

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
 Data File : VN087598.D
 Acq On : 18 Aug 2025 11:00
 Operator : JC\MD
 Sample : VN0818WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBL01

Quant Time: Aug 19 01:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

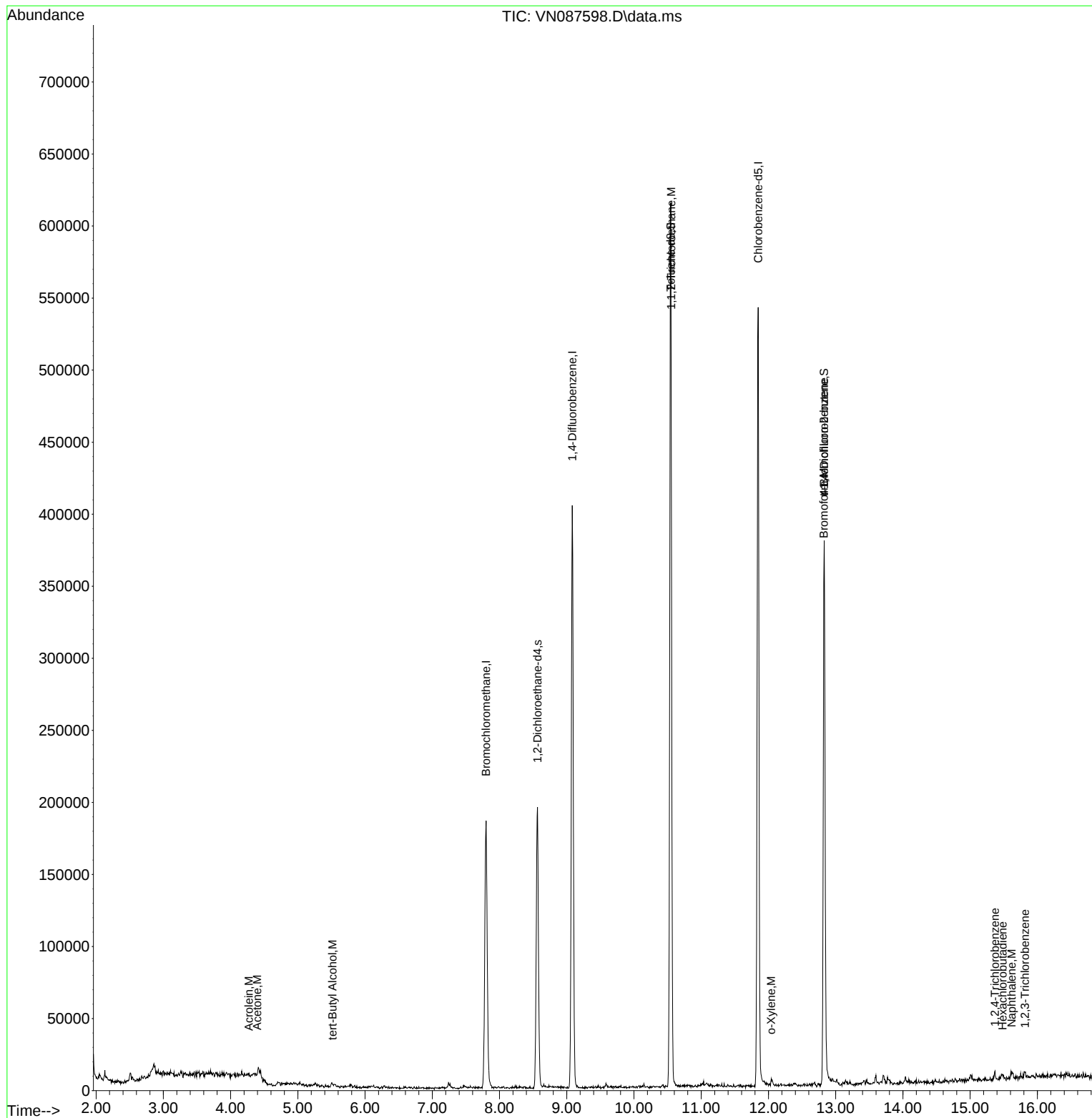
Internal Standards						
1) Bromochloromethane	7.800	128	60369	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	336175	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	294352	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	158591	28.482	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.933%
60) 4-Bromofluorobenzene	12.829	95	138437	27.329	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.100%
63) Toluene-d8	10.547	98	410336	30.297	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.000%
Target Compounds						
					Qvalue	
13) Acrolein	4.271	56	531	0.570	ug/l	96
15) Acetone	4.394	58	367	0.482	ug/l	72
23) tert-Butyl Alcohol	5.518	59	1566	1.383	ug/l #	100
50) 1,1,2-Trichloroethane	10.553	97	13221	3.143	ug/l #	1
56) Bromoform	12.823	173	775	0.241	ug/l #	1
68) o-Xylene	12.041	106	1482	0.203	ug/l	74
77) t-1,4-Dichloro-2-butene	12.829	75	81652	36.375	ug/l #	3
89) 1,2,4-Trichlorobenzene	15.370	180	1126	0.241	ug/l	95
90) Hexachlorobutadiene	15.482	225	689	0.379	ug/l #	25
91) Naphthalene	15.617	128	3867	0.217	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	1535	0.328	ug/l	51

