

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086762.D
 Acq On : 22 May 2025 13:31
 Operator : JC\MD
 Sample : Q2071-19
 Misc : 3.17g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L2-WC-6-VOC

Quant Time: May 23 01:37:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

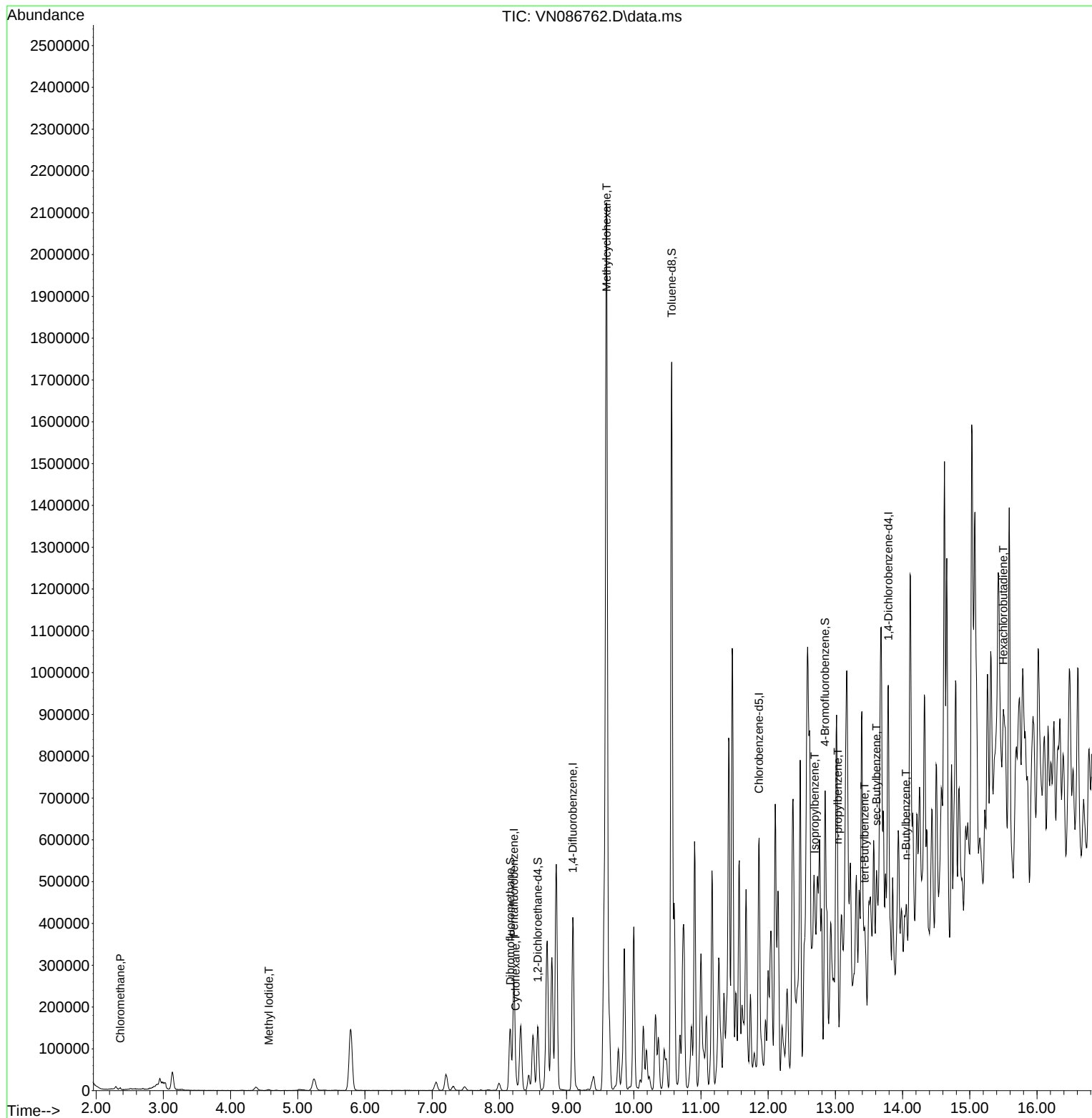
Internal Standards						
1) Pentafluorobenzene	8.218	168	203919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	379409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	354822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122730	43.555	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.120%
35) Dibromofluoromethane	8.165	113	113512	50.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.480%
50) Toluene-d8	10.565	98	545189	58.224	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	116.440%#
62) 4-Bromofluorobenzene	12.847	95	185554	56.122	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3930	1.180	ug/l	91
10) Methyl Iodide	4.571	142	3921	1.473	ug/l #	81
31) Cyclohexane	8.241	56	16259	3.845	ug/l #	93
39) Methylcyclohexane	9.594	83	1051930	291.615	ug/l	97
73) Isopropylbenzene	12.694	105	86125	6.658	ug/l	100
78) n-propylbenzene	13.035	91	154558	10.412	ug/l	100
83) tert-Butylbenzene	13.435	119	10020	1.109	ug/l	72
85) sec-Butylbenzene	13.611	105	71970	5.939	ug/l #	77
89) n-Butylbenzene	14.053	91	71777	8.717	ug/l #	80
94) Hexachlorobutadiene	15.500	225	1464	1.560	ug/l	95

