

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087155.D
 Acq On : 24 Jun 2025 14:44
 Operator : JC\MD
 Sample : Q2366-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250528063-02

Quant Time: Jun 25 04:19:02 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)

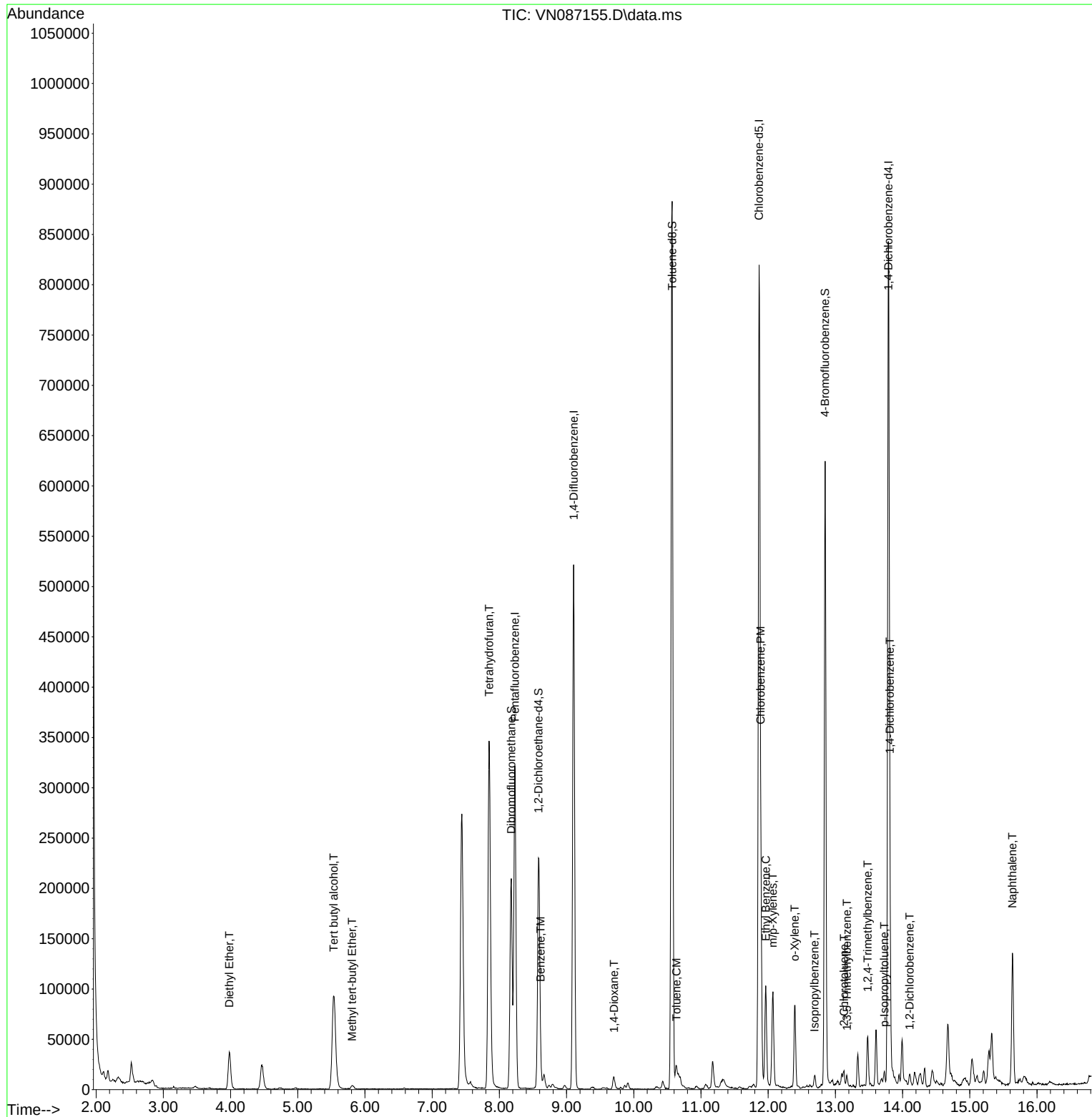
Internal Standards						
1) Pentafluorobenzene	8.230	168	238920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	466655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	490070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	231712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	190316	59.495	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.980%
35) Dibromofluoromethane	8.177	113	158537	57.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	114.660%
50) Toluene-d8	10.571	98	634148	57.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	115.840%#
62) 4-Bromofluorobenzene	12.847	95	236797	58.217	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.440%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.983	74	22624	12.525	ug/l	96
11) Tert butyl alcohol	5.536	59	199487	229.828	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	5509	0.572	ug/l	98
29) Tetrahydrofuran	7.847	42	286410	159.447	ug/l	97
40) Benzene	8.612	78	12221	0.907	ug/l	98
49) 1,4-Dioxane	9.706	88	10518	149.192	ug/l #	96
52) Toluene	10.635	92	8439	1.025	ug/l	93
65) Chlorobenzene	11.888	112	107622	9.957	ug/l	98
67) Ethyl Benzene	11.965	91	70298	3.776	ug/l	96
68) m/p-Xylenes	12.071	106	33095	4.644	ug/l	100
69) o-Xylene	12.394	106	23854	3.495	ug/l	97
73) Isopropylbenzene	12.688	105	8496	0.503	ug/l	98
79) 2-Chlorotoluene	13.129	91	7790	0.633	ug/l	95
80) 1,3,5-Trimethylbenzene	13.171	105	6103	0.438	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	29222	2.091	ug/l	99
86) p-Isopropyltoluene	13.729	119	6634	0.433	ug/l	91
88) 1,4-Dichlorobenzene	13.812	146	57691	7.429	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	3617	0.494	ug/l	96
95) Naphthalene	15.635	128	127100	7.308	ug/l	99

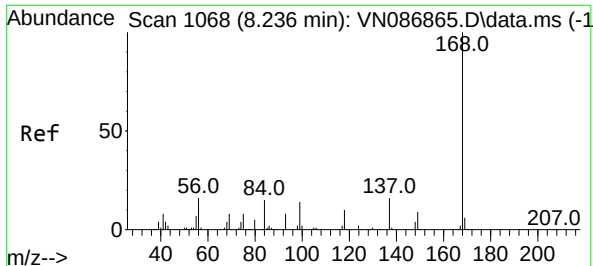
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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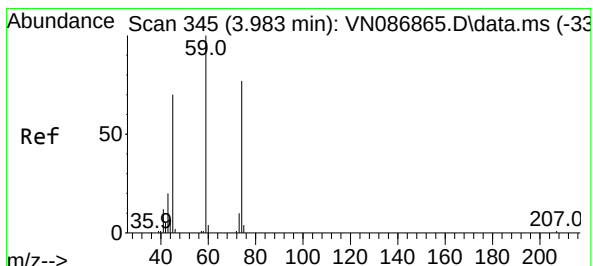
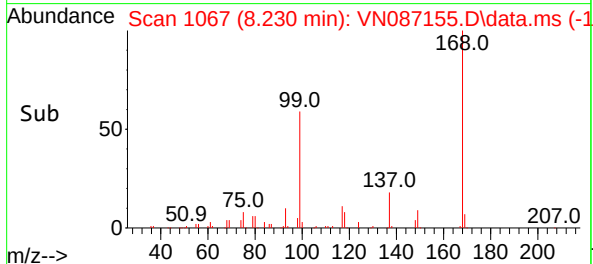
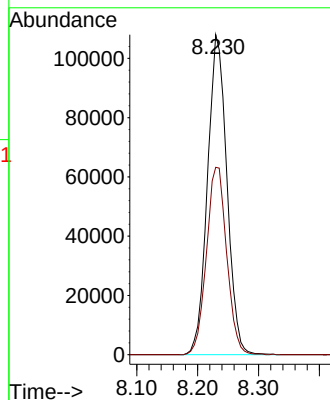
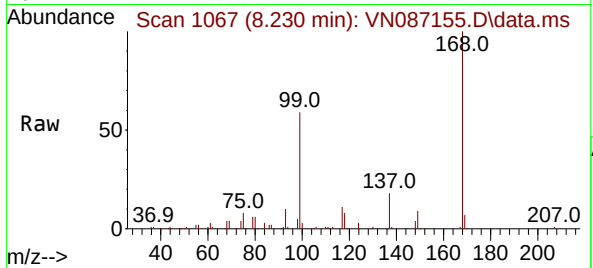




