

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN086999.D
 Acq On : 13 Jun 2025 14:10
 Operator : JC\MD
 Sample : Q2282-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 251233

Quant Time: Jun 13 14:29:53 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)

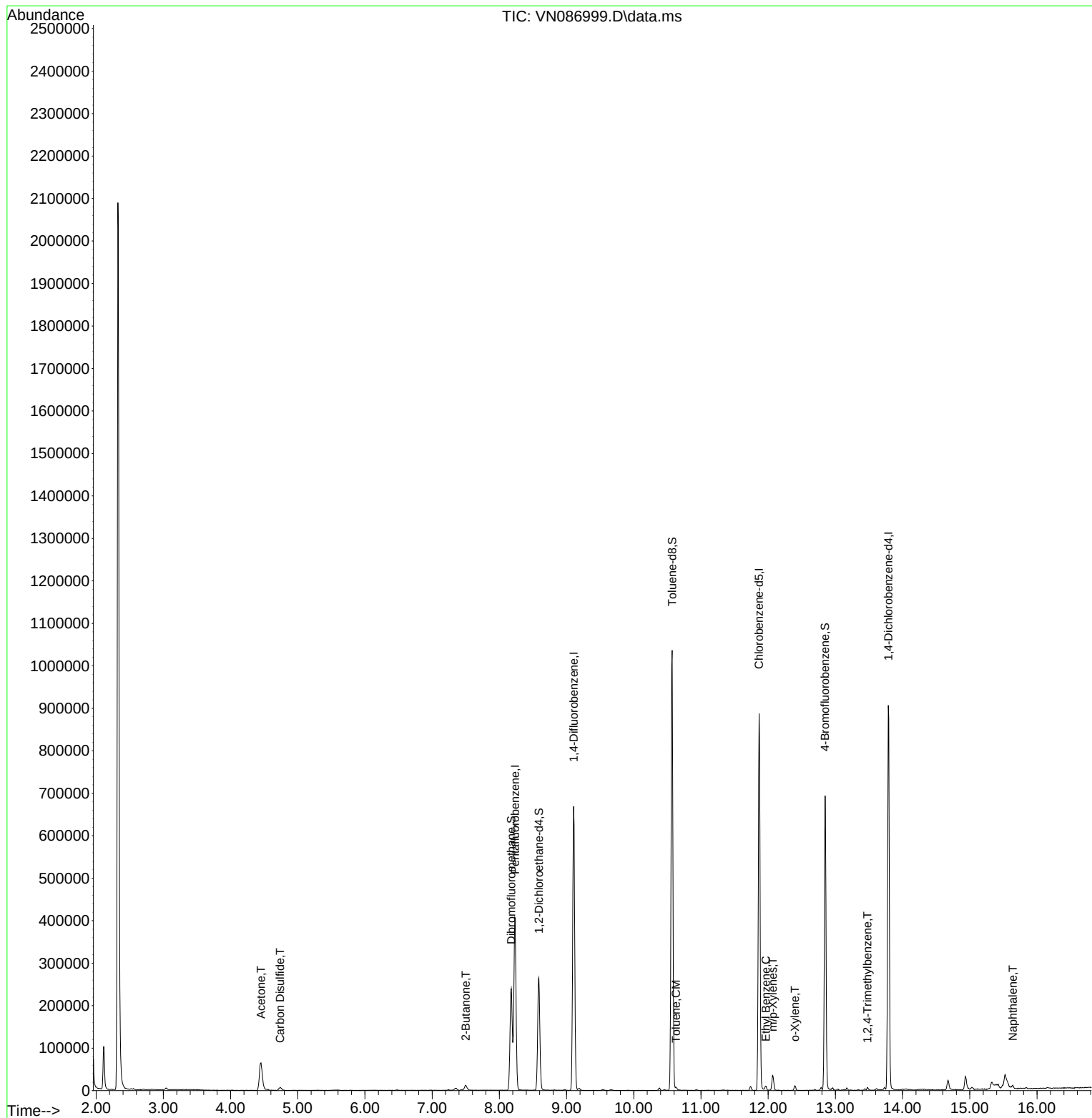
Internal Standards						
1) Pentafluorobenzene	8.235	168	321790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	632554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	566437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	271006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	216711	50.300	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.600%		
35) Dibromofluoromethane	8.177	113	189018	50.423	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.840%		
50) Toluene-d8	10.571	98	770607	51.928	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.860%		
62) 4-Bromofluorobenzene	12.847	95	274648	49.814	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.620%		
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	131140	57.397	ug/l	98
17) Carbon Disulfide	4.736	76	11120	1.122	ug/l	100
25) 2-Butanone	7.500	43	20817	5.605	ug/l	95
52) Toluene	10.629	92	2561	0.229	ug/l	92
67) Ethyl Benzene	11.965	91	8047	0.374	ug/l	93
68) m/p-Xylenes	12.071	106	12835	1.558	ug/l	100
69) o-Xylene	12.400	106	3457	0.438	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	4590	0.281	ug/l	94
95) Naphthalene	15.641	128	6495	0.319	ug/l	98

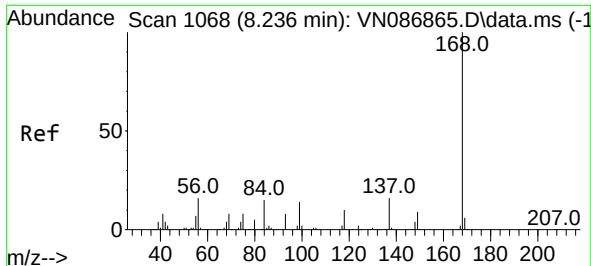
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