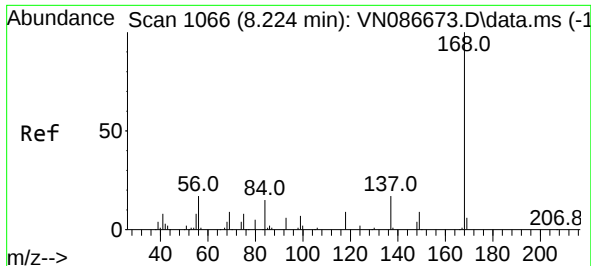
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
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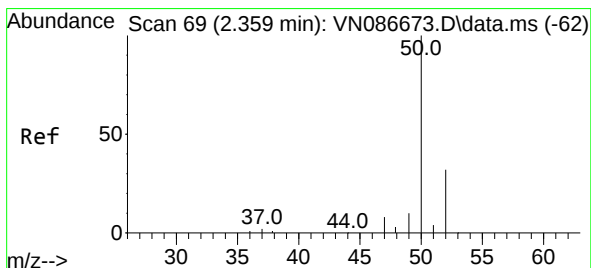
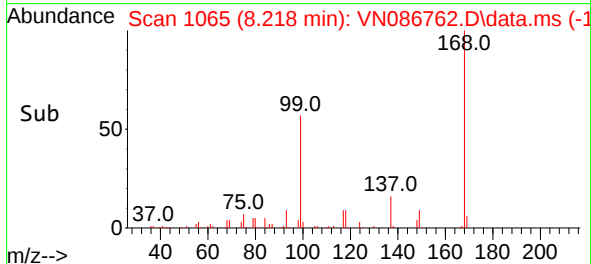
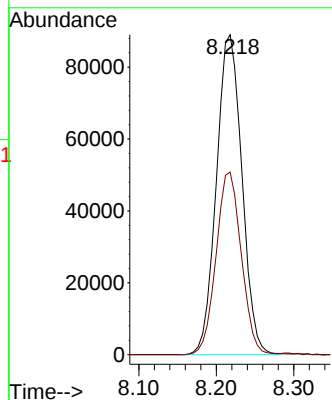
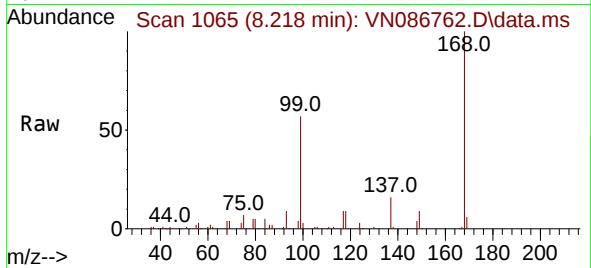




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

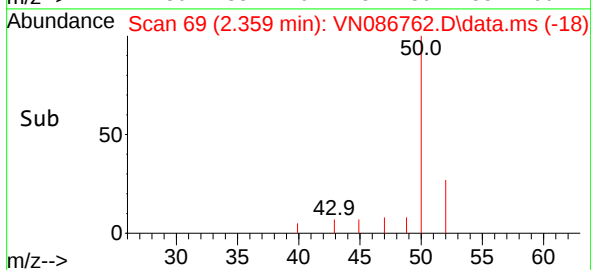
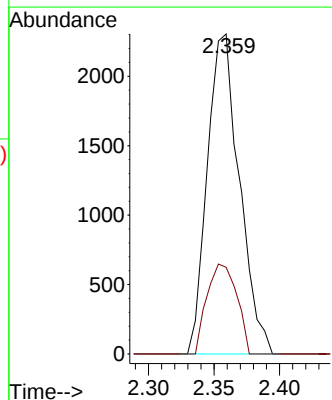
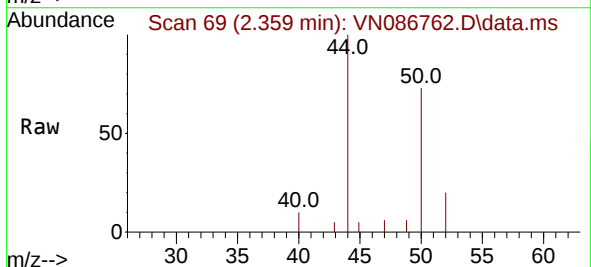
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

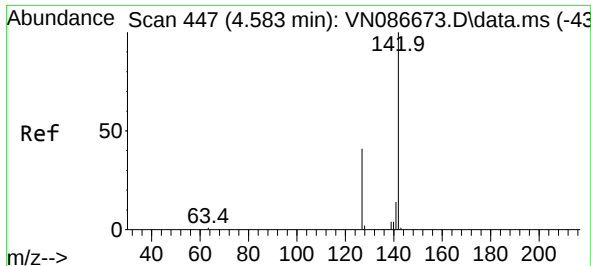
Tgt Ion:168 Resp: 203919
Ion Ratio Lower Upper
168 100
99 57.0 47.0 70.4



#3
Chloromethane
Concen: 1.180 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

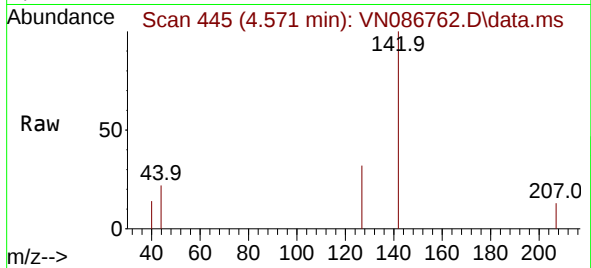
Tgt Ion: 50 Resp: 3930
Ion Ratio Lower Upper
50 100
52 27.1 25.9 38.9



