

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087046.D
 Acq On : 17 Jun 2025 09:59
 Operator : JC\MD
 Sample : VN0617MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617MBL01

Quant Time: Jun 18 01:42:34 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	8.236	168	188993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159740	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	137518	54.346	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.700%	
35) Dibromofluoromethane	8.177	113	116516	51.540	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.080%	
50) Toluene-d8	10.565	98	465326	51.995	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.980%	
62) 4-Bromofluorobenzene	12.847	95	163523	49.180	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.360%	

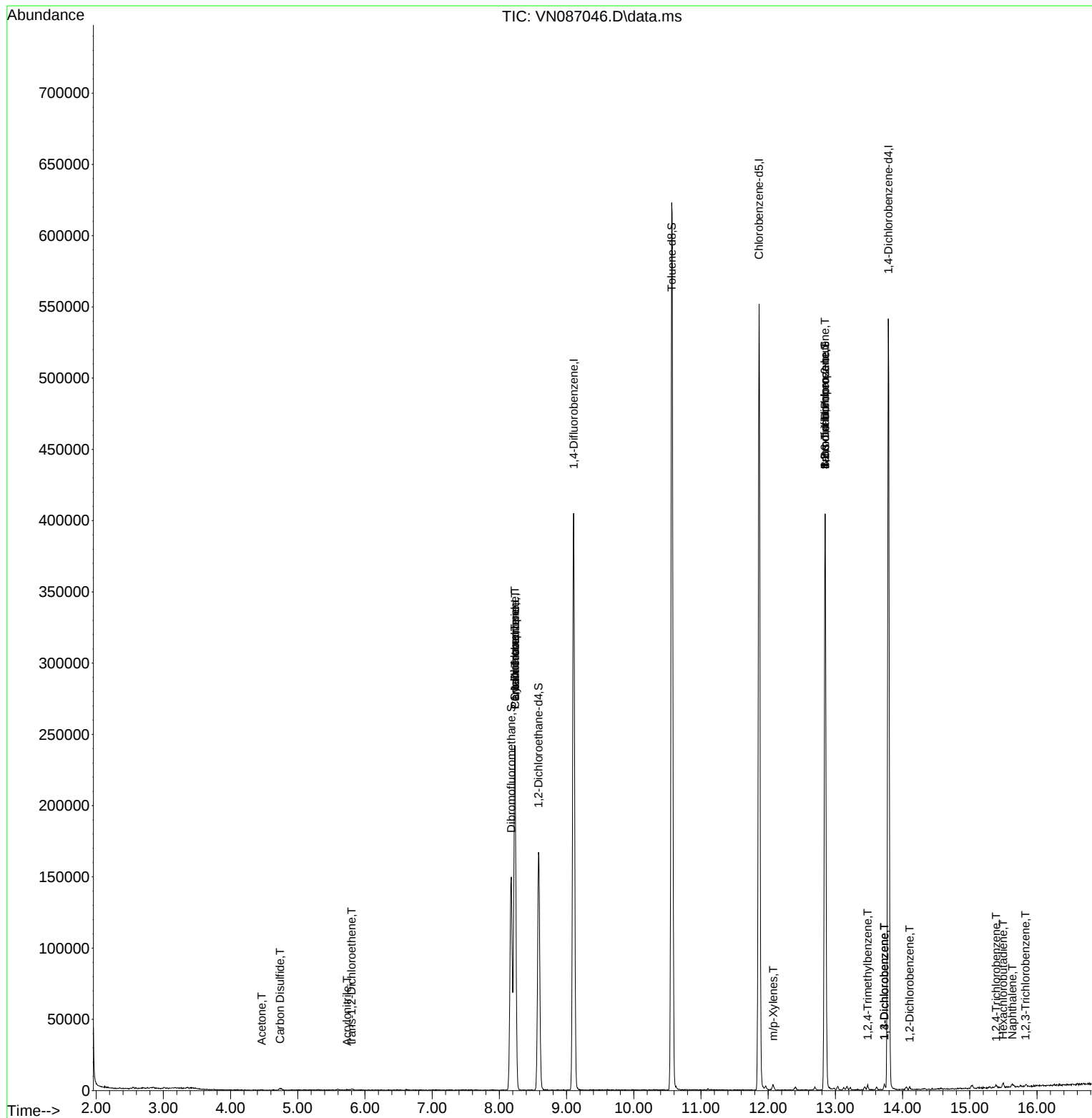
Target Compounds				Qvalue		
15) Acrylonitrile	5.736	53	330	0.206	ug/l #	50
16) Acetone	4.465	43	429	0.320	ug/l #	40
17) Carbon Disulfide	4.736	76	1459	0.251	ug/l #	75
21) trans-1,2-Dichloroethene	5.800	96	596	0.255	ug/l #	48
31) Cyclohexane	8.230	56	3409	0.831	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14655	4.350	ug/l #	49
38) Carbon Tetrachloride	8.236	117	18487	5.590	ug/l #	16
68) m/p-Xylenes	12.076	106	1468	0.295	ug/l	88
71) Bromoform	12.847	173	794	0.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74839	19.710	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74839	45.371	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	2035	0.211	ug/l	89
87) 1,3-Dichlorobenzene	13.729	146	1254	0.239	ug/l	90
88) 1,4-Dichlorobenzene	13.729	146	1254	0.234	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	1056	0.209	ug/l	76
93) 1,2,4-Trichlorobenzene	15.394	180	858	0.266	ug/l	85
94) Hexachlorobutadiene	15.494	225	667	0.556	ug/l	76
95) Naphthalene	15.635	128	3267	0.272	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.829	180	880	0.275	ug/l #	70

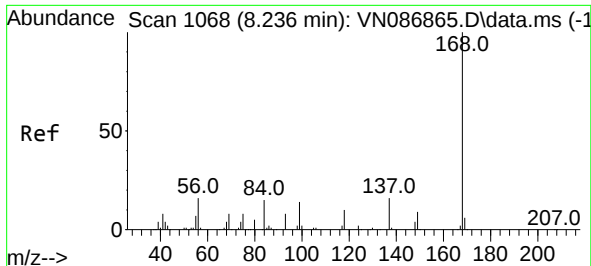
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087046.D
Acq On : 17 Jun 2025 09:59
Operator : JC\MD
Sample : VN0617MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

Quant Time: Jun 18 01:42:34 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

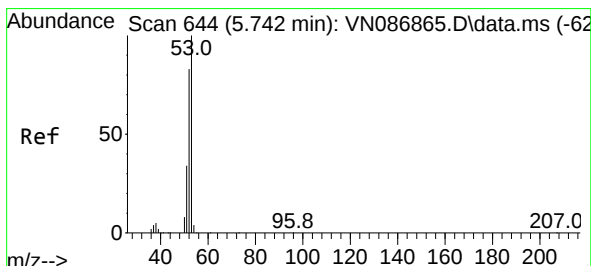
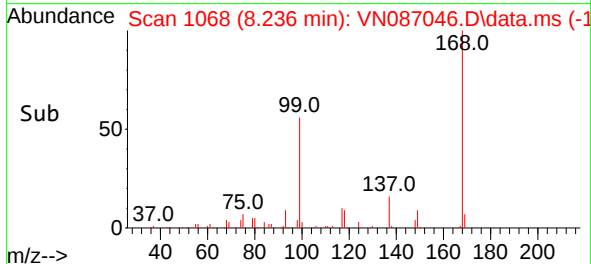
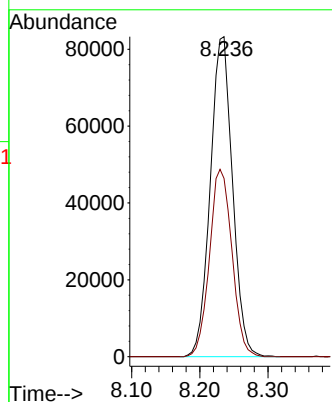
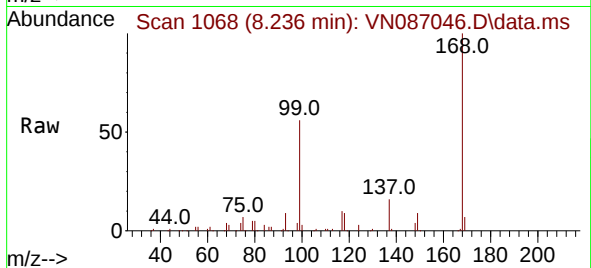




