

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086836.D
 Acq On : 03 Jun 2025 12:10
 Operator : JC\MD
 Sample : VN0603WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBL01

Quant Time: Jun 04 01:56:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

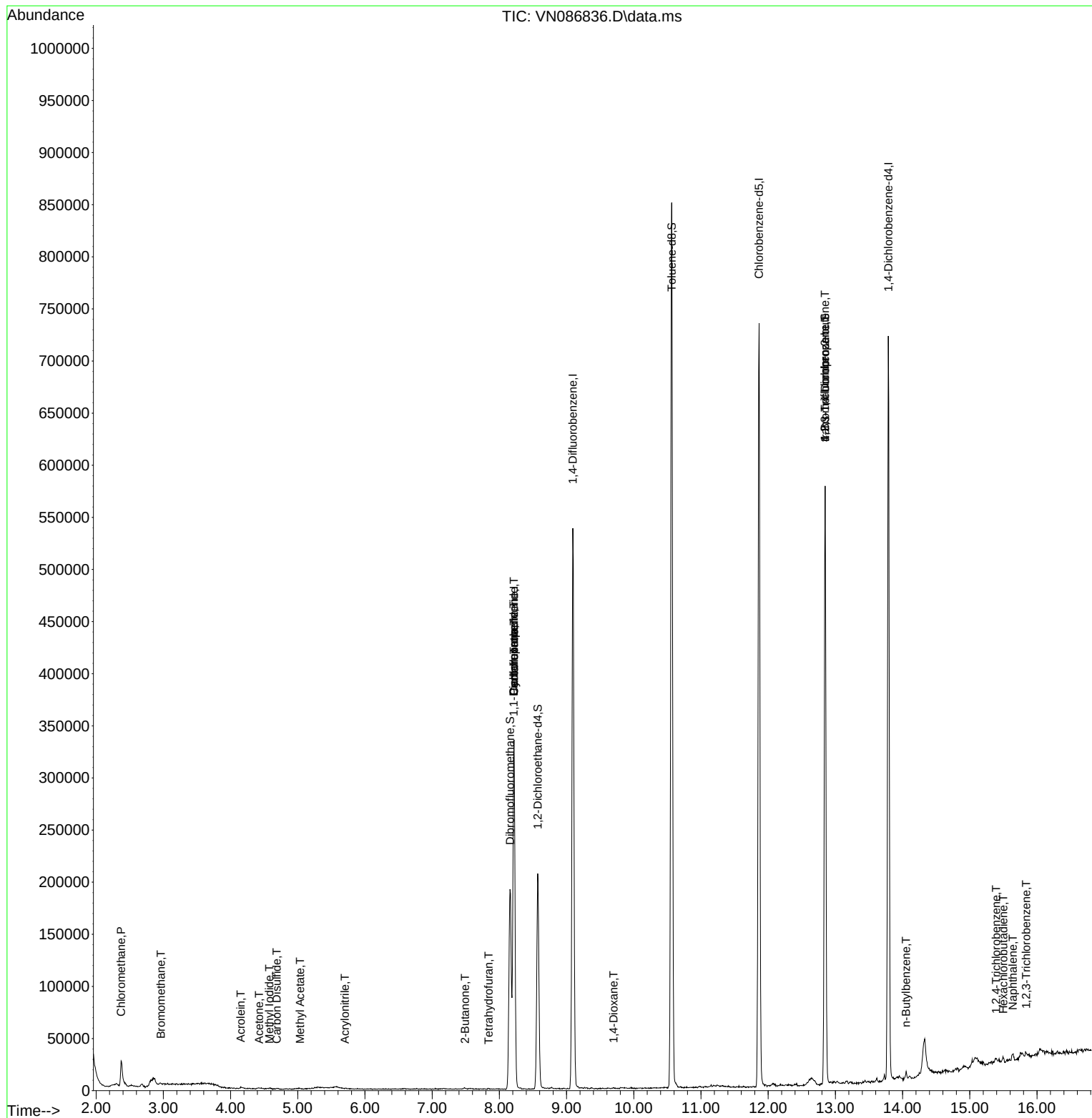
Internal Standards						
1) Pentafluorobenzene	8.218	168	257056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	493879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165463	46.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.160%
35) Dibromofluoromethane	8.159	113	150868	51.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	10.565	98	625163	51.290	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.847	95	227449	52.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	40758	9.707	ug/l	100
5) Bromomethane	2.965	94	957	0.440	ug/l	90
10) Methyl Iodide	4.577	142	1976	0.589	ug/l #	84
13) Acrolein	4.153	56	684	0.989	ug/l #	1
15) Acrylonitrile	5.700	53	468	0.292	ug/l #	18
16) Acetone	4.424	43	2518	1.895	ug/l	95
17) Carbon Disulfide	4.689	76	1615	0.203	ug/l #	75
18) Methyl Acetate	5.036	43	1489	0.400	ug/l #	49
25) 2-Butanone	7.488	43	1380	0.672	ug/l #	46
29) Tetrahydrofuran	7.841	42	369	0.275	ug/l #	61
31) Cyclohexane	8.218	56	5129	0.962	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	19610	4.520	ug/l #	48
38) Carbon Tetrachloride	8.218	117	25190	5.893	ug/l #	16
49) 1,4-Dioxane	9.700	88	666	9.239	ug/l	92
76) 1,2,3-Trichloropropane	12.847	75	105361	23.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	105361	58.120	ug/l #	15
89) n-Butylbenzene	14.053	91	4288	0.431	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1365	0.500	ug/l	98
94) Hexachlorobutadiene	15.500	225	916	0.808	ug/l	97
95) Naphthalene	15.641	128	6830	0.720	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	1737	0.649	ug/l	96

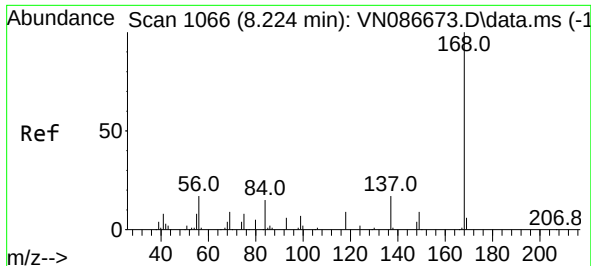
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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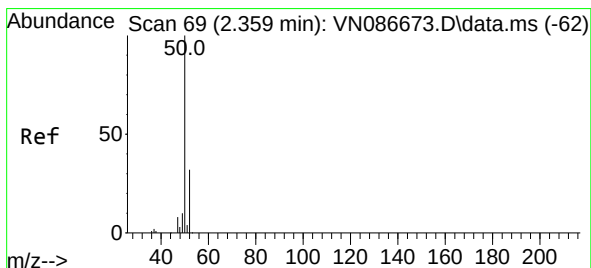
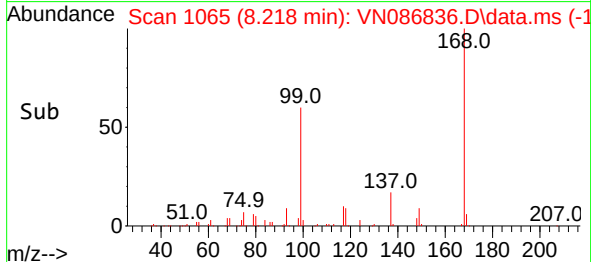
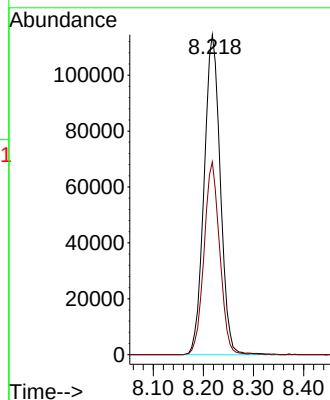
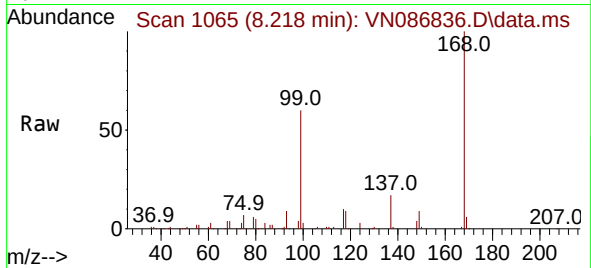