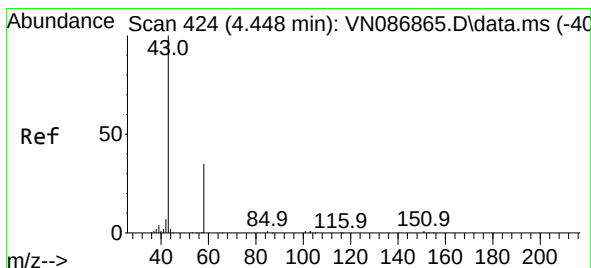
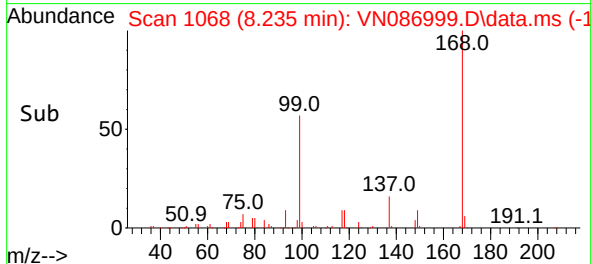
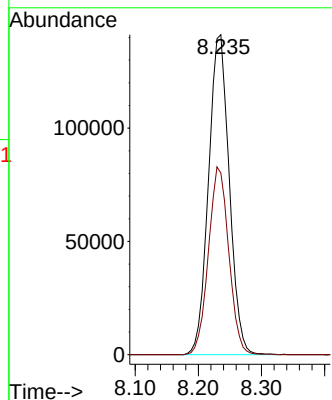
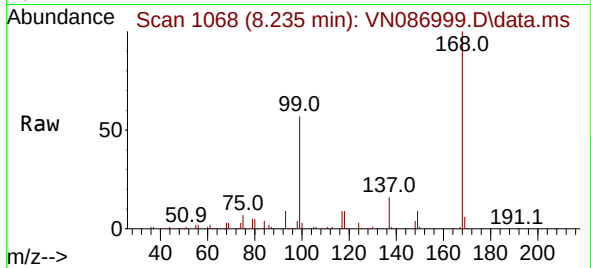




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

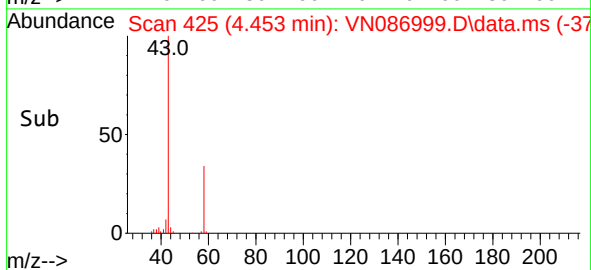
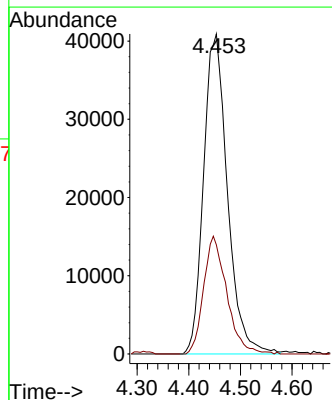
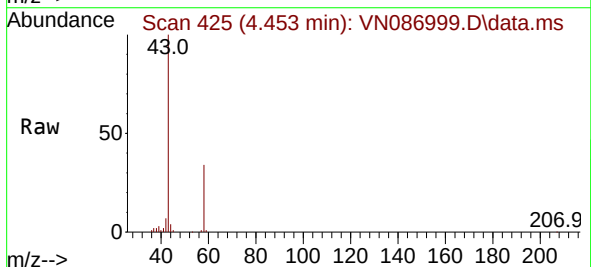
Instrument :
MSVOA_N
ClientSampleId :
251233

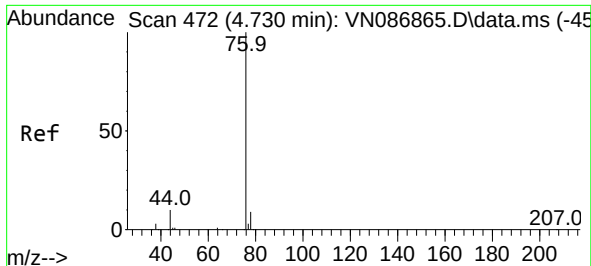
Tgt Ion:168 Resp: 321790
Ion Ratio Lower Upper
168 100
99 56.7 49.1 73.7



#16
Acetone
Concen: 57.397 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 43 Resp: 131140
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0