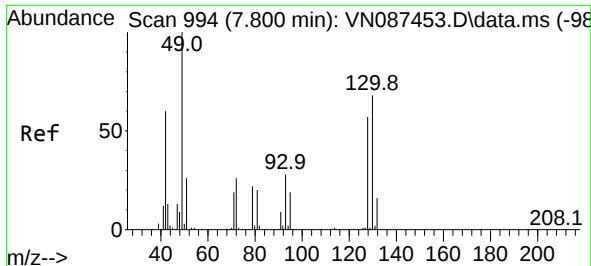
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087598.D
Acq On : 18 Aug 2025 11:00
Operator : JC\MD
Sample : VN0818WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Quant Time: Aug 19 01:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

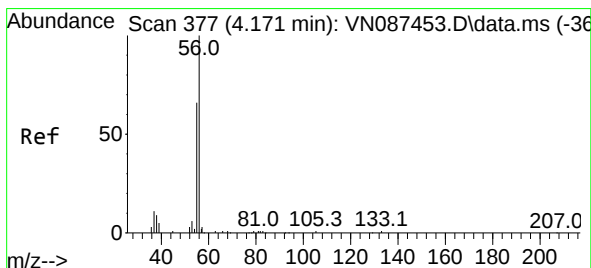
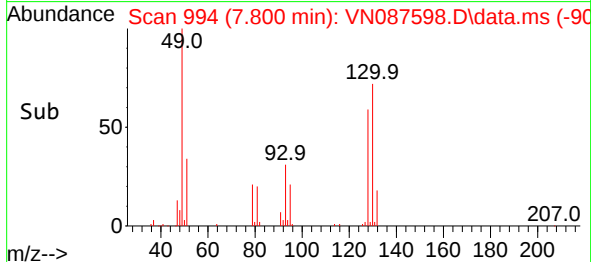
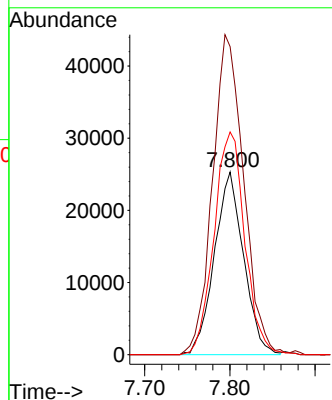
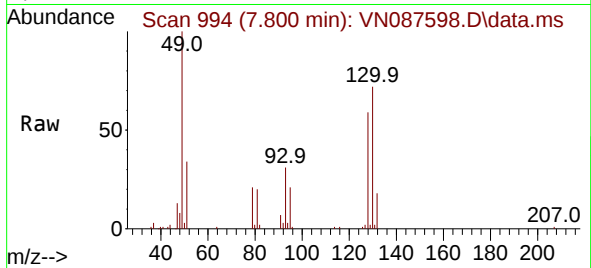




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

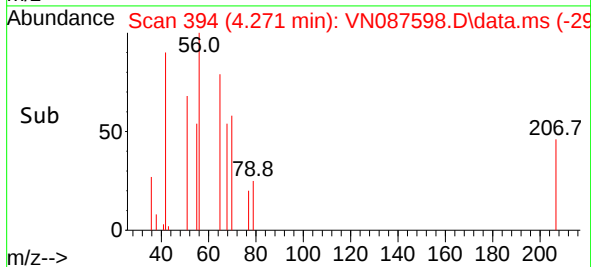
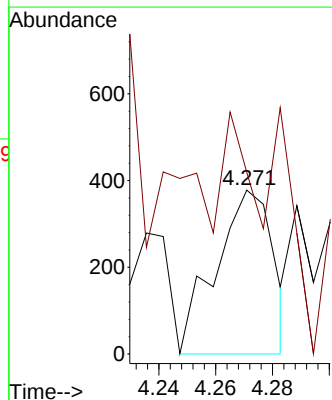
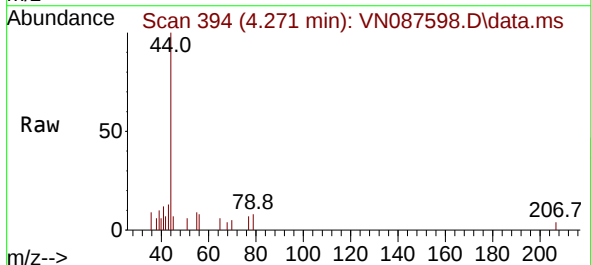
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

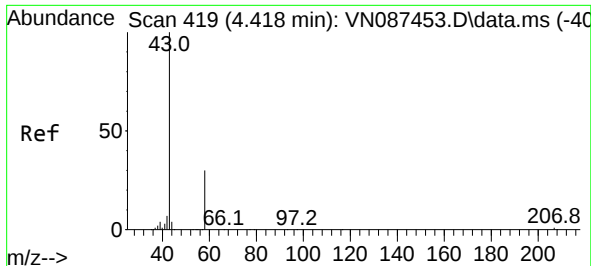
Tgt Ion:128 Resp: 60369
Ion Ratio Lower Upper
128 100
49 185.9 0.0 494.8
130 128.7 0.0 321.5



#13
Acrolein
Concen: 0.570 ug/l
RT: 4.271 min Scan# 394
Delta R.T. 0.100 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 56 Resp: 531
Ion Ratio Lower Upper
56 100
55 68.7 57.4 86.0

