

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087392.D
 Acq On : 22 Jul 2025 16:12
 Operator : JC\MD
 Sample : VN0722WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBL01

Quant Time: Jul 23 05:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

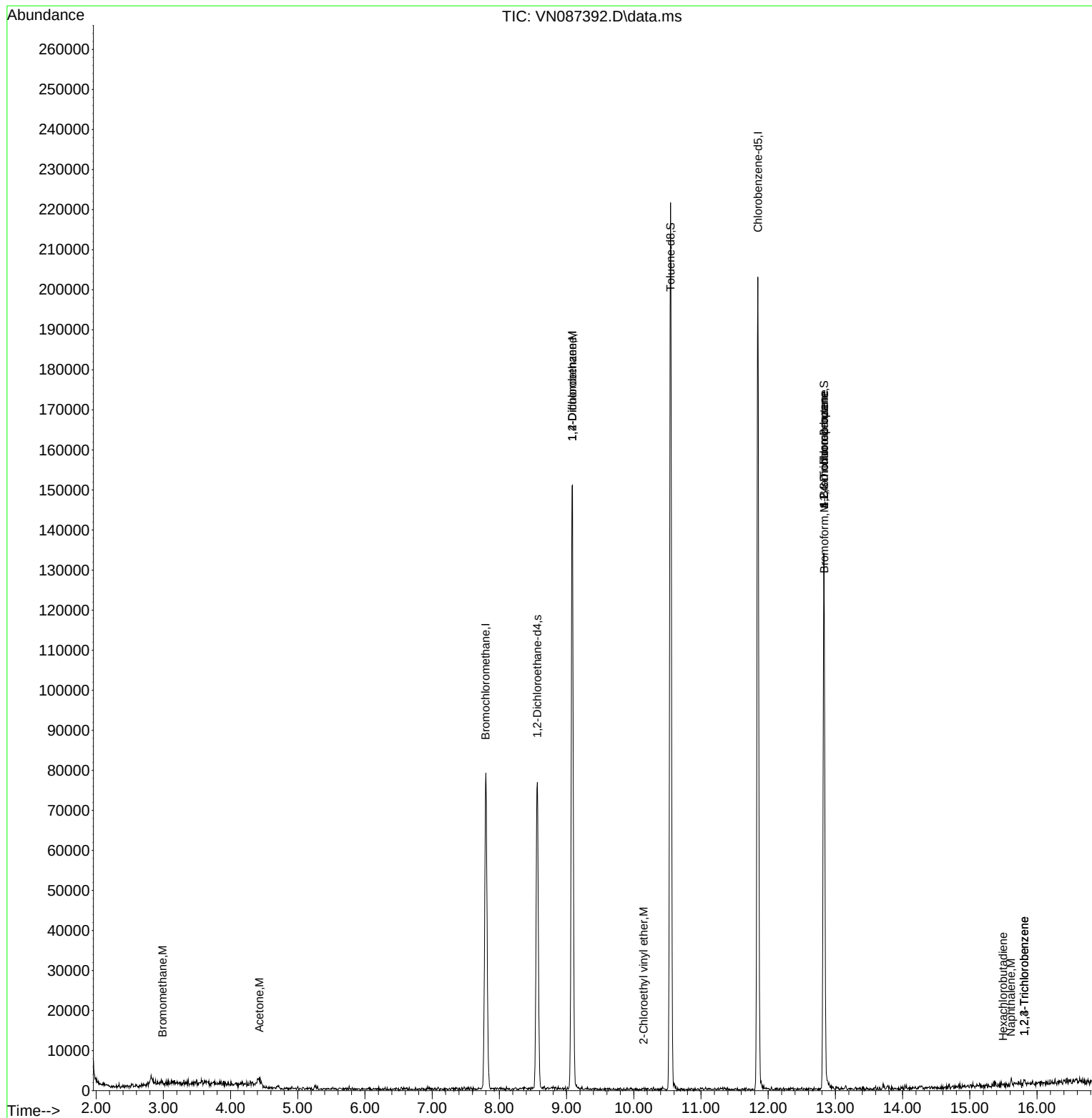
Internal Standards						
1) Bromochloromethane	7.794	128	27646	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.088	114	129340	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	109767	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	65963	31.667	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.567%	
60) 4-Bromofluorobenzene	12.829	95	46084	27.207	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.700%	
63) Toluene-d8	10.547	98	149028	30.238	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	217	0.221	ug/l	89
15) Acetone	4.430	58	301	0.842	ug/l #	1
36) 1,2-Dichloroethane	9.088	62	5247	2.543	ug/l #	75
55) 2-Chloroethyl vinyl ether	10.147	63	275	0.204	ug/l #	45
56) Bromoform	12.835	173	433	0.388	ug/l #	1
72) 1,2,3-Trichloropropane	12.829	75	26080	13.599	ug/l	1
77) t-1,4-Dichloro-2-butene	12.829	75	26080	30.658	ug/l #	13
89) 1,2,4-Trichlorobenzene	15.811	180	344	0.223	ug/l #	54
90) Hexachlorobutadiene	15.494	225	125	0.274	ug/l #	18
91) Naphthalene	15.611	128	1336	0.220	ug/l #	79
92) 1,2,3-Trichlorobenzene	15.811	180	344	0.223	ug/l #	54