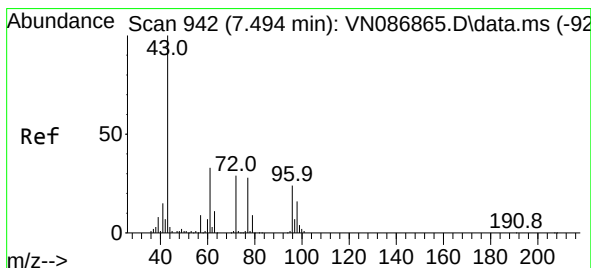
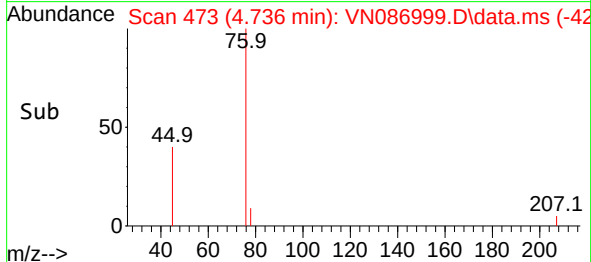
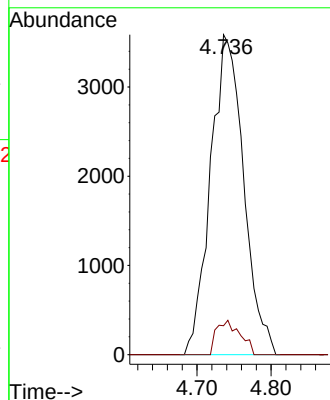
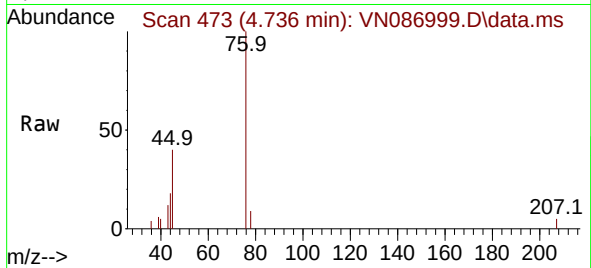




#17
Carbon Disulfide
Concen: 1.122 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

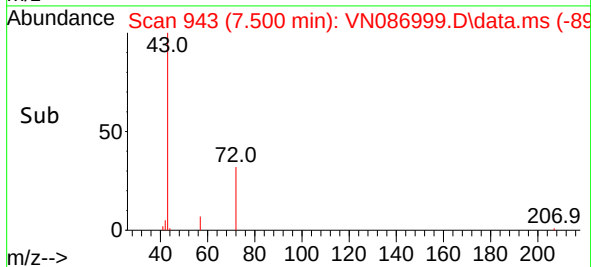
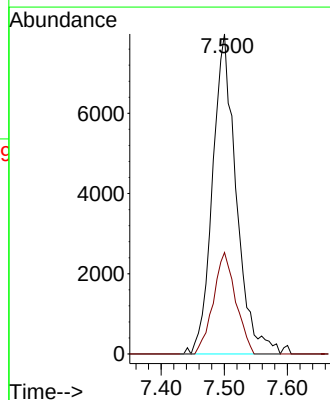
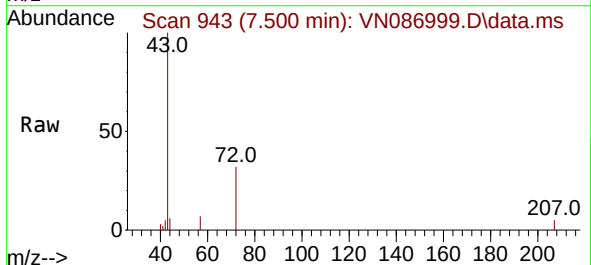
Instrument :
MSVOA_N
ClientSampleId :
251233

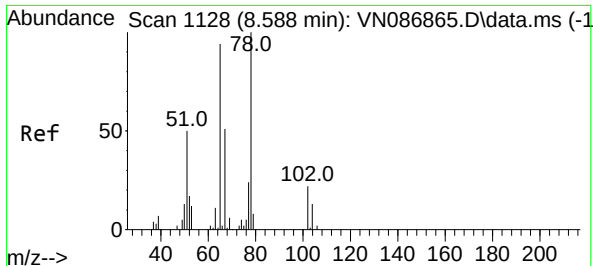
Tgt Ion: 76 Resp: 11120
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#25
2-Butanone
Concen: 5.605 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 43 Resp: 20817
Ion Ratio Lower Upper
43 100
72 31.7 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 50.300 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086999.D

Acq: 13 Jun 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

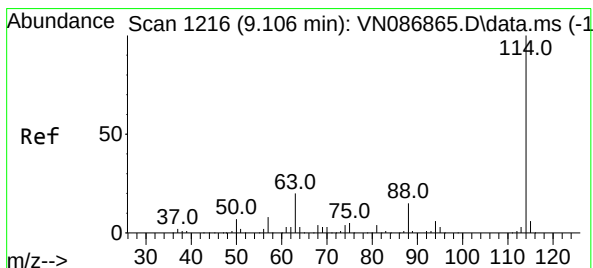
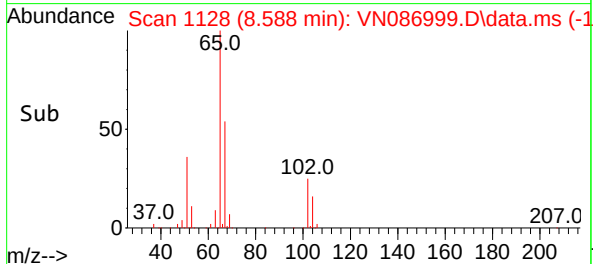
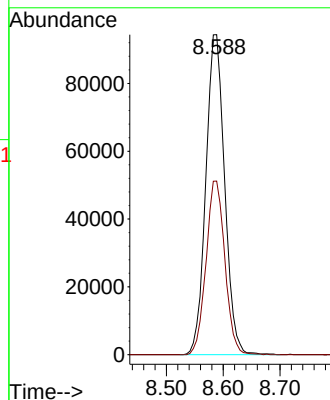
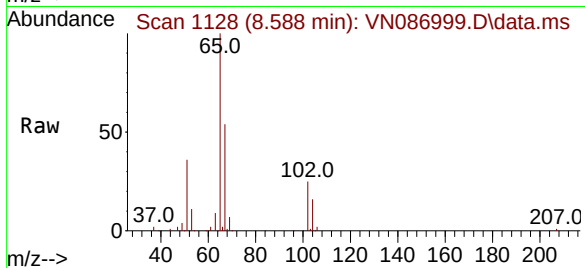
251233