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

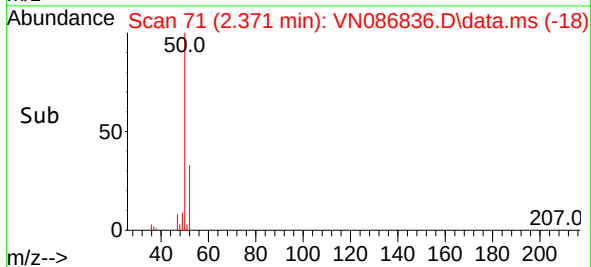
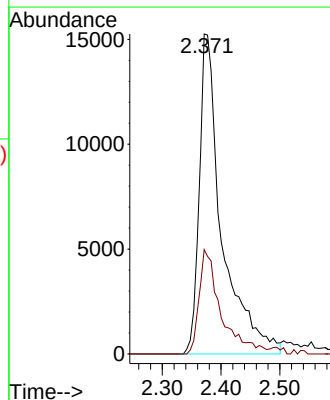
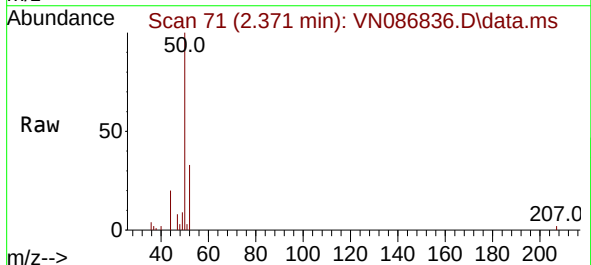
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

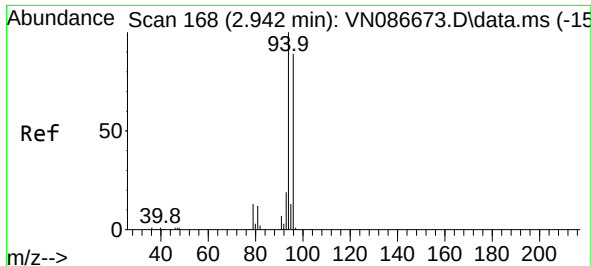
Tgt Ion:168 Resp: 257056
Ion Ratio Lower Upper
168 100
99 60.3 47.0 70.4



#3
Chloromethane
Concen: 9.707 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 50 Resp: 40758
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

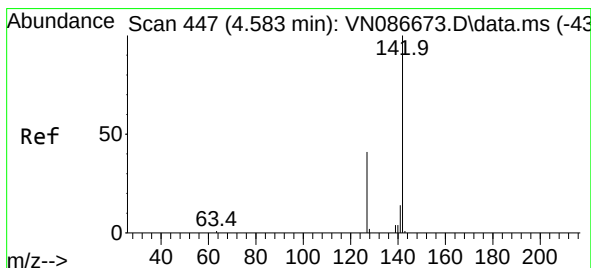
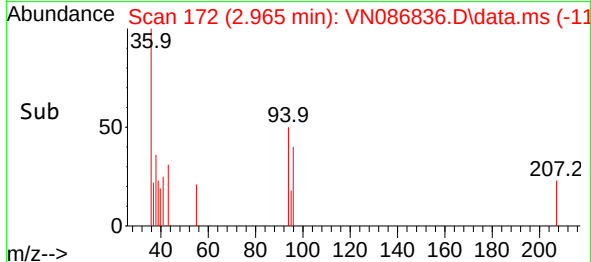
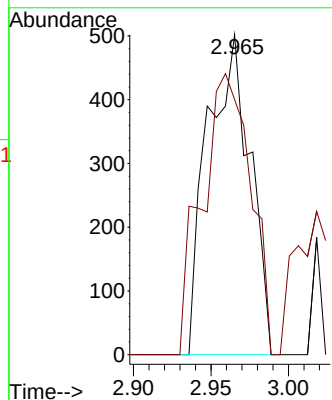
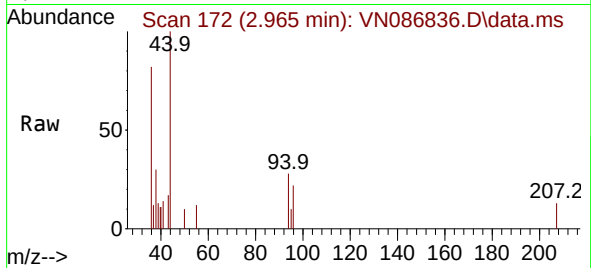




#5
Bromomethane
Concen: 0.440 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

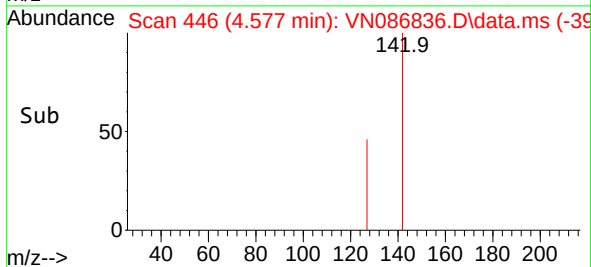
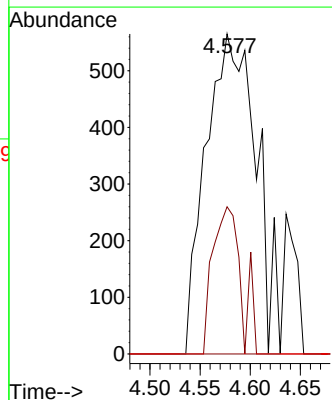
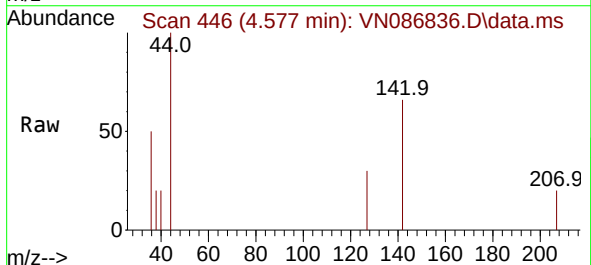
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

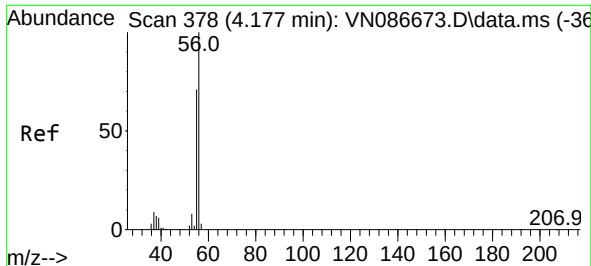
Tgt Ion: 94 Resp: 957
Ion Ratio Lower Upper
94 100
96 79.7 71.2 106.8



#10
Methyl Iodide
Concen: 0.589 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 142 Resp: 1976
Ion Ratio Lower Upper
142 100
127 46.0 32.4 48.6
141 0.0 11.4 17.2#

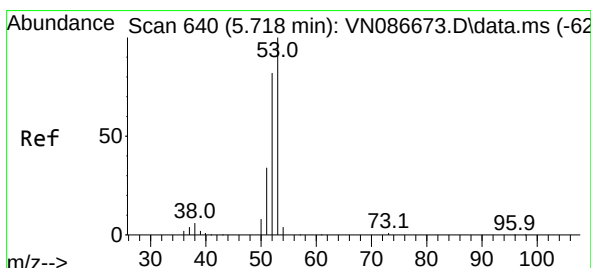
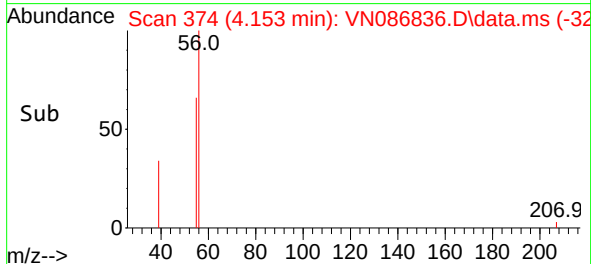
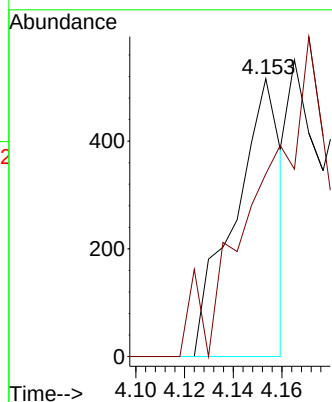
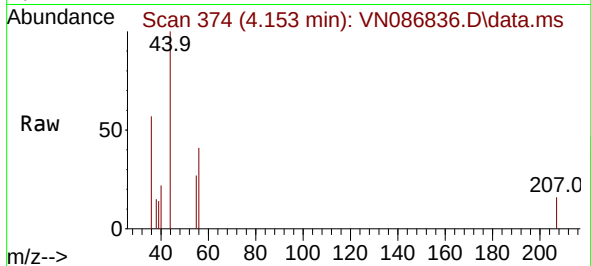




#13
Acrolein
Concen: 0.989 ug/l
RT: 4.153 min Scan# 31
Delta R.T. -0.024 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