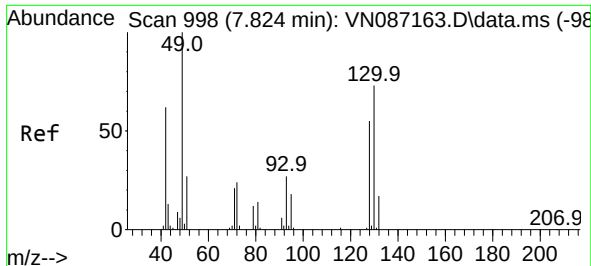
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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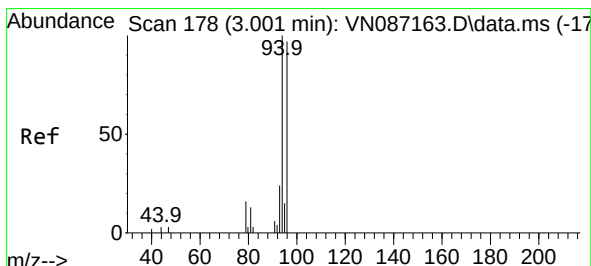
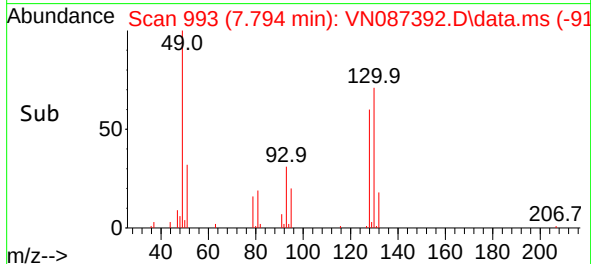
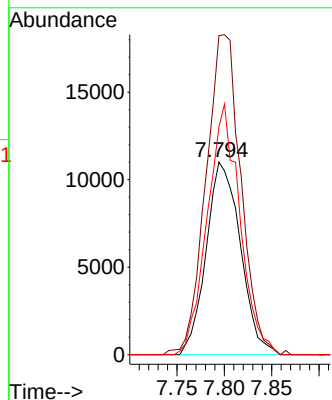
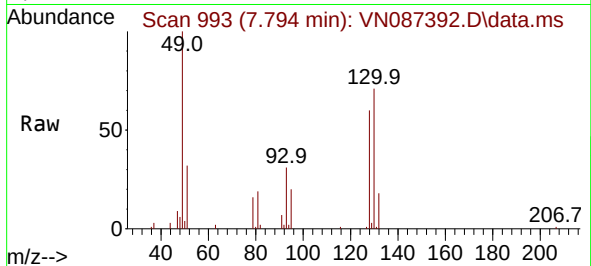




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.030 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

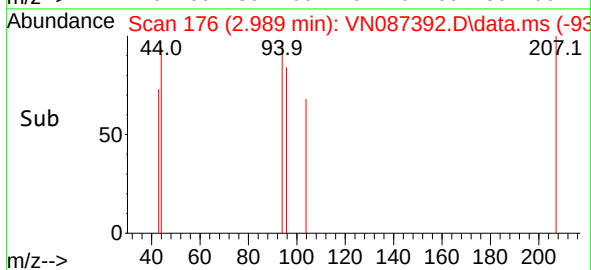
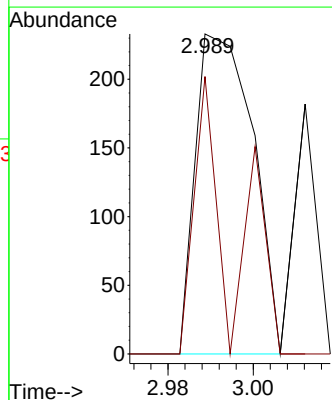
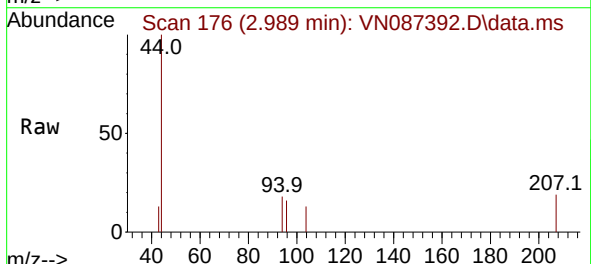
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

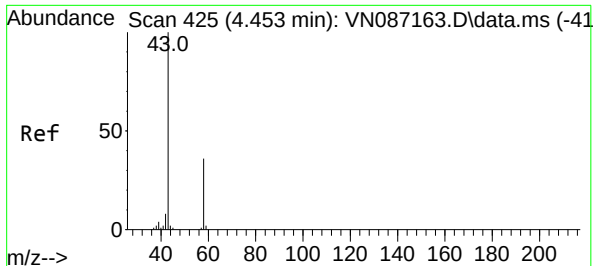
Tgt Ion:128 Resp: 27646
Ion Ratio Lower Upper
128 100
49 169.1 0.0 450.5
130 124.1 0.0 320.7



#5
Bromomethane
Concen: 0.221 ug/l
RT: 2.989 min Scan# 176
Delta R.T. -0.012 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 86.7 77.9 116.9





