

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
 Data File : VN087669.D
 Acq On : 26 Aug 2025 14:48
 Operator : JC\MD
 Sample : VN0826MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826MBL01

Quant Time: Aug 27 01:47:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

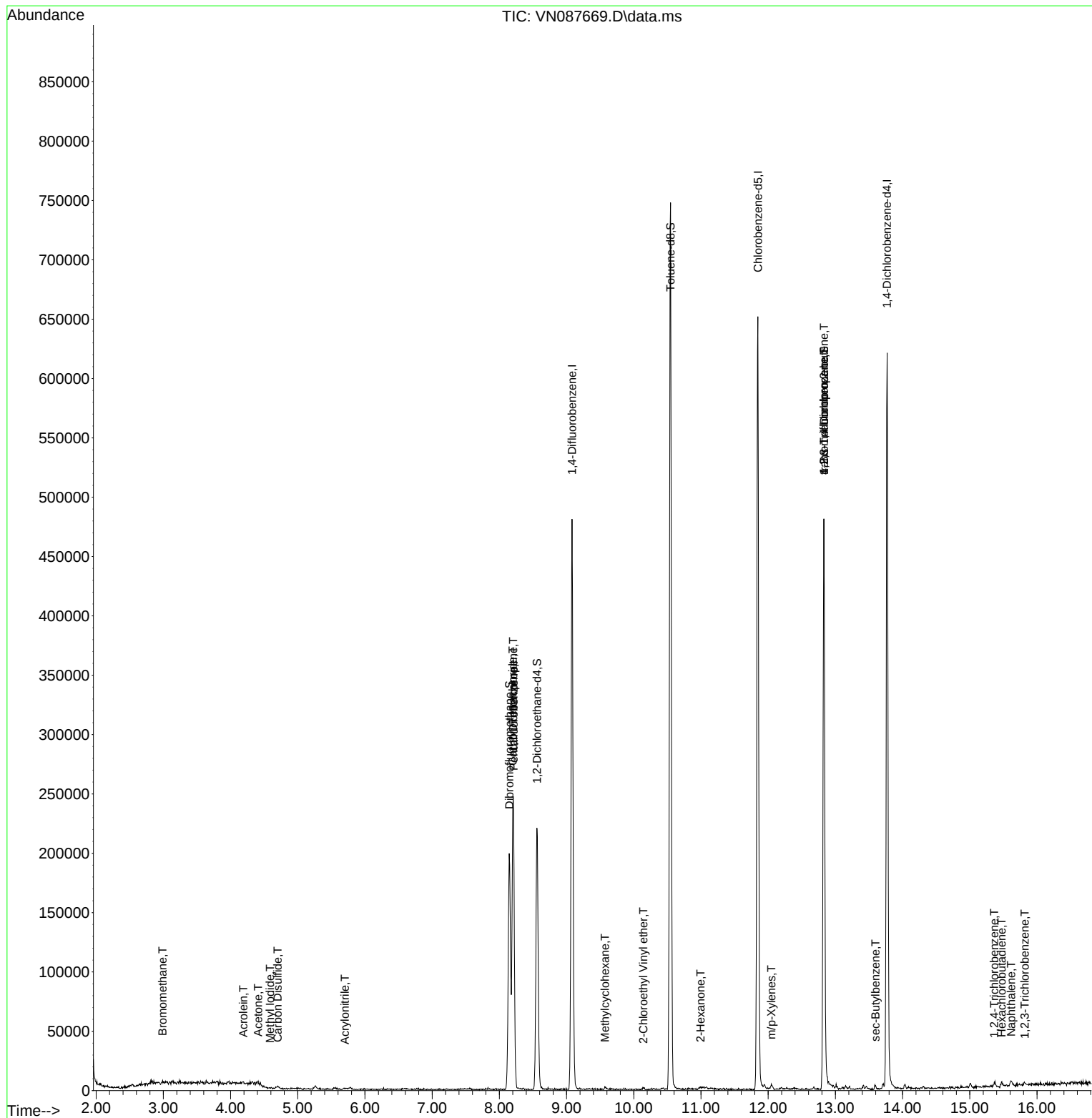
Internal Standards						
1) Pentafluorobenzene	8.212	168	164593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	384956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	350926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	157400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	187925	55.726	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.460%
35) Dibromofluoromethane	8.147	113	142905	51.416	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.840%
50) Toluene-d8	10.547	98	498001	47.872	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.829	95	167062	45.158	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	611	0.425	ug/l #	44
10) Methyl Iodide	4.589	142	319	6.970	ug/l #	84
13) Acrolein	4.189	56	867	1.205	ug/l	84
15) Acrylonitrile	5.700	53	417	0.253	ug/l #	16
16) Acetone	4.412	43	3501	1.907	ug/l #	47
17) Carbon Disulfide	4.700	76	2658	0.407	ug/l #	77
20) Methylene Chloride	5.259	84	2021	Below Cal	#	45
36) 1,1-Dichloropropene	8.206	75	16692	3.915	ug/l #	52
38) Carbon Tetrachloride	8.200	117	19764	4.695	ug/l #	16
39) Methylcyclohexane	9.571	83	1059	0.226	ug/l #	58
58) 2-Chloroethyl Vinyl ether	10.141	63	699	0.258	ug/l #	64
59) 2-Hexanone	10.994	43	1348	0.389	ug/l	99
68) m/p-Xylenes	12.047	106	1211	0.218	ug/l	98
76) 1,2,3-Trichloropropane	12.829	75	95139	25.775	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	95139	68.237	ug/l #	1
85) sec-Butylbenzene	13.600	105	2989	0.224	ug/l	89
93) 1,2,4-Trichlorobenzene	15.364	180	841	0.250	ug/l #	44
94) Hexachlorobutadiene	15.476	225	722	0.602	ug/l	82
95) Naphthalene	15.617	128	5177	0.434	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.817	180	1511	0.459	ug/l #	70

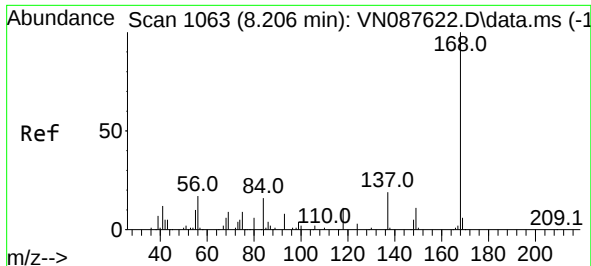
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

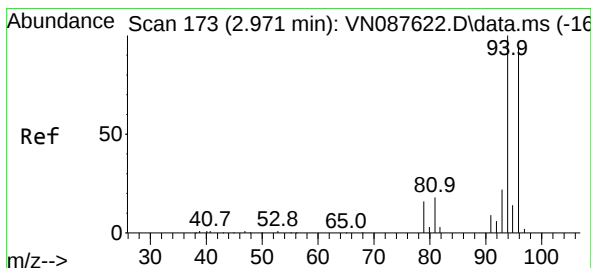
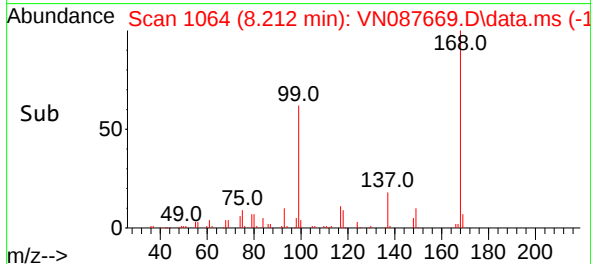
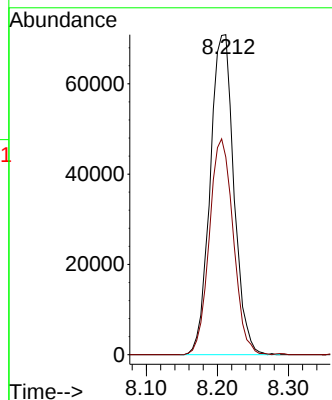
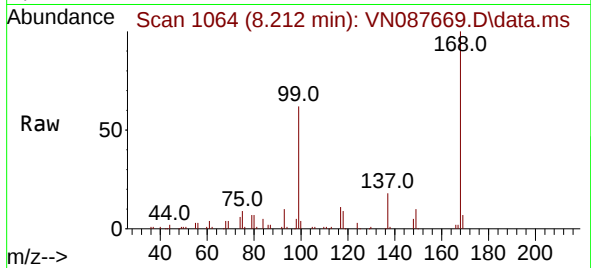