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

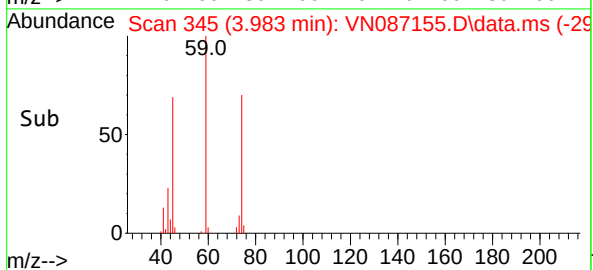
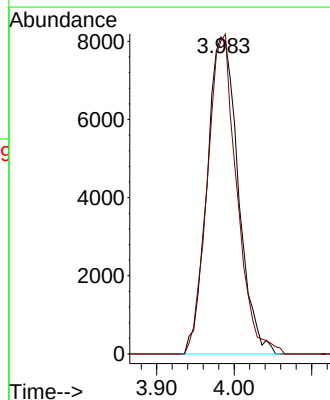
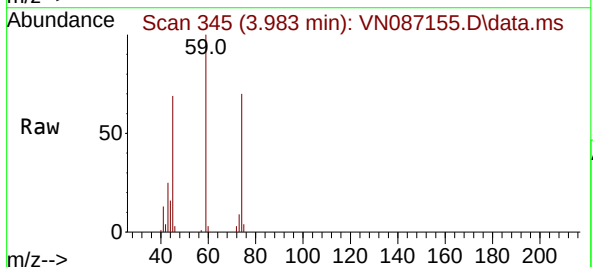
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

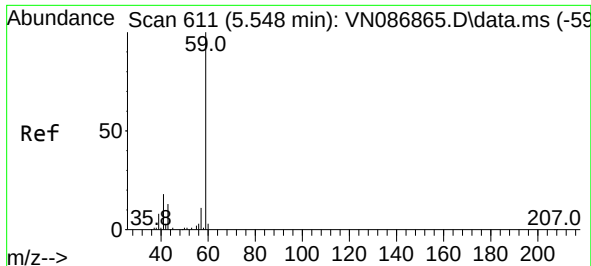
Tgt Ion:168 Resp: 238920
Ion Ratio Lower Upper
168 100
99 58.6 49.1 73.7



#8
Diethyl Ether
Concen: 12.525 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 74 Resp: 22624
Ion Ratio Lower Upper
74 100
45 95.0 45.5 136.5

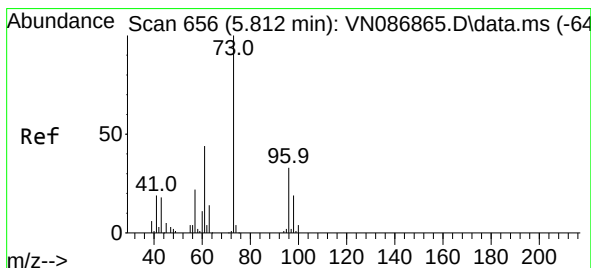
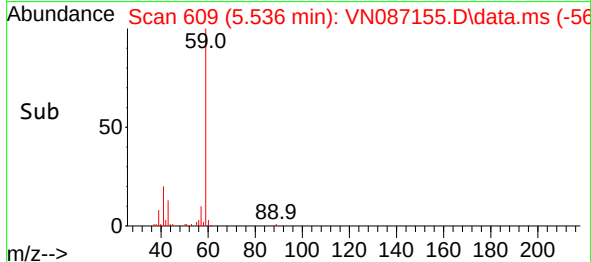
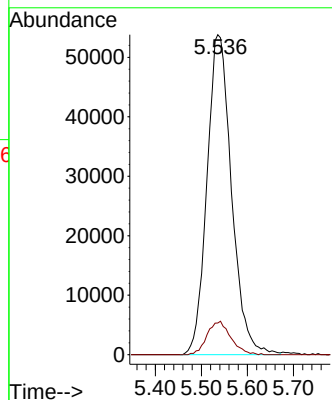
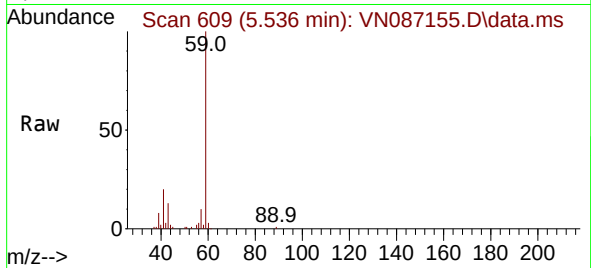




#11
Tert butyl alcohol
Concen: 229.828 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

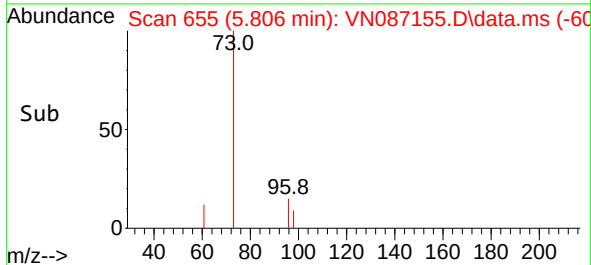
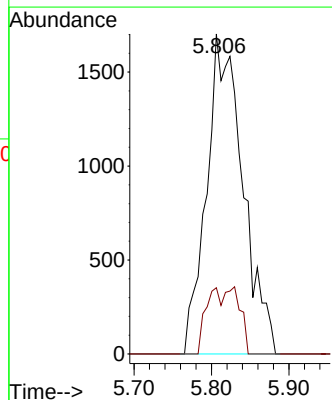
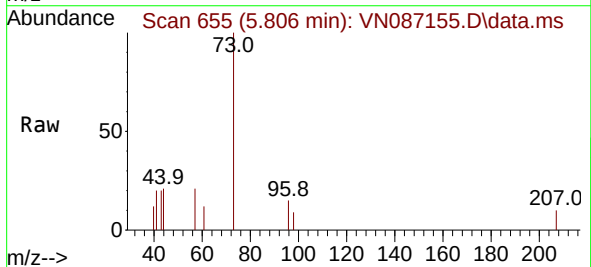
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MSVOA_N
ClientSampleId :
250528063-02

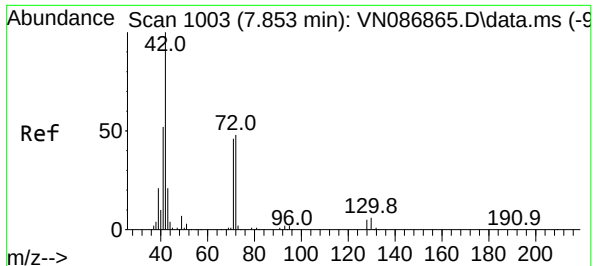
Tgt Ion: 59 Resp: 199487
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#19
Methyl tert-butyl Ether
Concen: 0.572 ug/l
RT: 5.806 min Scan# 655
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 73 Resp: 5509
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.2





#29

Tetrahydrofuran

Concen: 159.447 ug/l

RT: 7.847 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN087155.D

Acq: 24 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

250528063-02

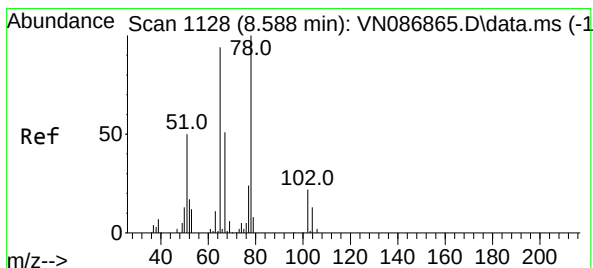
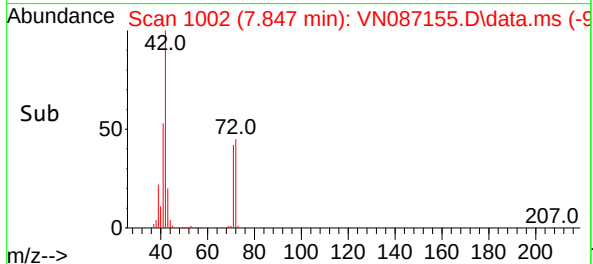
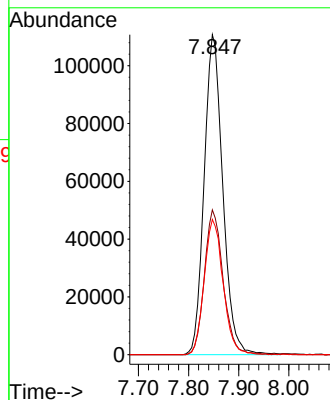
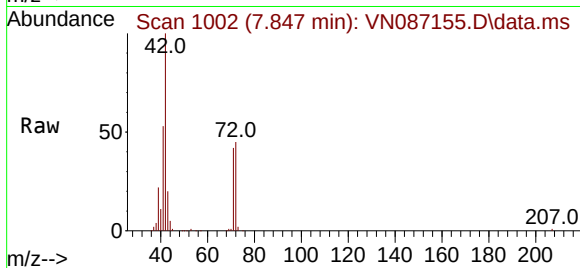
Tgt Ion: 42 Resp: 286410