#15

Acetone

Concen: 0.842 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.024 min

Lab File: VN087392.D

Acq: 22 Jul 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

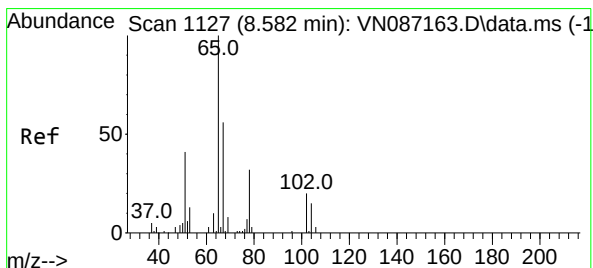
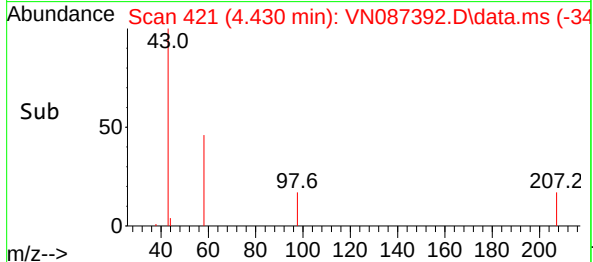
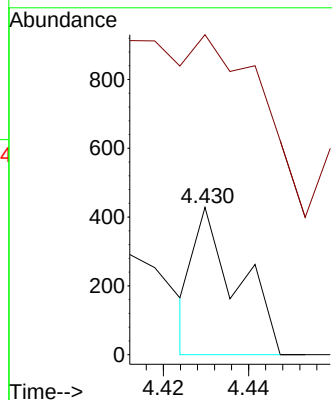
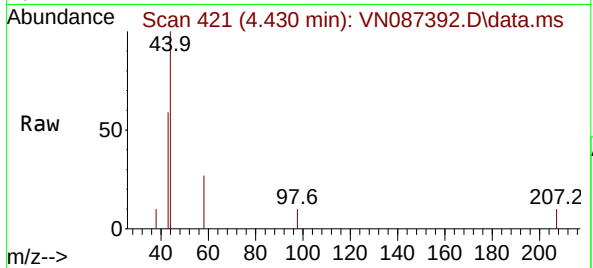
VN0722WBL01

Tgt Ion: 58 Resp: 301

Ion Ratio Lower Upper

58 100

43 72.0 224.3 336.5#



#27

1,2-Dichloroethane-d4

Concen: 31.667 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.018 min

Lab File: VN087392.D

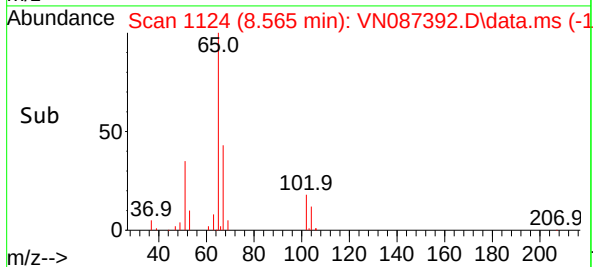
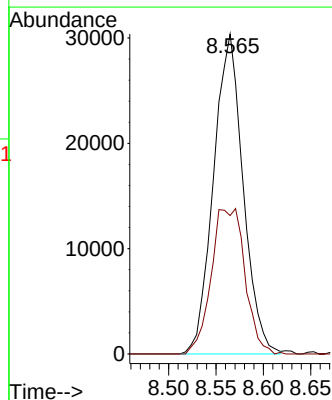
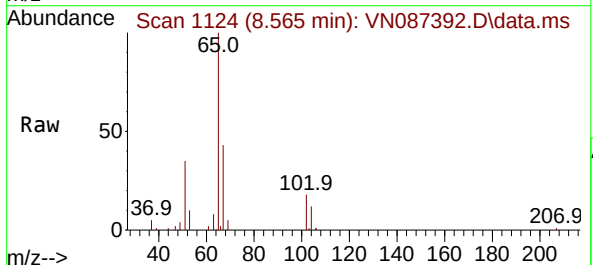
Acq: 22 Jul 2025 16:12