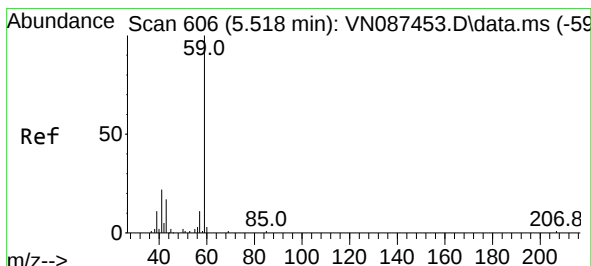
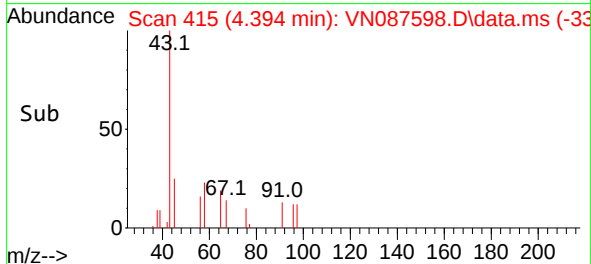
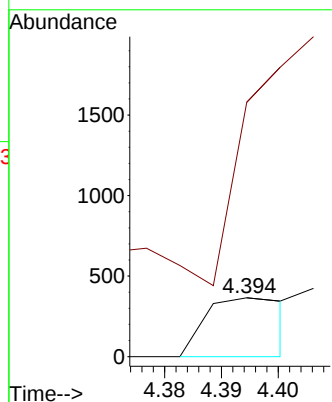
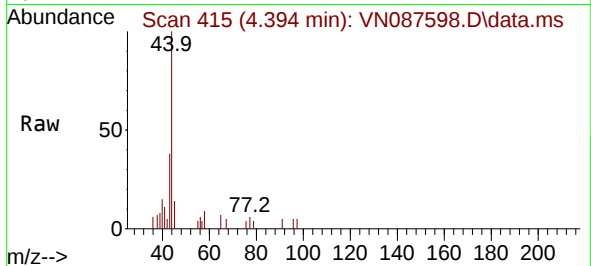




#15
Acetone
Concen: 0.482 ug/l
RT: 4.394 min Scan# 419
Delta R.T. -0.024 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

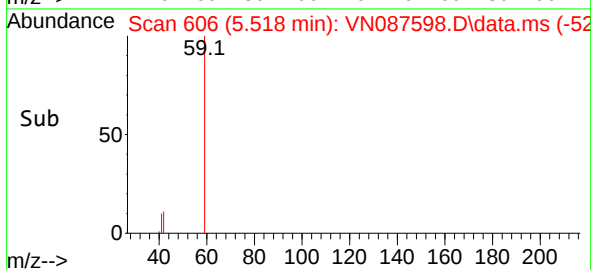
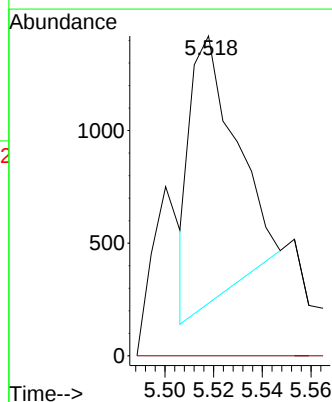
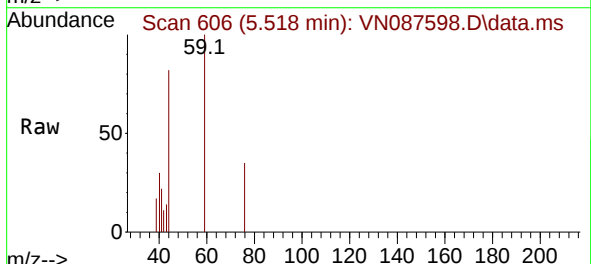
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

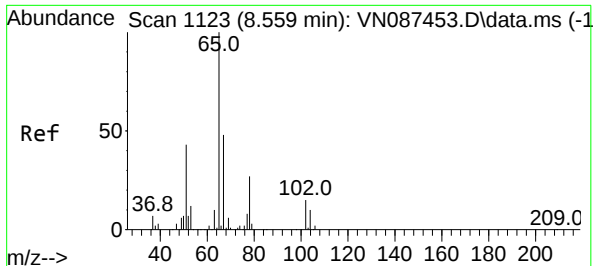
Tgt Ion: 58 Resp: 367
Ion Ratio Lower Upper
58 100
43 277.8 268.9 403.3



#23
tert-Butyl Alcohol
Concen: 1.383 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 59 Resp: 1566
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