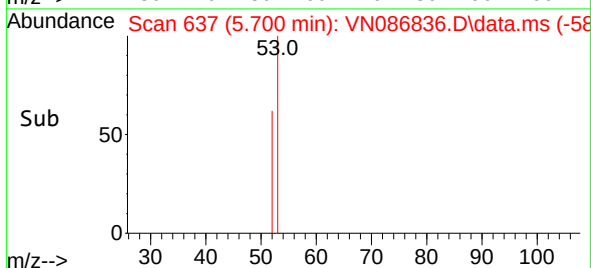
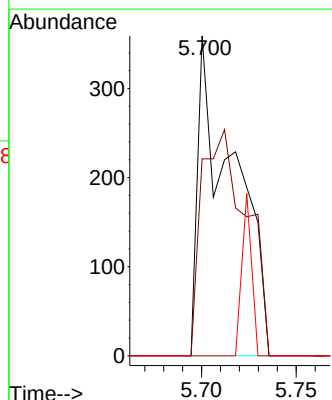
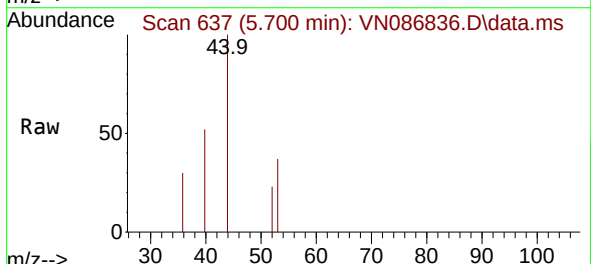
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

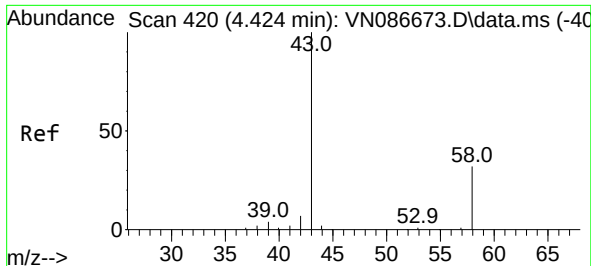
Tgt Ion: 56 Resp: 684
Ion Ratio Lower Upper
56 100
55 198.7 55.7 83.5#



#15
Acrylonitrile
Concen: 0.292 ug/l
RT: 5.700 min Scan# 637
Delta R.T. -0.018 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 53 Resp: 468
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.2#
51 0.0 27.9 41.9#





#16

Acetone

Concen: 1.895 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

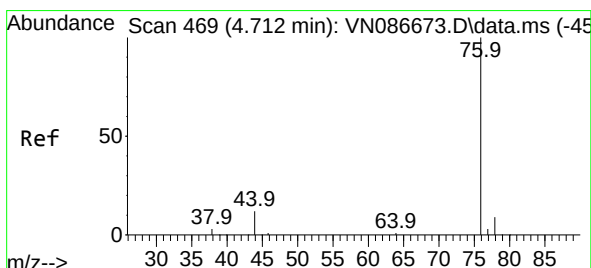
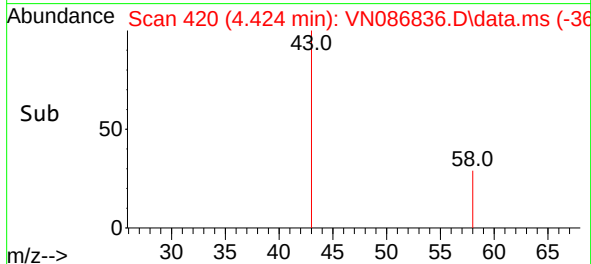
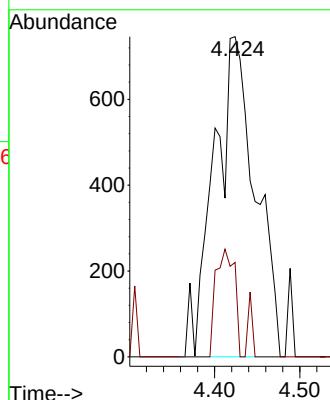
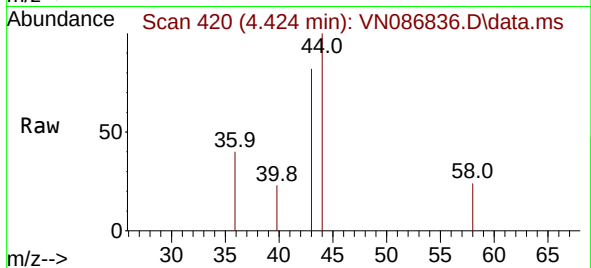
VN0603WBL01

Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

58 29.5 25.8 38.6



#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 4.689 min Scan# 465

Delta R.T. -0.024 min

Lab File: VN086836.D

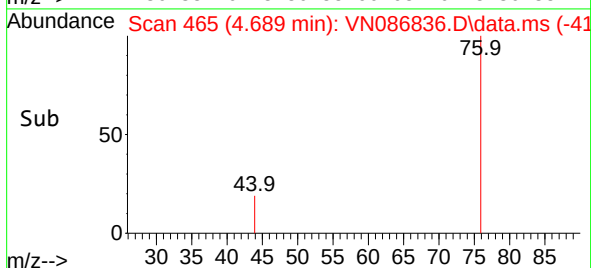
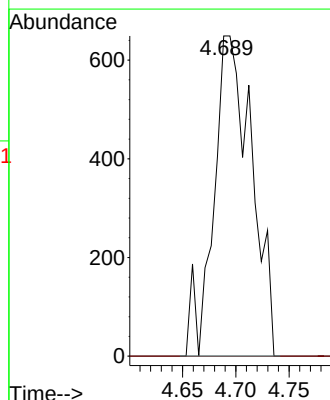
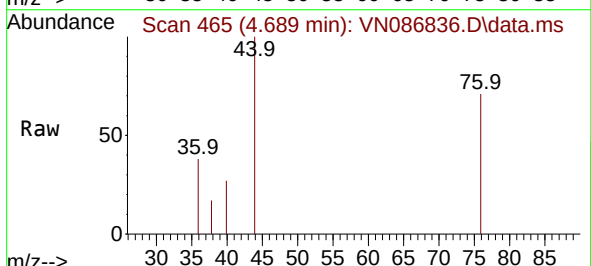
Acq: 03 Jun 2025 12:10

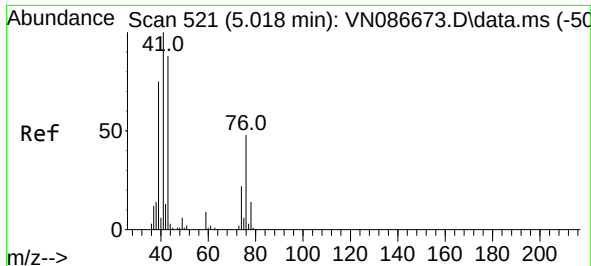
Tgt Ion: 76 Resp: 1615

Ion Ratio Lower Upper

76 100

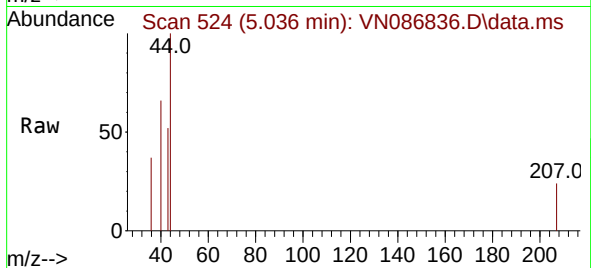
78 0.0 7.3 10.9#



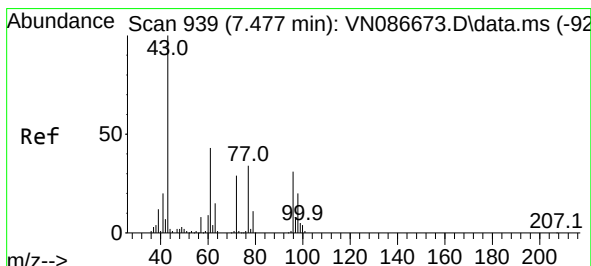
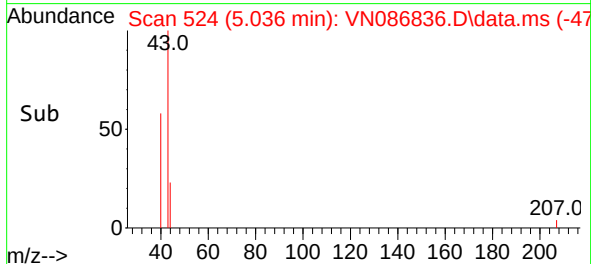
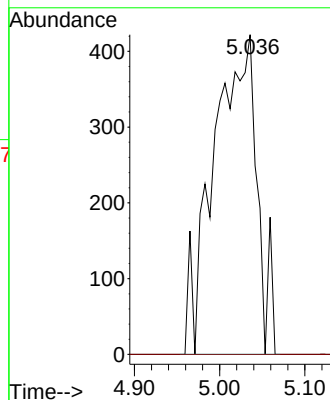