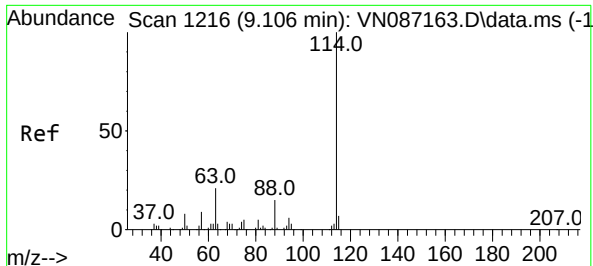
Tgt Ion: 65 Resp: 65963

Ion Ratio Lower Upper

65 100

67 31.6 41.9 62.9#





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. -0.018 min

Lab File: VN087392.D

Acq: 22 Jul 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBL01

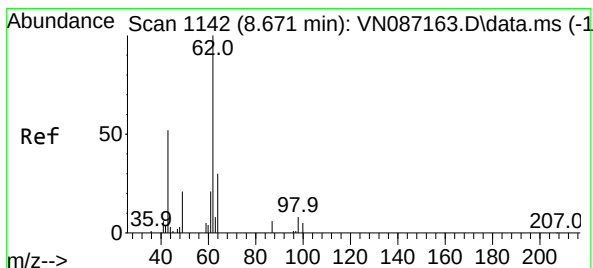
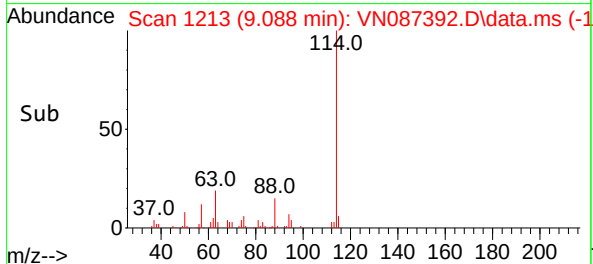
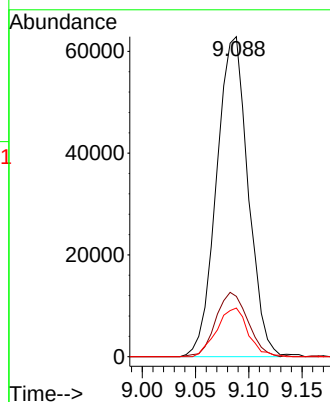
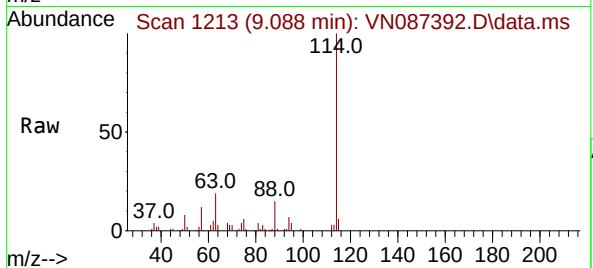
Tgt Ion:114 Resp: 129340

Ion Ratio Lower Upper

114 100

63 20.4 17.0 25.4

88 15.1 12.6 19.0



#36

1,2-Dichloroethane

Concen: 2.543 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.418 min

Lab File: VN087392.D

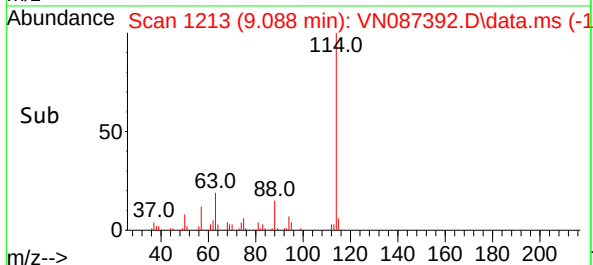
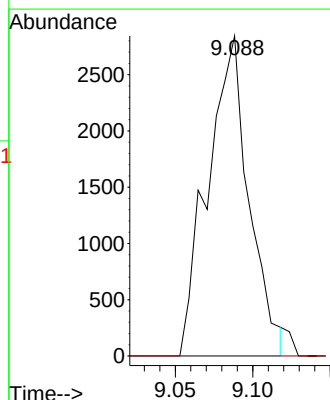
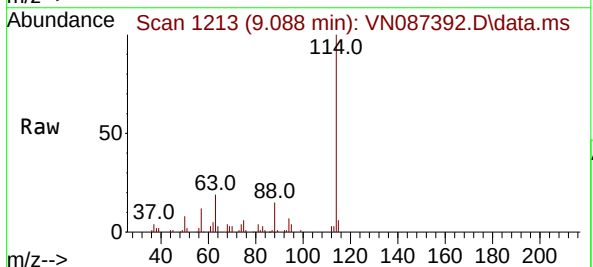
Acq: 22 Jul 2025 16:12

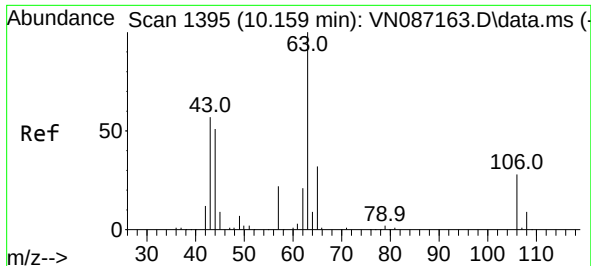
Tgt Ion: 62 Resp: 5247

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

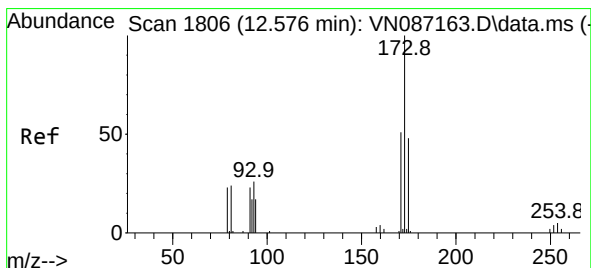
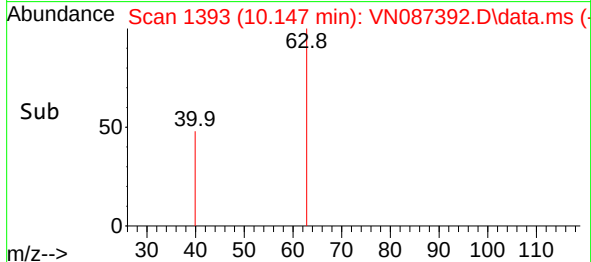
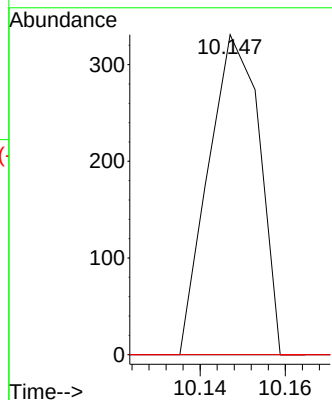
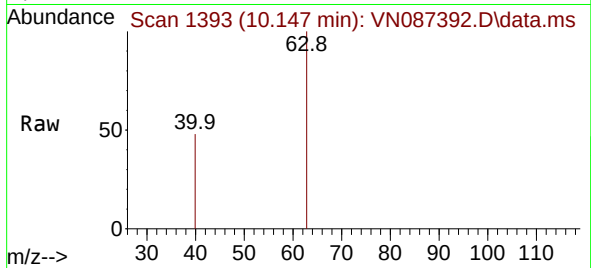




