jun 2025 19:28

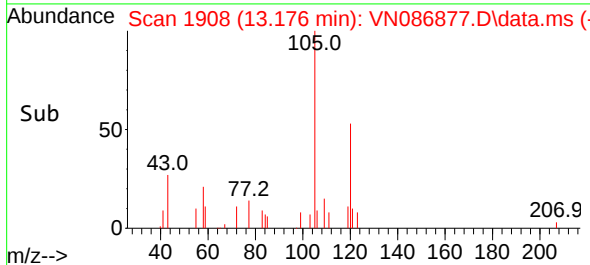
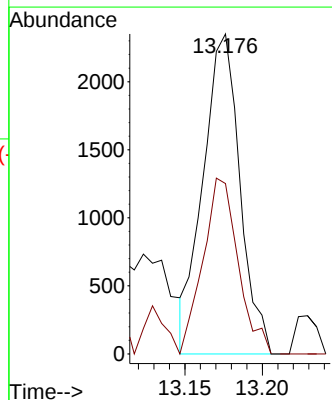
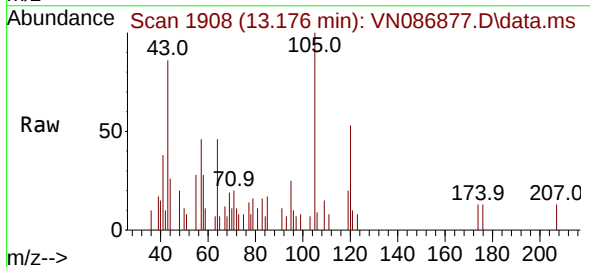
Instrument :
 MSVOA_N
 ClientSampleId :
 3888

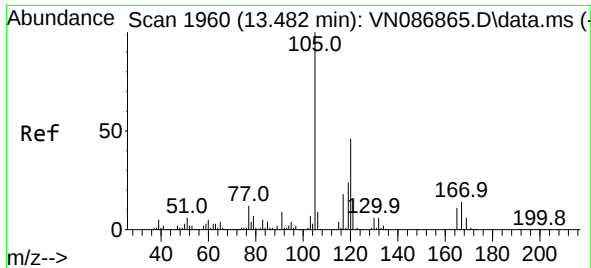
Tgt Ion:152 Resp: 247165
 Ion Ratio Lower Upper
 152 100
 115 62.4 30.1 90.5
 150 157.9 0.0 345.0



#80
 1,3,5-Trimethylbenzene
 Concen: 0.262 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VN086877.D
 Acq: 06 Jun 2025 19:28

Tgt Ion:105 Resp: 3895
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.9 74.6





#84
1,2,4-Trimethylbenzene
Concen: 0.526 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Instrument :
MSVOA_N
ClientSampleId :
3888

Tgt Ion:105 Resp: 7846
Ion Ratio Lower Upper
105 100
120 46.2 23.2 69.6