Tgt Ion: 65 Resp: 216711

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086999.D

Acq: 13 Jun 2025 14:10

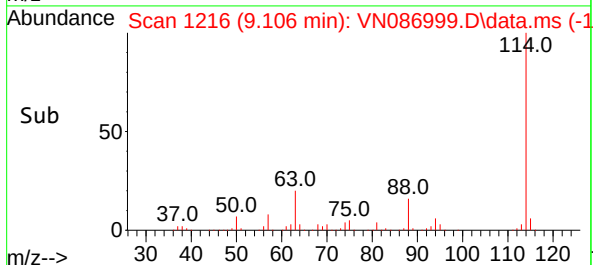
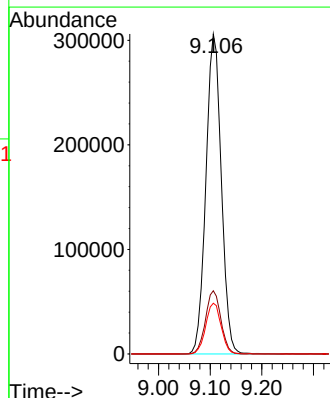
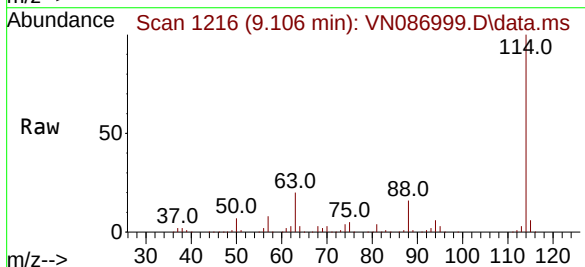
Tgt Ion: 114 Resp: 632554

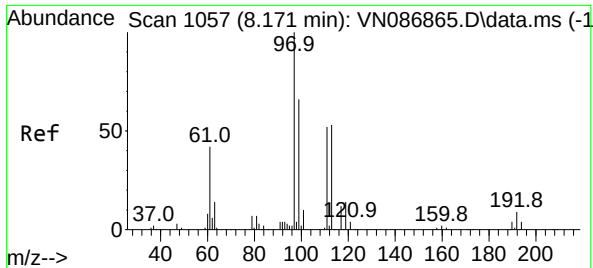
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.423 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086999.D

Acq: 13 Jun 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

251233

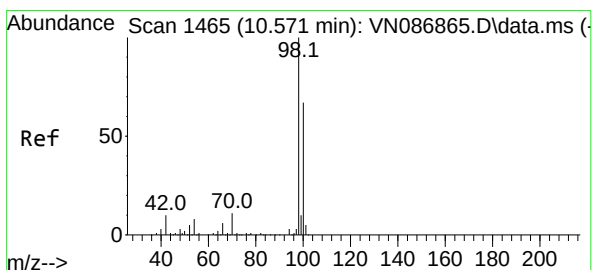
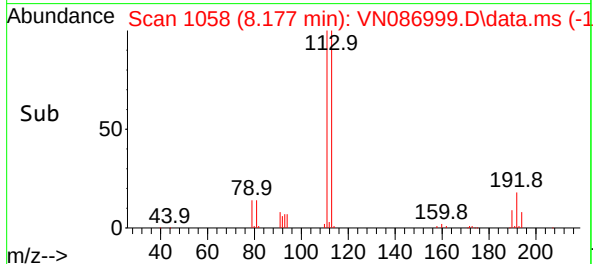
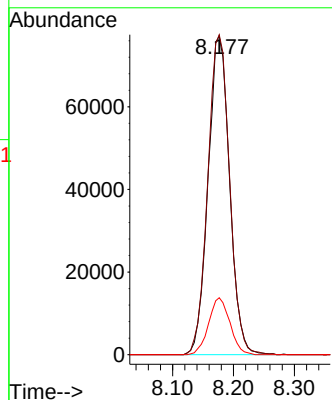
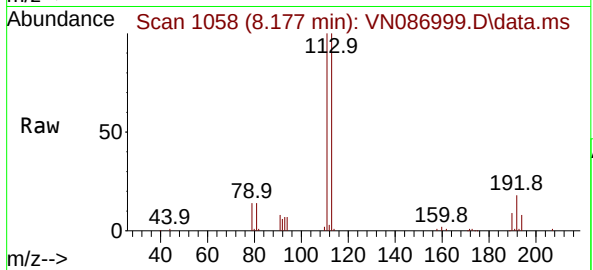
Tgt Ion:113 Resp: 189018