Ion Ratio Lower Upper

42 100

72 45.4 37.8 56.6

71 42.8 35.6 53.4



#33

1,2-Dichloroethane-d4

Concen: 59.495 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087155.D

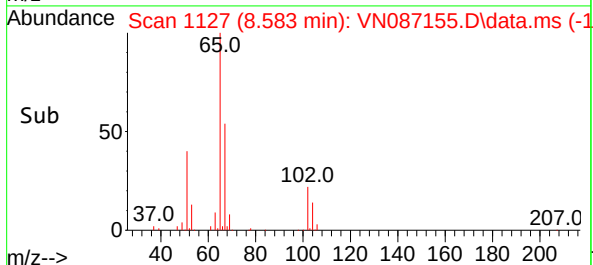
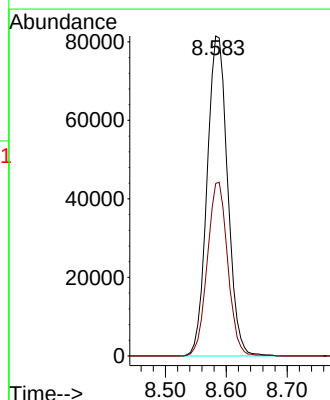
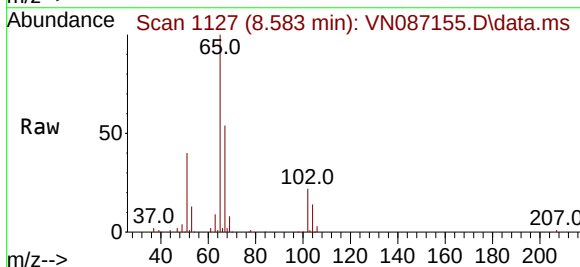
Acq: 24 Jun 2025 14:44

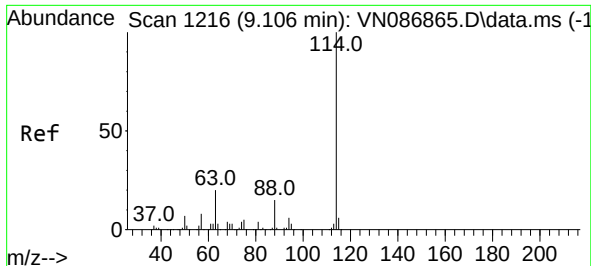
Tgt Ion: 65 Resp: 190316

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.6

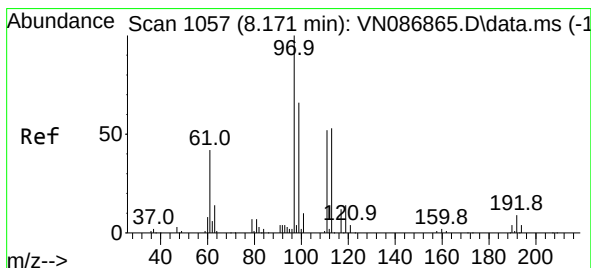
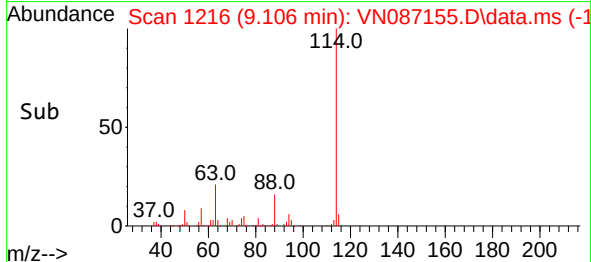
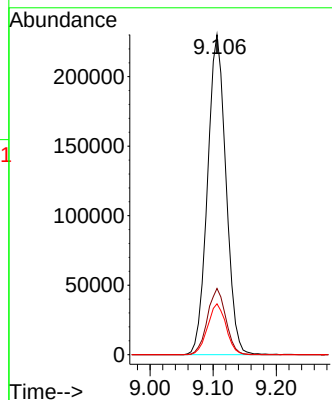
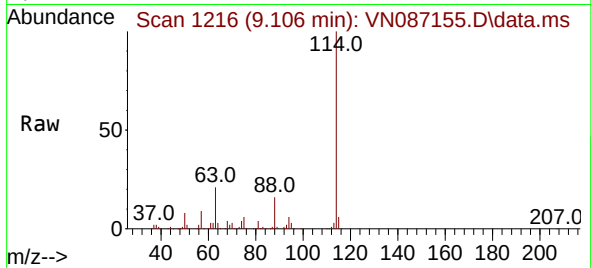




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

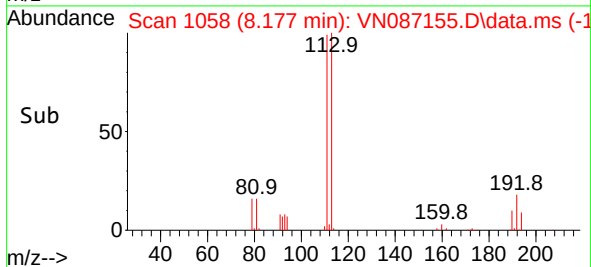
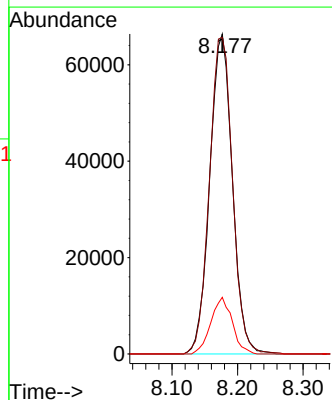
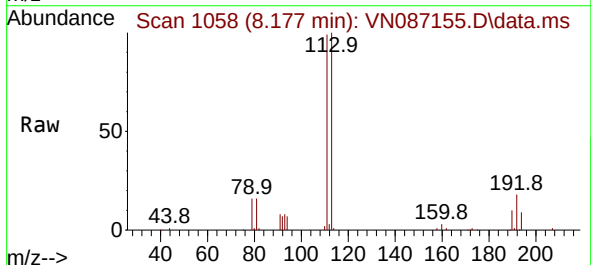
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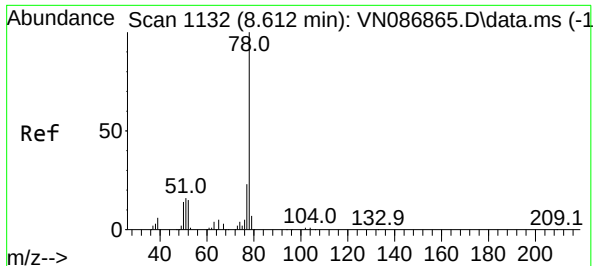
Tgt Ion:114 Resp: 466655
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 15.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 57.327 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion:113 Resp: 158537
Ion Ratio Lower Upper
113 100
111 101.2 84.2 126.2
192 16.8 14.2 21.4