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

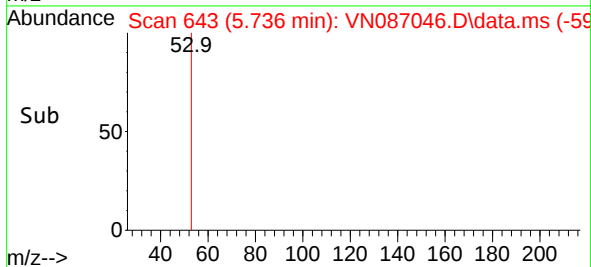
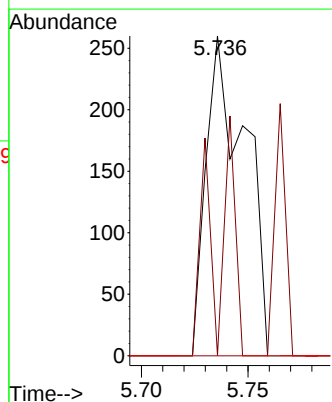
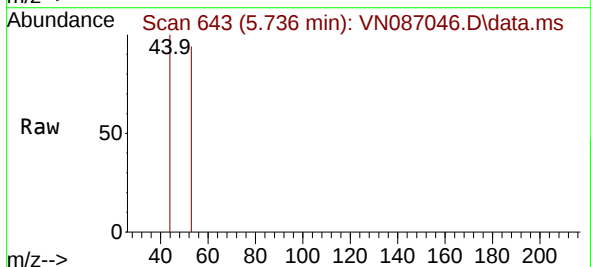
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

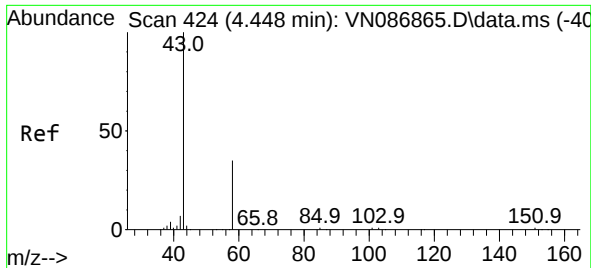
Tgt Ion:168 Resp: 188993
Ion Ratio Lower Upper
168 100
99 55.7 49.1 73.7



#15
Acrylonitrile
Concen: 0.206 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 53 Resp: 330
Ion Ratio Lower Upper
53 100
52 39.7 65.0 97.6#
51 0.0 27.2 40.8#

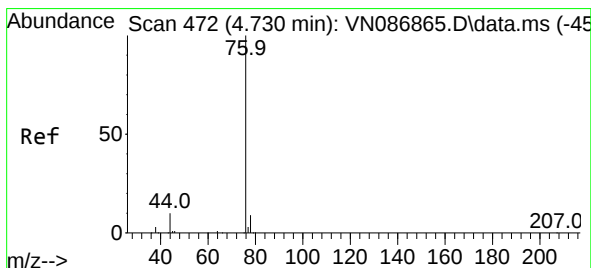
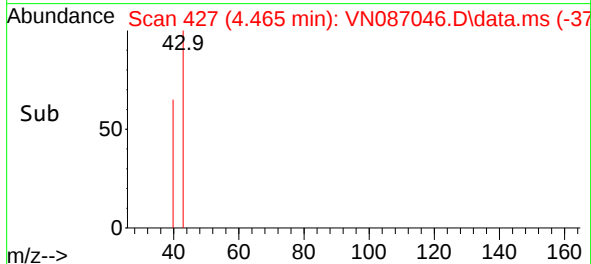
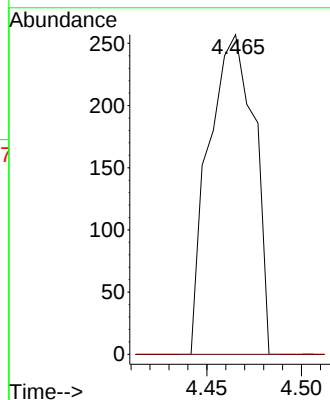
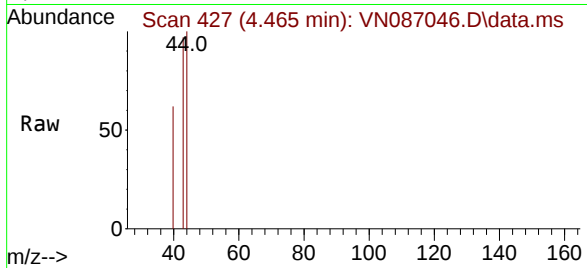




#16
Acetone
Concen: 0.320 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

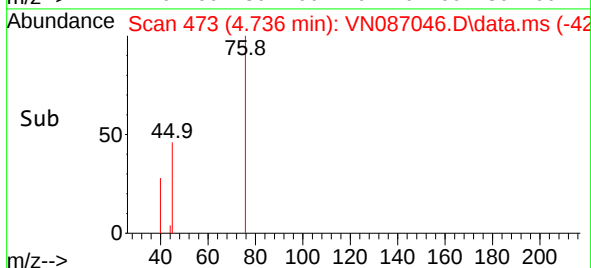
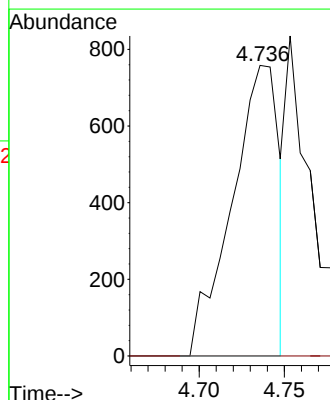
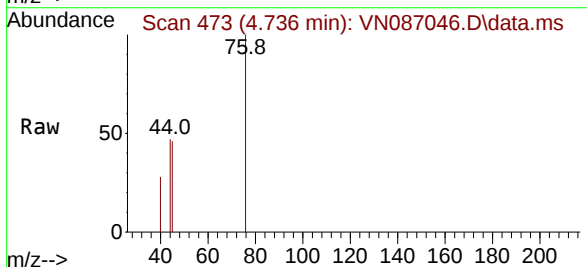
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

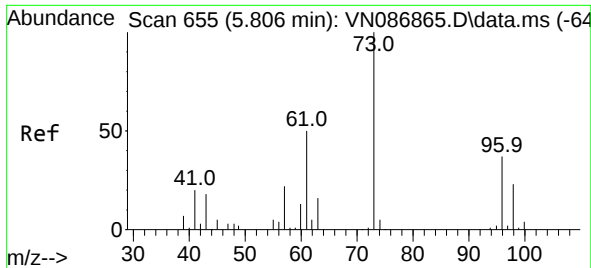
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 76 Resp: 1459
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

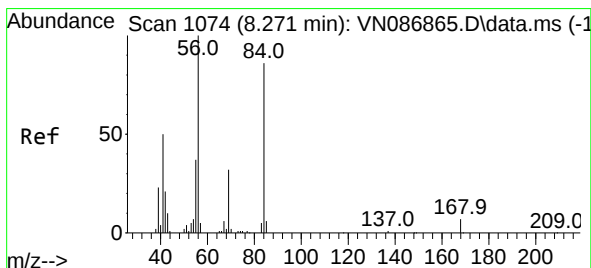
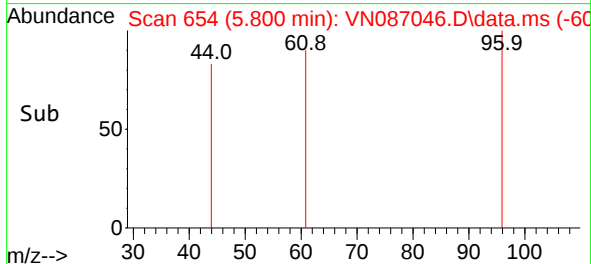
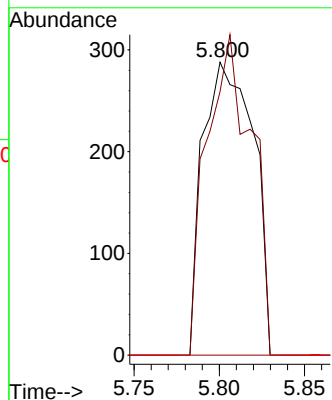
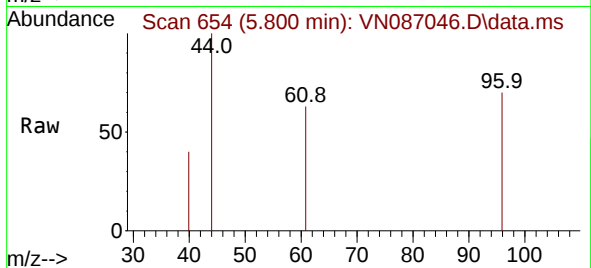