Ion Ratio Lower Upper

113 100

111 101.8 84.2 126.2

192 17.7 14.2 21.4



#50

Toluene-d8

Concen: 51.928 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086999.D

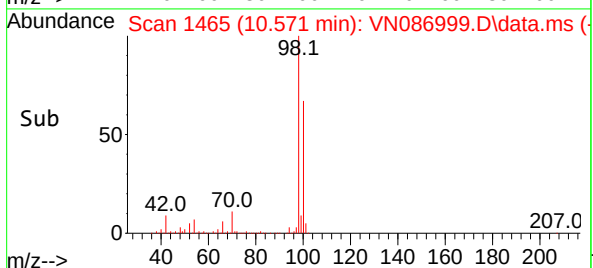
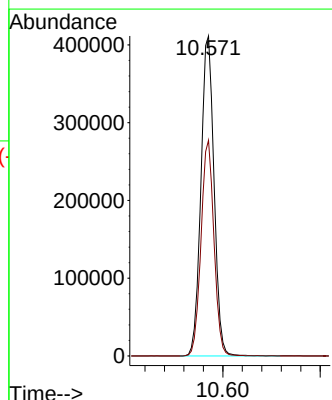
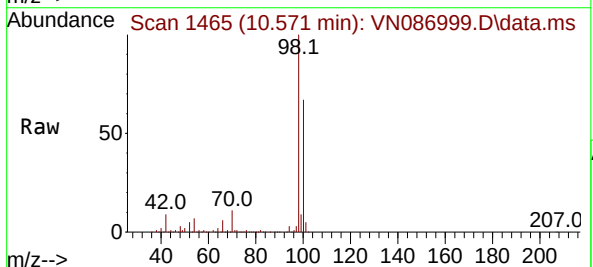
Acq: 13 Jun 2025 14:10

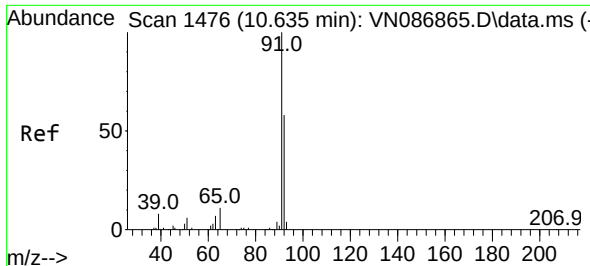
Tgt Ion: 98 Resp: 770607

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0

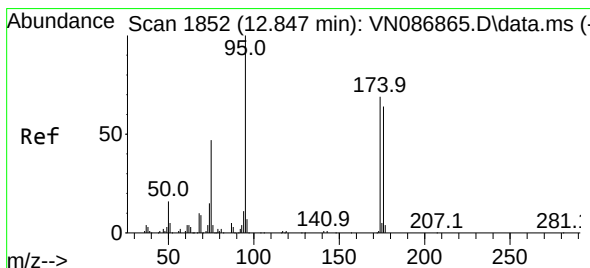
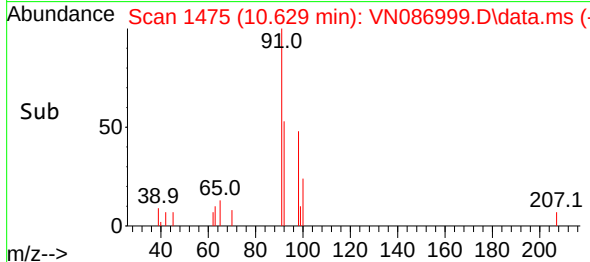
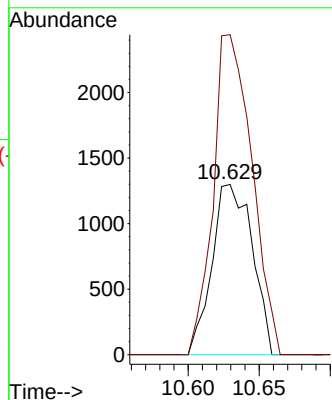
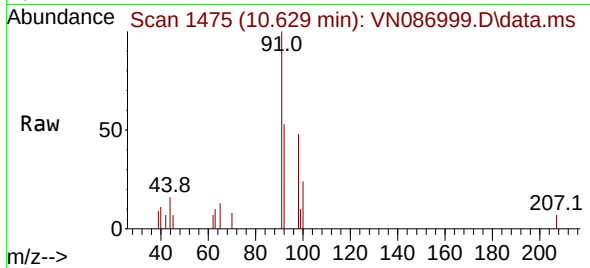