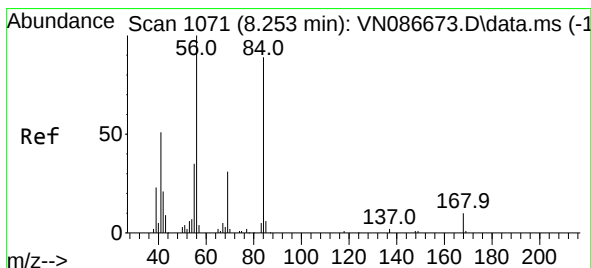
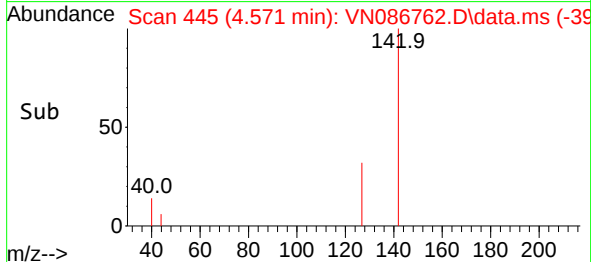
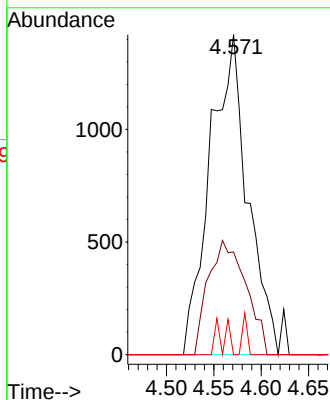


#10
Methyl Iodide
Concen: 1.473 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.012 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

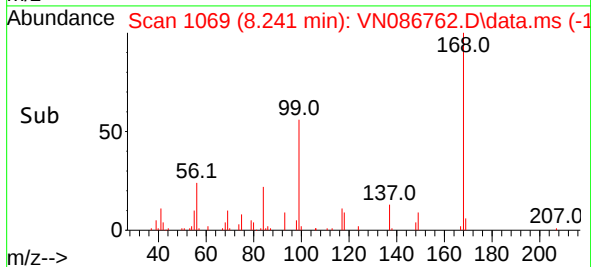
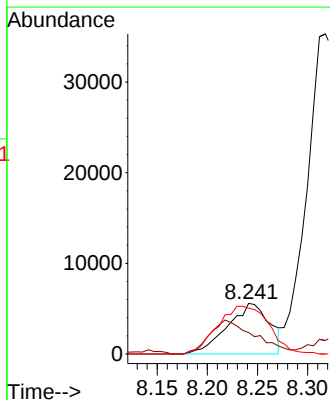
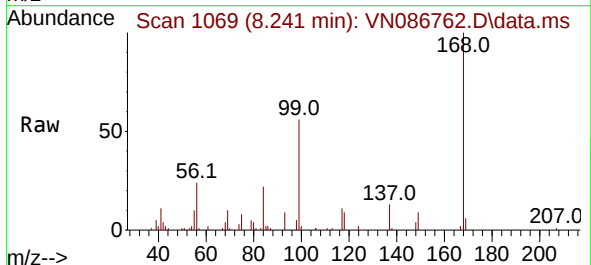


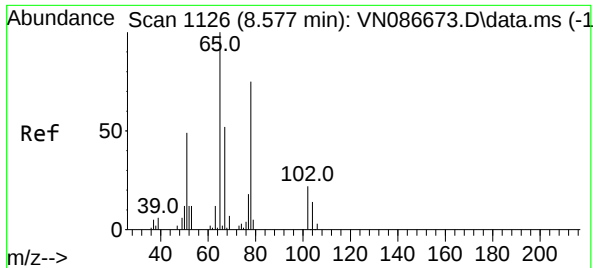
Tgt Ion:142 Resp: 3921
Ion Ratio Lower Upper
142 100
127 32.1 32.4 48.6#
141 0.0 11.4 17.2#



#31
Cyclohexane
Concen: 3.845 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion: 56 Resp: 16259
Ion Ratio Lower Upper
56 100
69 42.4 25.0 37.6#
84 90.6 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 43.555 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086762.D

Acq: 22 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

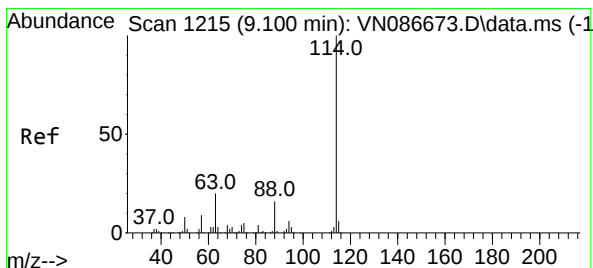
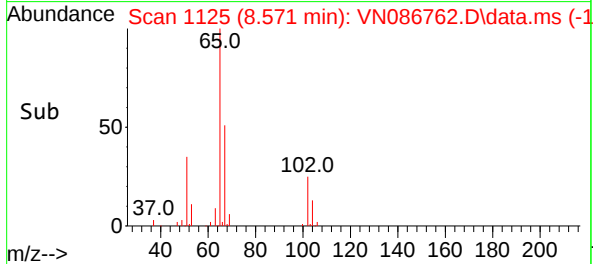
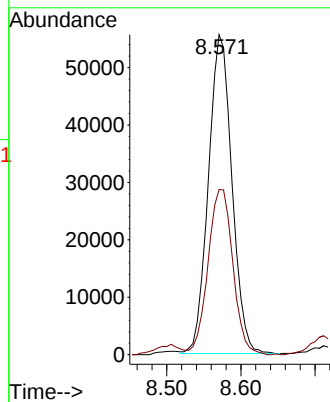
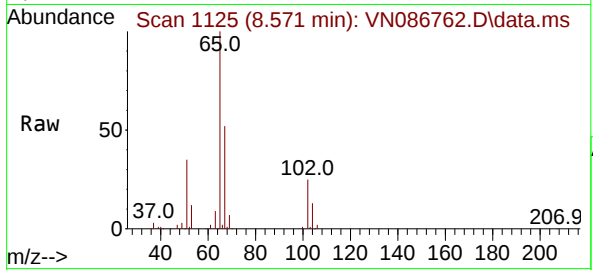
L2-WC-6-VOC