#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

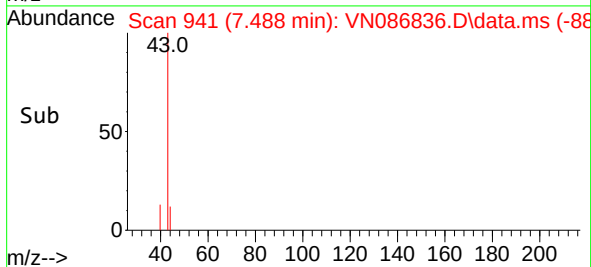
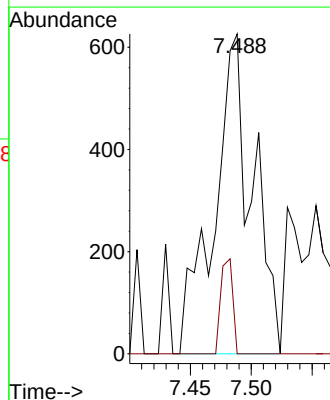
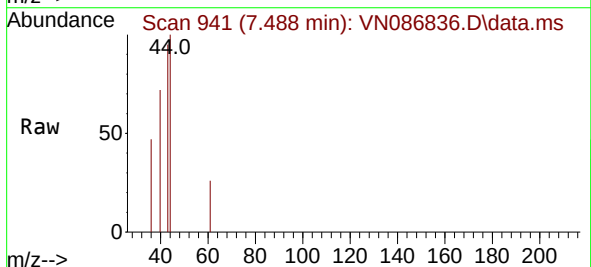


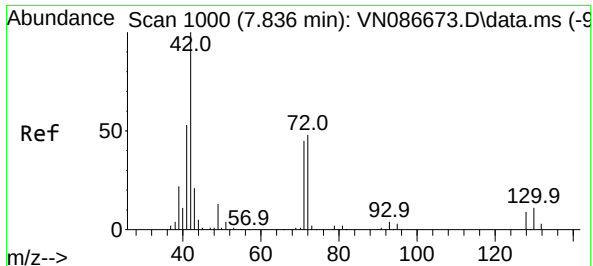
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#25
2-Butanone
Concen: 0.672 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 7.841 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBL01

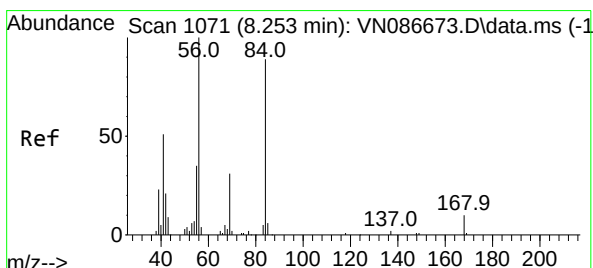
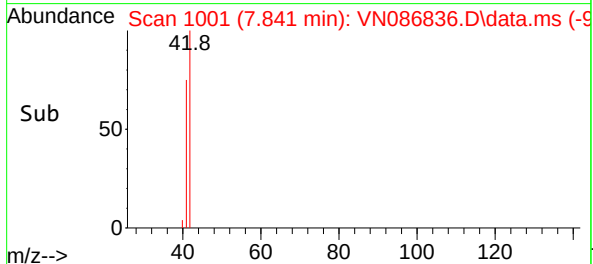
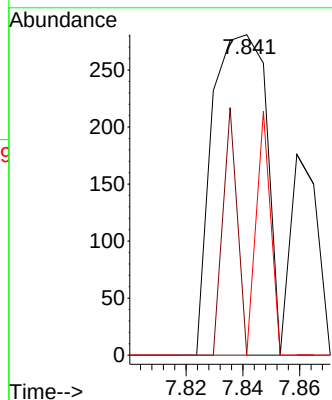
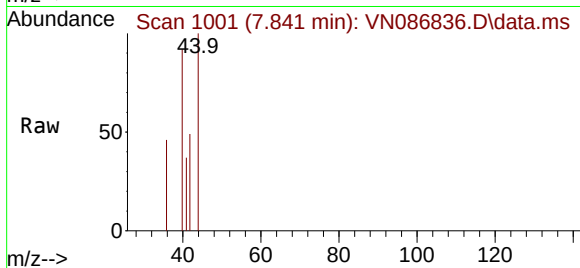
Tgt Ion: 42 Resp: 369

Ion Ratio Lower Upper

42 100

72 20.9 38.7 58.1#

71 20.3 36.2 54.4#



#31

Cyclohexane

Concen: 0.962 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

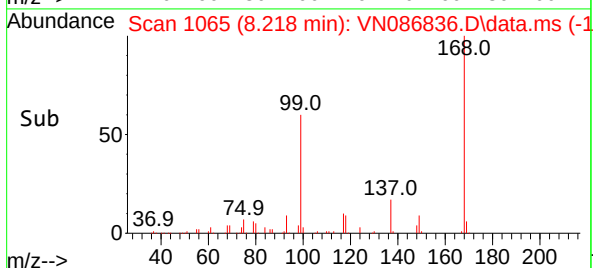
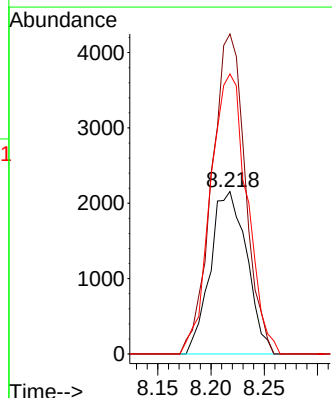
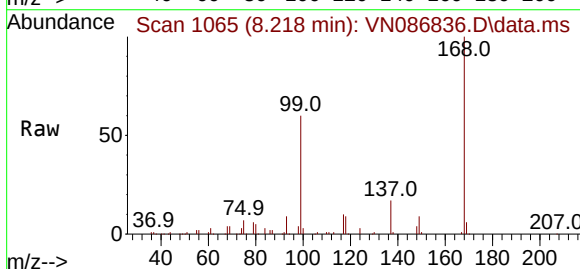
Tgt Ion: 56 Resp: 5129

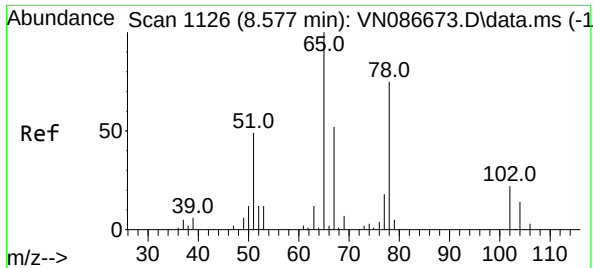
Ion Ratio Lower Upper

56 100

69 197.1 25.0 37.6#

84 172.4 71.0 106.4#

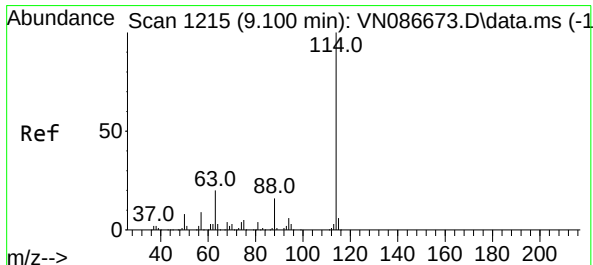
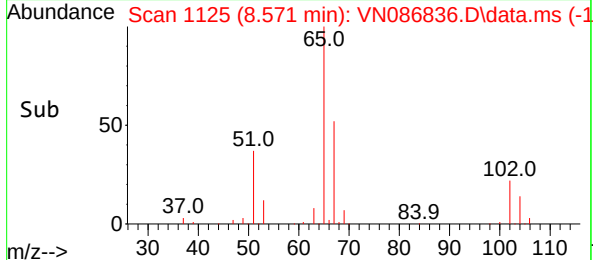
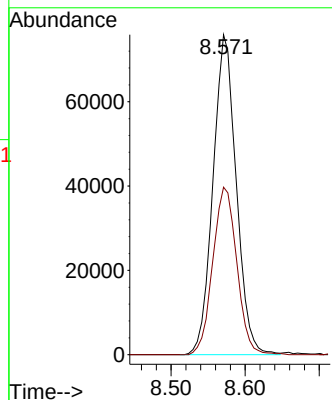
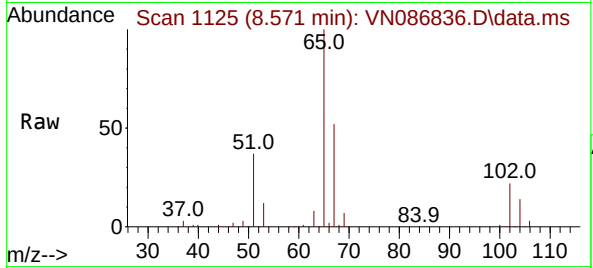