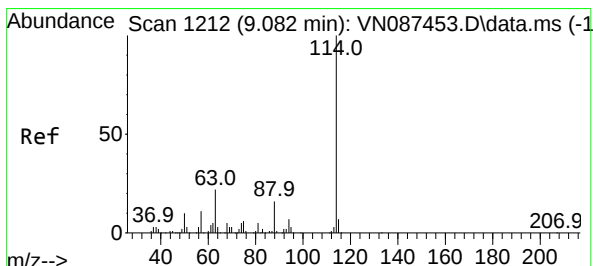
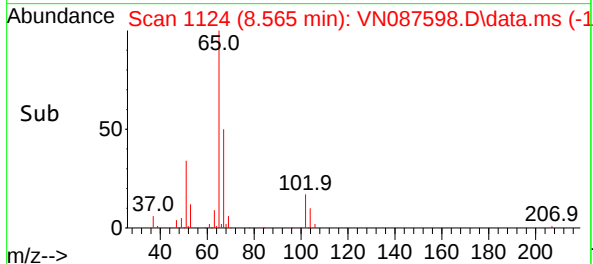
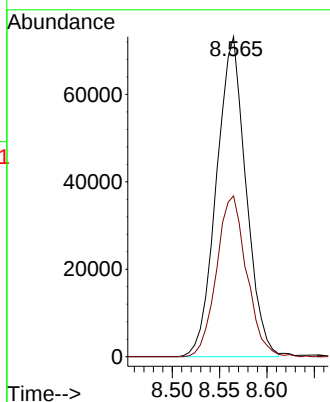
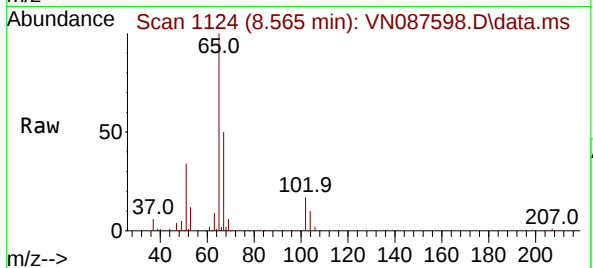




#27
1,2-Dichloroethane-d4
Concen: 28.482 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

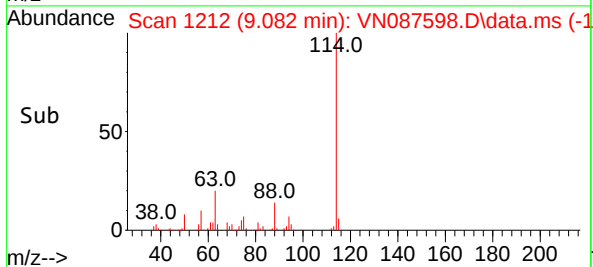
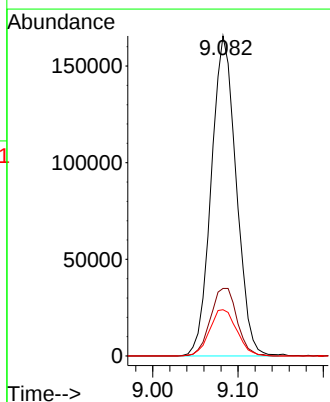
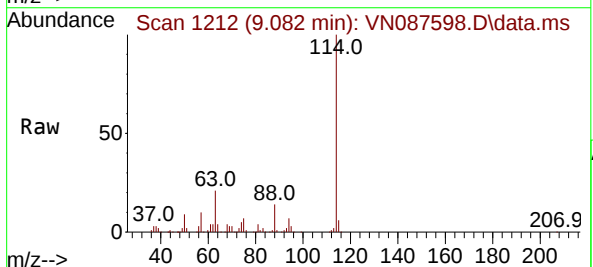
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

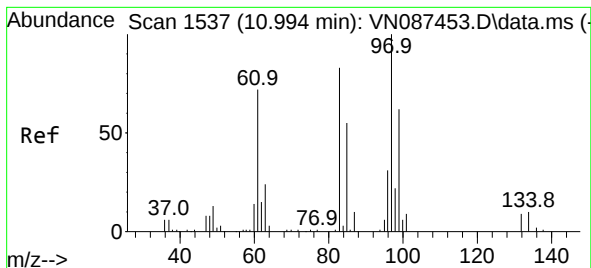
Tgt Ion: 65 Resp: 158591
Ion Ratio Lower Upper
65 100
67 51.1 40.8 61.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 114 Resp: 336175
Ion Ratio Lower Upper
114 100
63 22.6 18.9 28.3
88 15.9 13.1 19.7

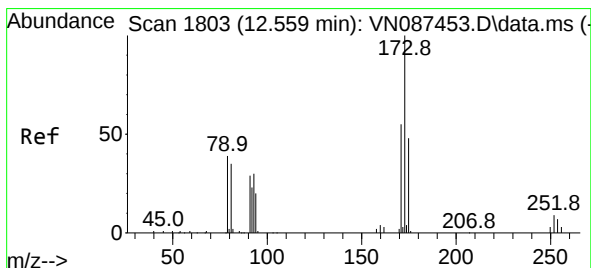
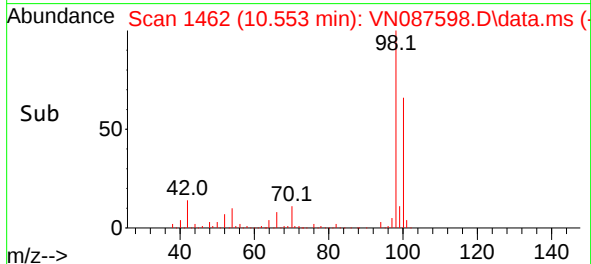
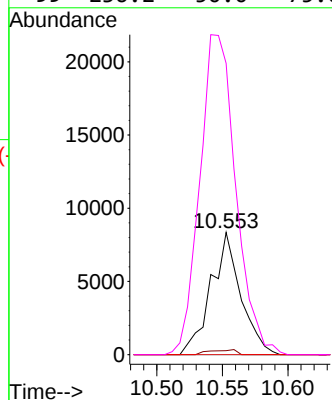
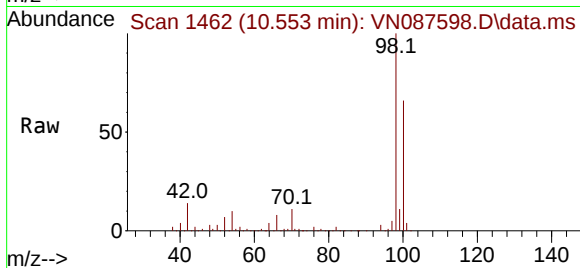