Tgt Ion: 65 Resp: 122730

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086762.D

Acq: 22 May 2025 13:31

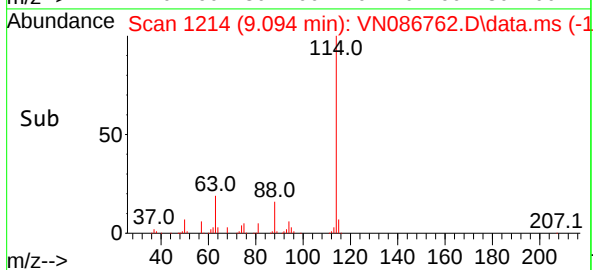
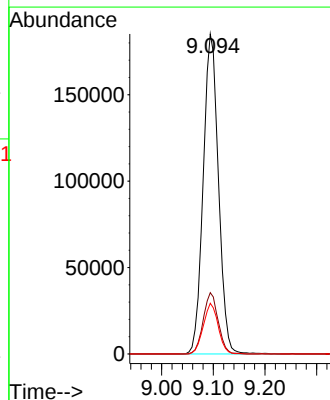
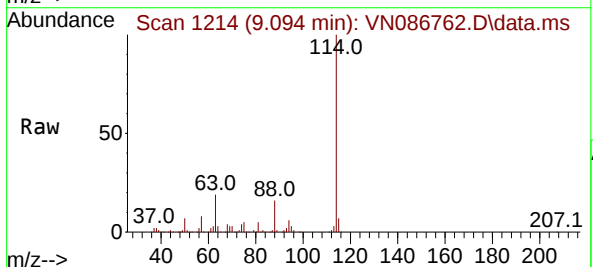
Tgt Ion: 114 Resp: 379409

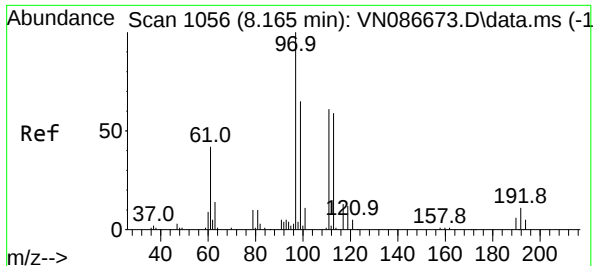
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.2

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.237 ug/l

RT: 8.165 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN086762.D

Acq: 22 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-6-VOC

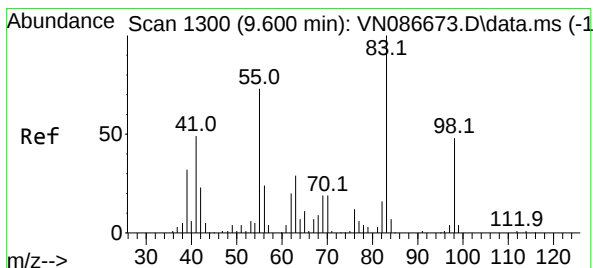
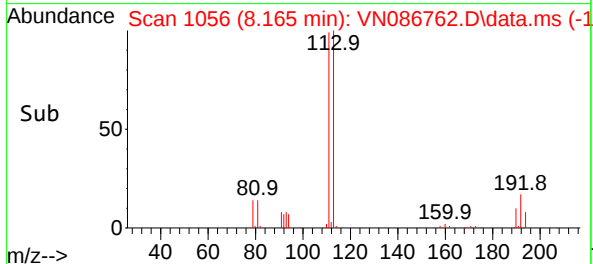
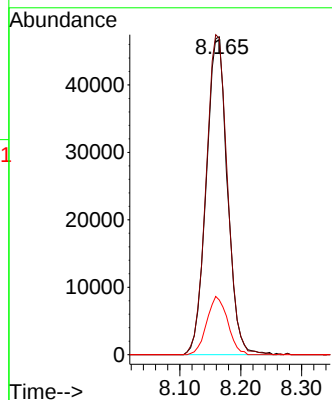
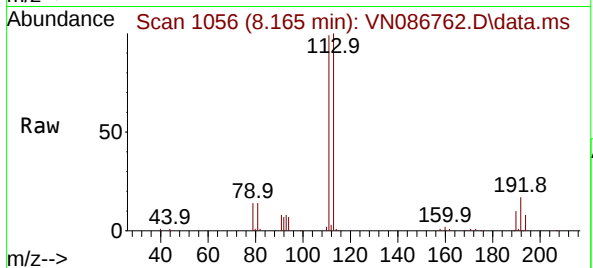
Tgt Ion:113 Resp: 113512