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

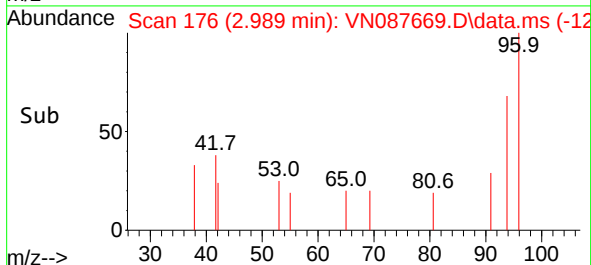
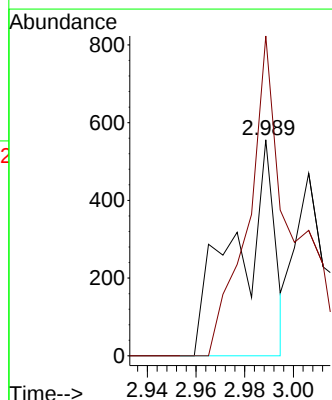
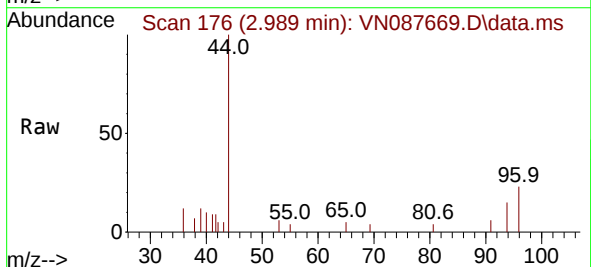
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

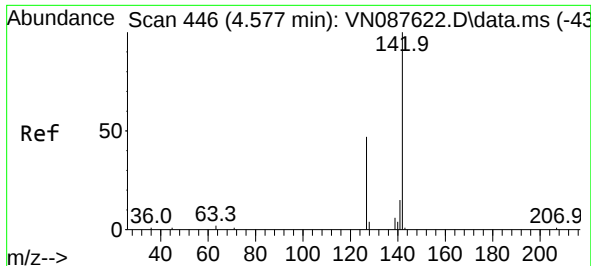
Tgt Ion:168 Resp: 164593
Ion Ratio Lower Upper
168 100
99 61.7 57.2 85.8



#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.017 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 94 Resp: 611
Ion Ratio Lower Upper
94 100
96 148.0 75.4 113.2#

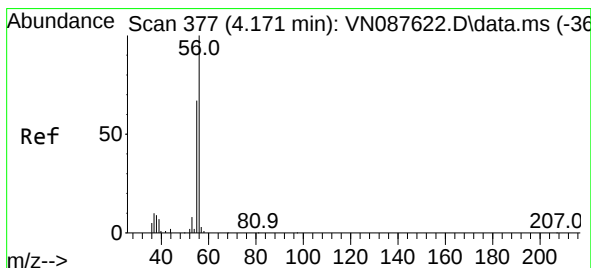
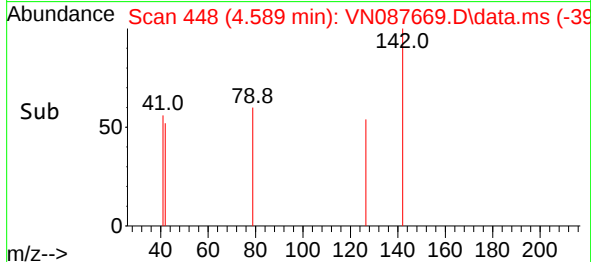
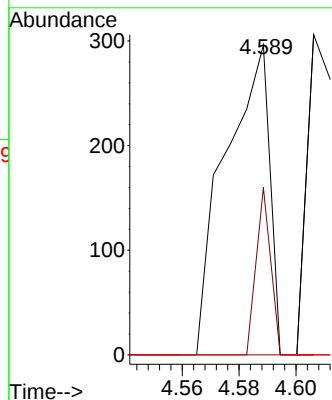
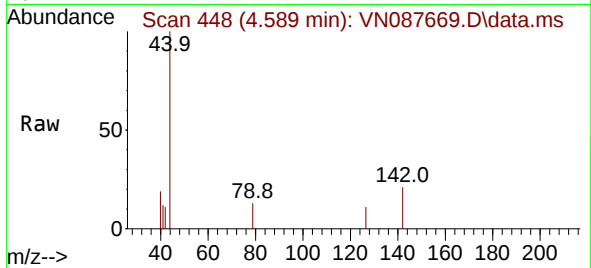




#10
Methyl Iodide
Concen: 6.970 ug/l
RT: 4.589 min Scan# 446
Delta R.T. 0.012 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

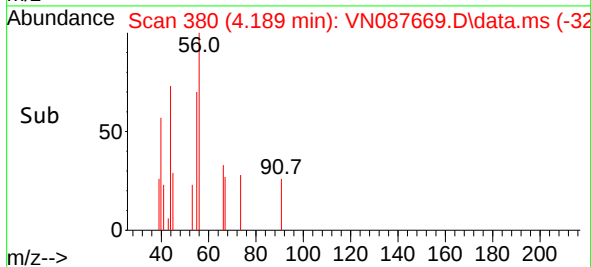
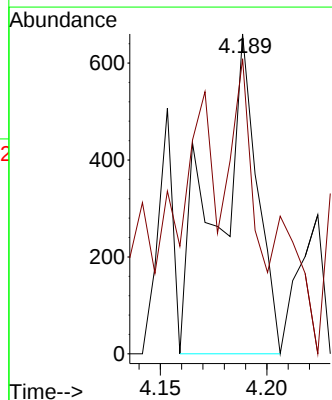
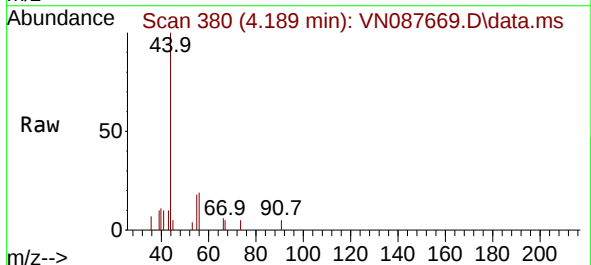
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

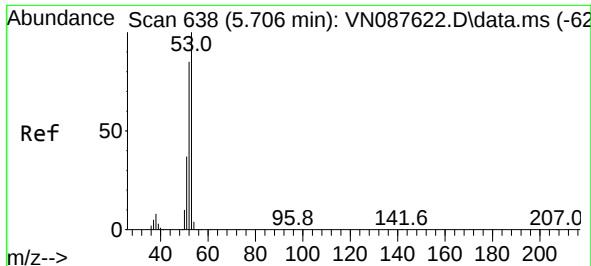
Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
127 54.1 38.0 57.0
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 1.205 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.017 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

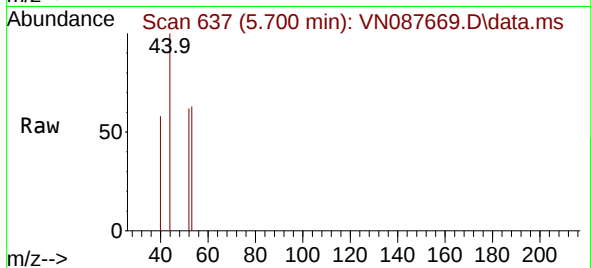
Tgt Ion: 56 Resp: 867
Ion Ratio Lower Upper
56 100
55 58.2 57.3 85.9



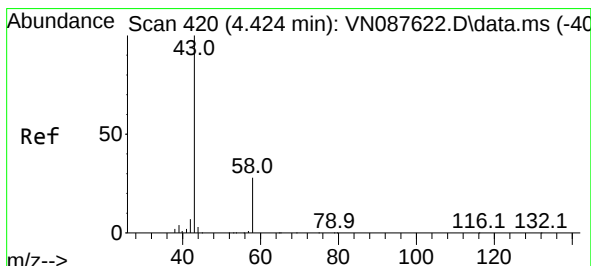
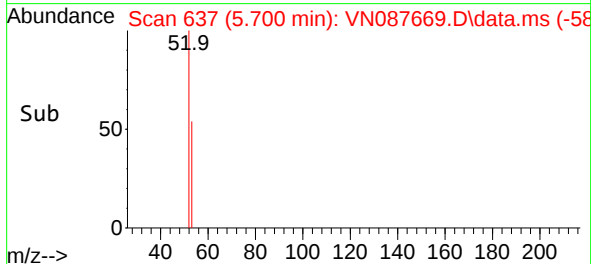
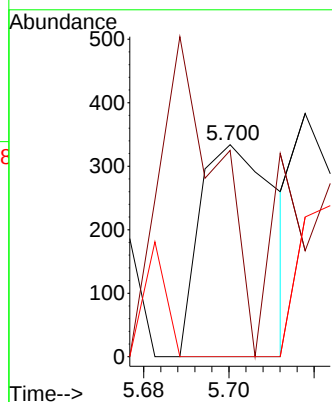