#50
1,1,2-Trichloroethane
Concen: 3.143 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

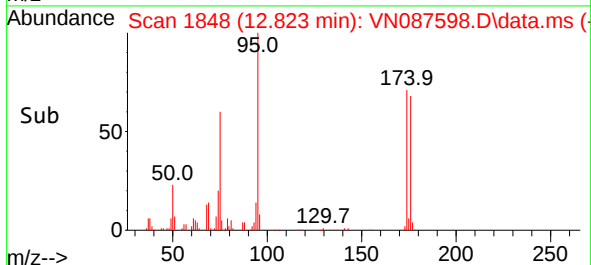
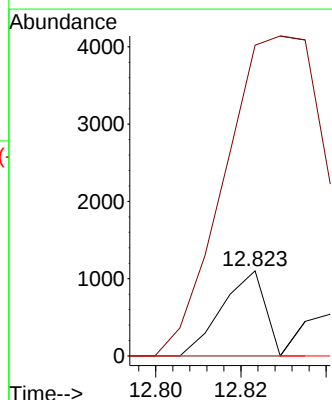
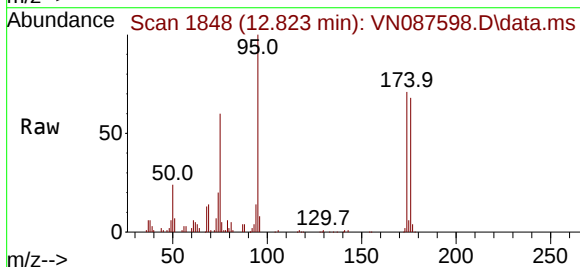
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

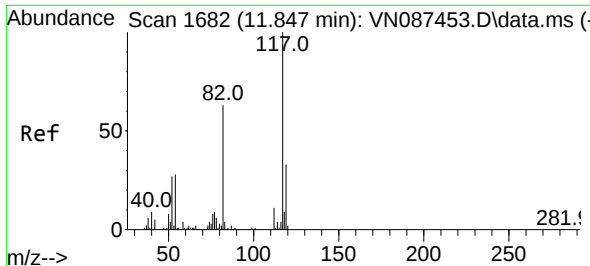
Tgt Ion: 97	Resp: 13221
Ion Ratio	Lower Upper
97 100	
83 3.3	66.2 99.2#
85 0.0	43.9 65.9#
99 236.2	50.0 75.0#



#56
Bromoform
Concen: 0.241 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 173	Resp: 775
Ion Ratio	Lower Upper
173 100	
175 983.9	38.8 58.2#
254 0.0	3.9 5.9#

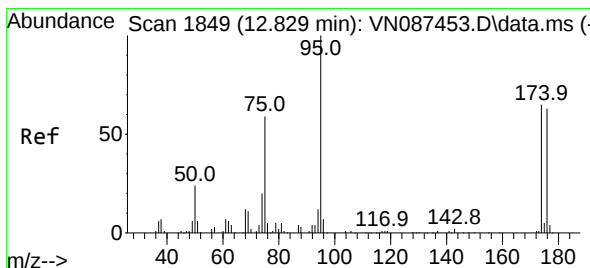
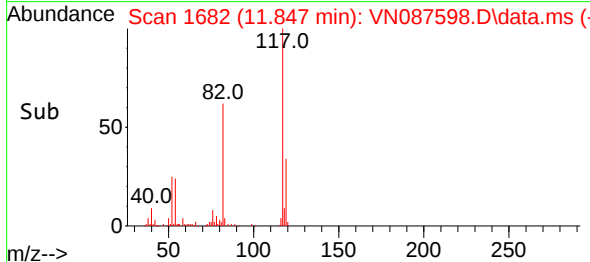
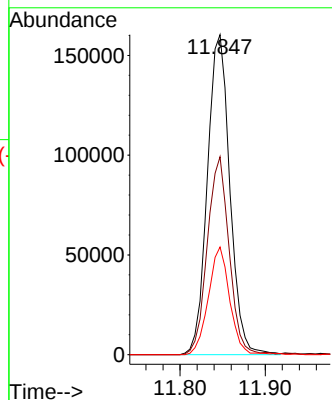
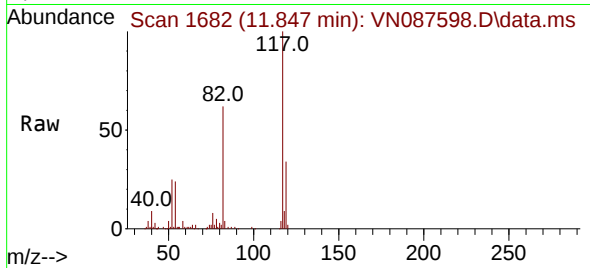