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 18.1 13.8 20.8



#39

Methylcyclohexane

Concen: 291.615 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086762.D

Acq: 22 May 2025 13:31

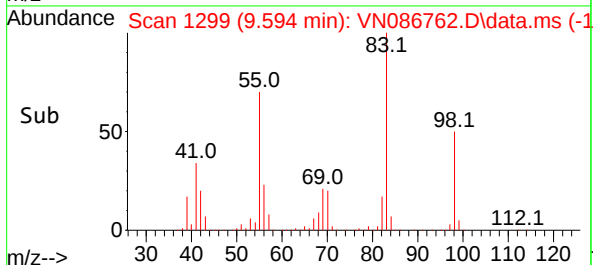
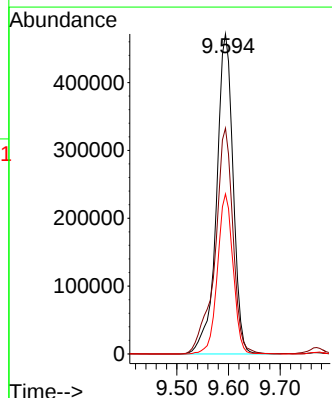
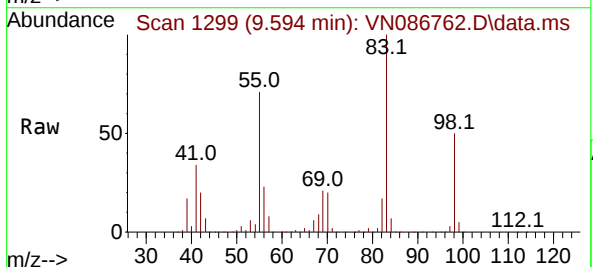
Tgt Ion: 83 Resp: 1051930

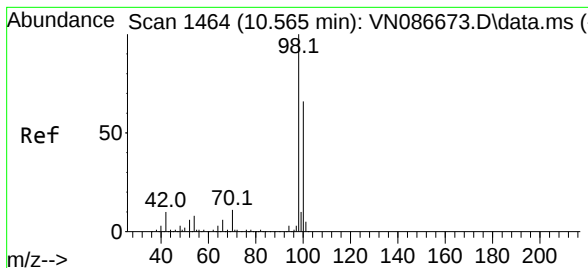
Ion Ratio Lower Upper

83 100

55 70.5 58.2 87.4

98 50.0 38.4 57.6

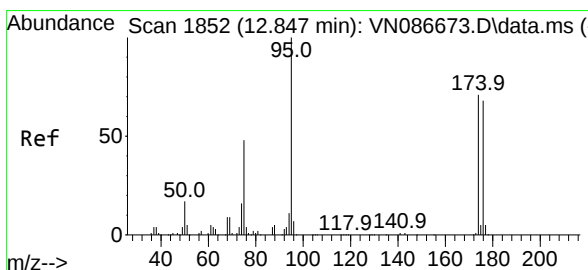
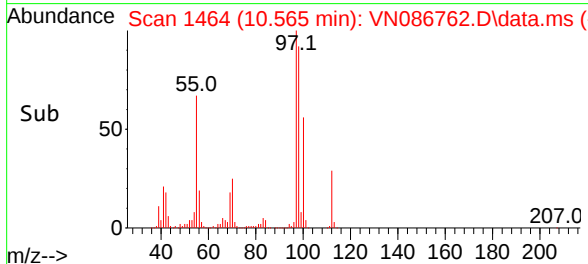
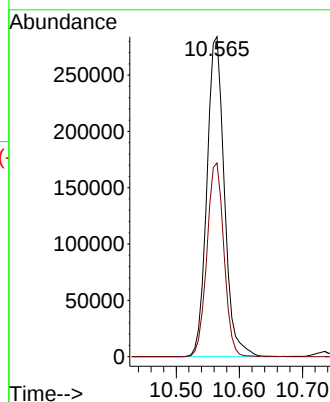
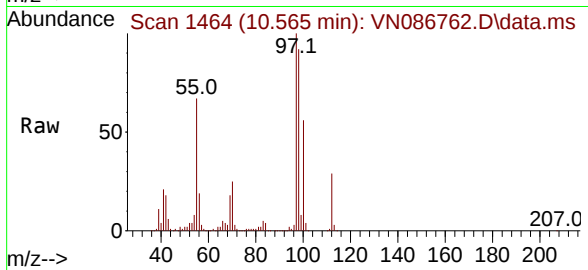




#50
Toluene-d8
Concen: 58.224 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

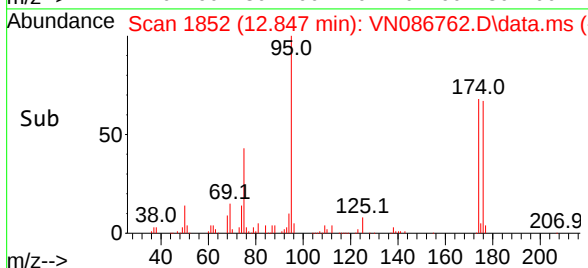
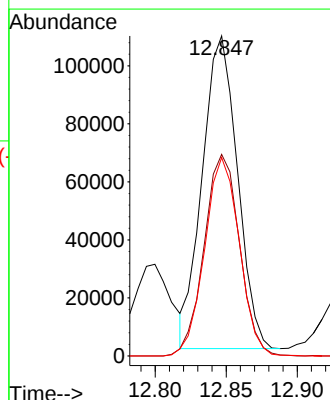
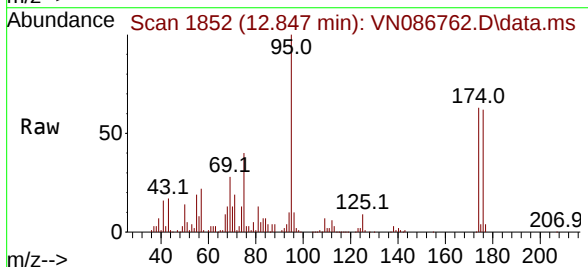
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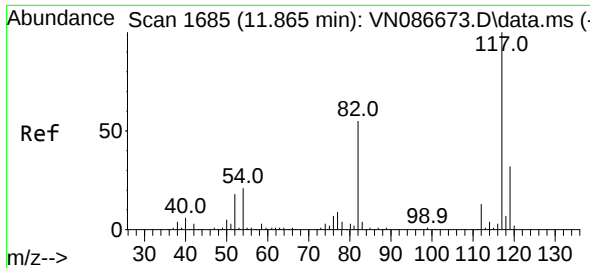
Tgt Ion: 98 Resp: 545189
Ion Ratio Lower Upper
98 100
100 58.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 56.122 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion: 95 Resp: 185554
Ion Ratio Lower Upper
95 100
174 64.9 0.0 145.4
176 62.5 0.0 137.8