#21
trans-1,2-Dichloroethene
Concen: 0.255 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

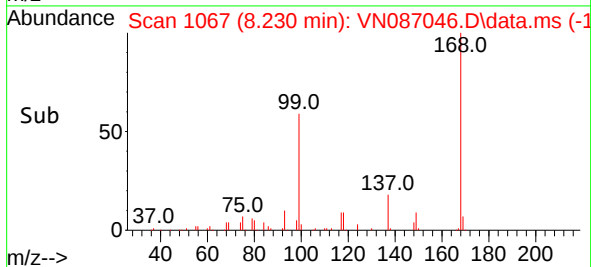
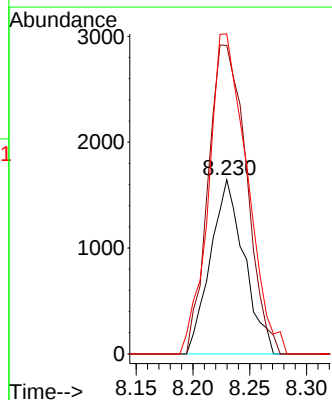
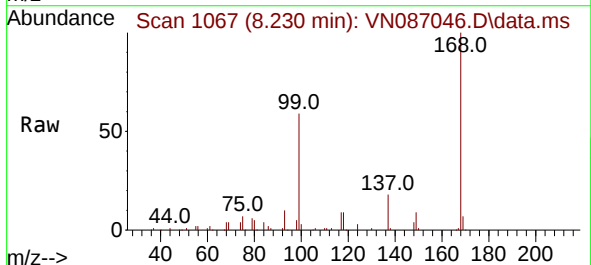
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

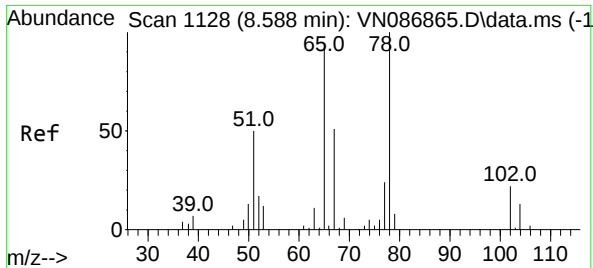
Tgt Ion: 96 Resp: 596
Ion Ratio Lower Upper
96 100
61 89.9 109.2 163.8#
98 0.0 49.8 74.8#



#31
Cyclohexane
Concen: 0.831 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 56 Resp: 3409
Ion Ratio Lower Upper
56 100
69 177.1 25.4 38.0#
84 183.7 68.8 103.2#

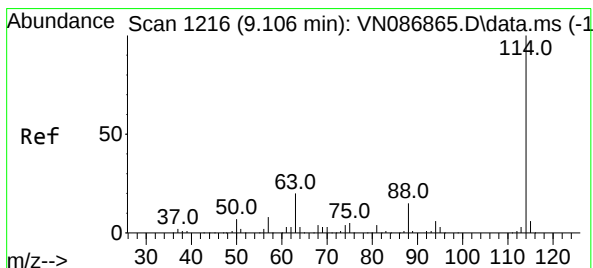
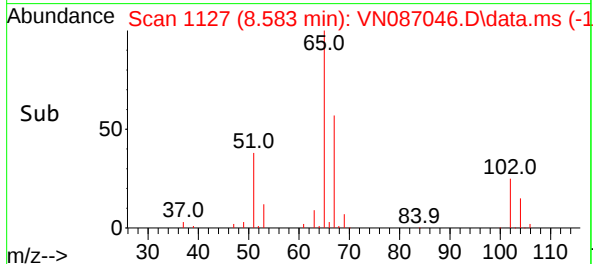
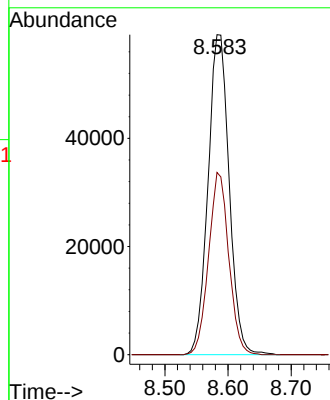
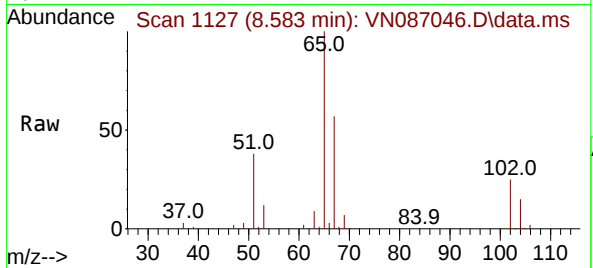




#33
 1,2-Dichloroethane-d4
 Concen: 54.346 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VN087046.D
 Acq: 17 Jun 2025 09:59

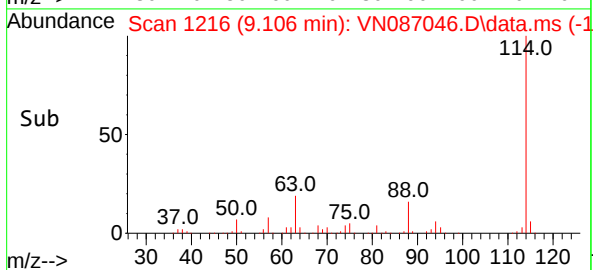
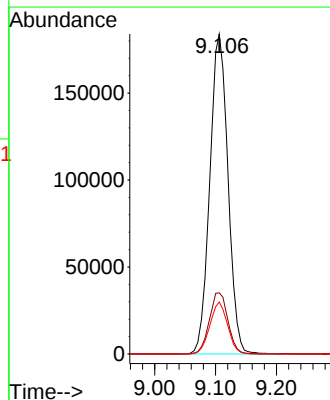
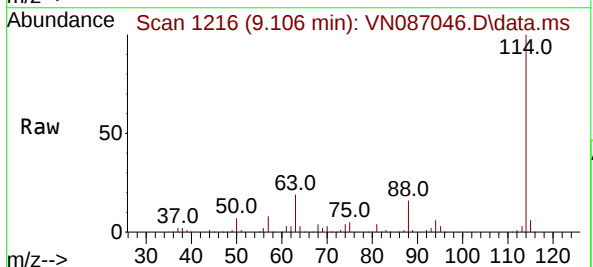
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617MBL01

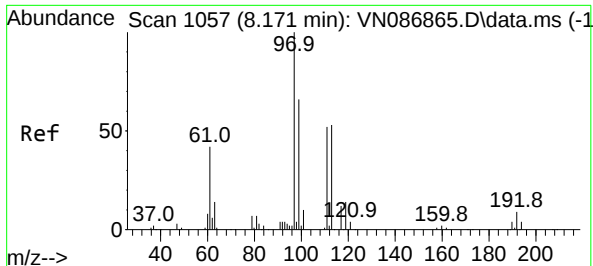
Tgt Ion: 65 Resp: 137518
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN087046.D
 Acq: 17 Jun 2025 09:59

Tgt Ion: 114 Resp: 381470
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 16.2 0.0 30.2