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

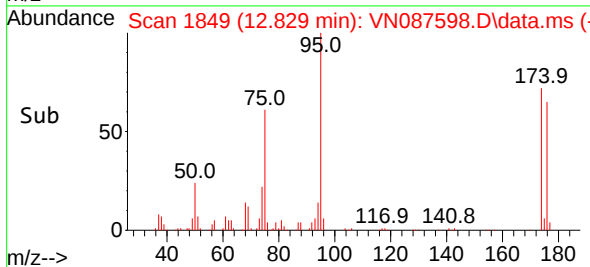
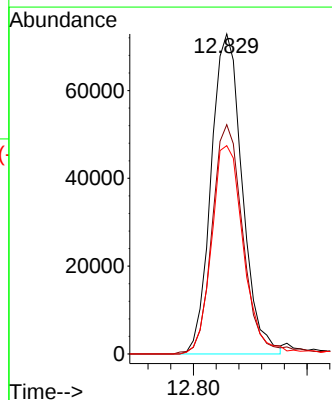
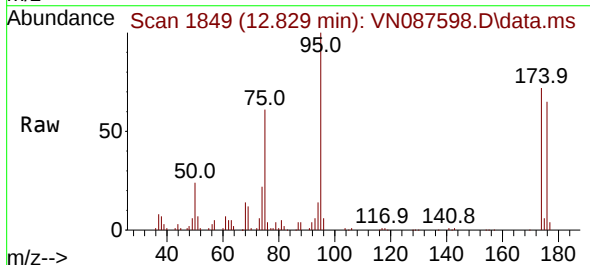
Instrument :
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ClientSampleId :
VN0818WBL01

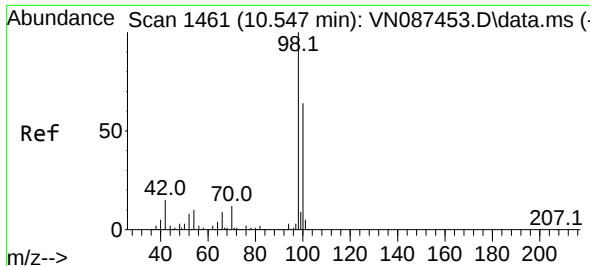
Tgt Ion:117 Resp: 294352
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 31.6 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 27.329 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 95 Resp: 138437
Ion Ratio Lower Upper
95 100
174 70.1 52.3 78.5
176 66.3 49.8 74.8

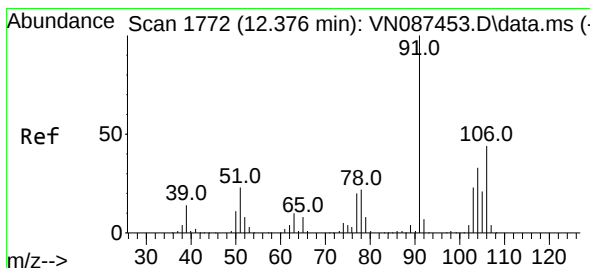
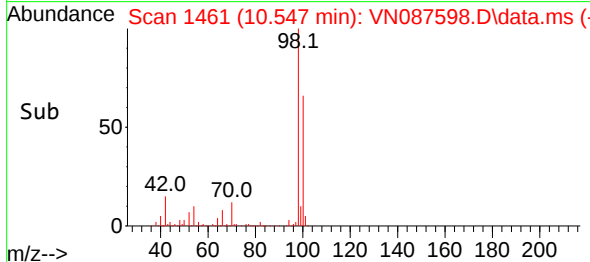
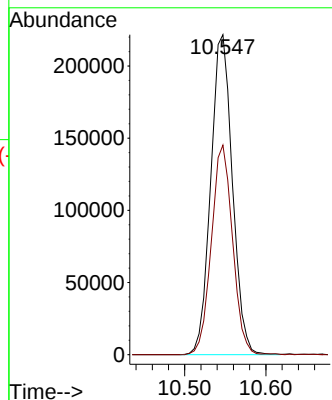
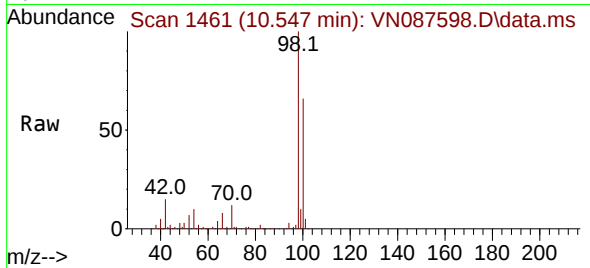




#63
Toluene-d8
Concen: 30.297 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

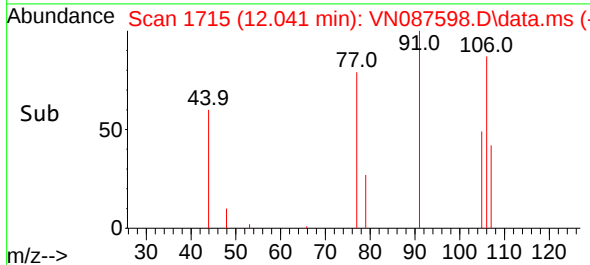
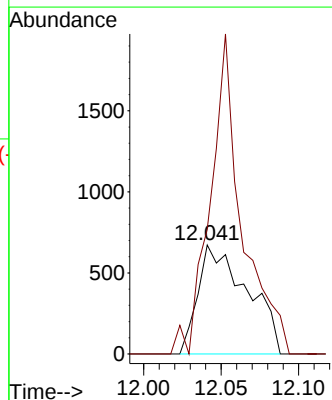
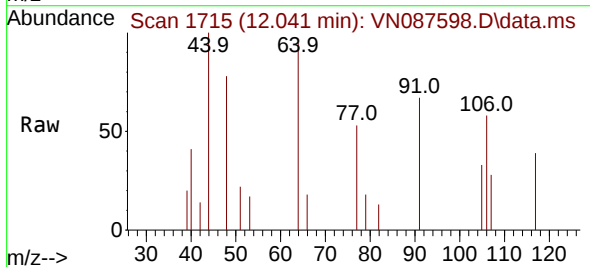
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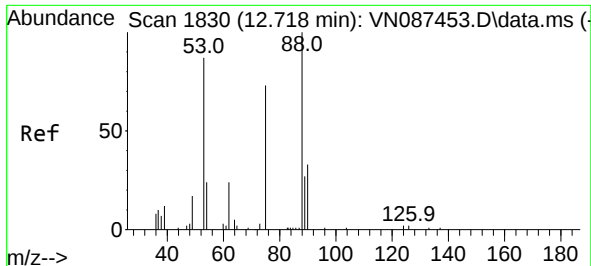
Tgt Ion: 98 Resp: 410336
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7