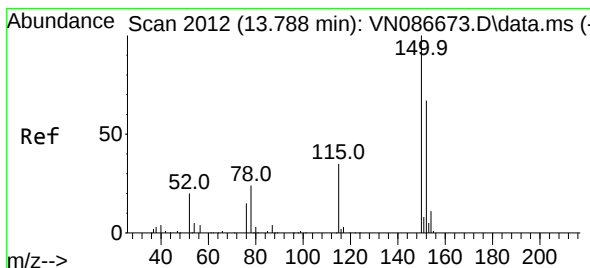
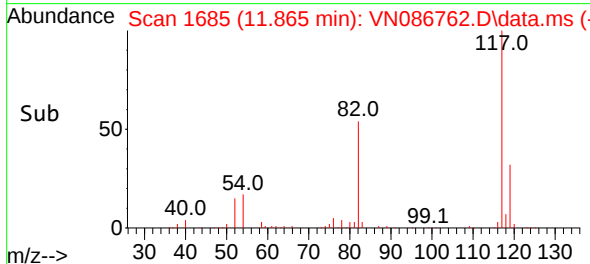
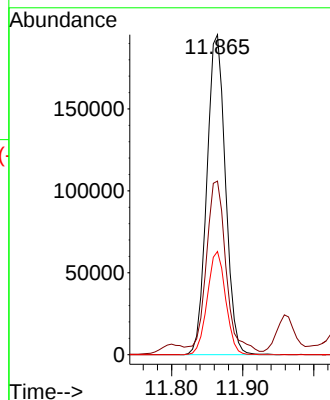
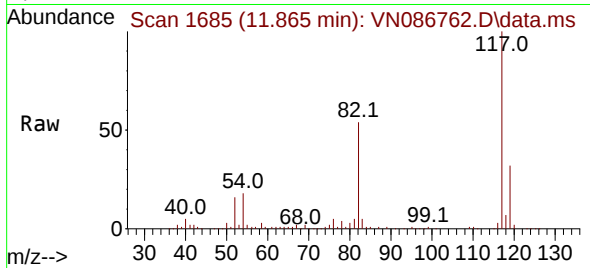




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

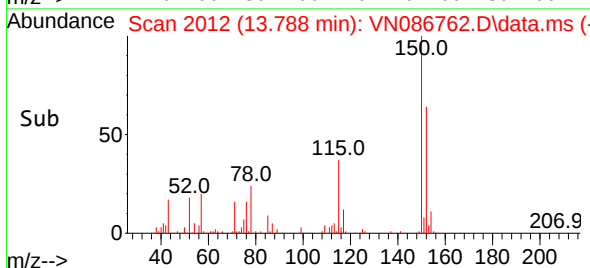
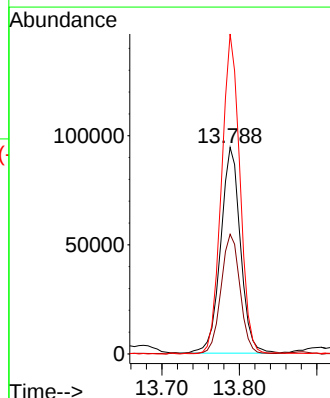
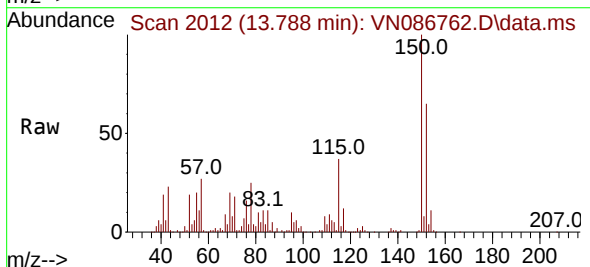
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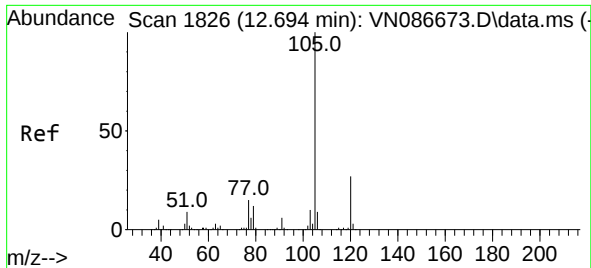
Tgt Ion:117 Resp: 354822
Ion Ratio Lower Upper
117 100
82 51.4 44.2 66.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion:152 Resp: 167475
Ion Ratio Lower Upper
152 100
115 55.1 30.0 90.1
150 145.3 0.0 347.8