#52
Toluene
Concen: 0.229 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

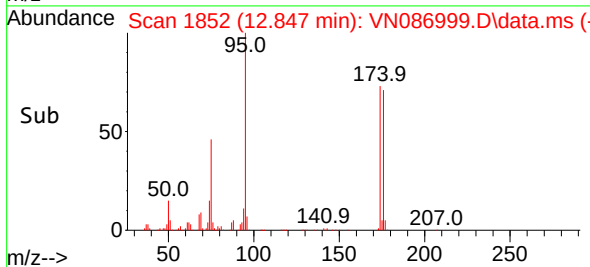
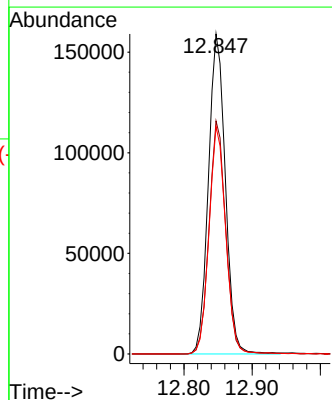
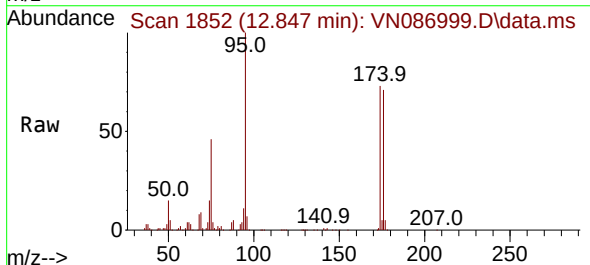
Instrument :
MSVOA_N
ClientSampleId :
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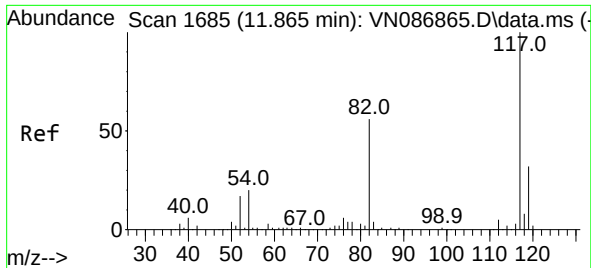
Tgt Ion: 92 Resp: 2561
Ion Ratio Lower Upper
92 100
91 181.0 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 49.814 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 95 Resp: 274648
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.8
176 70.3 0.0 132.6

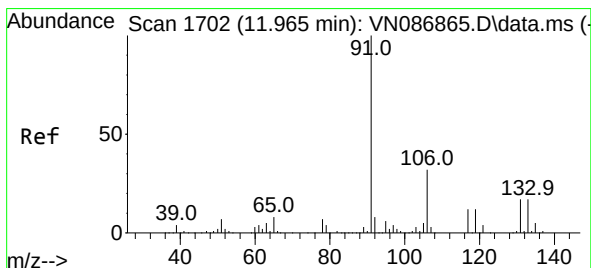
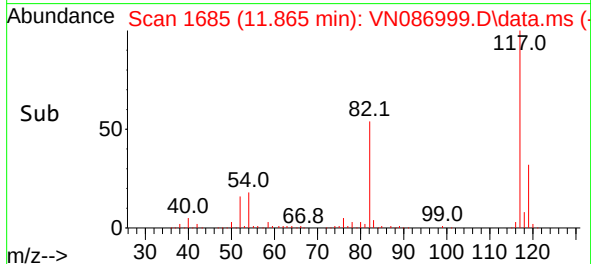
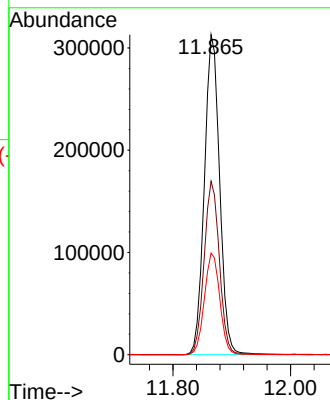
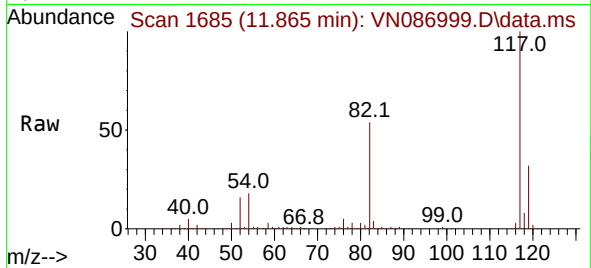




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

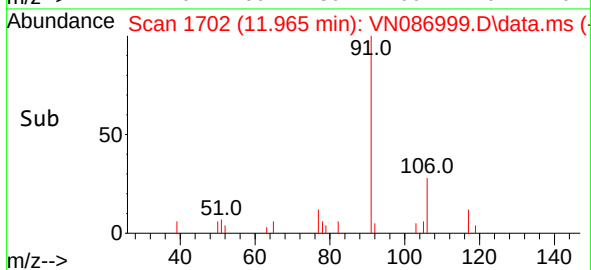
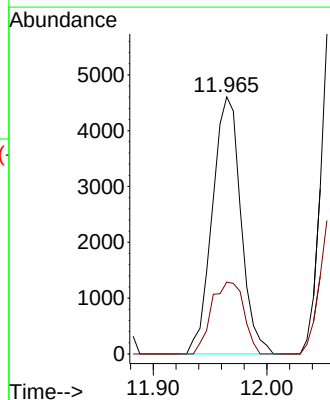
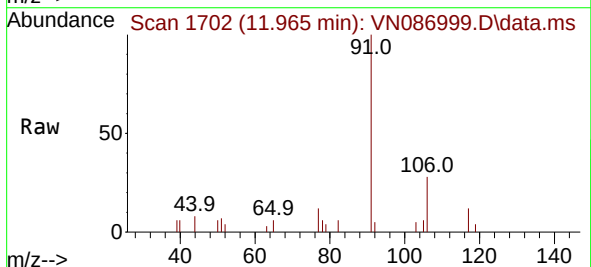
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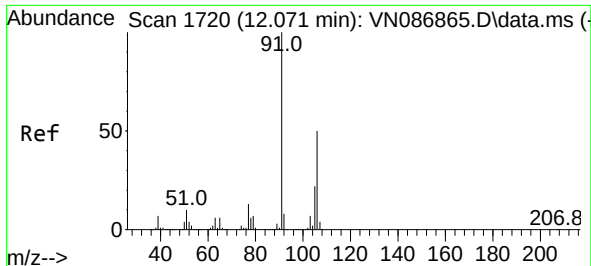
Tgt Ion:117 Resp: 566437
Ion Ratio Lower Upper
117 100
82 54.2 44.6 67.0
119 31.7 25.5 38.3