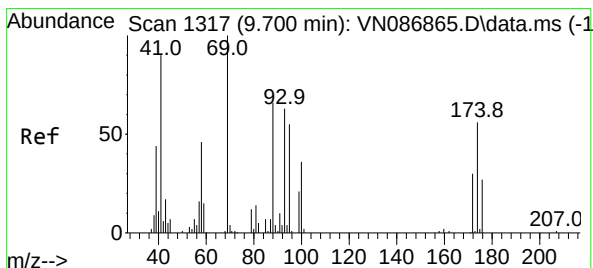
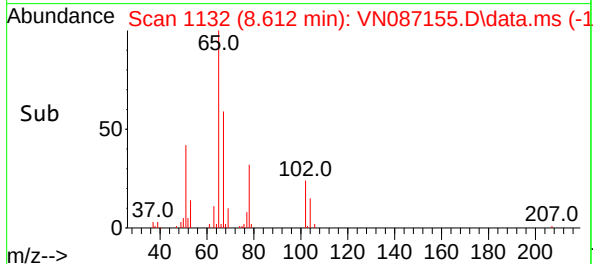
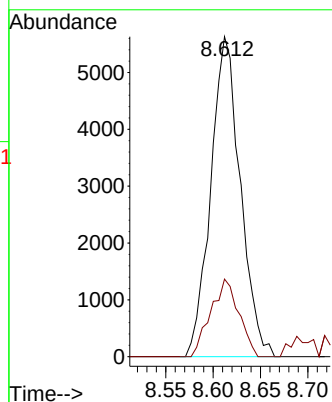
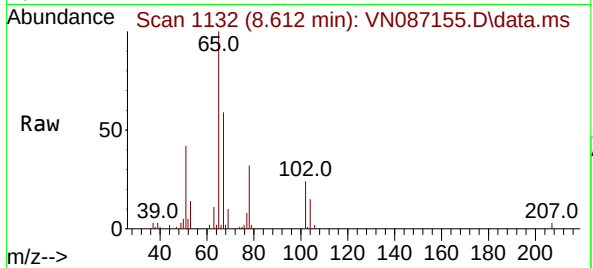




#40
Benzene
Concen: 0.907 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

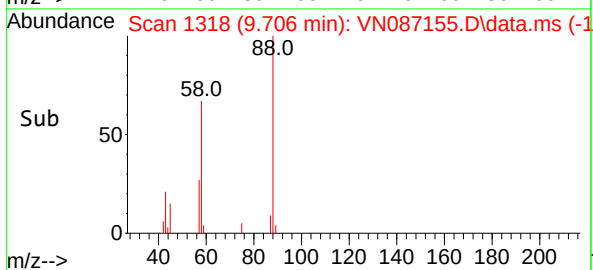
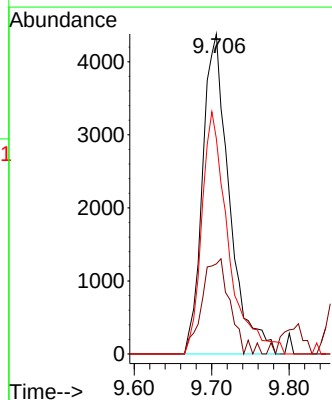
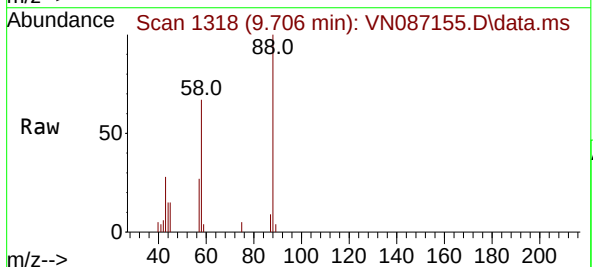
Instrument :
MSVOA_N
ClientSampleId :
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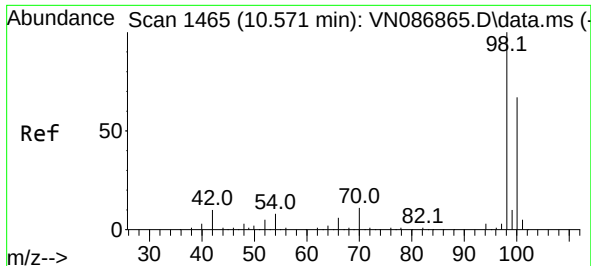
Tgt Ion: 78 Resp: 12221
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



#49
1,4-Dioxane
Concen: 149.192 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 88 Resp: 10518
Ion Ratio Lower Upper
88 100
43 31.1 0.0 0.0#
58 75.1 57.7 86.5

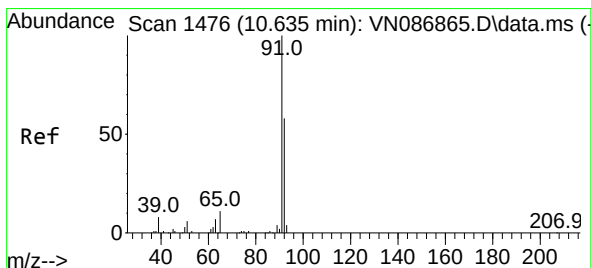
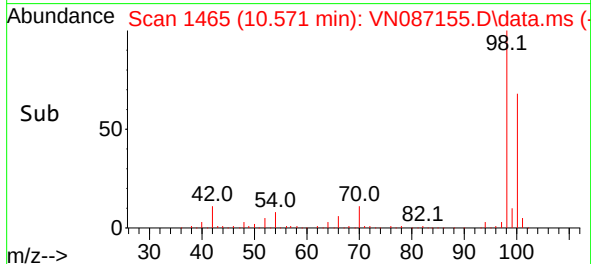
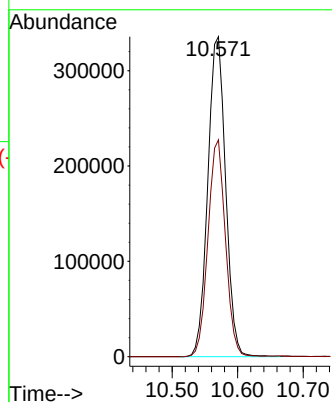
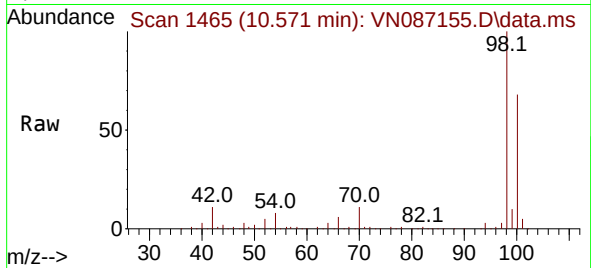




#50
Toluene-d8
Concen: 57.924 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

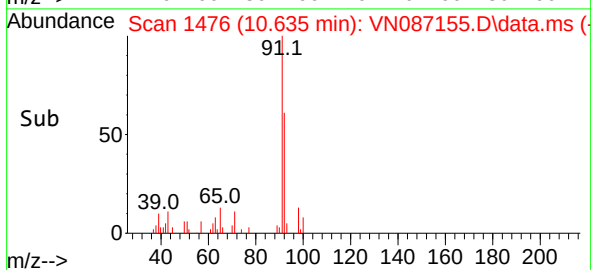
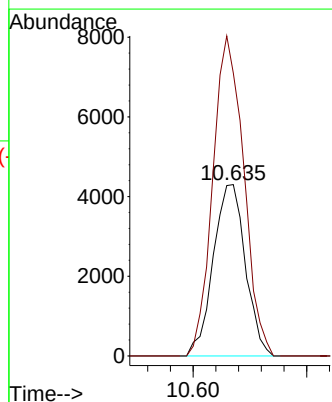
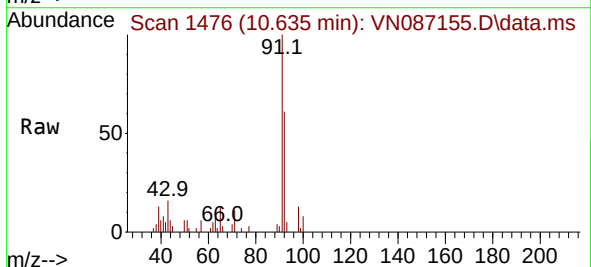
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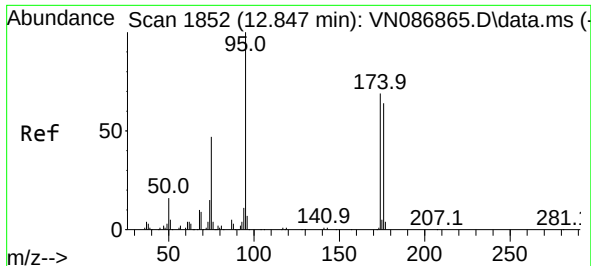
Tgt Ion: 98 Resp: 634148
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#52
Toluene
Concen: 1.025 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 92 Resp: 8439
Ion Ratio Lower Upper
92 100
91 179.9 136.5 204.7