#33
 1,2-Dichloroethane-d4
 Concen: 46.582 ug/l
 RT: 8.571 min Scan# 1125
 Delta R.T. -0.006 min
 Lab File: VN086836.D
 Acq: 03 Jun 2025 12:10

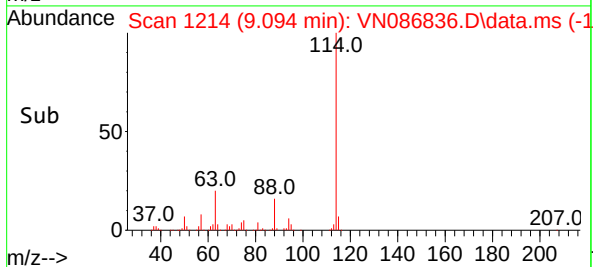
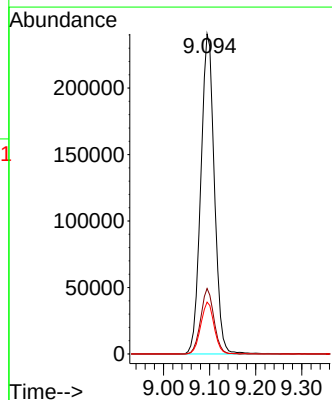
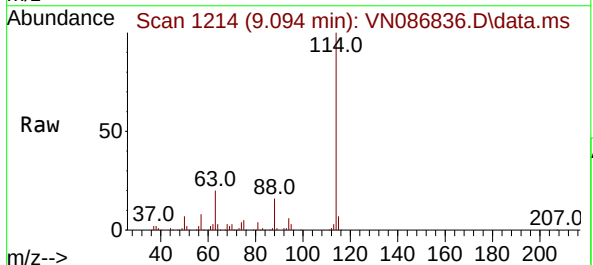
Instrument :
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 ClientSampleId :
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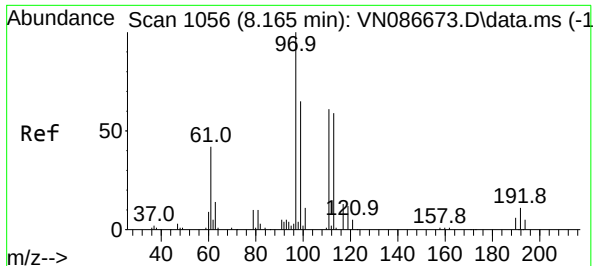
Tgt Ion: 65 Resp: 165463
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086836.D
 Acq: 03 Jun 2025 12:10

Tgt Ion: 114 Resp: 493879
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 16.2 0.0 31.2

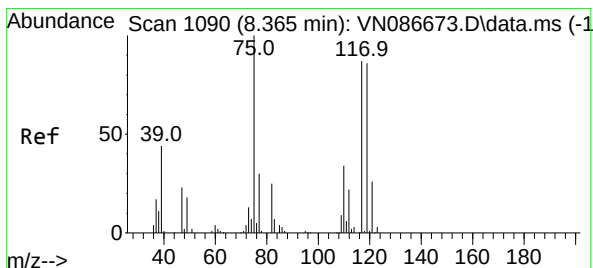
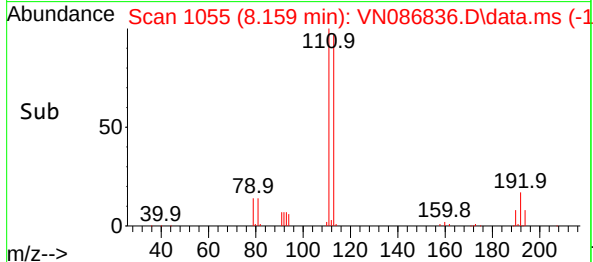
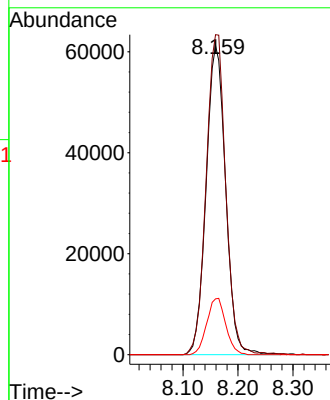
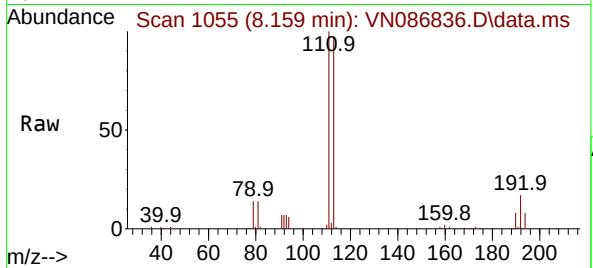




#35
Dibromofluoromethane
Concen: 51.294 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

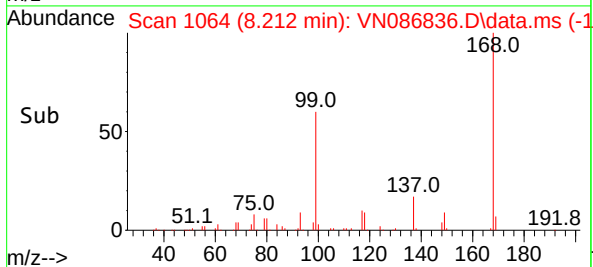
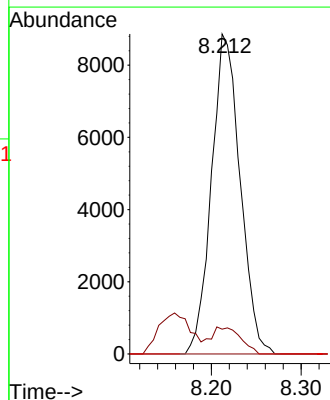
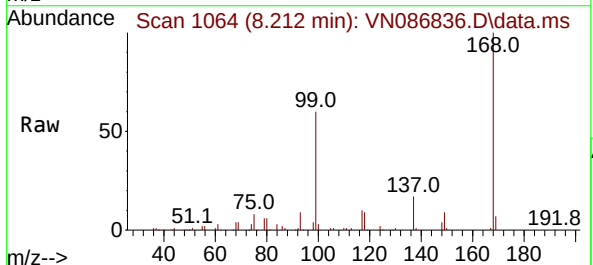
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

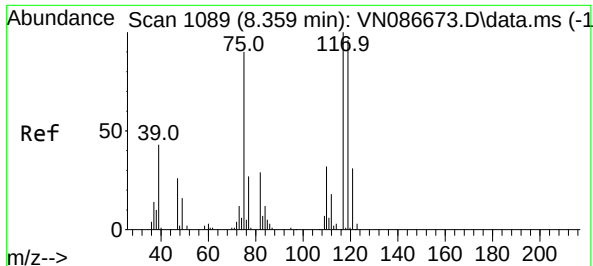
Tgt Ion:113 Resp: 150868
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 17.7 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.520 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.153 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

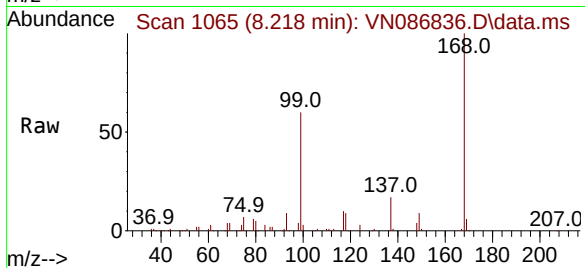
Tgt Ion: 75 Resp: 19610
Ion Ratio Lower Upper
75 100
110 7.3 17.5 52.5#
77 0.0 25.1 37.7#