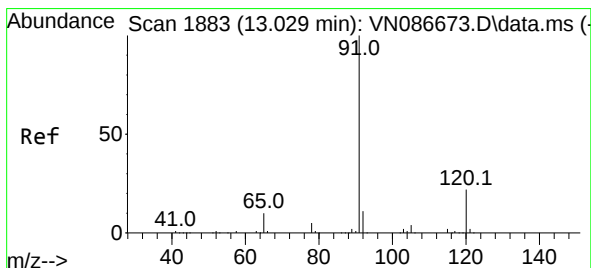
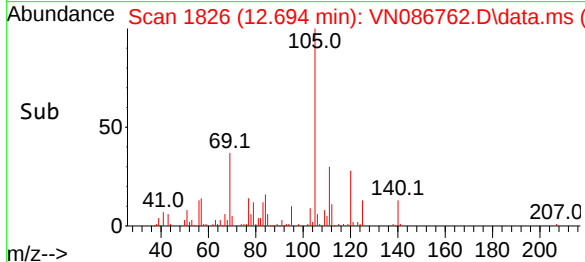
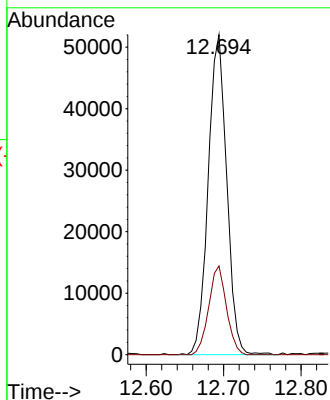
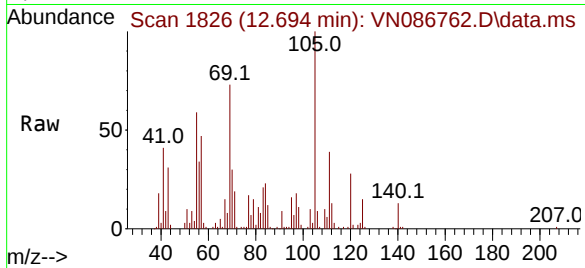




#73
Isopropylbenzene
Concen: 6.658 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

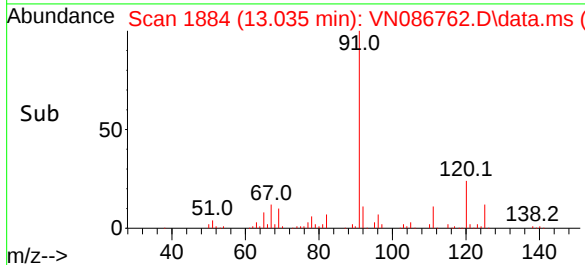
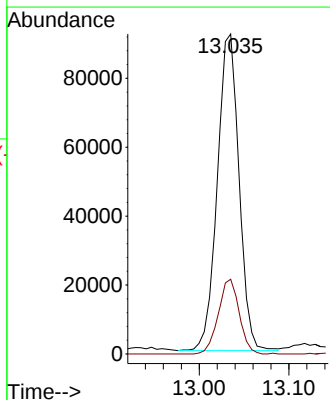
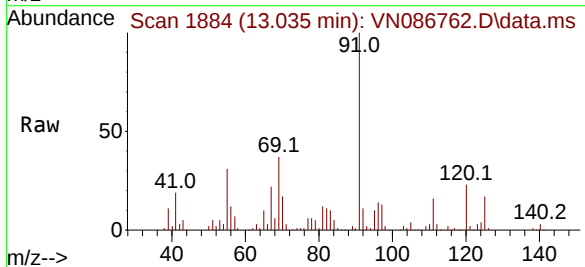
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

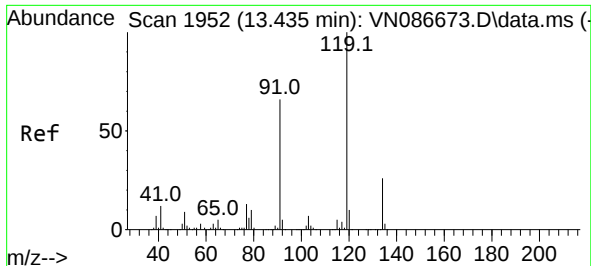
Tgt Ion:105 Resp: 86125
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1



#78
n-propylbenzene
Concen: 10.412 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion: 91 Resp: 154558
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1

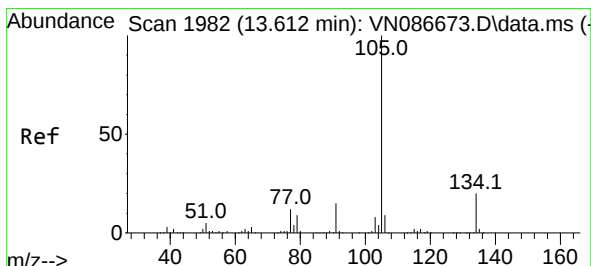
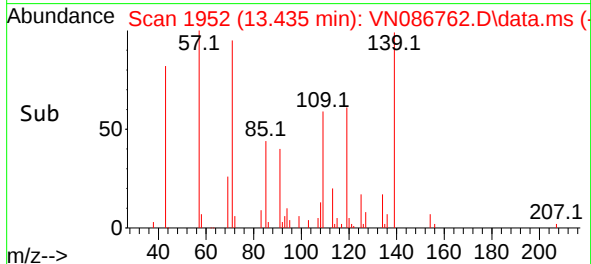
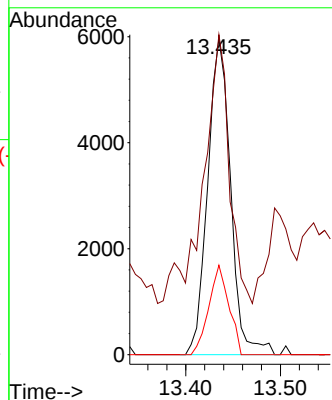
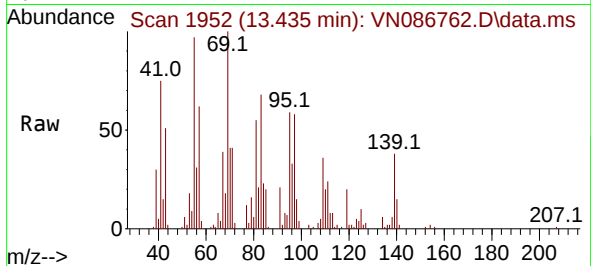