#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 5.700 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

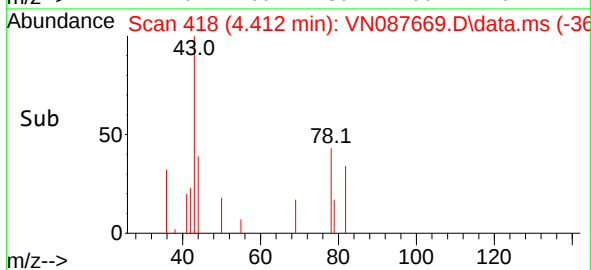
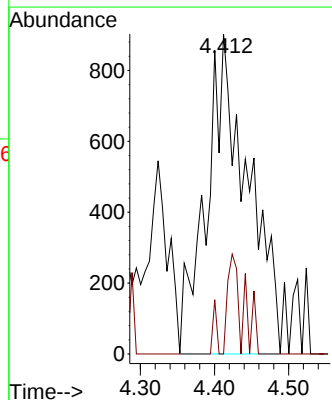
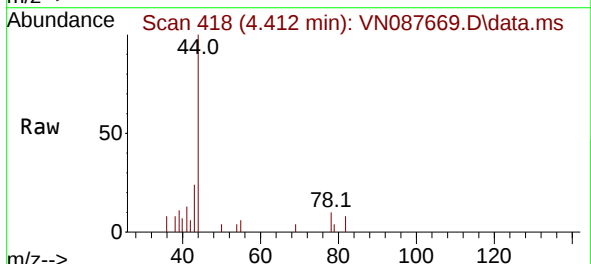


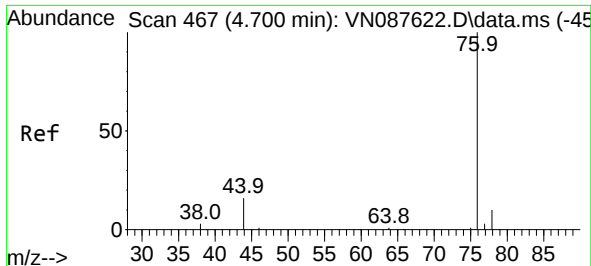
Tgt Ion: 53	Resp:	417	
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.6	101.4#
51	0.0	30.1	45.1#



#16
Acetone
Concen: 1.907 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 43	Resp:	3501	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.6	33.8#

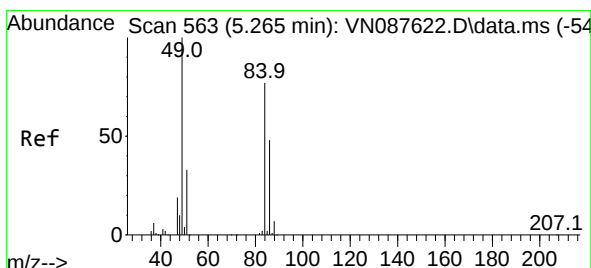
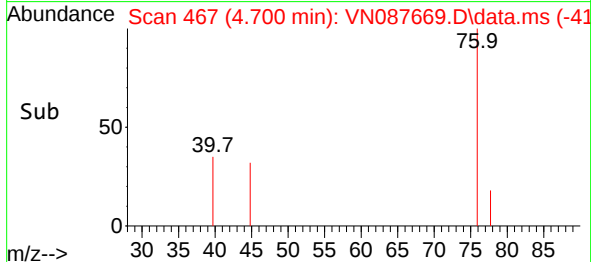
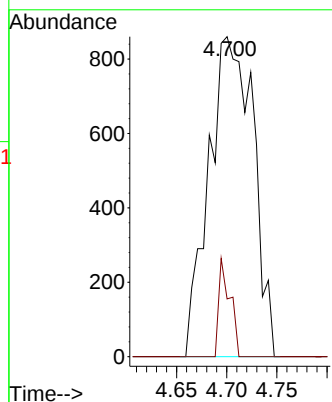
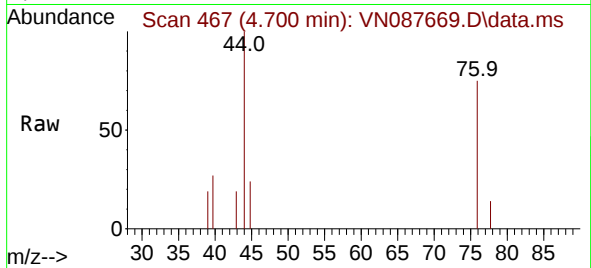




#17
Carbon Disulfide
Concen: 0.407 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

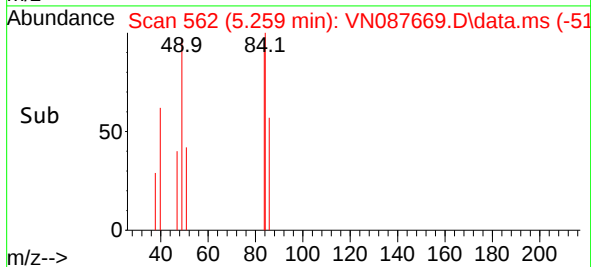
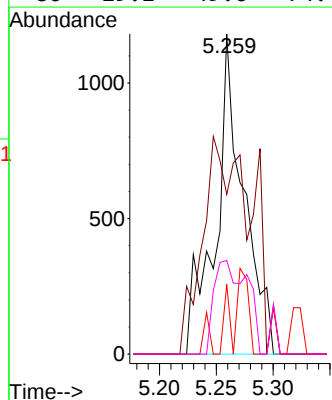
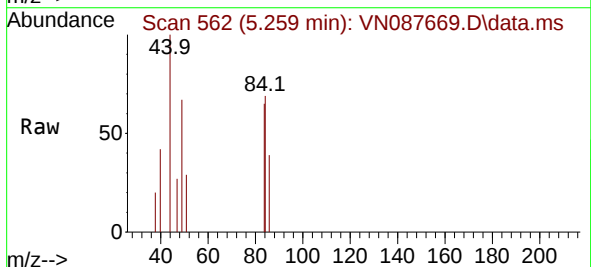
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

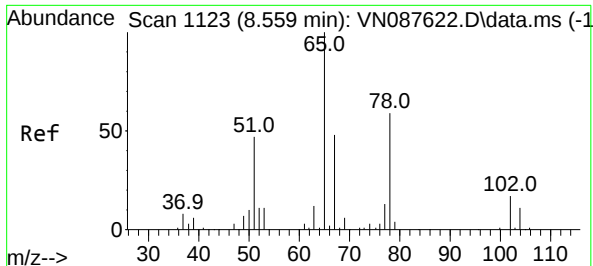
Tgt Ion: 76 Resp: 2658
Ion Ratio Lower Upper
76 100
78 18.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 84 Resp: 2021
Ion Ratio Lower Upper
84 100
49 49.9 103.4 155.2#
51 21.8 33.8 50.8#
86 29.2 49.6 74.4#