#68
o-Xylene
Concen: 0.203 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.335 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion:106 Resp: 1482
Ion Ratio Lower Upper
106 100
91 185.4 114.5 343.5

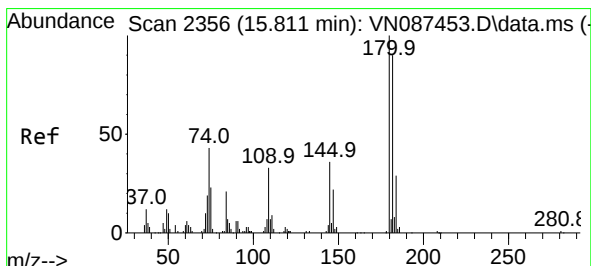
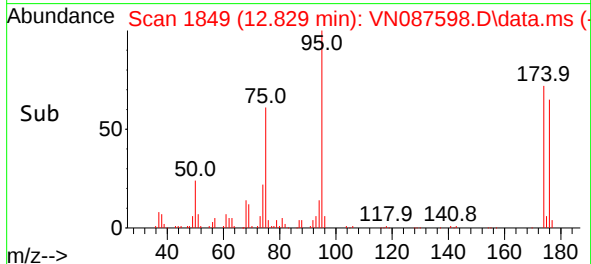
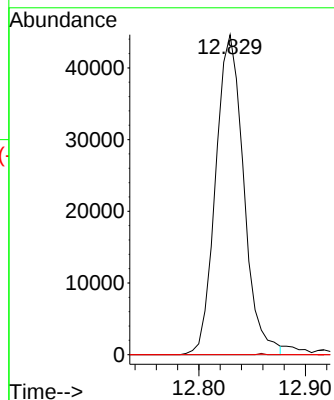
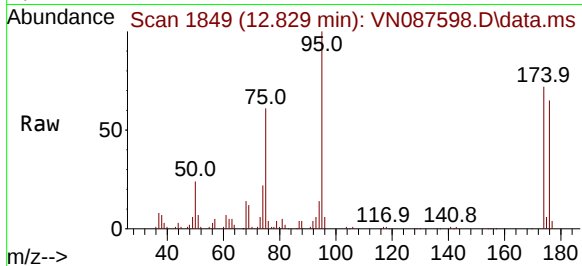




#77
 t-1,4-Dichloro-2-butene
 Concen: 36.375 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087598.D
 Acq: 18 Aug 2025 11:00

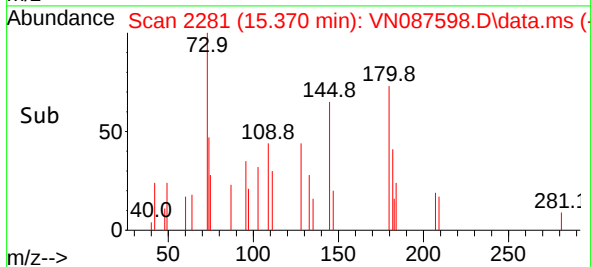
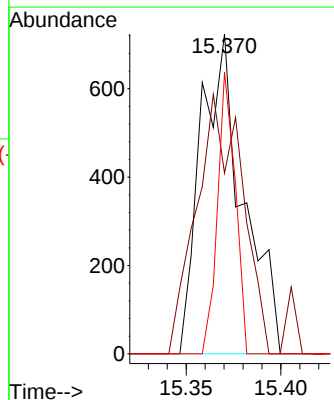
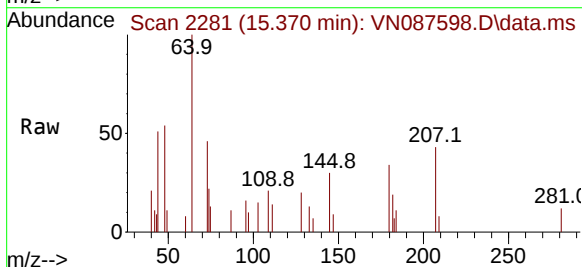
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBL01

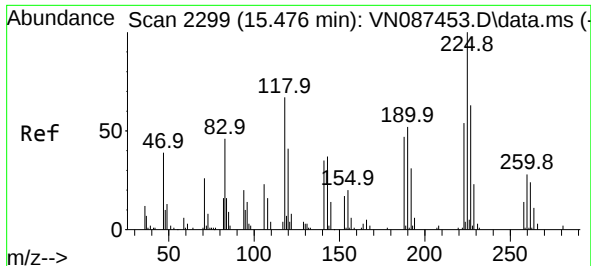
Tgt Ion: 75 Resp: 81652
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.0 176.8#
 89 0.0 22.1 66.5#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 15.370 min Scan# 2281
 Delta R.T. -0.441 min
 Lab File: VN087598.D
 Acq: 18 Aug 2025 11:00