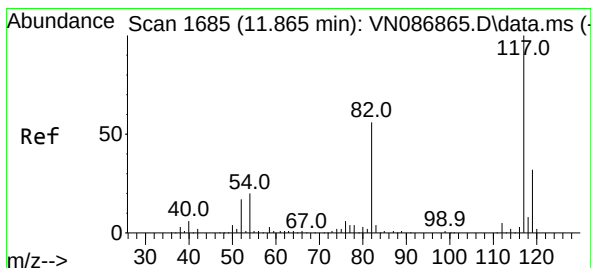
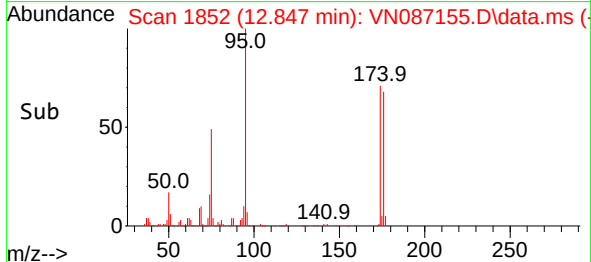
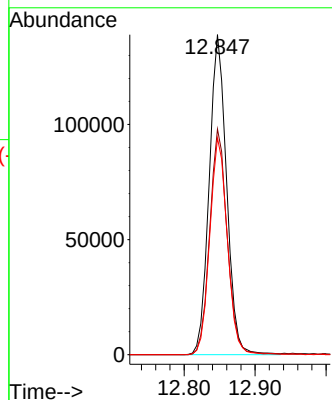
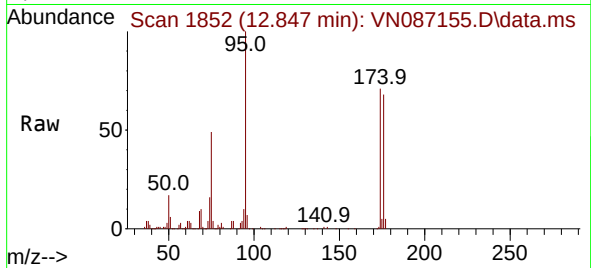




#62
4-Bromofluorobenzene
Concen: 58.217 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

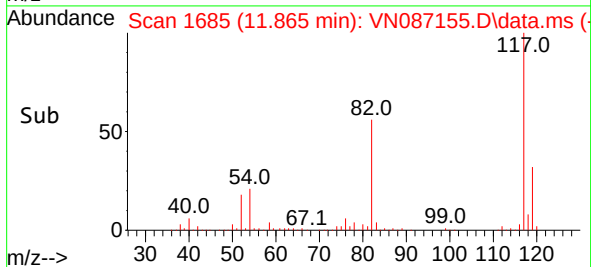
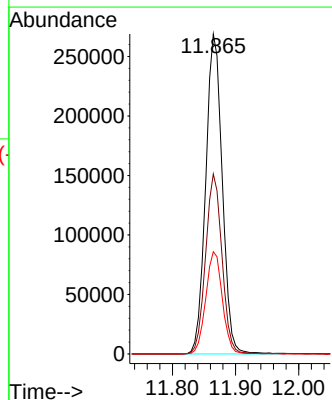
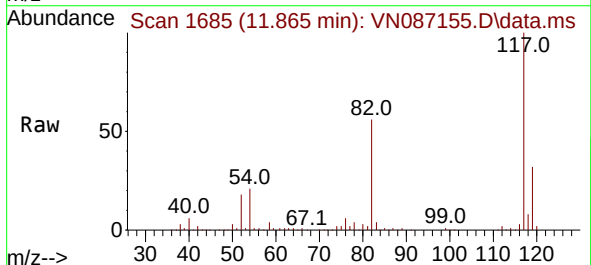
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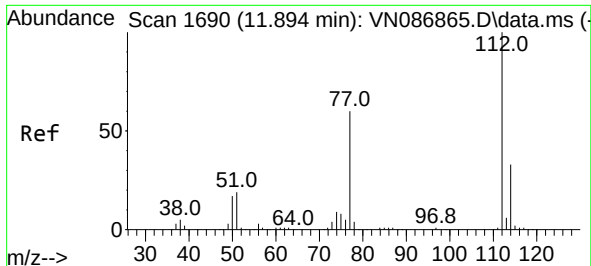
Tgt Ion: 95 Resp: 236797
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 117 Resp: 490070
Ion Ratio Lower Upper
117 100
82 56.2 44.6 67.0
119 32.0 25.5 38.3

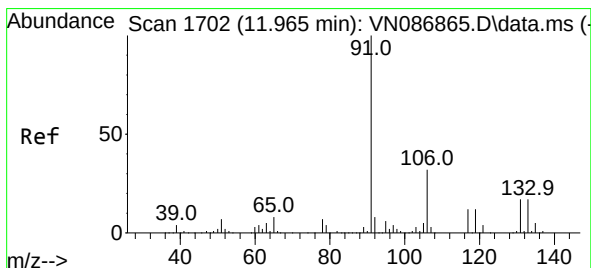
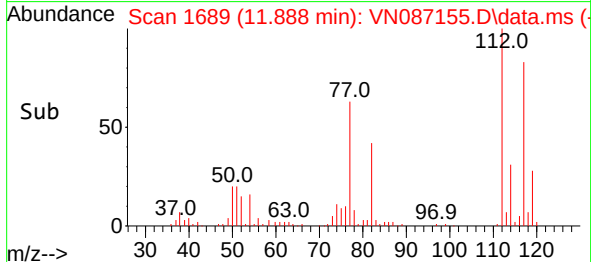
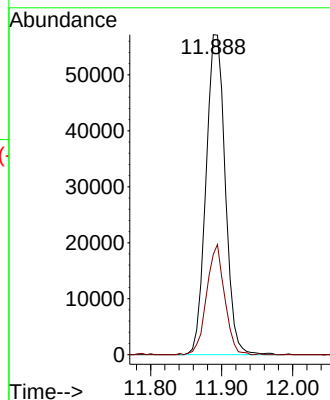
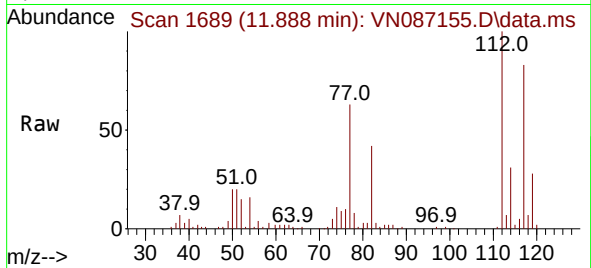




#65
Chlorobenzene
Concen: 9.957 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

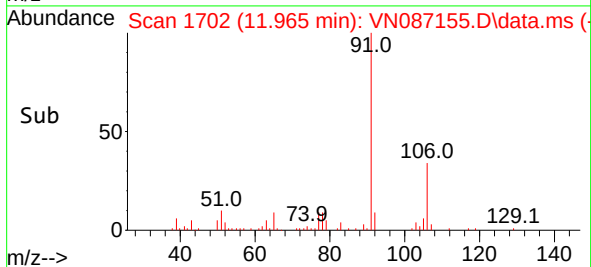
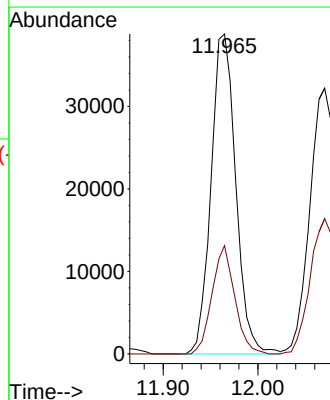
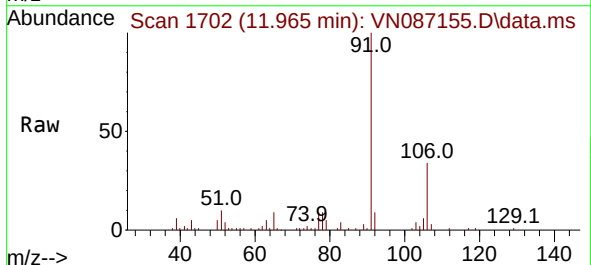
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