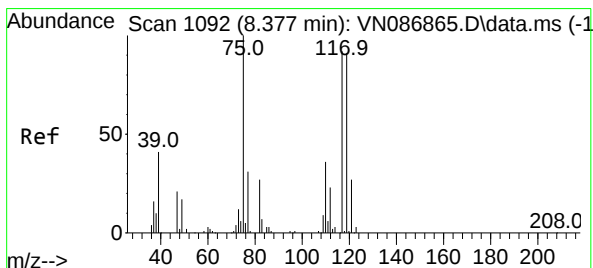
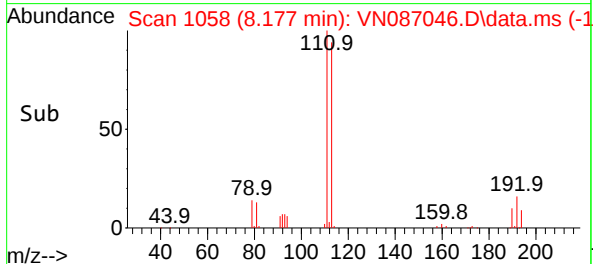
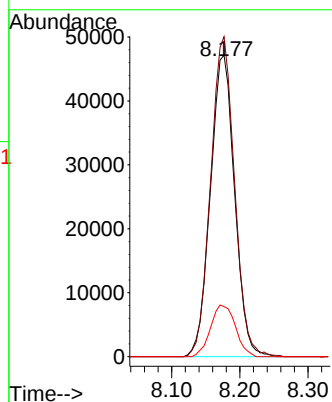
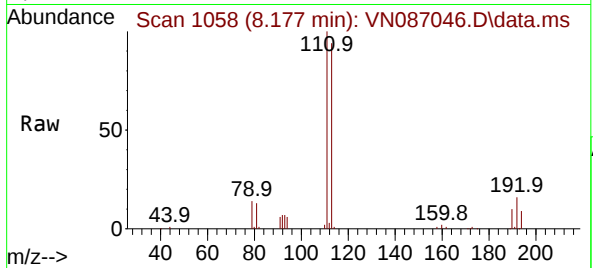




#35
Dibromofluoromethane
Concen: 51.540 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

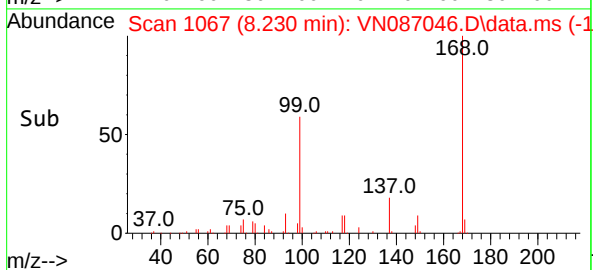
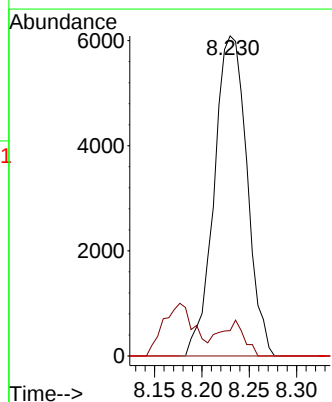
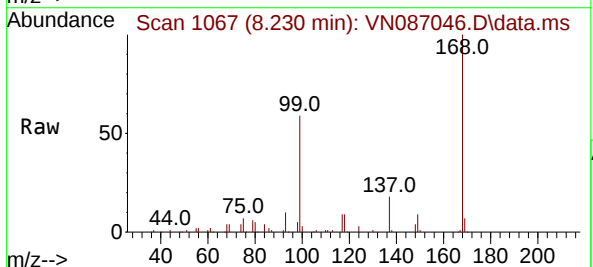
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

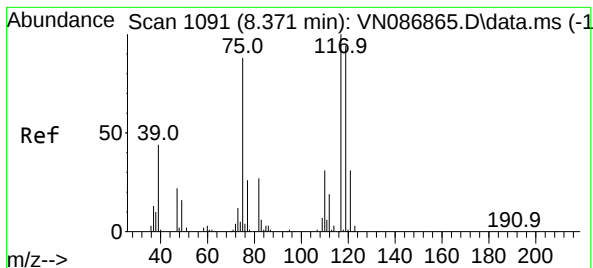
Tgt Ion:113 Resp: 116516
Ion Ratio Lower Upper
113 100
111 104.8 84.2 126.2
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.350 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 75 Resp: 14655
Ion Ratio Lower Upper
75 100
110 8.2 17.6 52.9#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.590 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087046.D

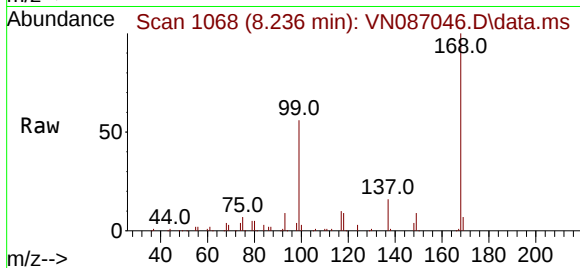
Acq: 17 Jun 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN0617MBL01



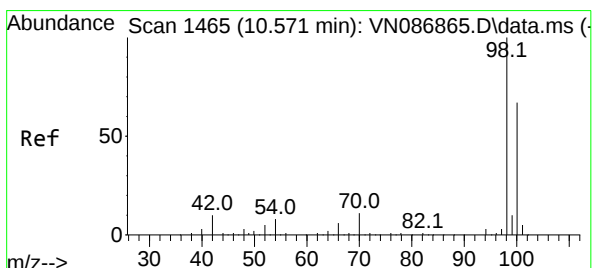
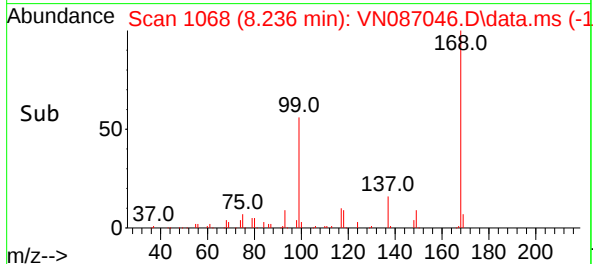
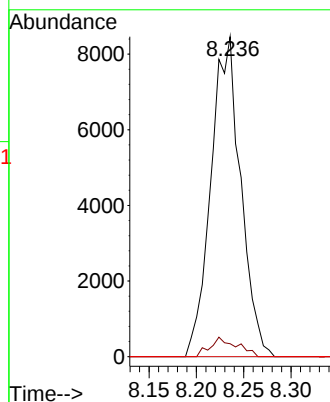
Tgt Ion:117 Resp: 18487

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 51.995 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087046.D

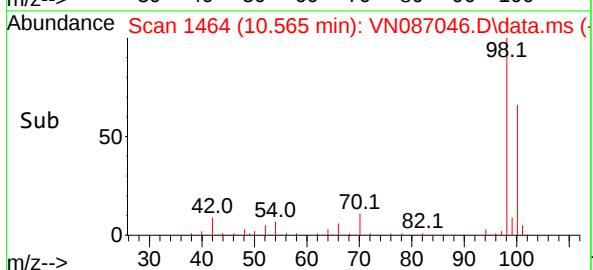
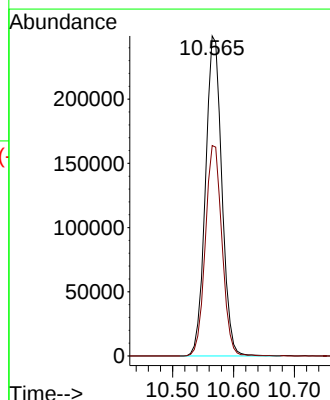
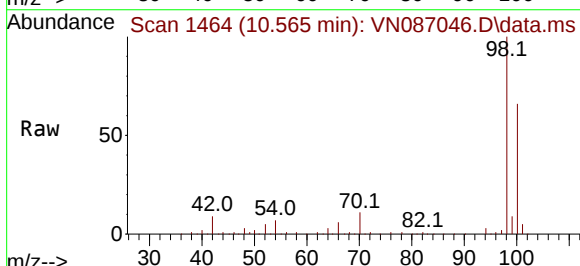
Acq: 17 Jun 2025 09:59