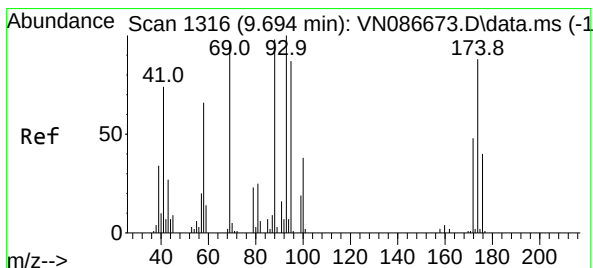
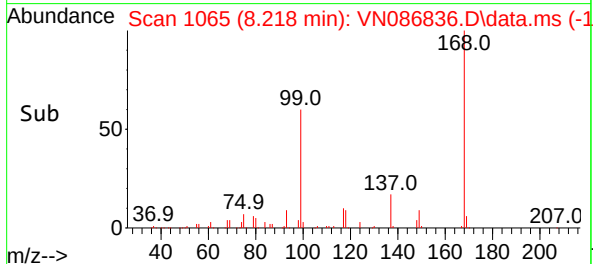
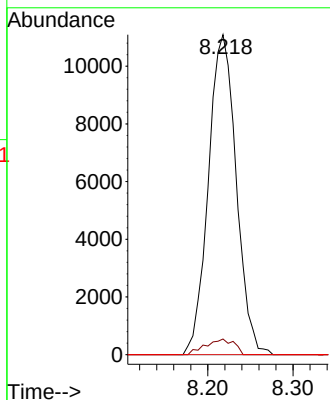


#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

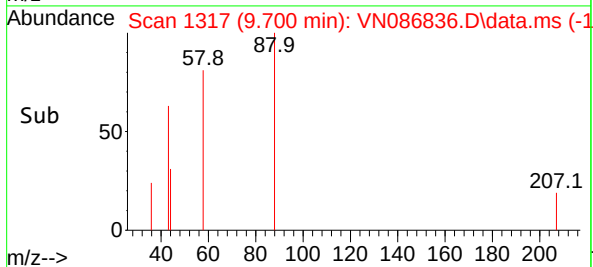
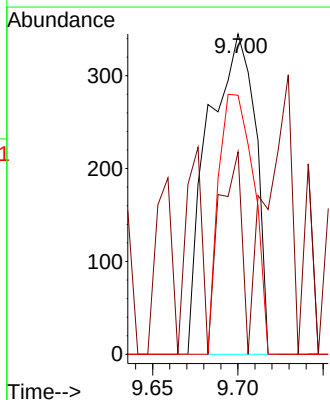
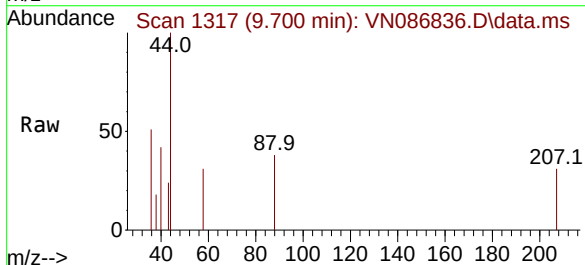


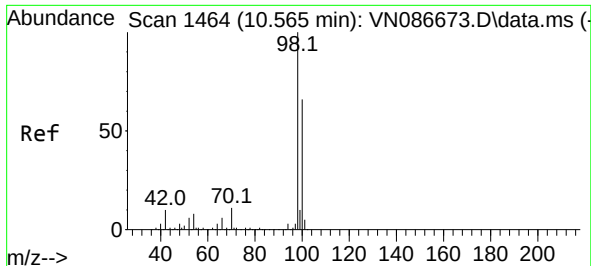
Tgt Ion:117 Resp: 25190
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.6#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 9.239 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 88 Resp: 666
Ion Ratio Lower Upper
88 100
43 29.7 23.6 35.4
58 60.1 55.3 82.9

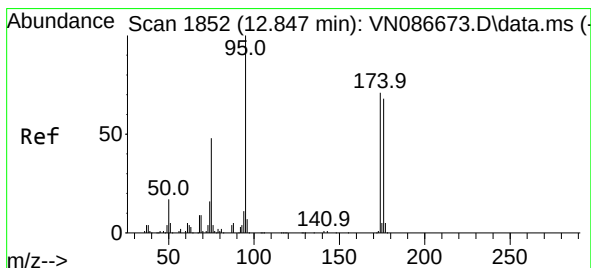
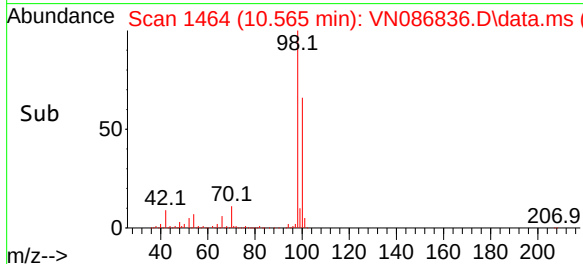
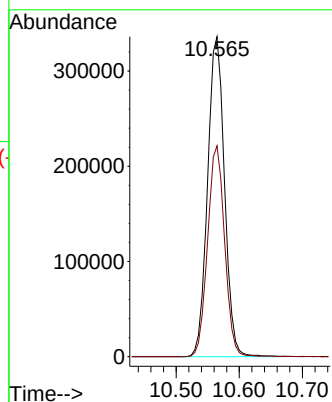
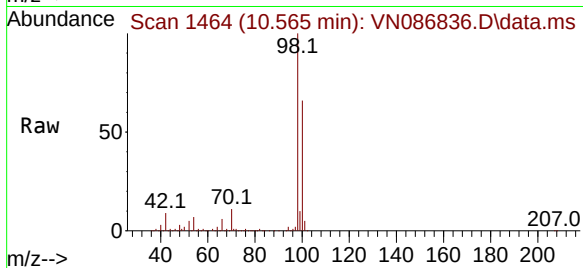




#50
Toluene-d8
Concen: 51.290 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

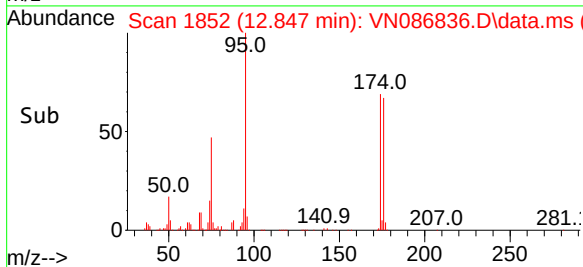
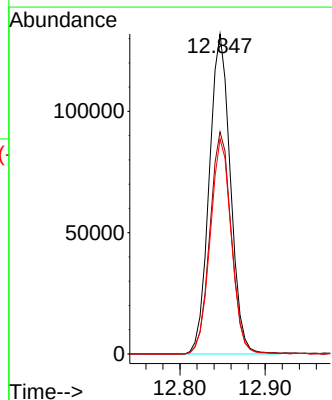
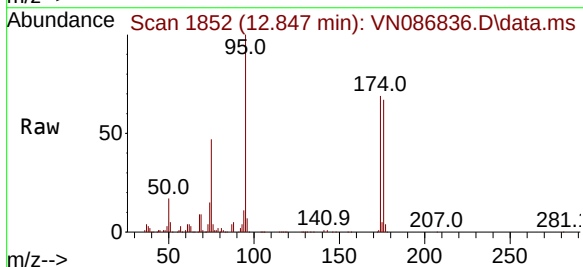
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

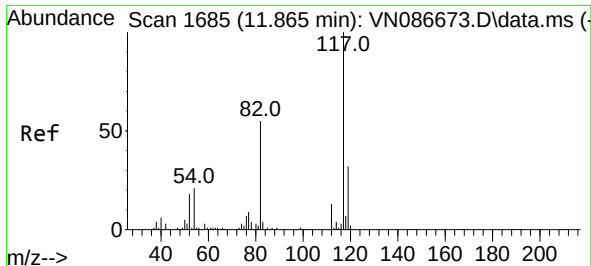
Tgt Ion: 98 Resp: 625163
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 52.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 95 Resp: 227449
Ion Ratio Lower Upper
95 100
174 70.1 0.0 145.4
176 67.1 0.0 137.8

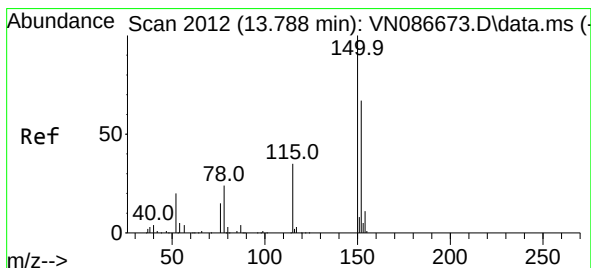
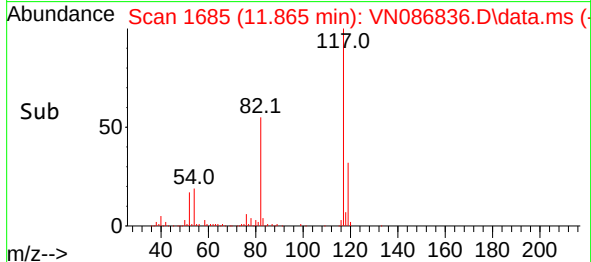
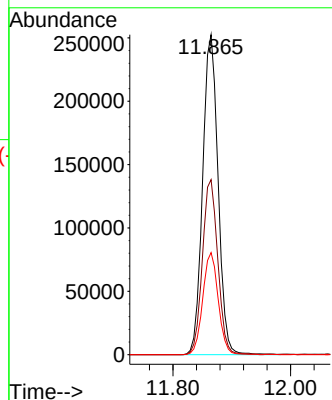
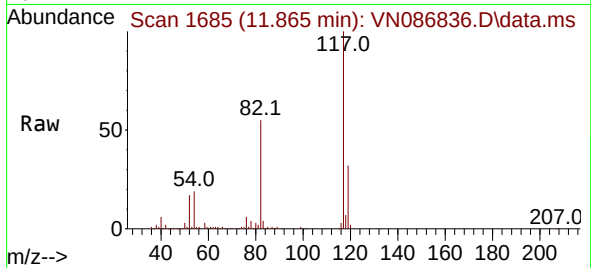