#33

1,2-Dichloroethane-d4

Concen: 55.726 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087669.D

Acq: 26 Aug 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

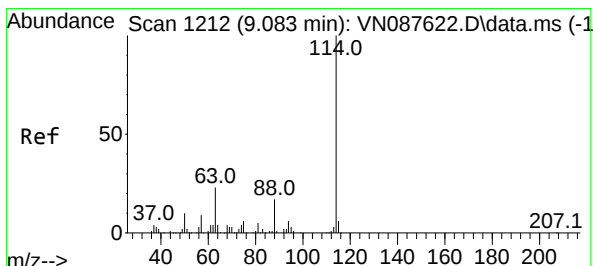
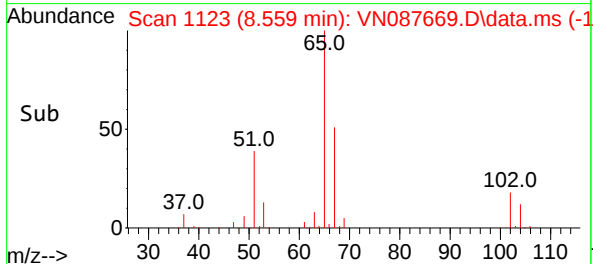
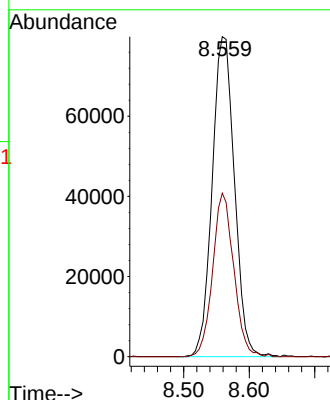
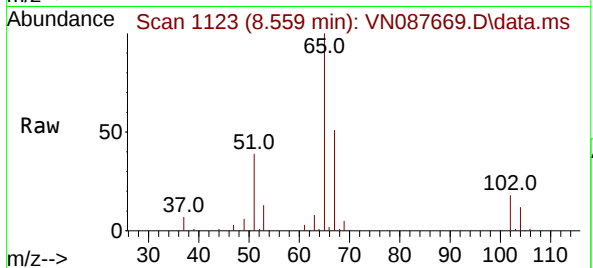
VN0826MBL01

Tgt Ion: 65 Resp: 187925

Ion Ratio Lower Upper

65 100

67 48.5 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087669.D

Acq: 26 Aug 2025 14:48

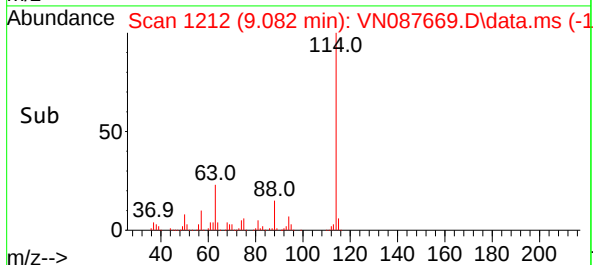
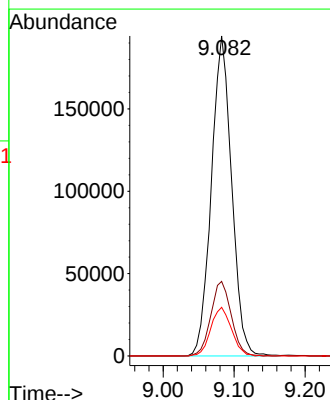
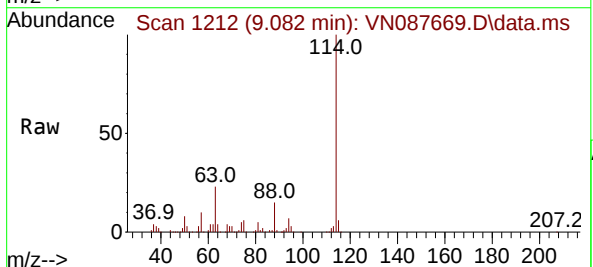
Tgt Ion: 114 Resp: 384956

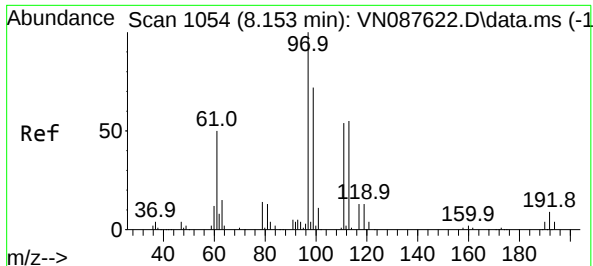
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

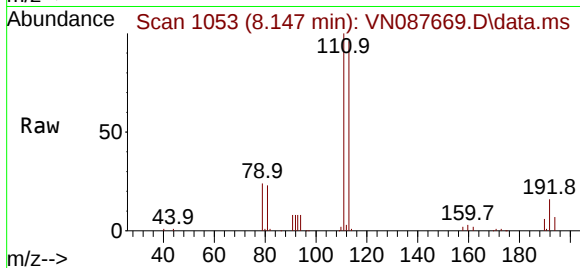
88 15.2 0.0 33.4



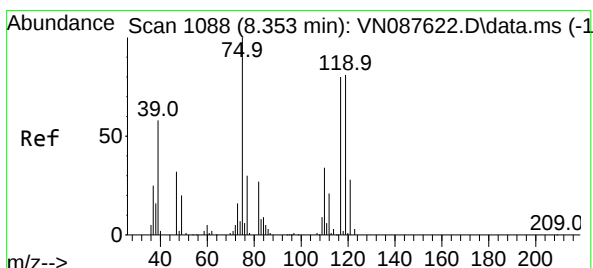
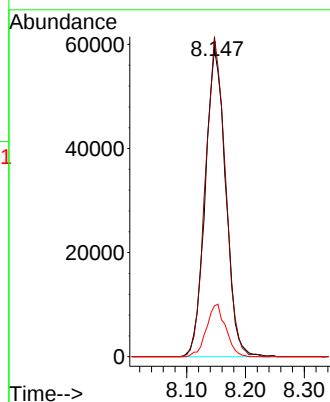
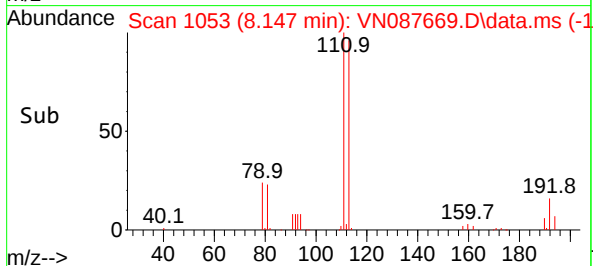


#35
Dibromofluoromethane
Concen: 51.416 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Instrument :
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ClientSampleId :
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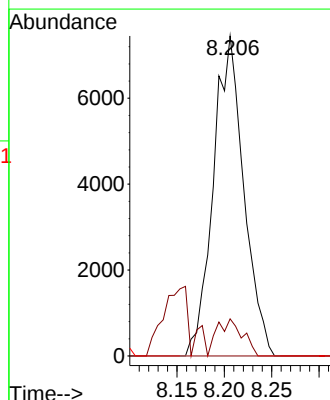
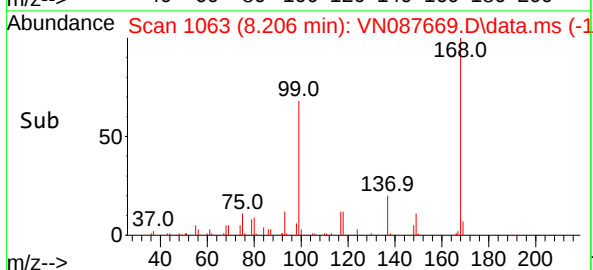
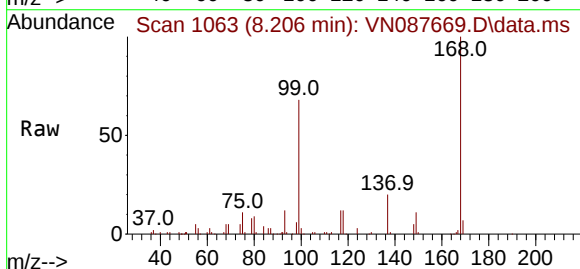


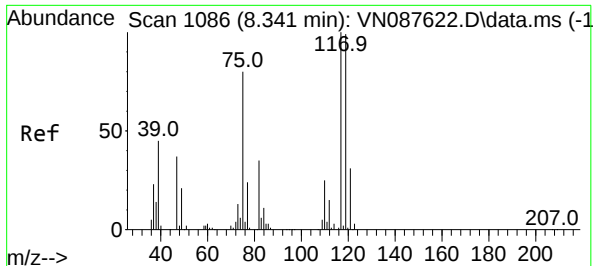
Tgt Ion:113 Resp: 142905
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 16.0 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.915 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

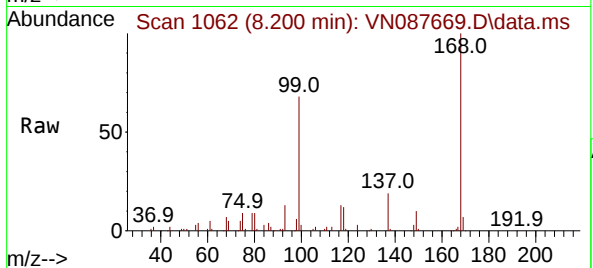
Tgt Ion: 75 Resp: 16692
Ion Ratio Lower Upper
75 100
110 9.6 15.9 47.6#
77 0.0 24.4 36.6#