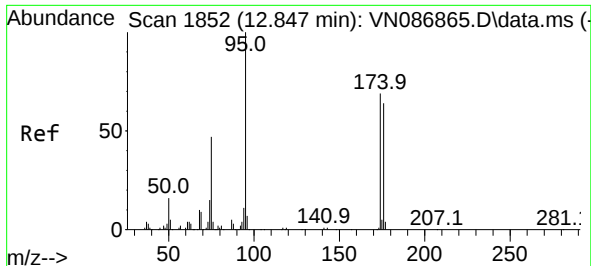
Tgt Ion: 98 Resp: 465326

Ion Ratio Lower Upper

98 100

100 66.9 53.4 80.0

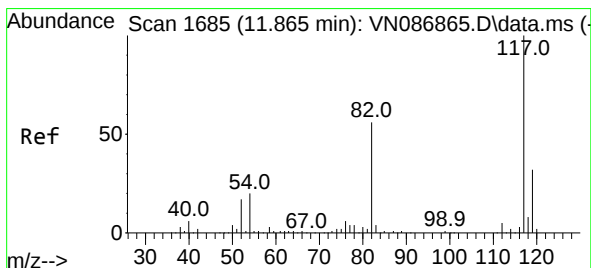
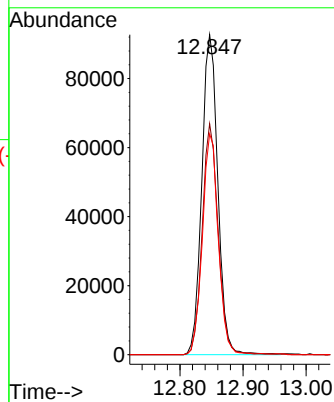
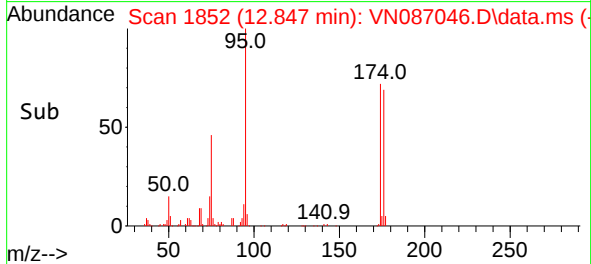
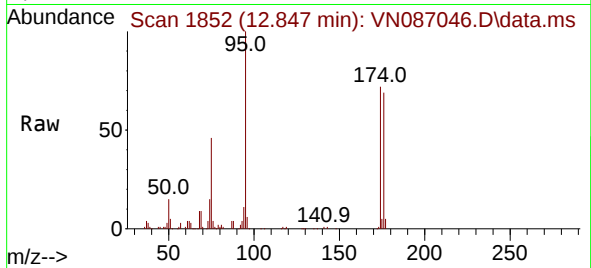




#62
4-Bromofluorobenzene
Concen: 49.180 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

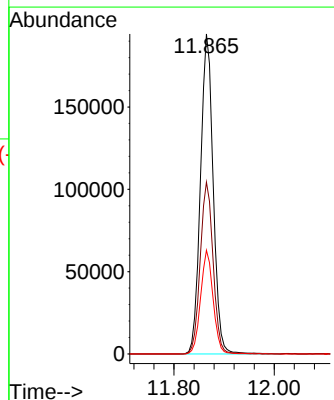
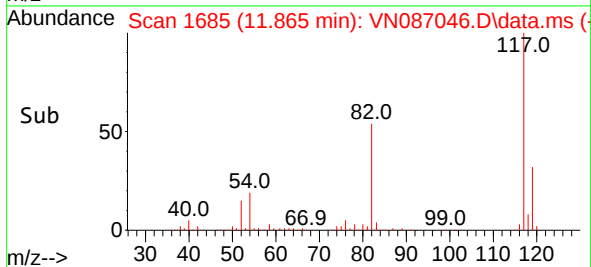
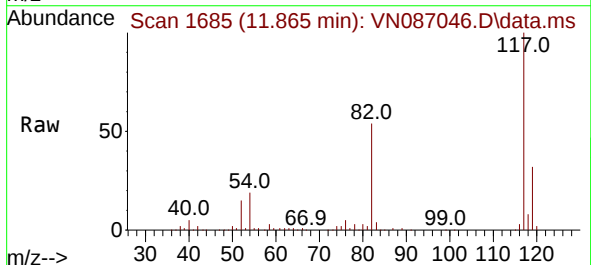
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

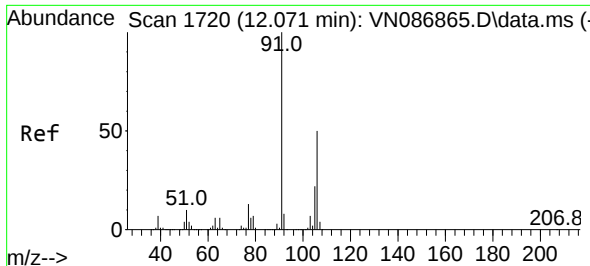
Tgt Ion: 95 Resp: 163523
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.8
176 68.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 117 Resp: 342758
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.4 25.5 38.3

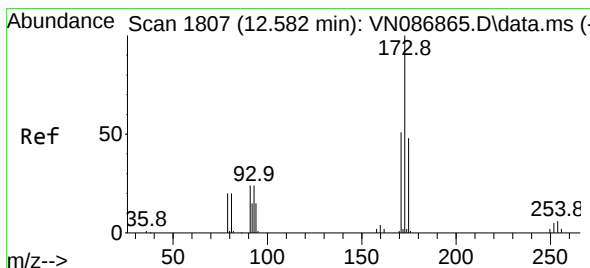
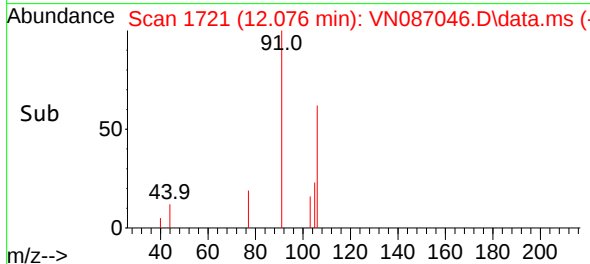
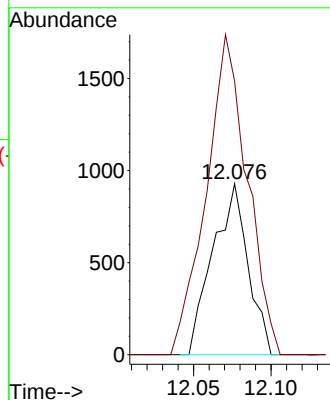
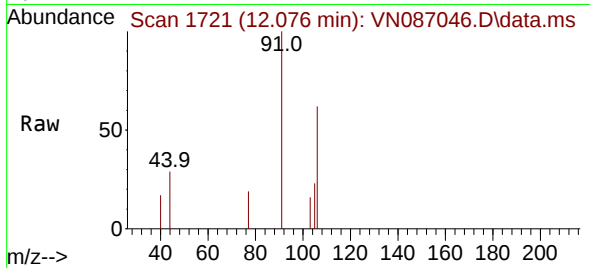




#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

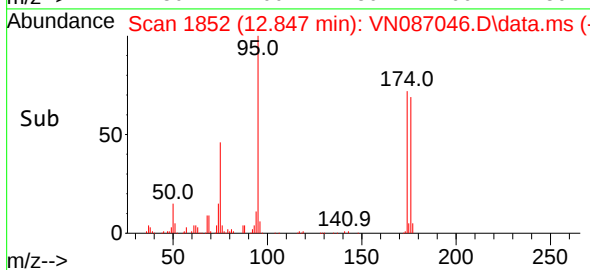
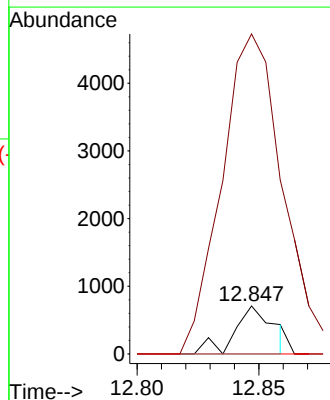
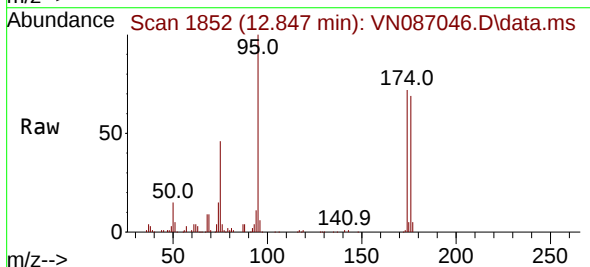
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