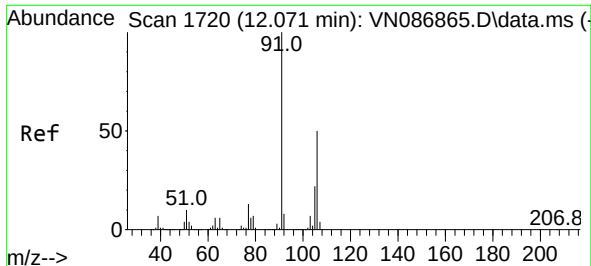
Tgt Ion:112 Resp: 107622
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.2



#67
Ethyl Benzene
Concen: 3.776 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 91 Resp: 70298
Ion Ratio Lower Upper
91 100
106 33.9 25.4 38.2

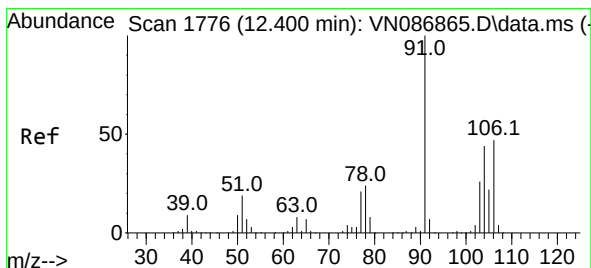
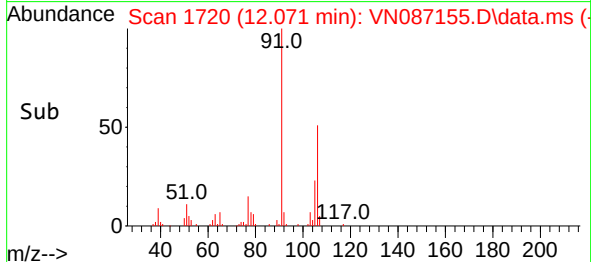
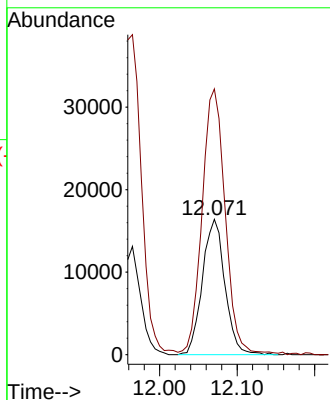
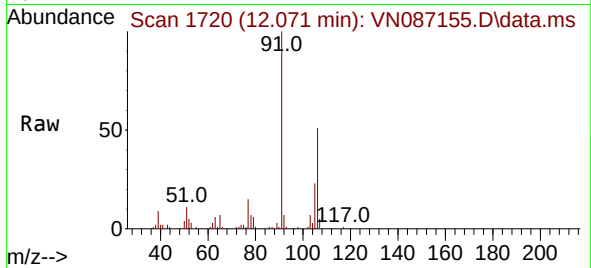




#68
m/p-Xylenes
Concen: 4.644 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

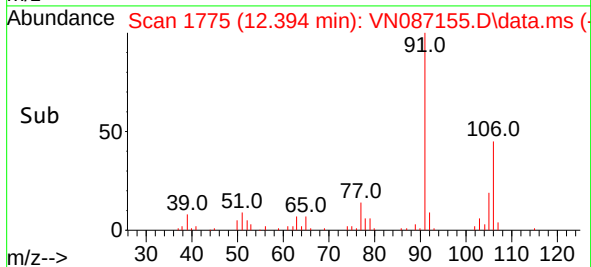
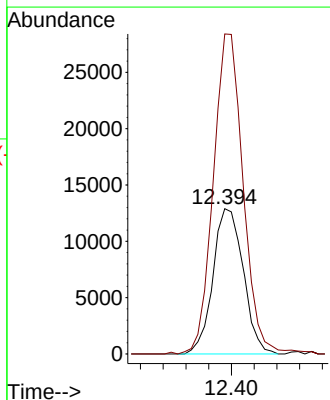
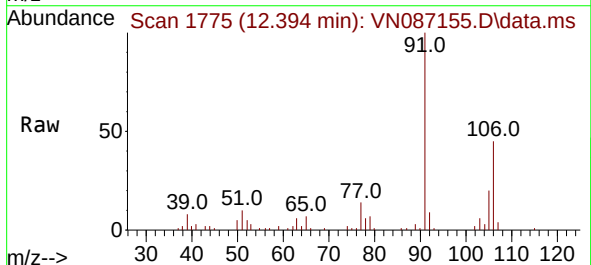
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

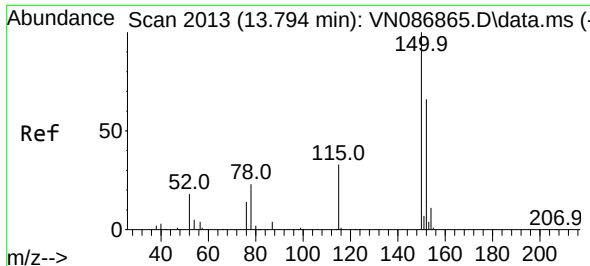
Tgt Ion:106 Resp: 33095
Ion Ratio Lower Upper
106 100
91 199.5 159.4 239.0



#69
o-Xylene
Concen: 3.495 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion:106 Resp: 23854
Ion Ratio Lower Upper
106 100
91 217.6 106.1 318.1

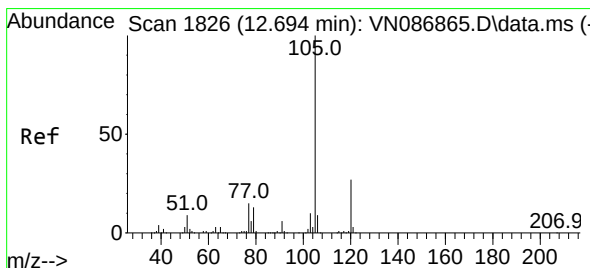
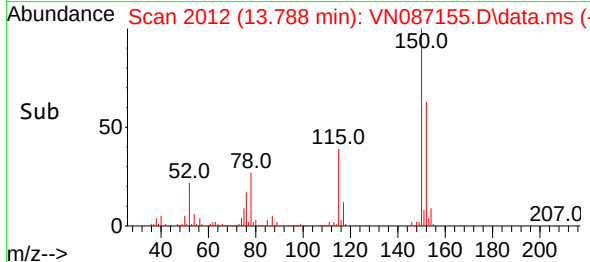
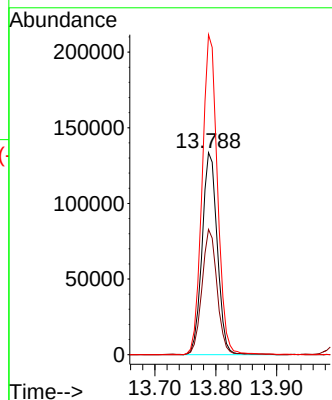
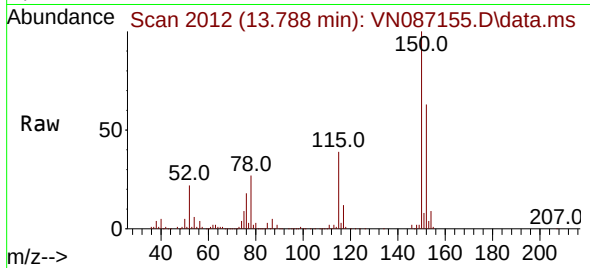