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

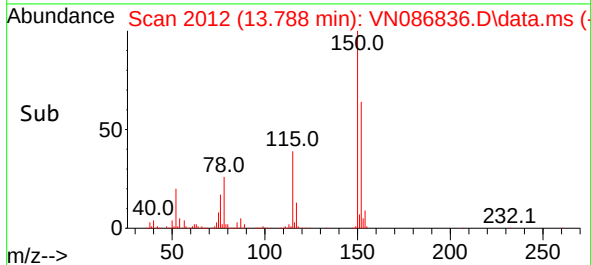
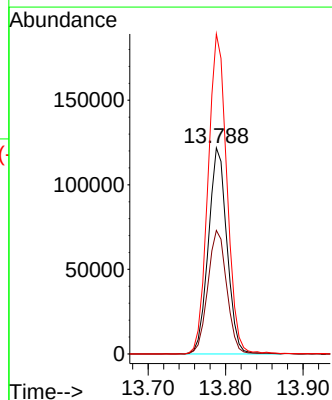
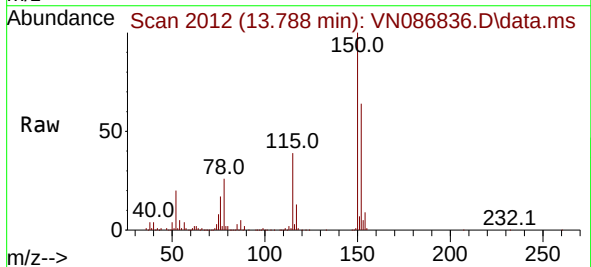
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

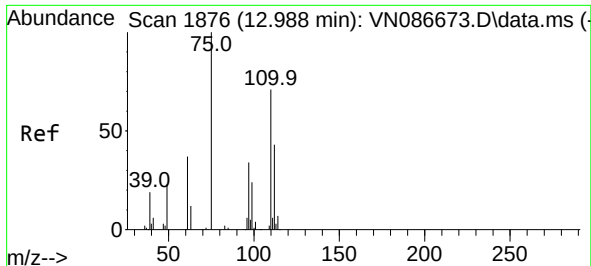
Tgt Ion:117 Resp: 460882
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion:152 Resp: 202290
Ion Ratio Lower Upper
152 100
115 61.5 30.0 90.1
150 158.2 0.0 347.8

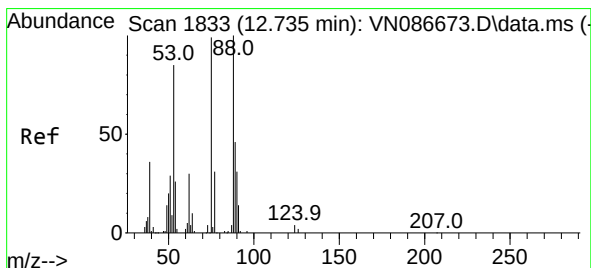
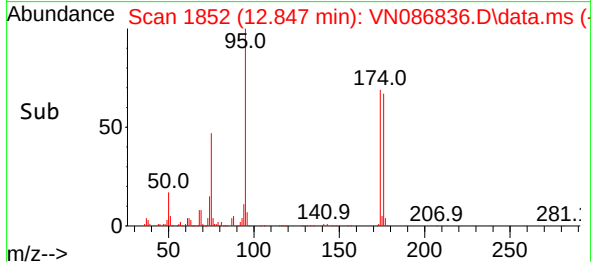
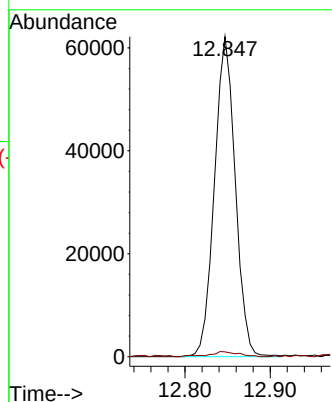
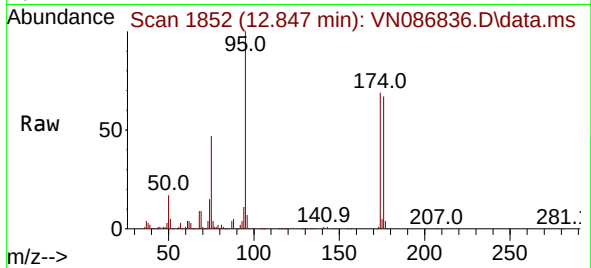




#76
1,2,3-Trichloropropane
Concen: 23.030 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

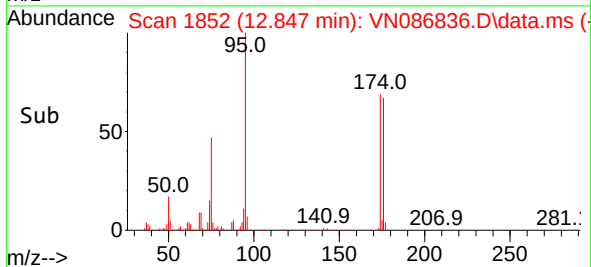
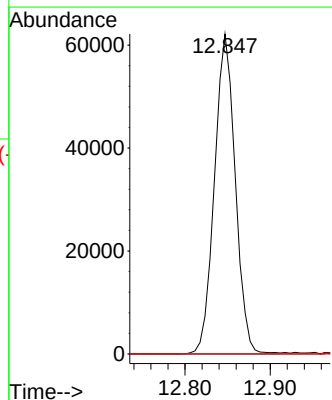
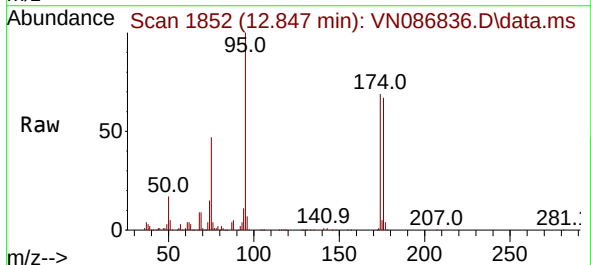
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

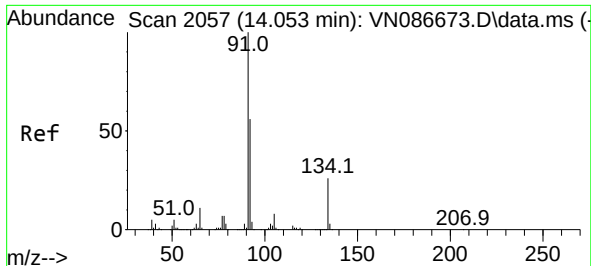
Tgt Ion: 75 Resp: 105361
Ion Ratio Lower Upper
75 100
77 2.0 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.120 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 75 Resp: 105361
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

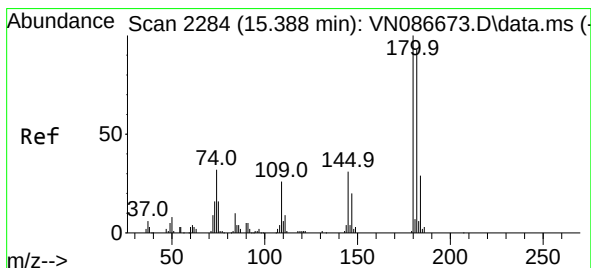
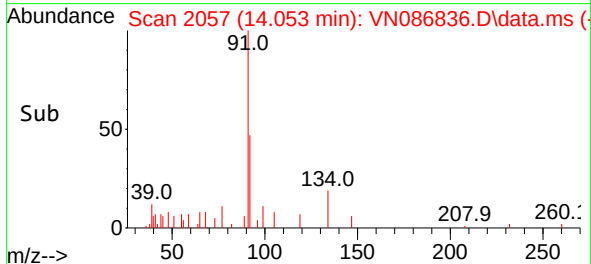
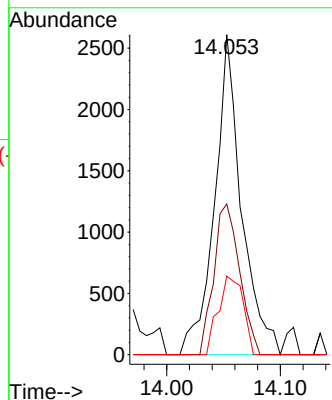
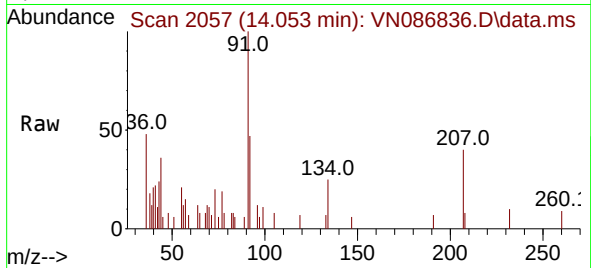