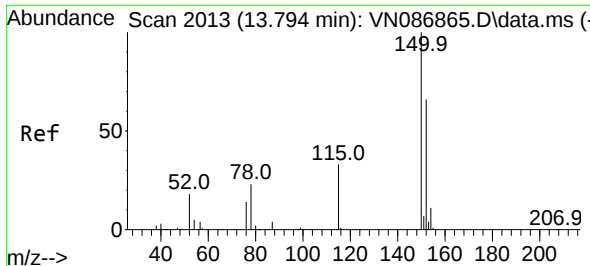
Tgt Ion:106 Resp: 1468
Ion Ratio Lower Upper
106 100
91 217.6 159.4 239.0



#71
Bromoform
Concen: 0.441 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion:173 Resp: 794
Ion Ratio Lower Upper
173 100
175 912.7 24.1 72.4#
254 0.0 0.0 0.0

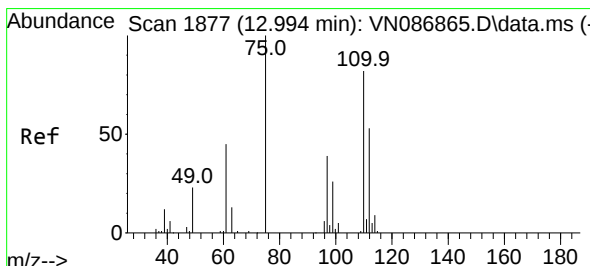
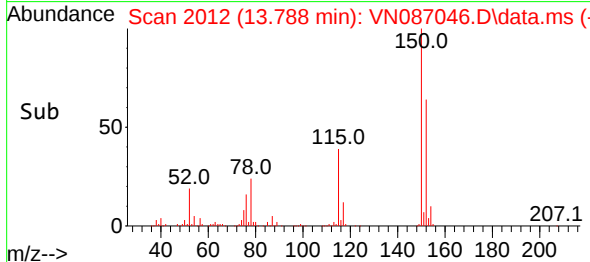
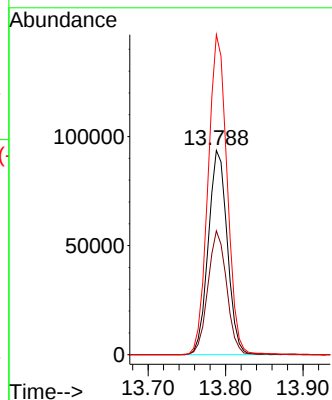
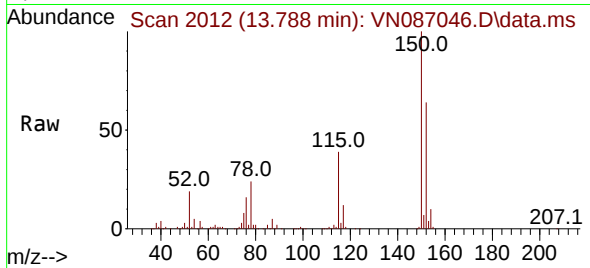




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087046.D
 Acq: 17 Jun 2025 09:59

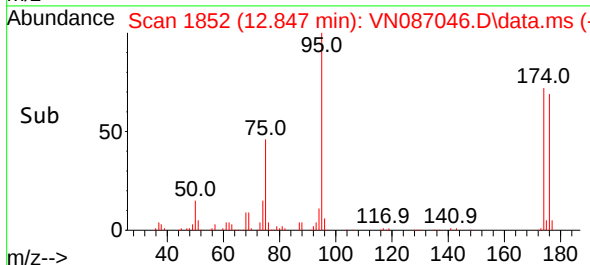
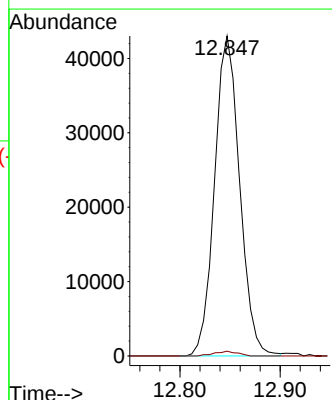
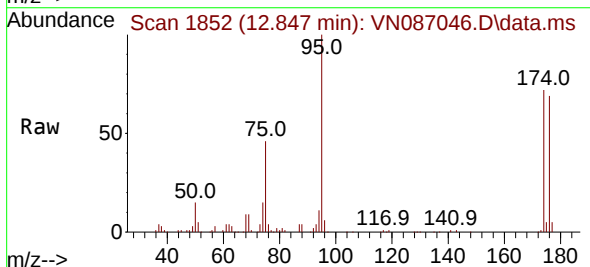
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617MBL01

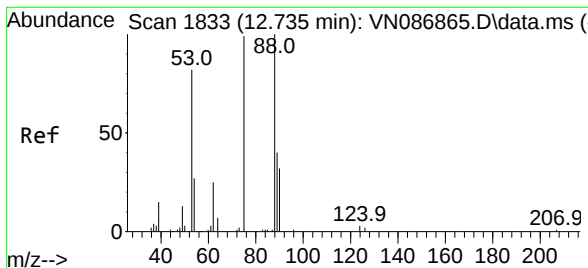
Tgt Ion:152 Resp: 159740
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.1 90.5
 150 157.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.710 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087046.D
 Acq: 17 Jun 2025 09:59

Tgt Ion: 75 Resp: 74839
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#

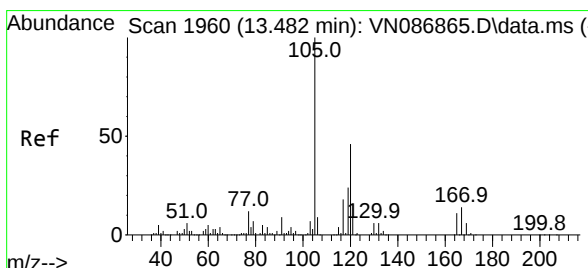
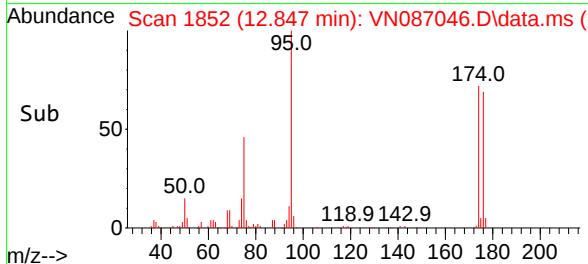
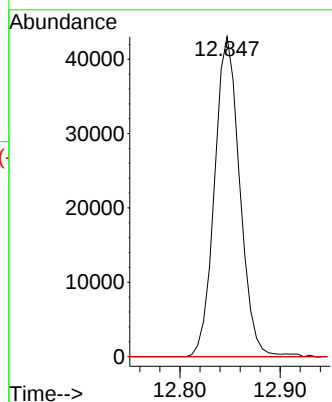
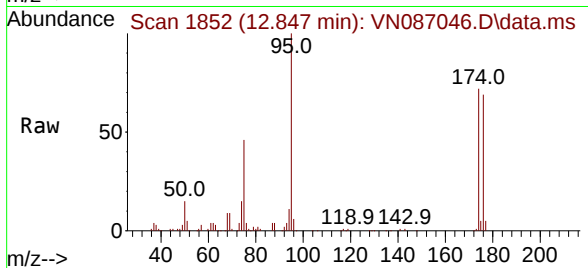




#81
trans-1,4-Dichloro-2-butene
Concen: 45.371 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