#83
tert-Butylbenzene
Concen: 1.109 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

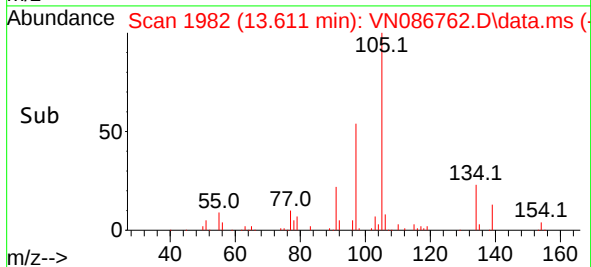
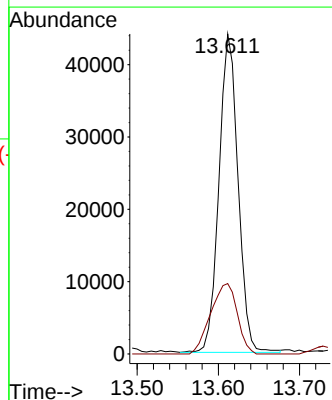
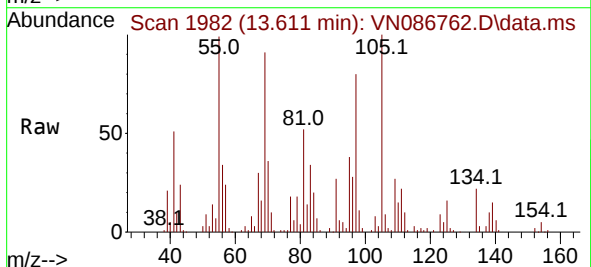
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

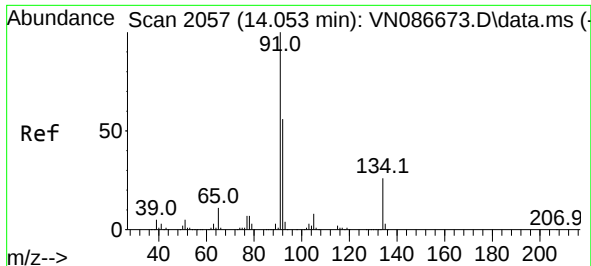
Tgt Ion:119 Resp: 10020
Ion Ratio Lower Upper
119 100
91 95.7 32.9 98.7
134 24.6 13.4 40.1



#85
sec-Butylbenzene
Concen: 5.939 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion:105 Resp: 71970
Ion Ratio Lower Upper
105 100
134 30.7 10.1 30.1#

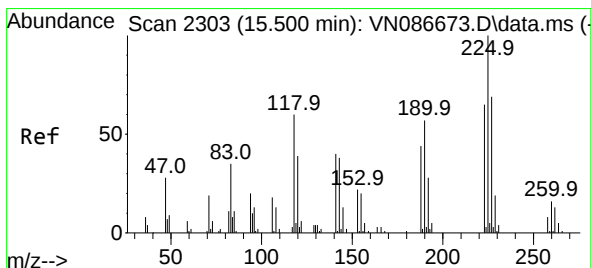
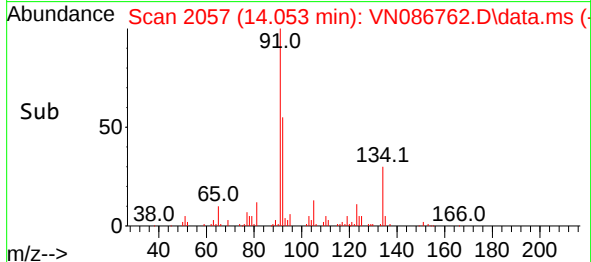
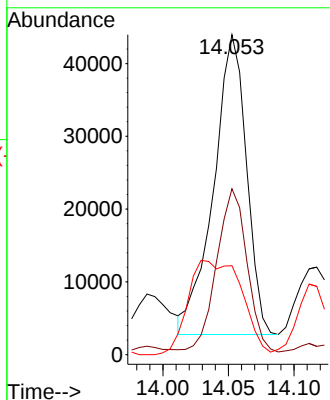
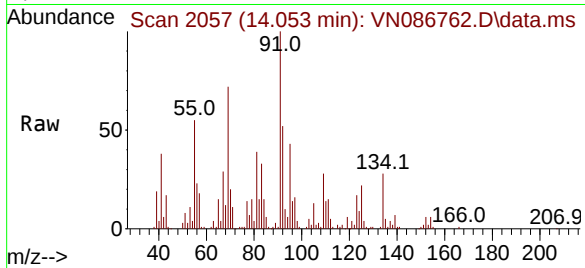




#89
n-Butylbenzene
Concen: 8.717 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

Tgt Ion: 91 Resp: 71777
Ion Ratio Lower Upper
91 100
92 50.6 27.4 82.0
134 0.0 12.8 38.4#



#94
Hexachlorobutadiene
Concen: 1.560 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086762.D
Acq: 22 May 2025 13:31

Tgt Ion: 225 Resp: 1464
Ion Ratio Lower Upper
225 100
223 59.4 32.9 98.6
227 65.9 32.4 97.2