#67
Ethyl Benzene
Concen: 0.374 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 91 Resp: 8047
Ion Ratio Lower Upper
91 100
106 27.9 25.4 38.2

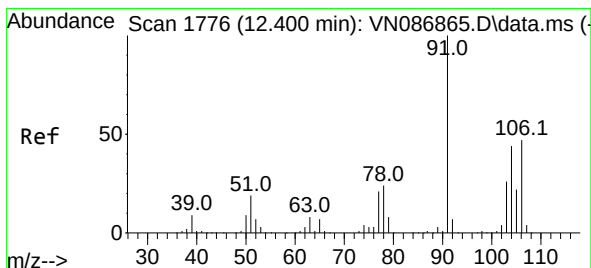
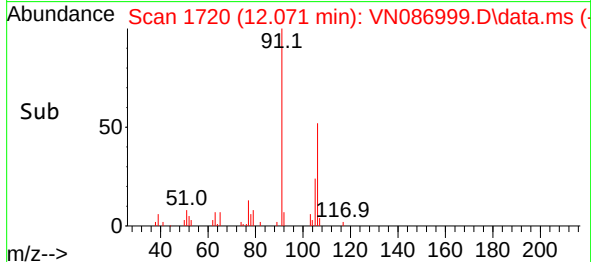
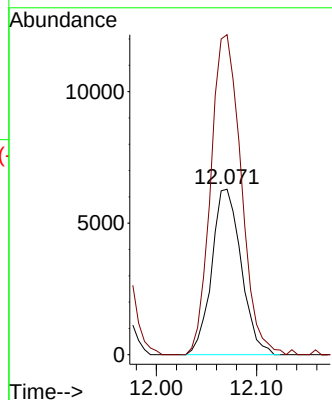
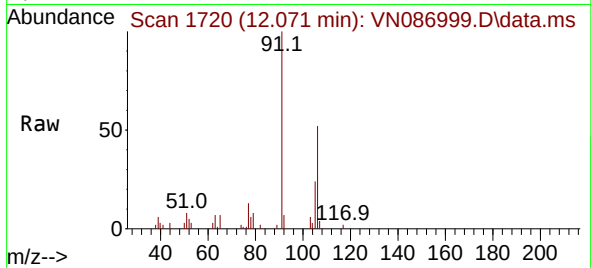




#68
m/p-Xylenes
Concen: 1.558 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

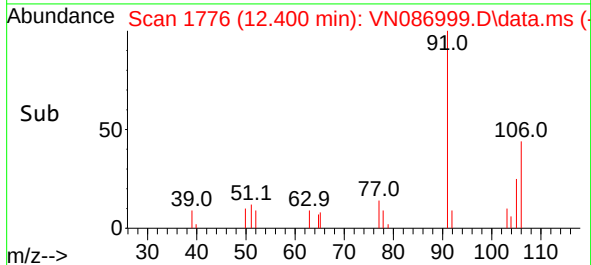
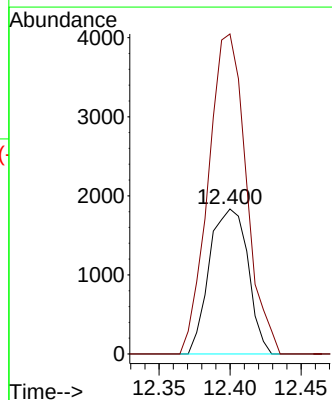
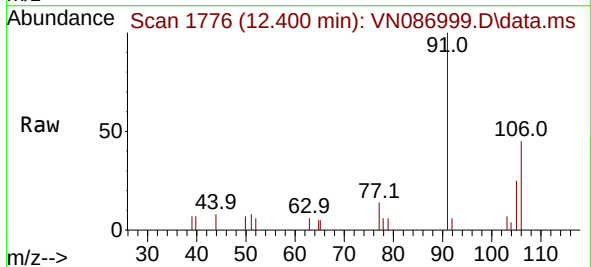
Instrument :
MSVOA_N
ClientSampleId :
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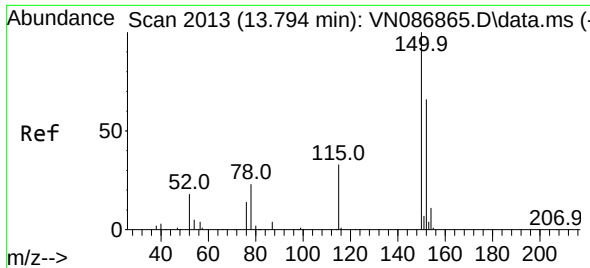
Tgt Ion:106 Resp: 12835
Ion Ratio Lower Upper
106 100
91 199.9 159.4 239.0



#69
o-Xylene
Concen: 0.438 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN086999.D
Acq: 13 Jun 2025 14:10