#55
2-Chloroethyl vinyl ether
Concen: 0.204 ug/l
RT: 10.147 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

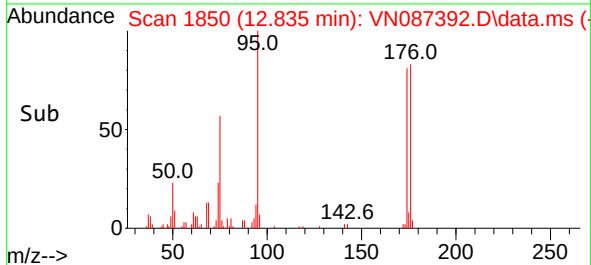
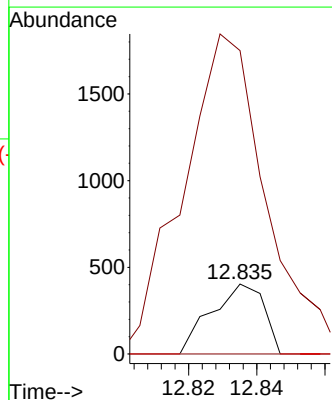
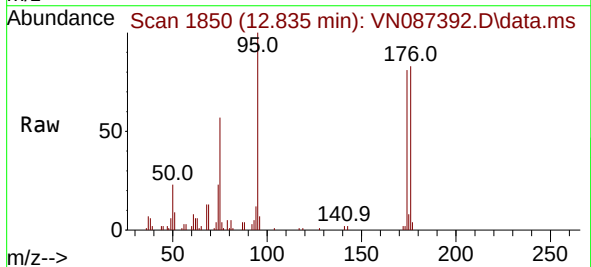
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

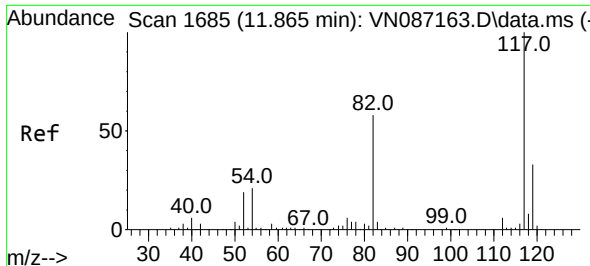
Tgt Ion: 63 Resp: 275
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#
106 0.0 21.9 32.9#



#56
Bromoform
Concen: 0.388 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.259 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion:173 Resp: 433
Ion Ratio Lower Upper
173 100
175 719.9 38.7 58.1#
254 0.0 4.2 6.4#

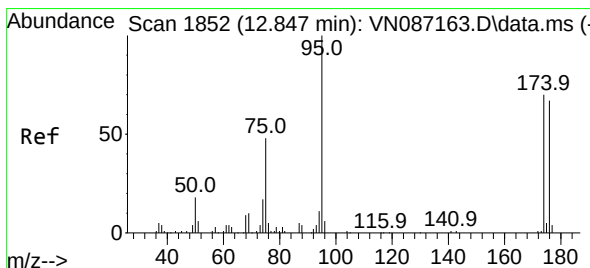
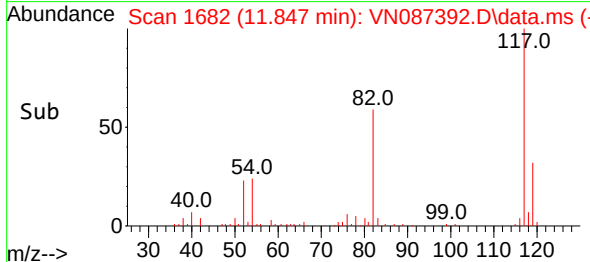
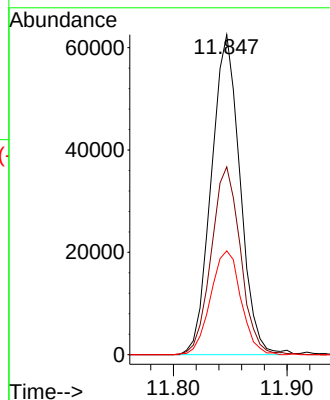
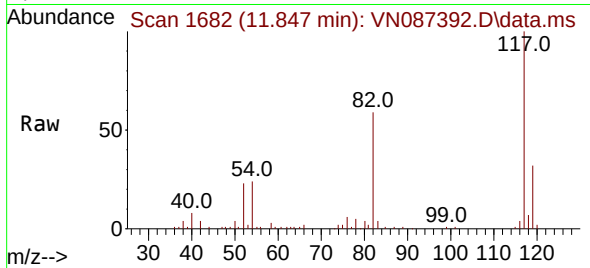