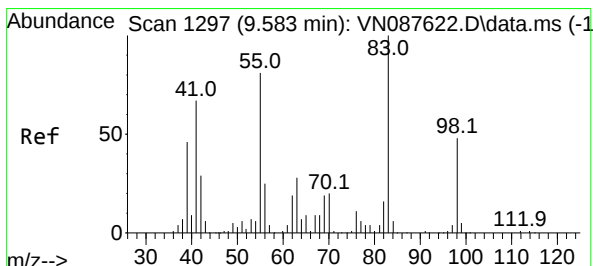
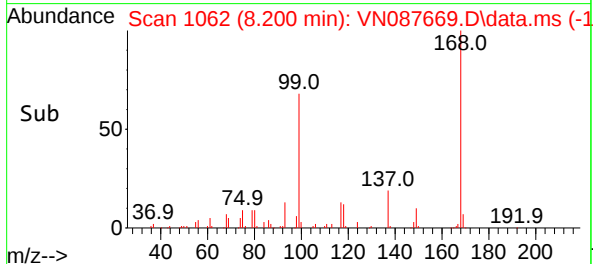
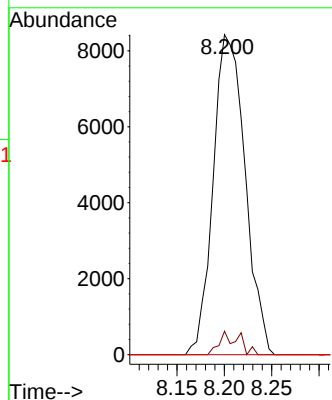


#38
Carbon Tetrachloride
Concen: 4.695 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

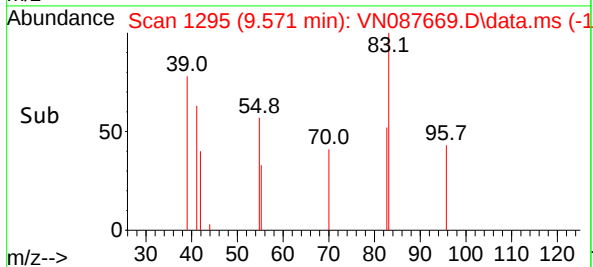
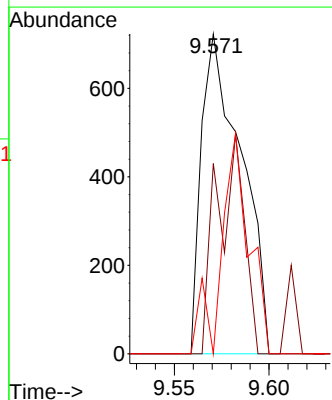
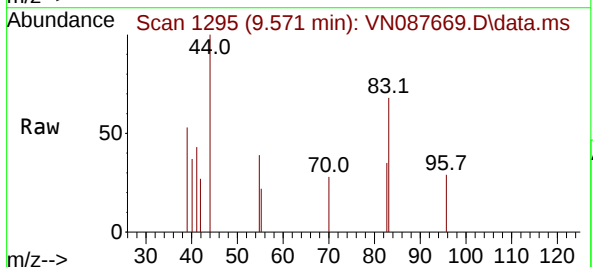


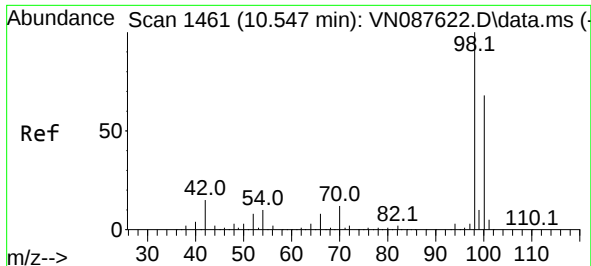
Tgt Ion:117 Resp: 19764
Ion Ratio Lower Upper
117 100
119 7.3 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 0.226 ug/l
RT: 9.571 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 83 Resp: 1059
Ion Ratio Lower Upper
83 100
55 59.5 64.6 96.8#
98 0.0 38.4 57.6#

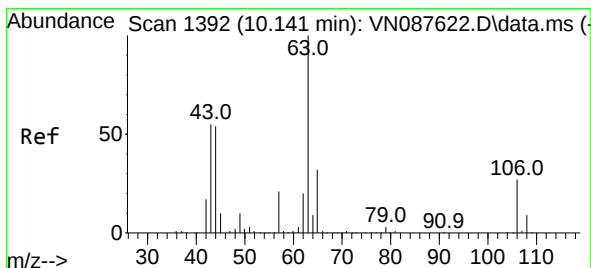
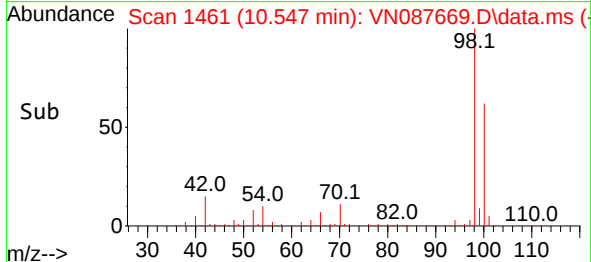
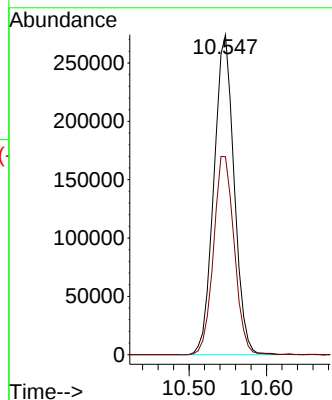
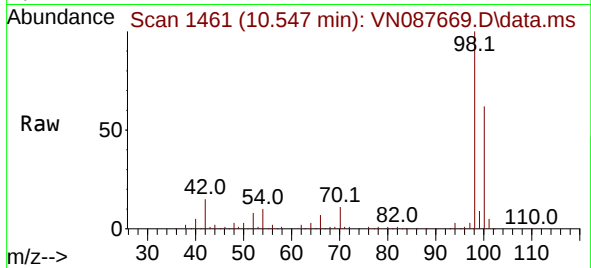




#50
Toluene-d8
Concen: 47.872 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

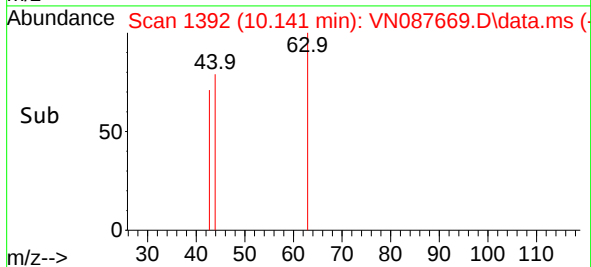
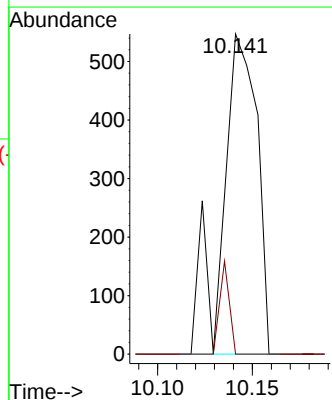
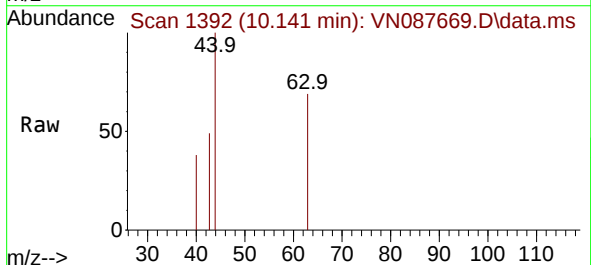
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

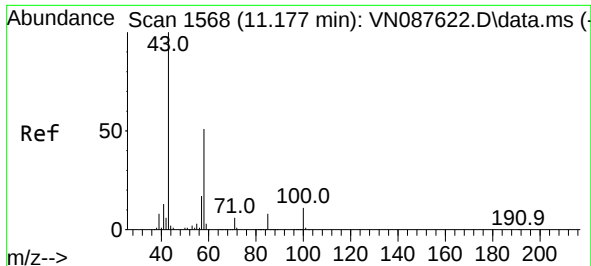
Tgt Ion: 98 Resp: 498001
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#58
2-Chloroethyl Vinyl ether
Concen: 0.258 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 63 Resp: 699
Ion Ratio Lower Upper
63 100
106 8.0 21.1 31.7#