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

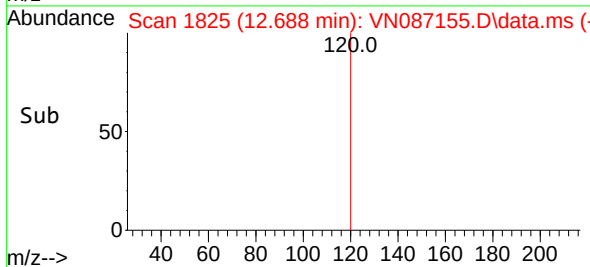
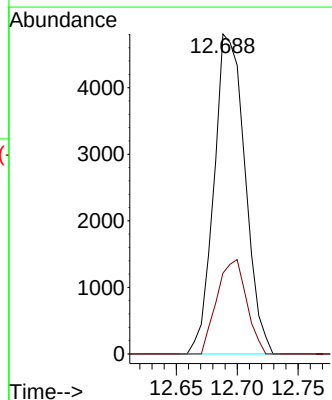
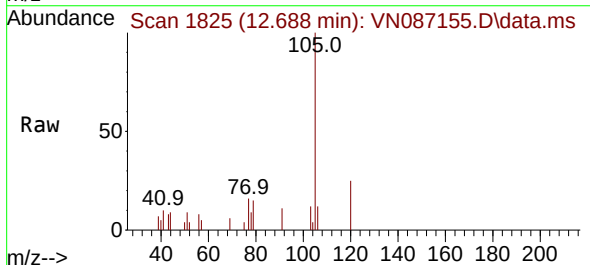
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

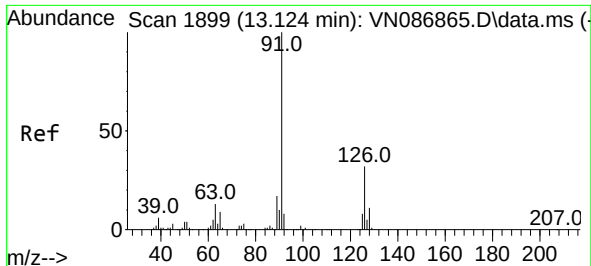
Tgt Ion:152 Resp: 231712
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 159.7 0.0 345.0



#73
Isopropylbenzene
Concen: 0.503 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion:105 Resp: 8496
Ion Ratio Lower Upper
105 100
120 28.1 13.5 40.4

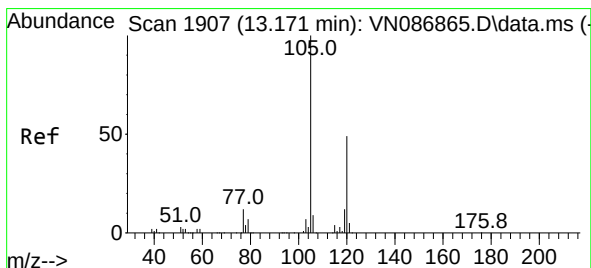
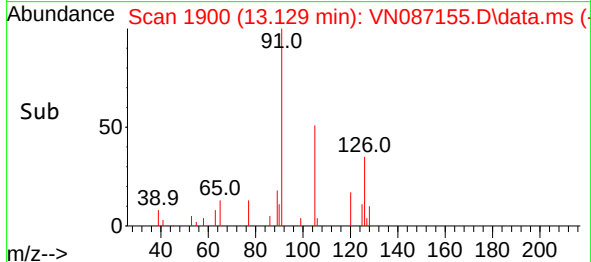
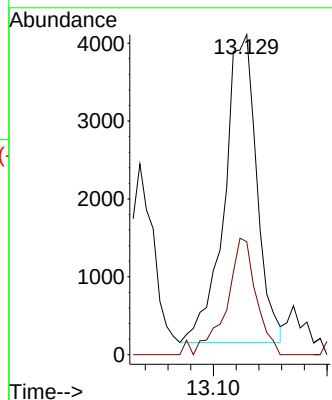
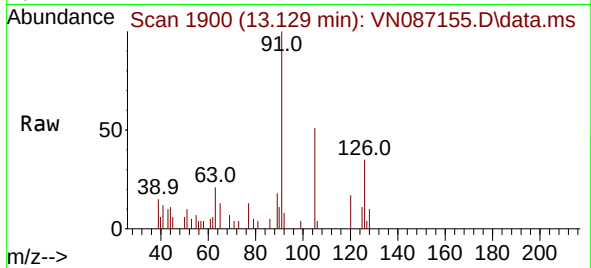




#79
2-Chlorotoluene
Concen: 0.633 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

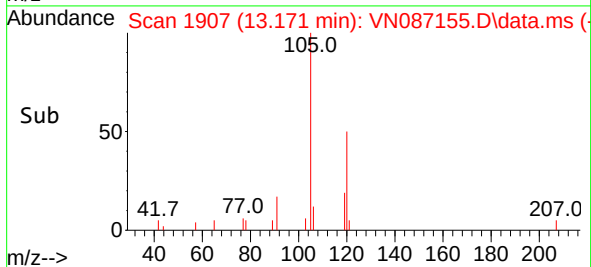
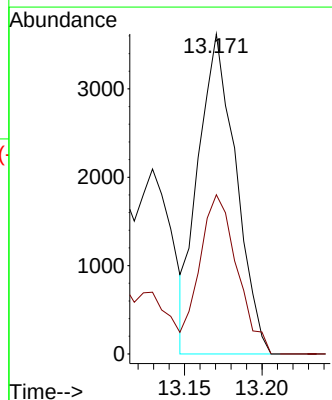
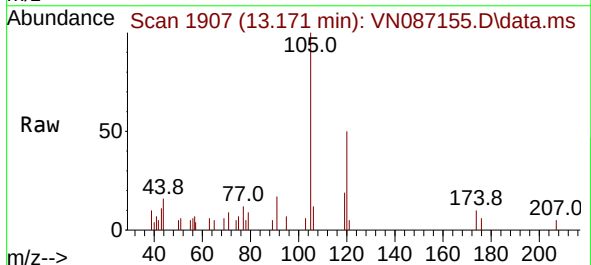
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

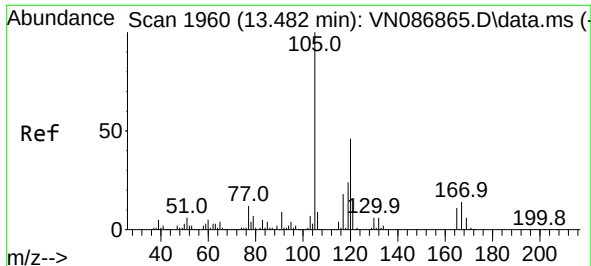
Tgt Ion: 91 Resp: 7790
Ion Ratio Lower Upper
91 100
126 35.2 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 0.438 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion: 105 Resp: 6103
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.6

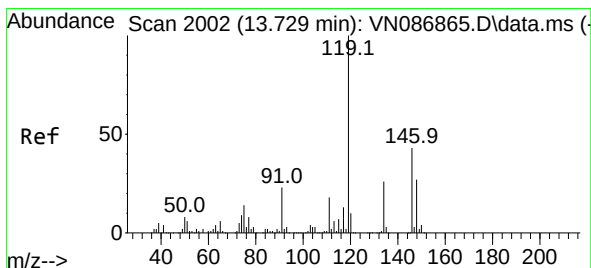
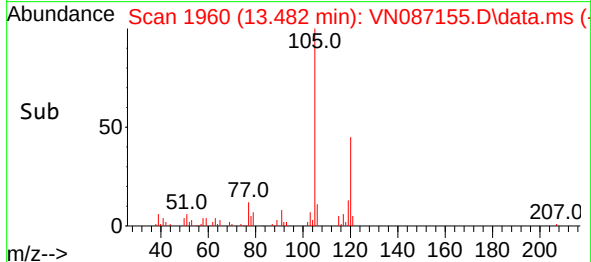
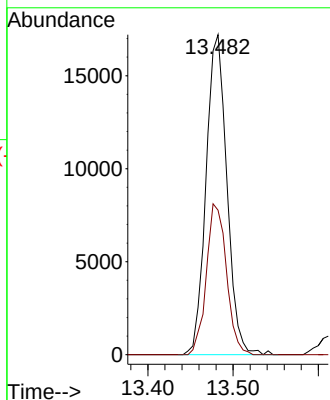
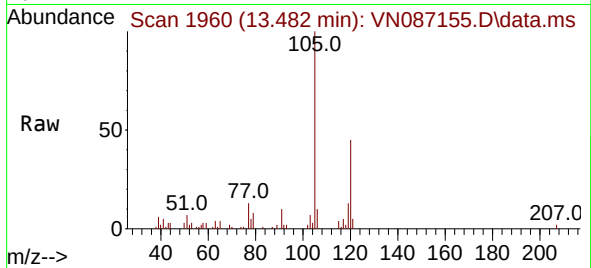