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

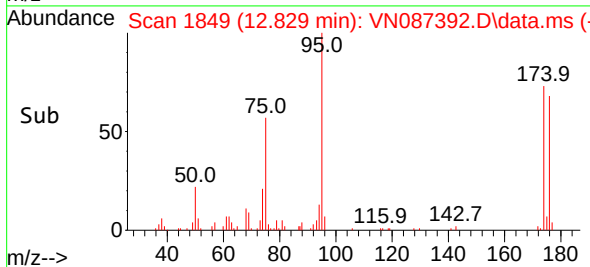
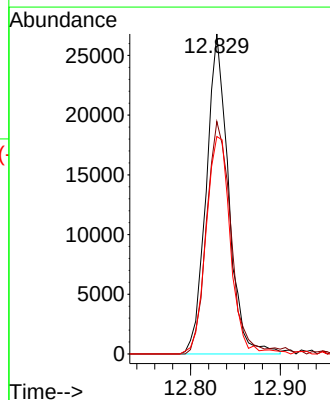
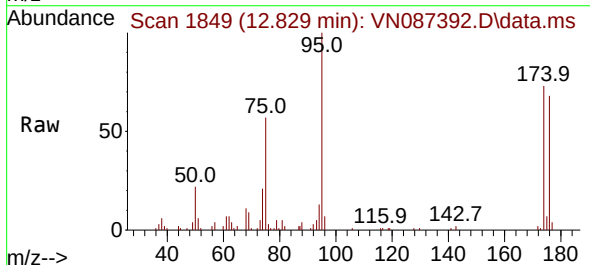
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

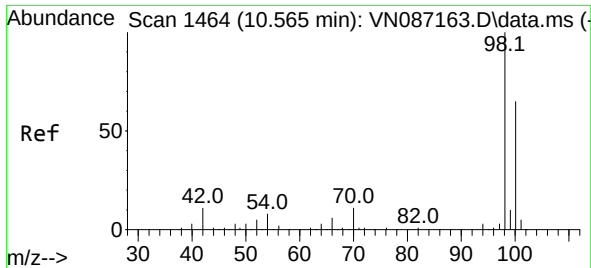
Tgt Ion:117 Resp: 109767
Ion Ratio Lower Upper
117 100
82 59.8 45.4 68.2
119 34.3 26.2 39.4



#60
4-Bromofluorobenzene
Concen: 27.207 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion: 95 Resp: 46084
Ion Ratio Lower Upper
95 100
174 78.7 54.5 81.7
176 73.6 51.9 77.9

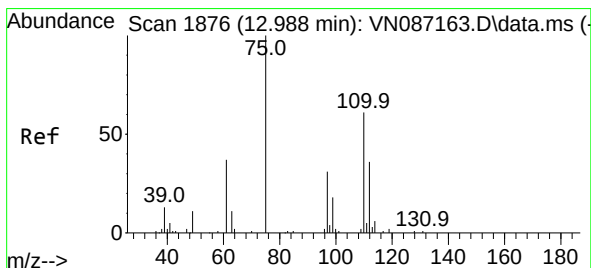
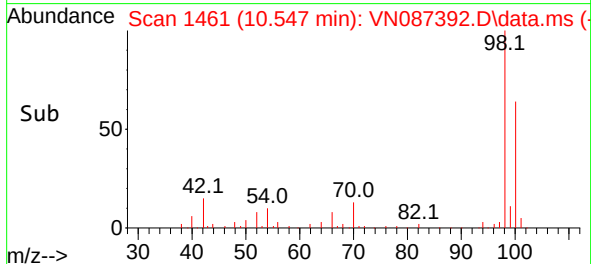
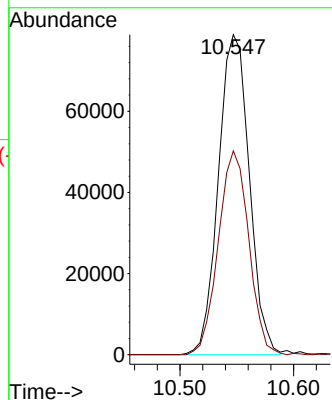
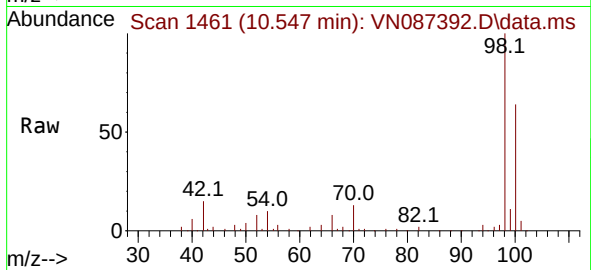




#63
Toluene-d8
Concen: 30.238 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

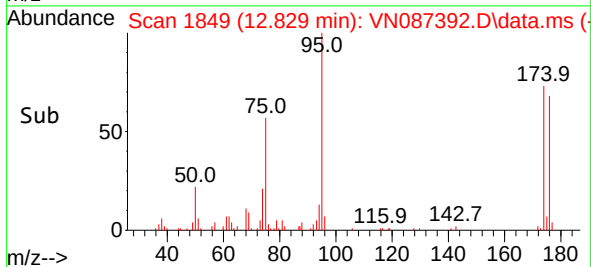
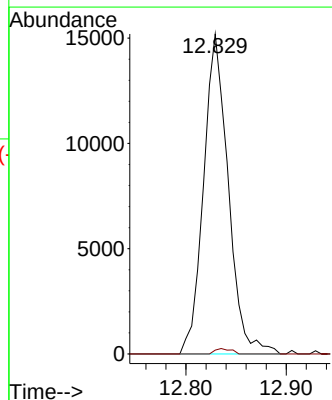
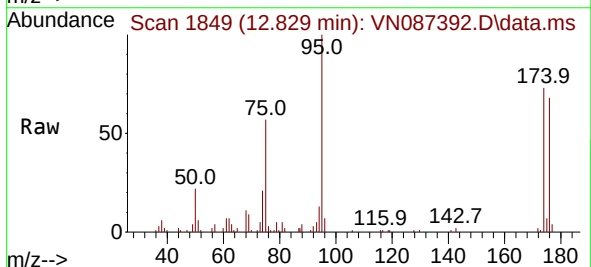
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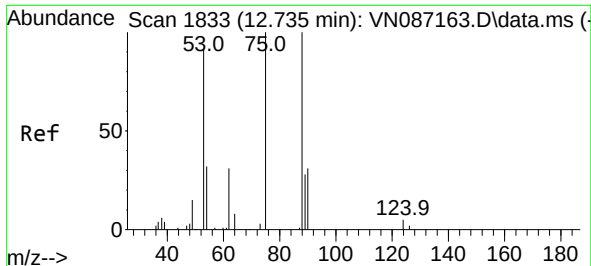
Tgt Ion: 98 Resp: 149028
Ion Ratio Lower Upper
98 100
100 62.7 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 13.599 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.159 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion: 75 Resp: 26080
Ion Ratio Lower Upper
75 100
77 1.1 0.0 379.2