#89
n-Butylbenzene
Concen: 0.431 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

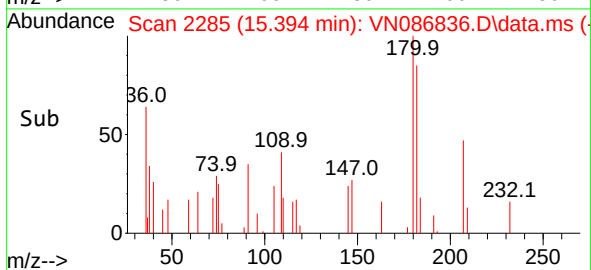
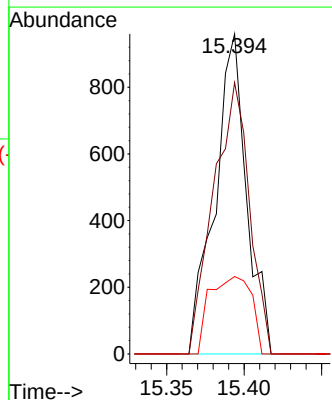
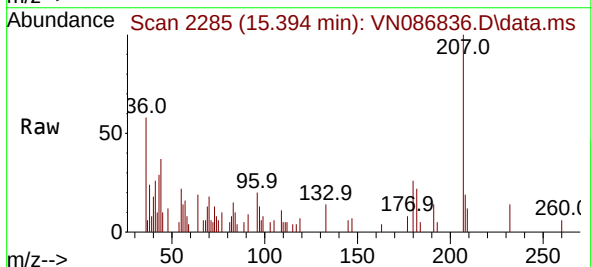
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

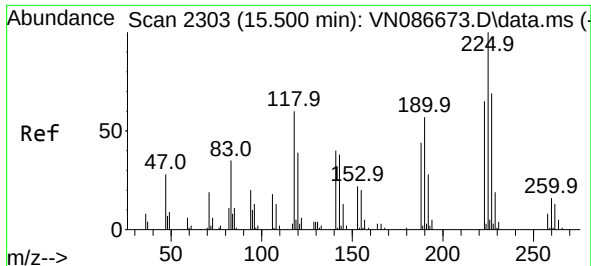
Tgt Ion:	91	Resp:	4288
Ion	Ratio	Lower	Upper
91	100		
92	45.1	27.4	82.0
134	22.6	12.8	38.4



#93
1,2,4-Trichlorobenzene
Concen: 0.500 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion:	180	Resp:	1365
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.7	15.6	46.8

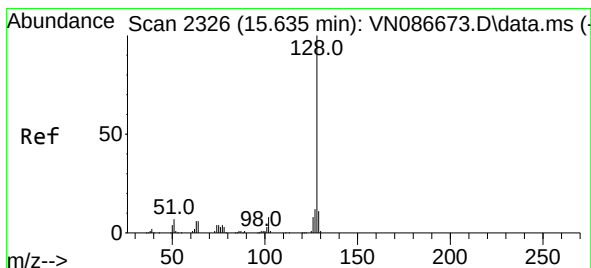
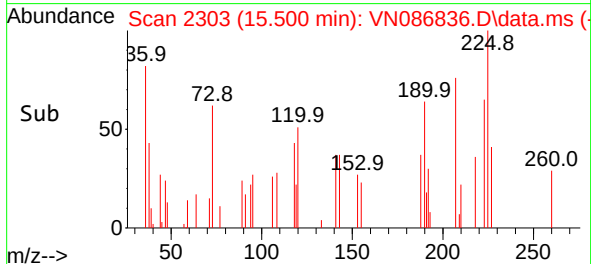
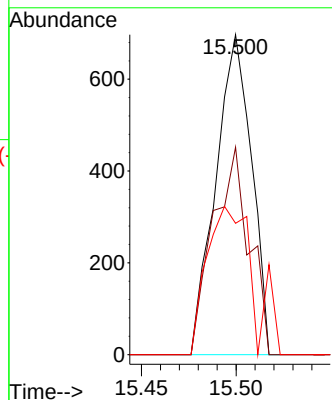
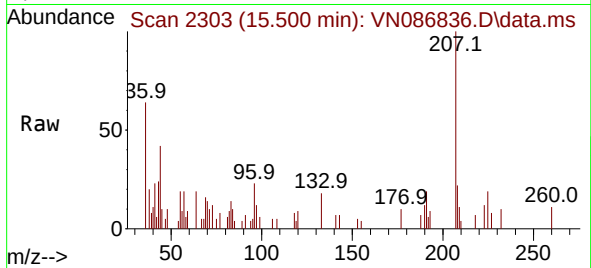




#94
Hexachlorobutadiene
Concen: 0.808 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

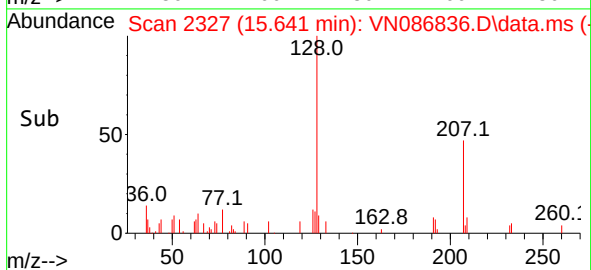
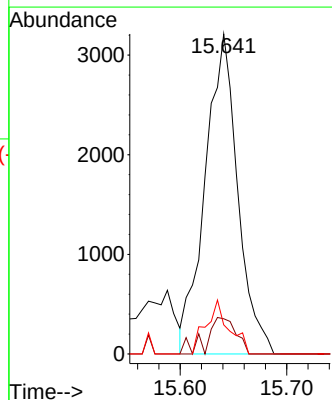
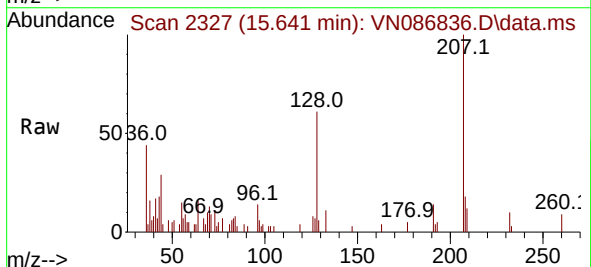
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

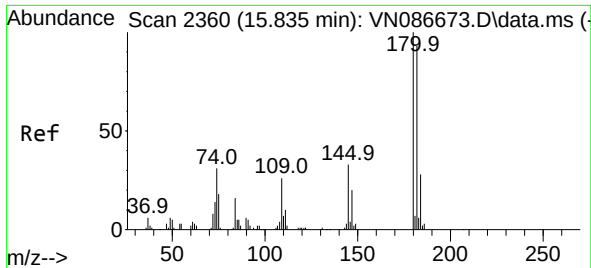
Tgt Ion:225 Resp: 916
Ion Ratio Lower Upper
225 100
223 65.8 32.9 98.6
227 59.6 32.4 97.2



#95
Naphthalene
Concen: 0.720 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

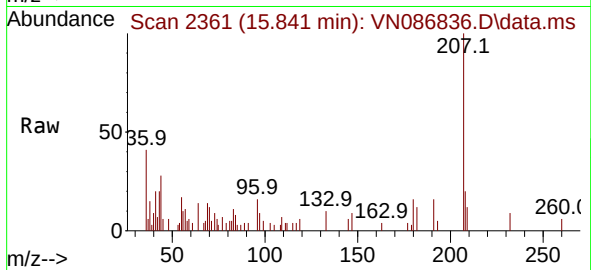
Tgt Ion:128 Resp: 6830
Ion Ratio Lower Upper
128 100
127 9.5 10.1 15.1#
129 12.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.649 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN086836.D
 Acq: 03 Jun 2025 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBL01



Tgt Ion:	180	Resp:	1737
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.0	141.2
145	36.3	16.7	50.1