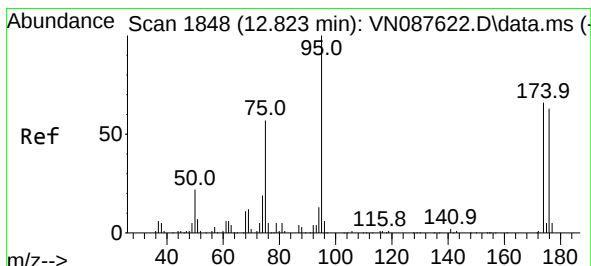
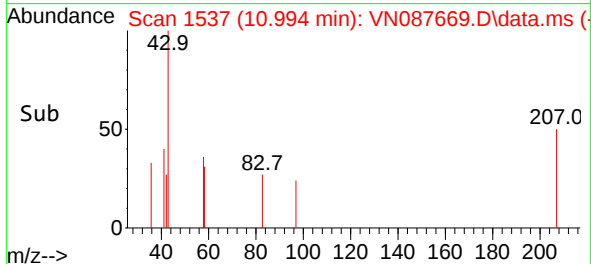
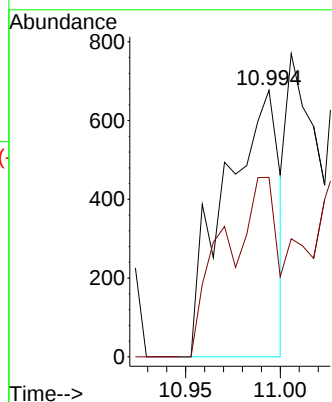
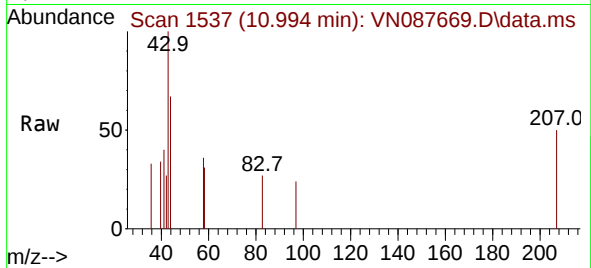




#59
2-Hexanone
Concen: 0.389 ug/l
RT: 10.994 min Scan# 11
Delta R.T. -0.183 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

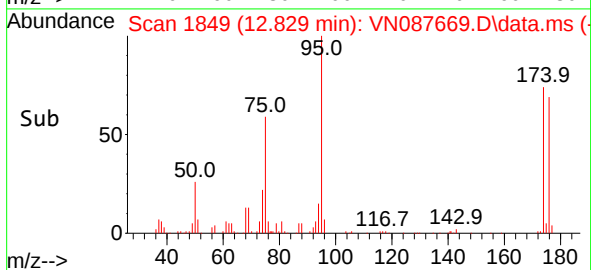
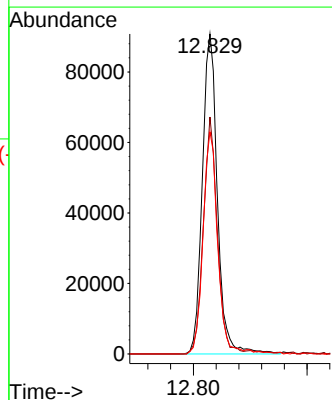
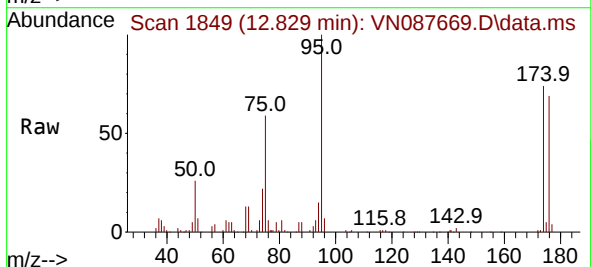
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

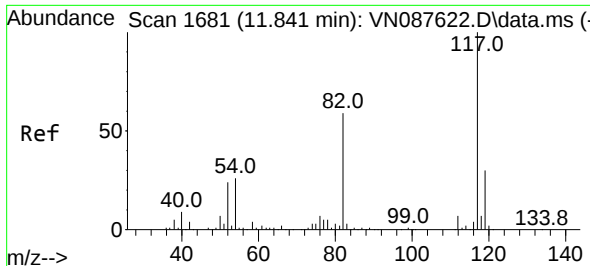
Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 95 Resp: 167062
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 68.1 0.0 132.6

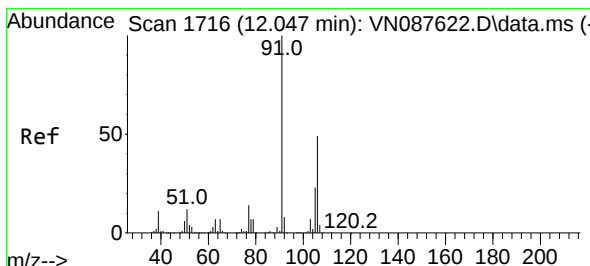
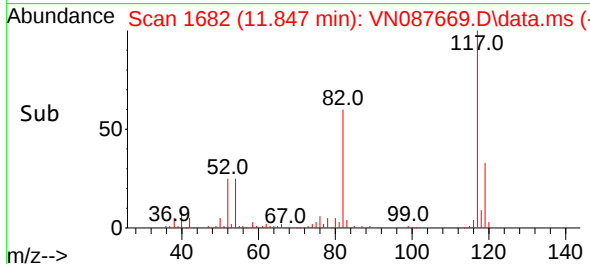
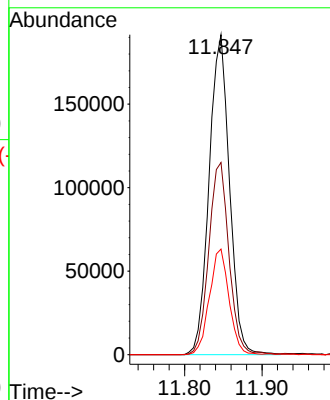
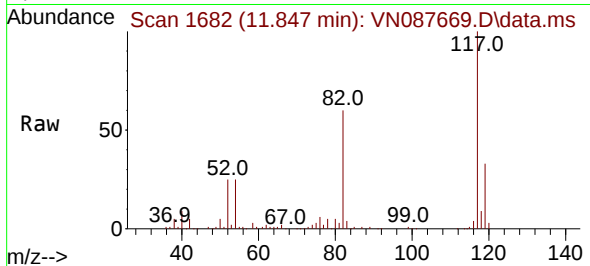




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

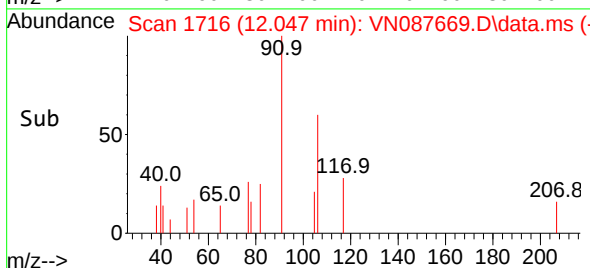
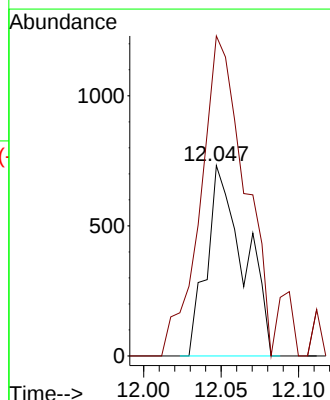
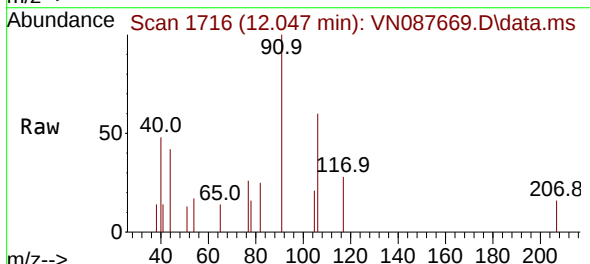
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