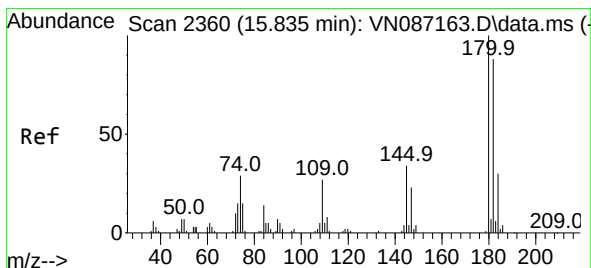
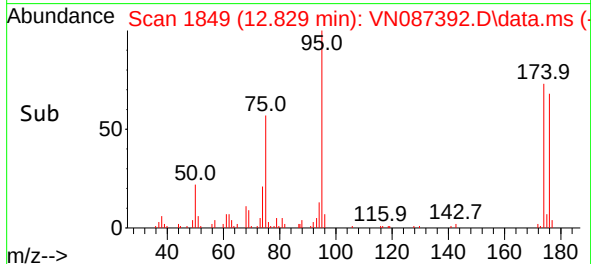
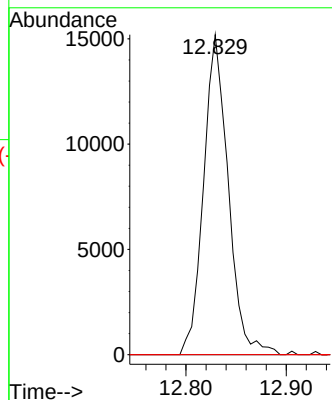
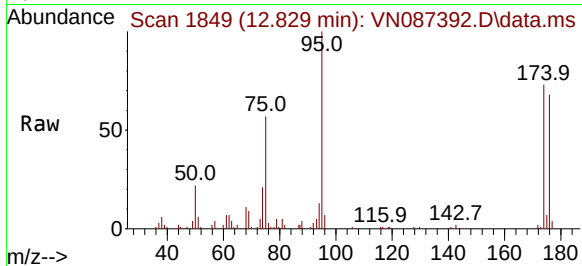




#77
t-1,4-Dichloro-2-butene
Concen: 30.658 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.094 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

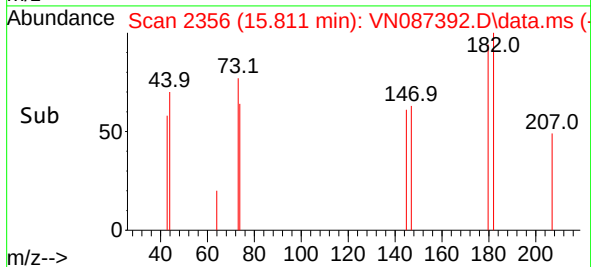
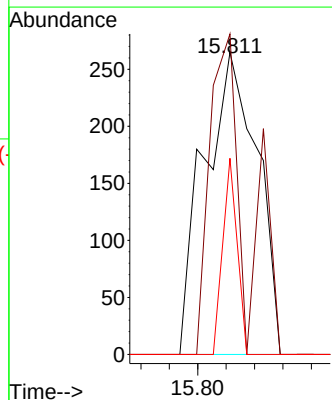
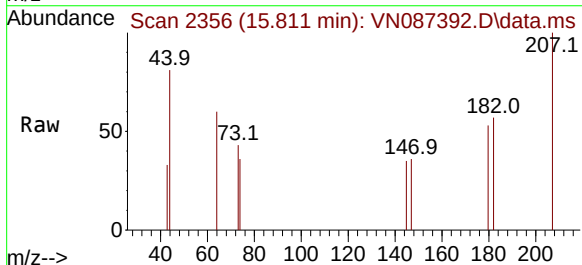
Instrument :
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VN0722WBL01

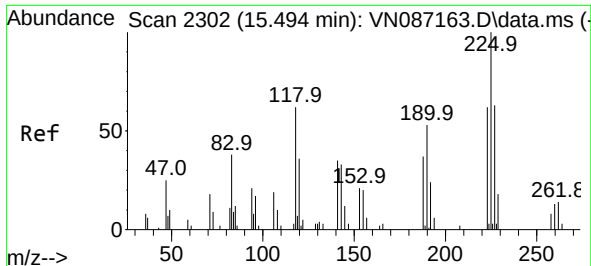
Tgt Ion: 75 Resp: 26080
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#