Tgt Ion:106 Resp: 3457
Ion Ratio Lower Upper
106 100
91 217.2 106.1 318.1

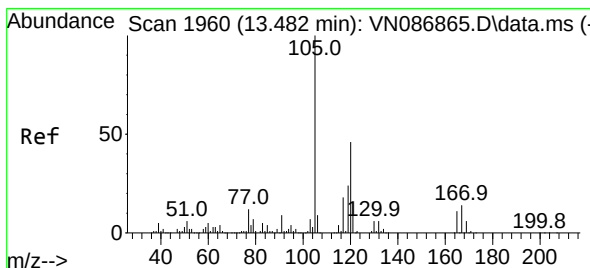
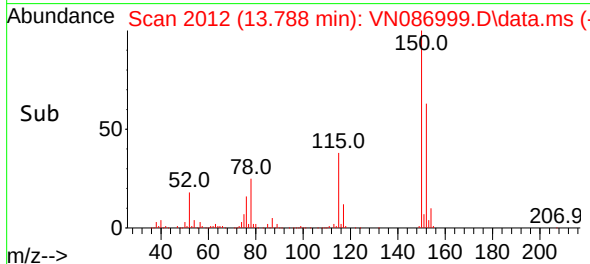
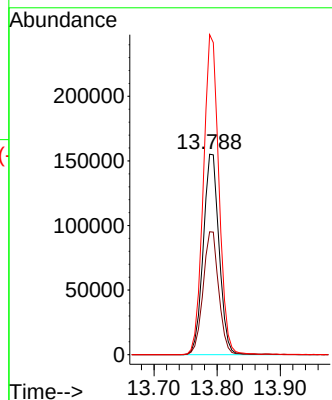
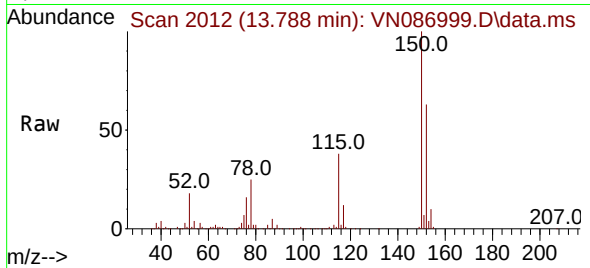




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN086999.D
 Acq: 13 Jun 2025 14:10

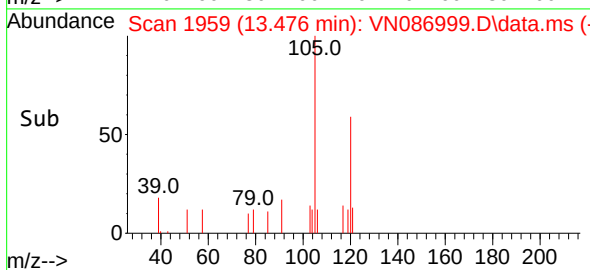
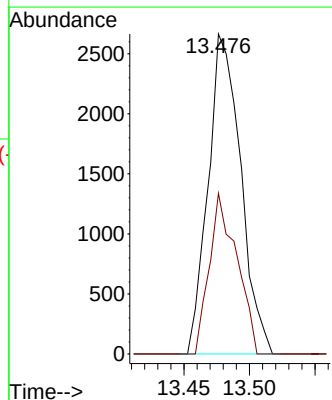
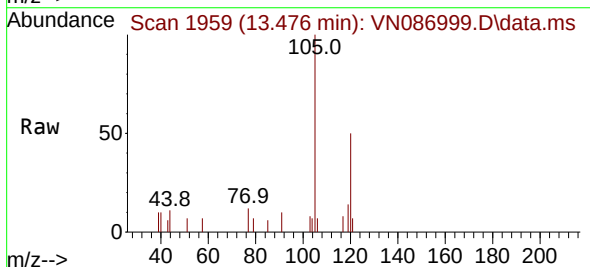
Instrument :
 MSVOA_N
 ClientSampleId :
 251233

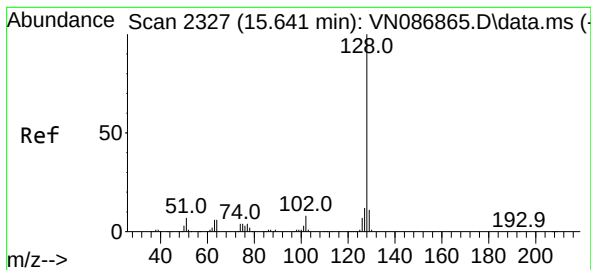
Tgt Ion:152 Resp: 271006
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.1 90.5
 150 156.2 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.281 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN086999.D
 Acq: 13 Jun 2025 14:10

Tgt Ion:105 Resp: 4590
 Ion Ratio Lower Upper
 105 100
 120 42.4 23.2 69.6





#95

Naphthalene

Concen: 0.319 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086999.D

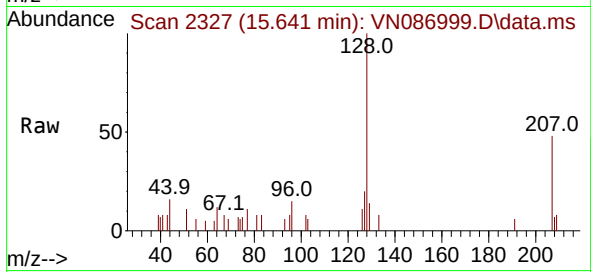
Acq: 13 Jun 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

251233



Tgt Ion:128 Resp: 6495

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.2 8.8 13.2