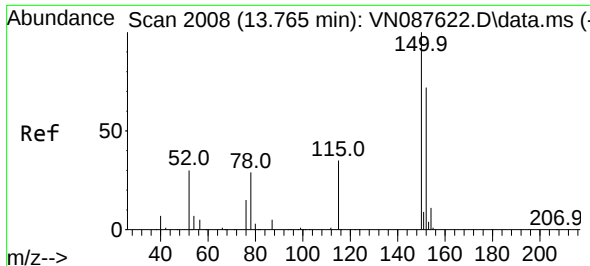
Tgt Ion:117 Resp: 350926
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 33.0 24.3 36.5



#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion:106 Resp: 1211
Ion Ratio Lower Upper
106 100
91 215.0 169.3 253.9

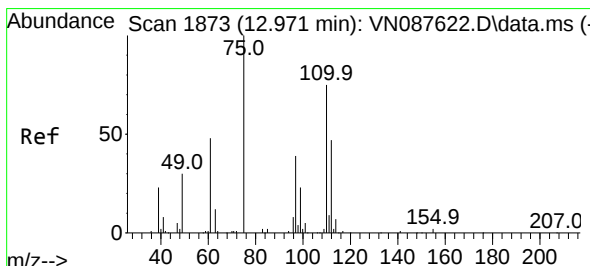
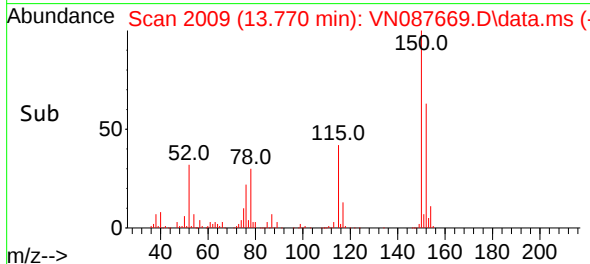
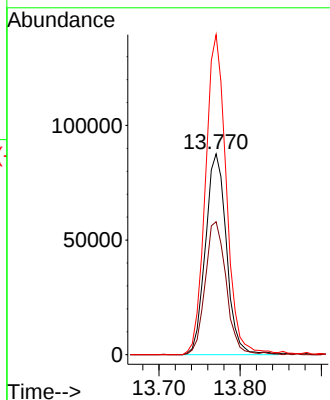
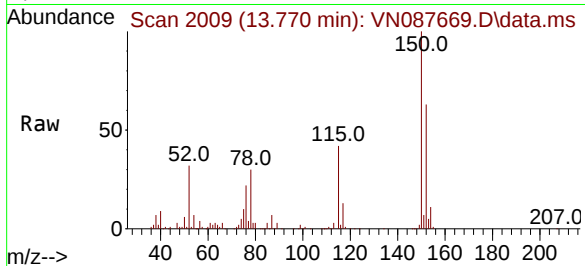




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087669.D
 Acq: 26 Aug 2025 14:48

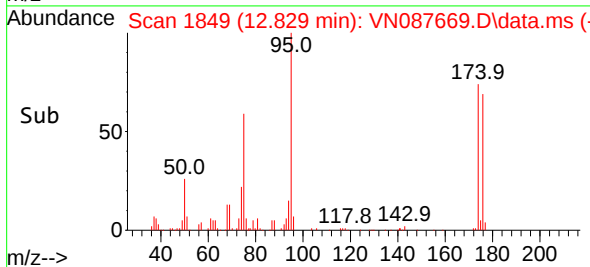
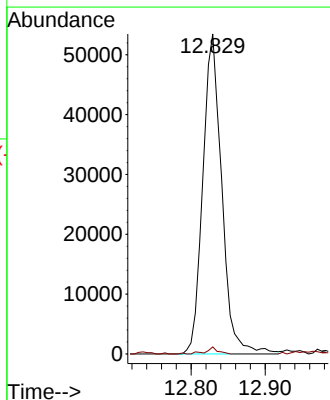
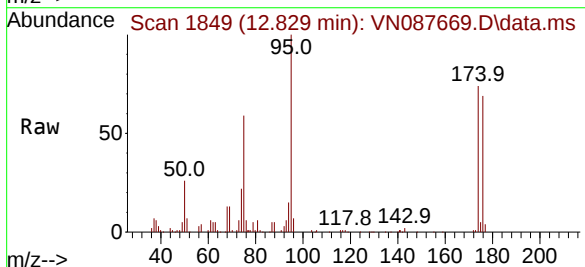
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826MBL01

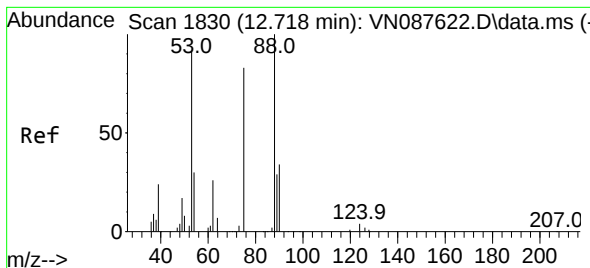
Tgt Ion:152 Resp: 157400
 Ion Ratio Lower Upper
 152 100
 115 65.8 32.3 96.8
 150 157.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.775 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087669.D
 Acq: 26 Aug 2025 14:48

Tgt Ion: 75 Resp: 95139
 Ion Ratio Lower Upper
 75 100
 77 1.3 89.1 267.4#

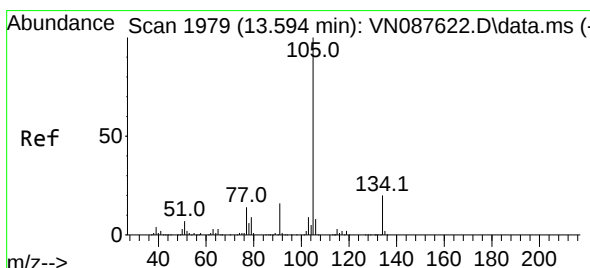
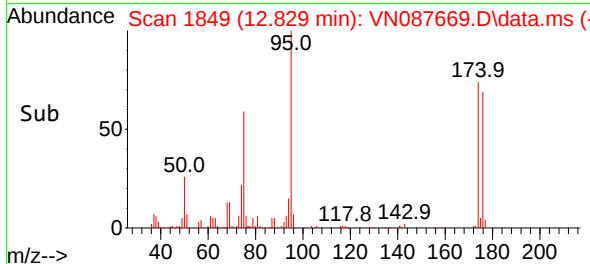
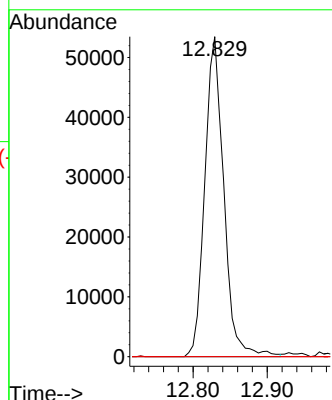
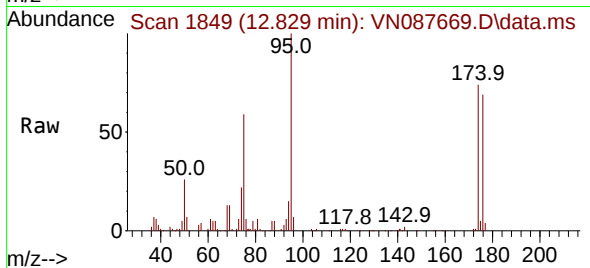




#81
trans-1,4-Dichloro-2-butene
Concen: 68.237 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

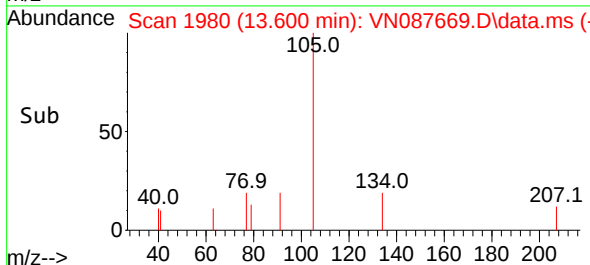
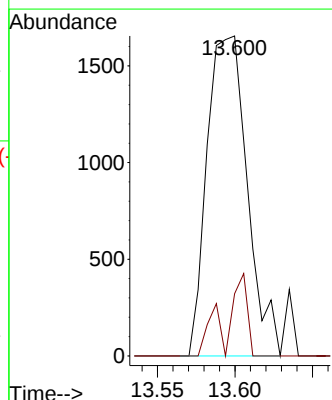
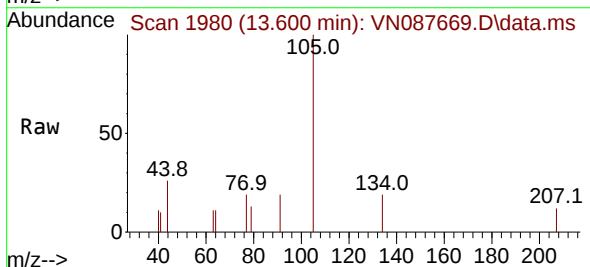
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