#89
1,2,4-Trichlorobenzene
Concen: 0.223 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.024 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Tgt Ion:180 Resp: 344
Ion Ratio Lower Upper
180 100
182 52.9 74.2 111.2#
145 0.0 27.6 41.4#

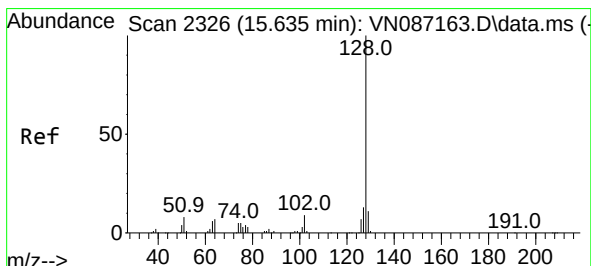
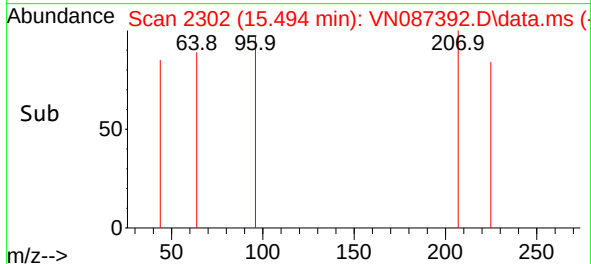
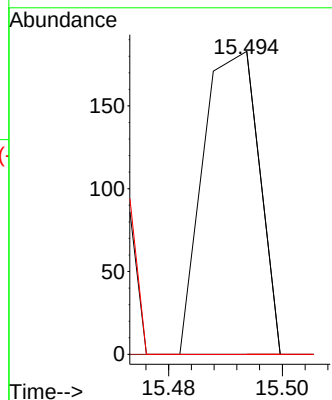
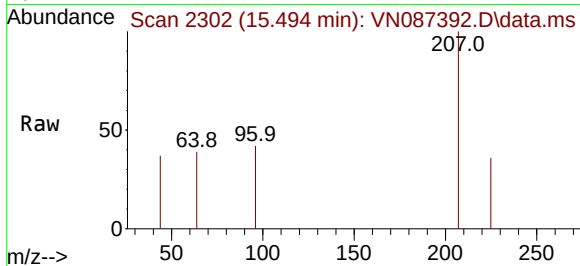




#90
Hexachlorobutadiene
Concen: 0.274 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

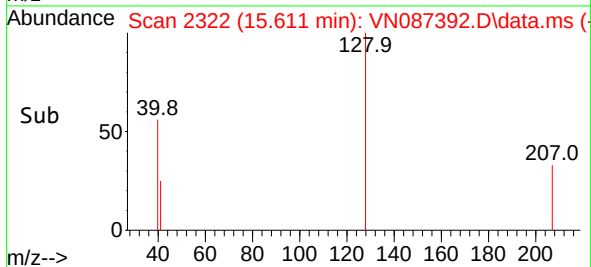
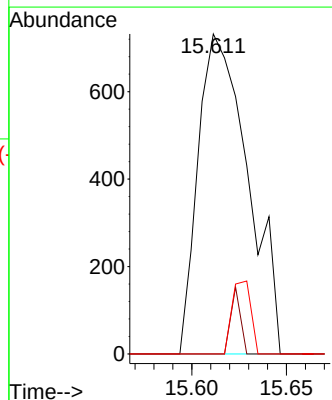
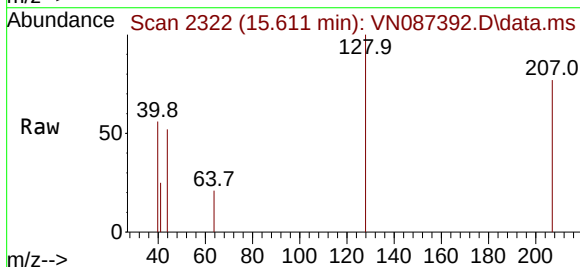
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01

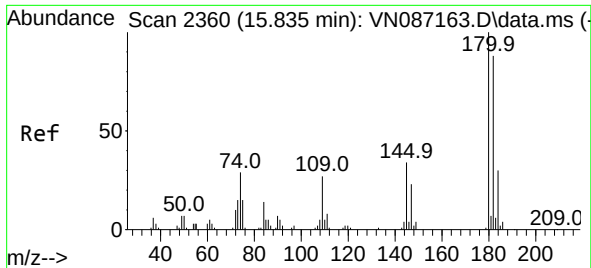
Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	134.2
227	0.0	0.0	122.6



#91
Naphthalene
Concen: 0.220 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.024 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

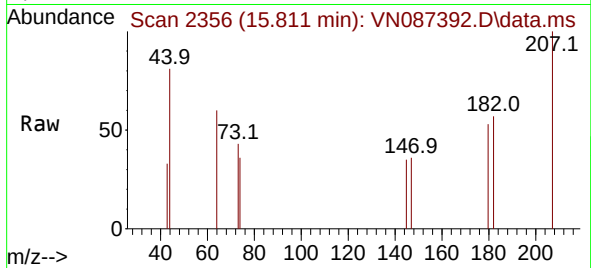
Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	8.6	8.8	13.2#





#92
1,2,3-Trichlorobenzene
Concen: 0.223 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN087392.D
Acq: 22 Jul 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	52.9	0.0	185.4
145	0.0	0.0	69.0