#84
1,2,4-Trimethylbenzene
Concen: 2.091 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

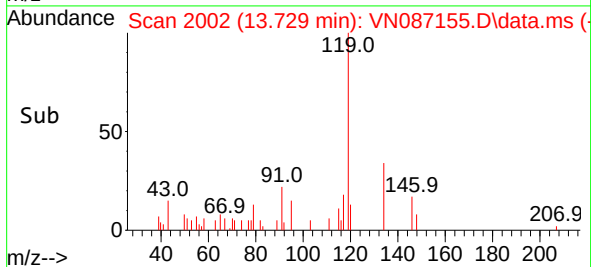
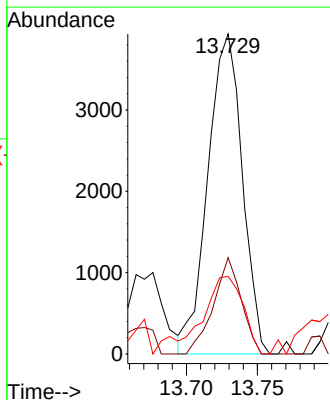
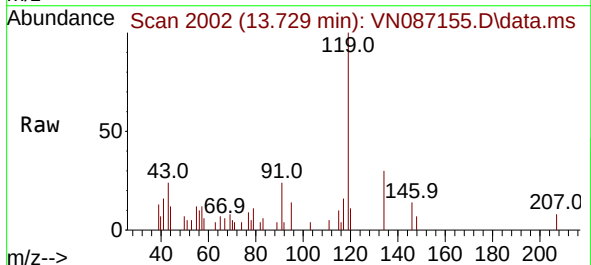
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

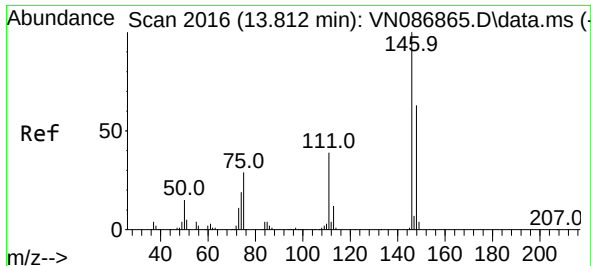
Tgt Ion:105 Resp: 29222
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.6



#86
p-Isopropyltoluene
Concen: 0.433 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion:119 Resp: 6634
Ion Ratio Lower Upper
119 100
134 24.4 13.5 40.4
91 29.1 11.5 34.4

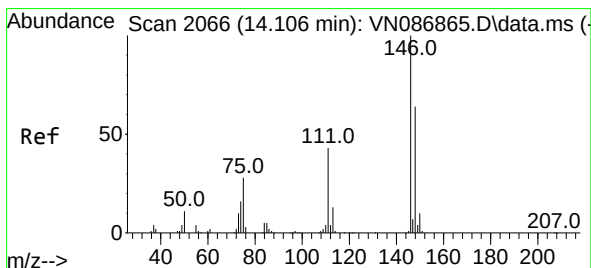
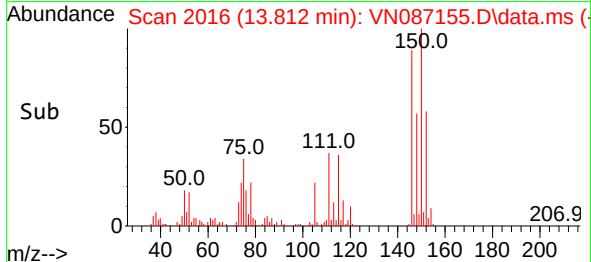
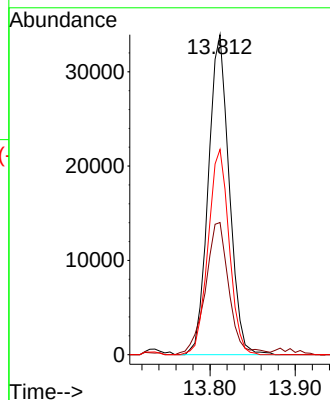
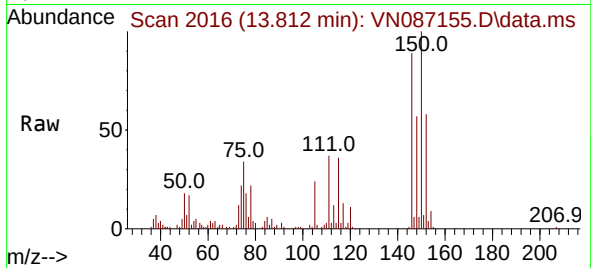




#88
1,4-Dichlorobenzene
Concen: 7.429 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

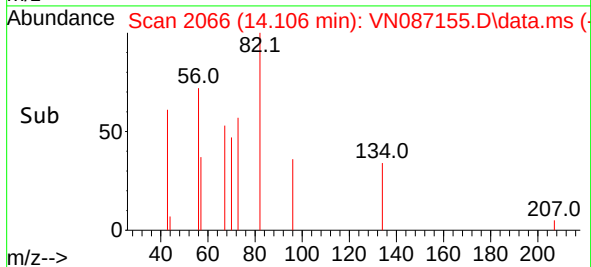
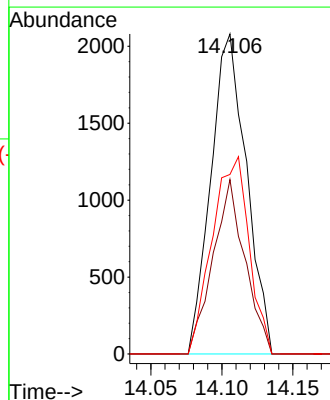
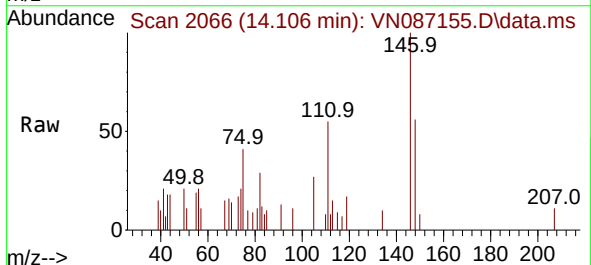
Instrument :
MSVOA_N
ClientSampleId :
250528063-02

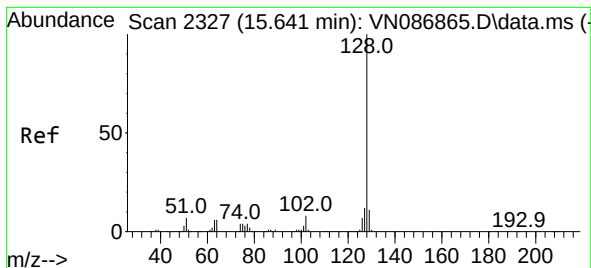
Tgt Ion:146 Resp: 57691
Ion Ratio Lower Upper
146 100
111 46.7 19.9 59.7
148 64.7 31.8 95.4



#91
1,2-Dichlorobenzene
Concen: 0.494 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087155.D
Acq: 24 Jun 2025 14:44

Tgt Ion:146 Resp: 3617
Ion Ratio Lower Upper
146 100
111 49.1 21.6 64.6
148 64.0 31.7 95.1





#95

Naphthalene

Concen: 7.308 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087155.D

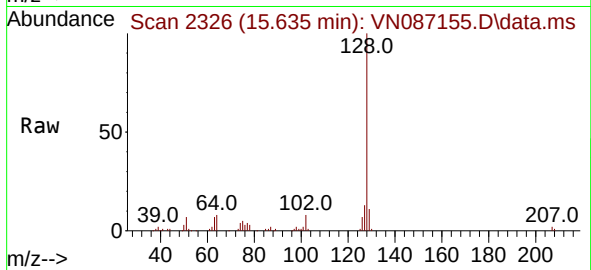
Acq: 24 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

250528063-02



Tgt Ion:128 Resp: 127100

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.5 8.8 13.2