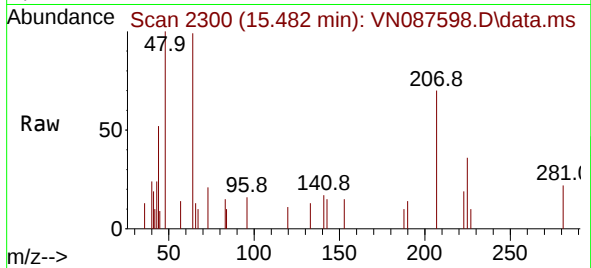
Tgt Ion:180 Resp: 1126
 Ion Ratio Lower Upper
 180 100
 182 87.8 75.0 112.4
 145 36.9 28.6 43.0



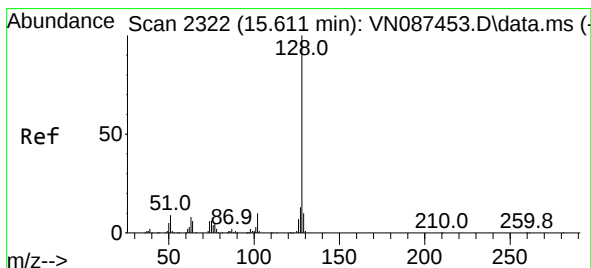
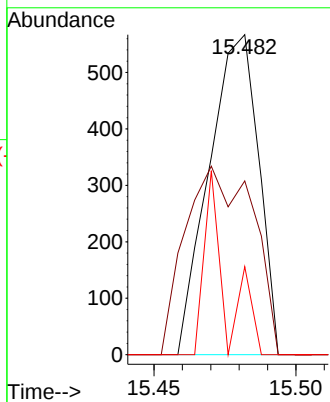
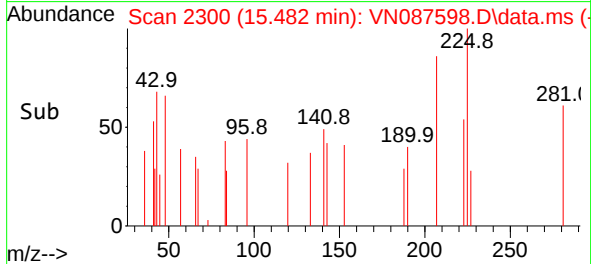


#90
Hexachlorobutadiene
Concen: 0.379 ug/l
RT: 15.482 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

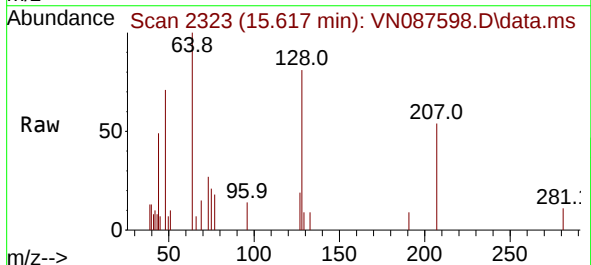
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01



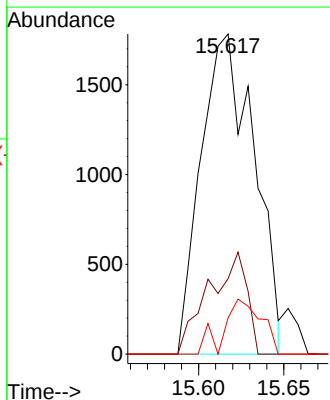
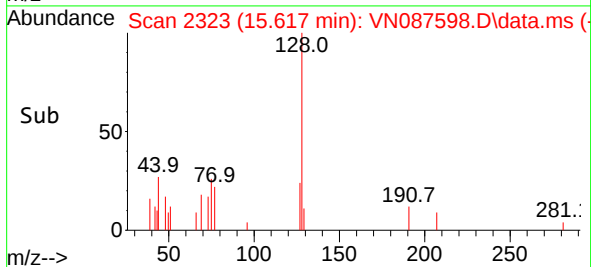
Tgt Ion:225 Resp: 689
Ion Ratio Lower Upper
225 100
223 0.0 0.0 116.0
227 8.0 0.0 127.0

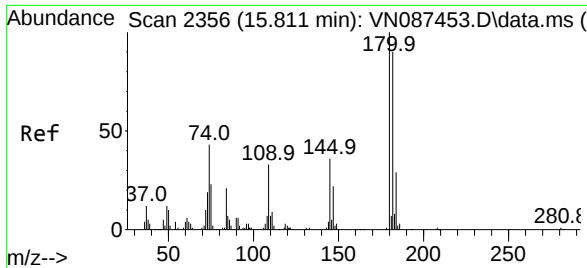


#91
Naphthalene
Concen: 0.217 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00



Tgt Ion:128 Resp: 3867
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.6 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 0.328 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087598.D
 Acq: 18 Aug 2025 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBL01

Tgt Ion:	180	Resp:	1535
Ion Ratio	Lower	Upper	
180	100		
182	44.6	0.0	187.4
145	10.0	0.0	71.6