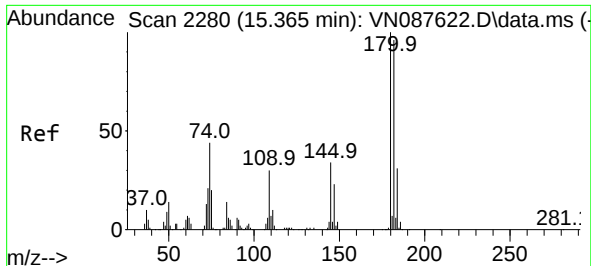
Tgt Ion: 75 Resp: 95139
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#



#85
sec-Butylbenzene
Concen: 0.224 ug/l
RT: 13.600 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion: 105 Resp: 2989
Ion Ratio Lower Upper
105 100
134 13.9 9.6 28.6

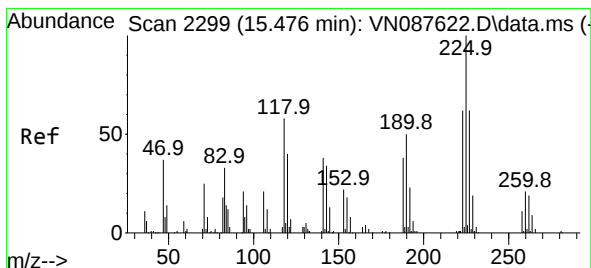
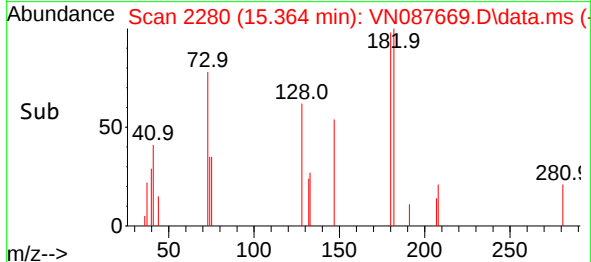
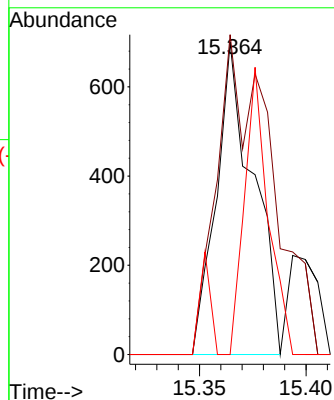
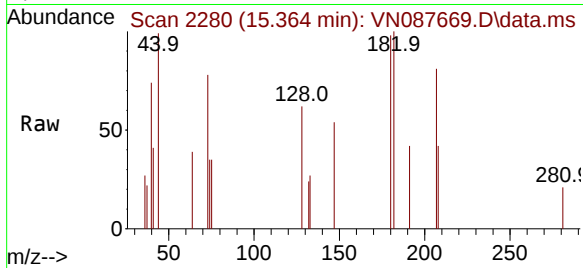




#93
1,2,4-Trichlorobenzene
Concen: 0.250 ug/l
RT: 15.364 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

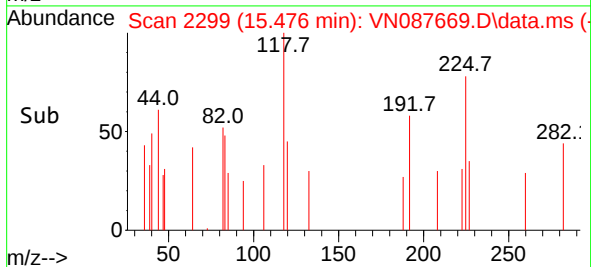
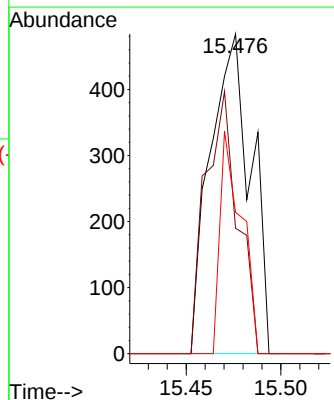
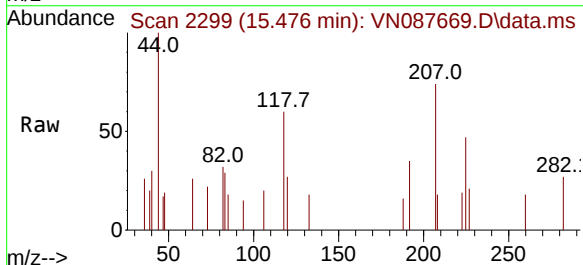
Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

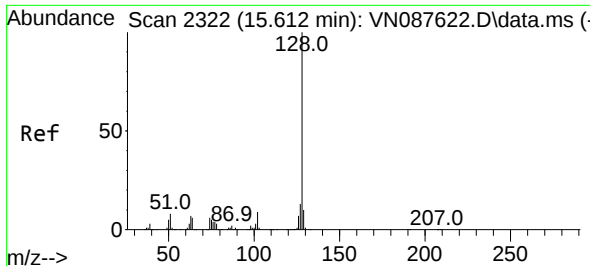
Tgt Ion:180 Resp: 841
Ion Ratio Lower Upper
180 100
182 152.7 47.6 142.9#
145 59.2 16.5 49.5#



#94
Hexachlorobutadiene
Concen: 0.602 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion:225 Resp: 722
Ion Ratio Lower Upper
225 100
223 64.5 32.0 96.2
227 36.7 32.1 96.5

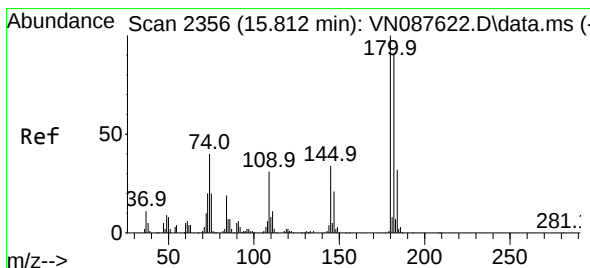
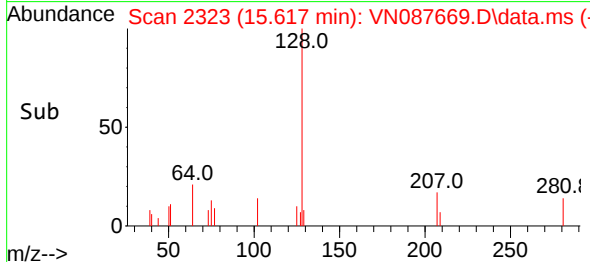
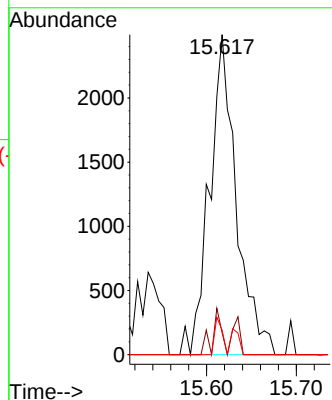
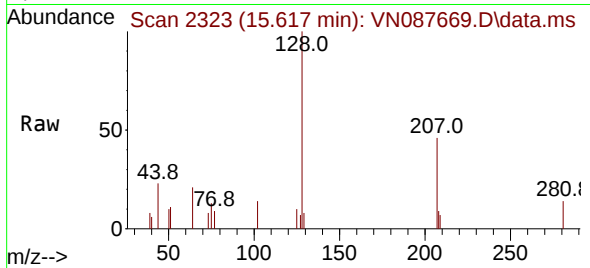




#95
Naphthalene
Concen: 0.434 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :
VN0826MBL01

Tgt Ion:128 Resp: 5177
Ion Ratio Lower Upper
128 100
127 4.9 10.6 15.8#
129 3.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.459 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN087669.D
Acq: 26 Aug 2025 14:48

Tgt Ion:180 Resp: 1511
Ion Ratio Lower Upper
180 100
182 71.7 46.8 140.3
145 6.9 17.3 52.0#