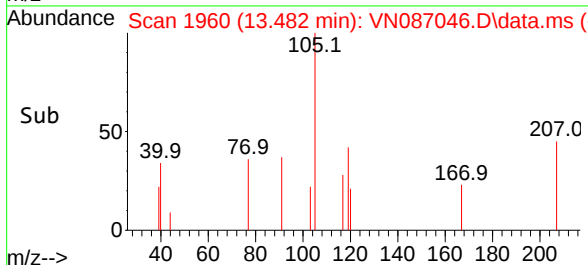
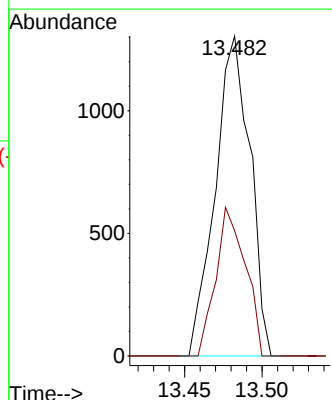
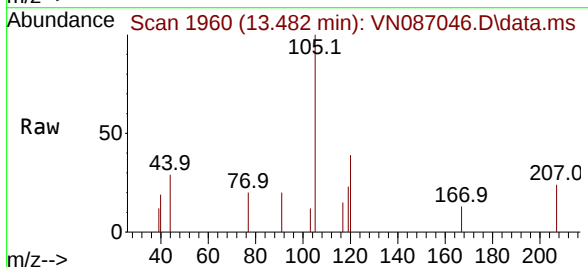
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

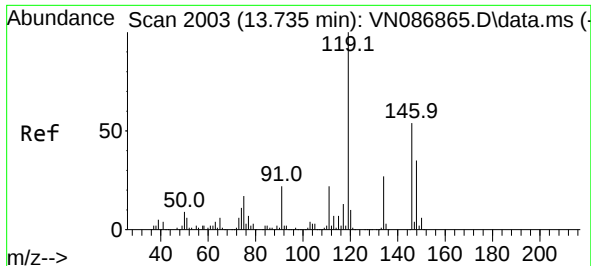
Tgt Ion: 75 Resp: 74839
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion: 105 Resp: 2035
Ion Ratio Lower Upper
105 100
120 39.4 23.2 69.6





#87

1,3-Dichlorobenzene

Concen: 0.239 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN087046.D

Acq: 17 Jun 2025 09:59

Instrument :

MSVOA_N

ClientSampleId :

VN0617MBL01

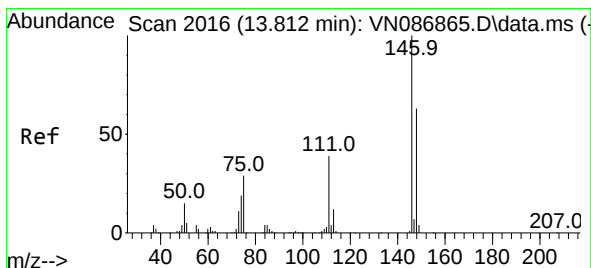
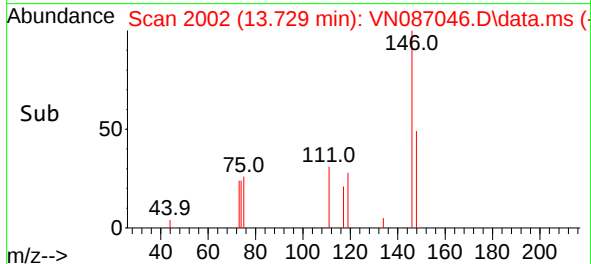
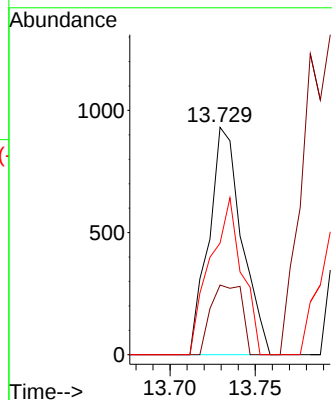
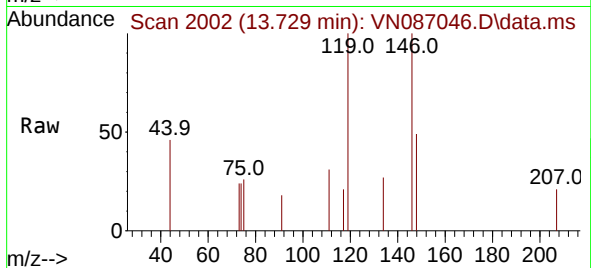
Tgt Ion:146 Resp: 1254

Ion Ratio Lower Upper

146 100

111 28.9 20.9 62.8

148 66.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN087046.D

Acq: 17 Jun 2025 09:59

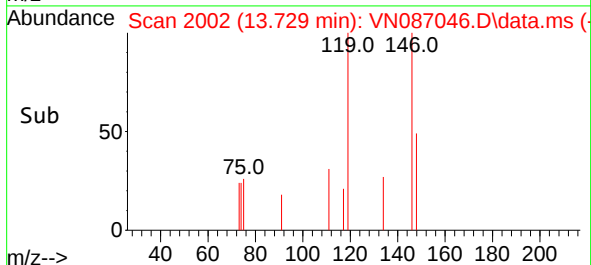
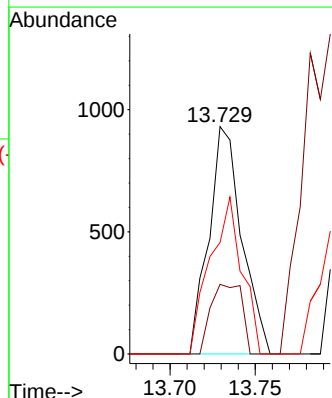
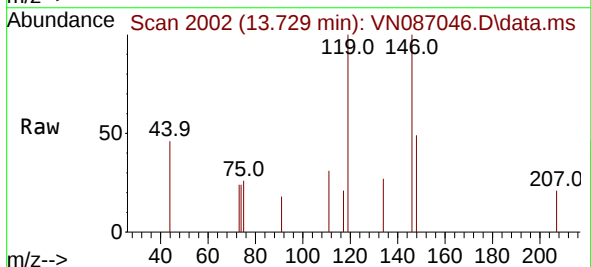
Tgt Ion:146 Resp: 1254

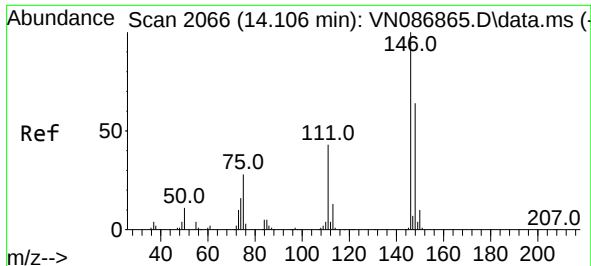
Ion Ratio Lower Upper

146 100

111 28.9 19.9 59.7

148 66.6 31.8 95.4

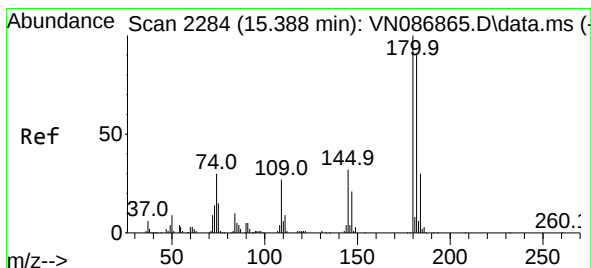
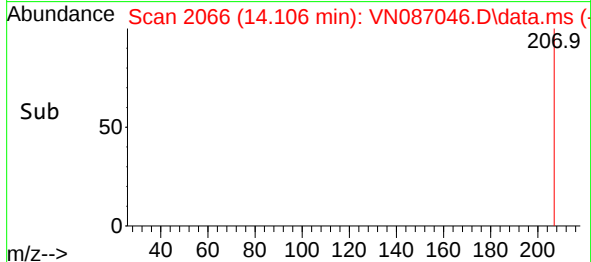
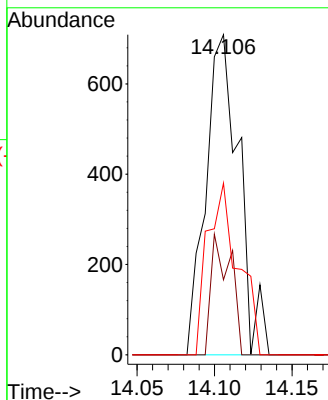
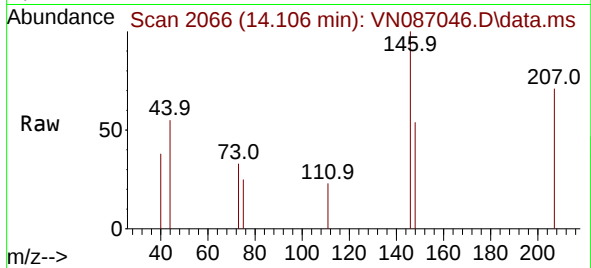




#91
1,2-Dichlorobenzene
Concen: 0.209 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

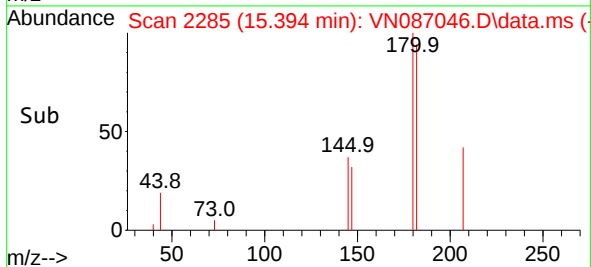
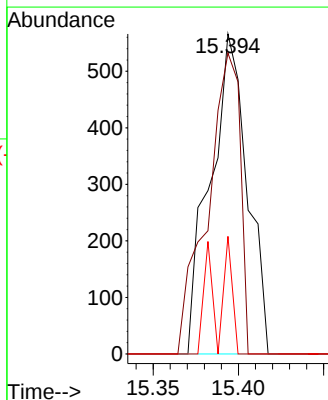
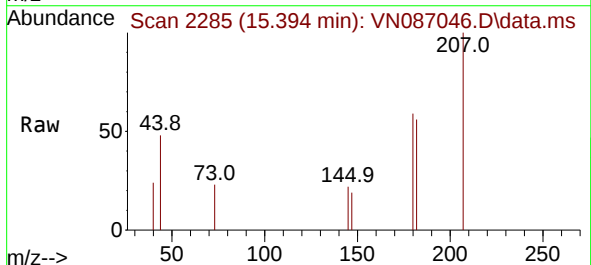
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

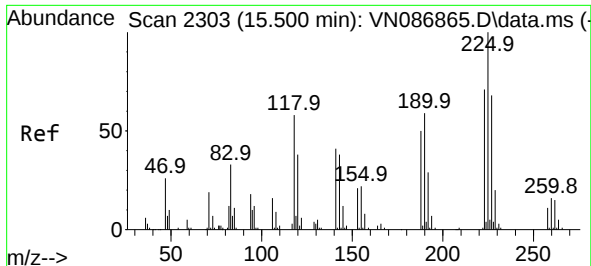
Tgt Ion:146	Resp:	1056
Ion	Ratio	Lower Upper
146	100	
111	22.2	21.6 64.6
148	49.7	31.7 95.1



#93
1,2,4-Trichlorobenzene
Concen: 0.266 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

Tgt Ion:180	Resp:	858
Ion	Ratio	Lower Upper
180	100	
182	82.9	46.9 140.7
145	16.8	16.0 47.9

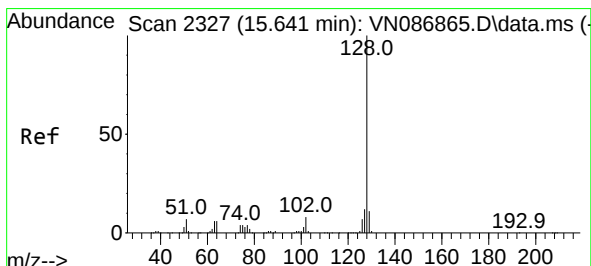
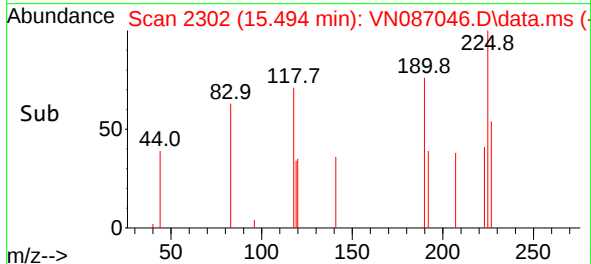
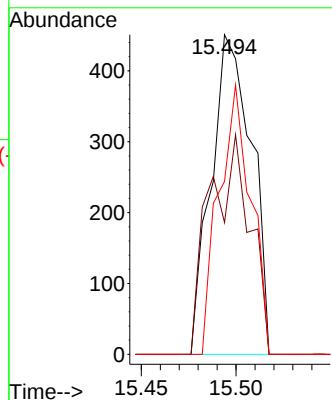
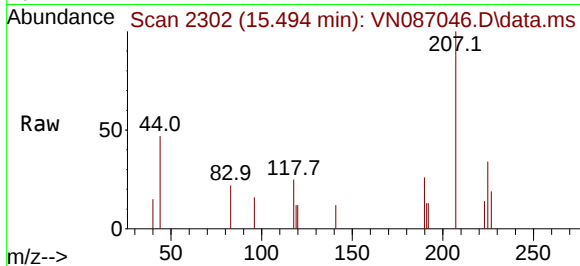




#94
Hexachlorobutadiene
Concen: 0.556 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

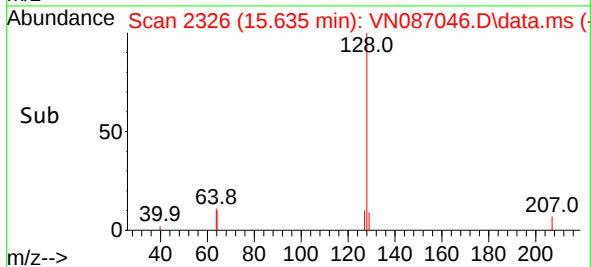
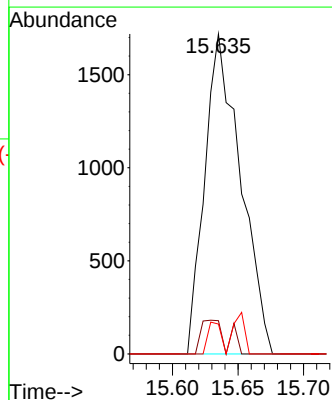
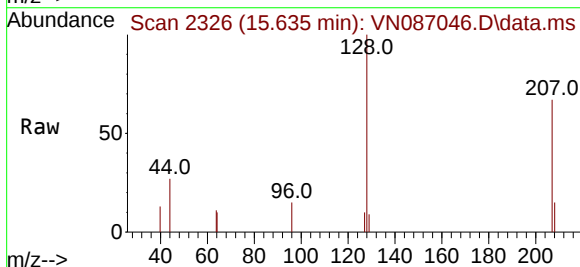
Instrument :
MSVOA_N
ClientSampleId :
VN0617MBL01

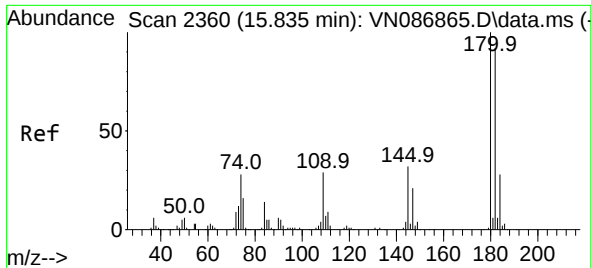
Tgt Ion:	225	Resp:	667
Ion	Ratio	Lower	Upper
225	100		
223	34.2	33.5	100.4
227	66.7	31.1	93.5



#95
Naphthalene
Concen: 0.272 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN087046.D
Acq: 17 Jun 2025 09:59

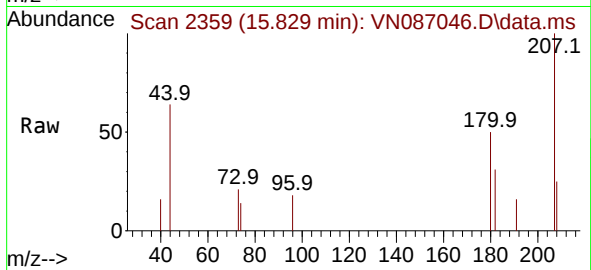
Tgt Ion:	128	Resp:	3267
Ion	Ratio	Lower	Upper
128	100		
127	7.6	10.2	15.2#
129	3.6	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.275 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087046.D
 Acq: 17 Jun 2025 09:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617MBL01



Tgt Ion:180 Resp: 880
 Ion Ratio Lower Upper
 180 100
 182 74.3 47.0 141.0
 145 0.0 16.6 49.8#

