

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087040.D
 Acq On : 16 Jun 2025 18:24
 Operator : JC\MD
 Sample : Q2299-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D2-20250611

Quant Time: Jun 17 07:27:52 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

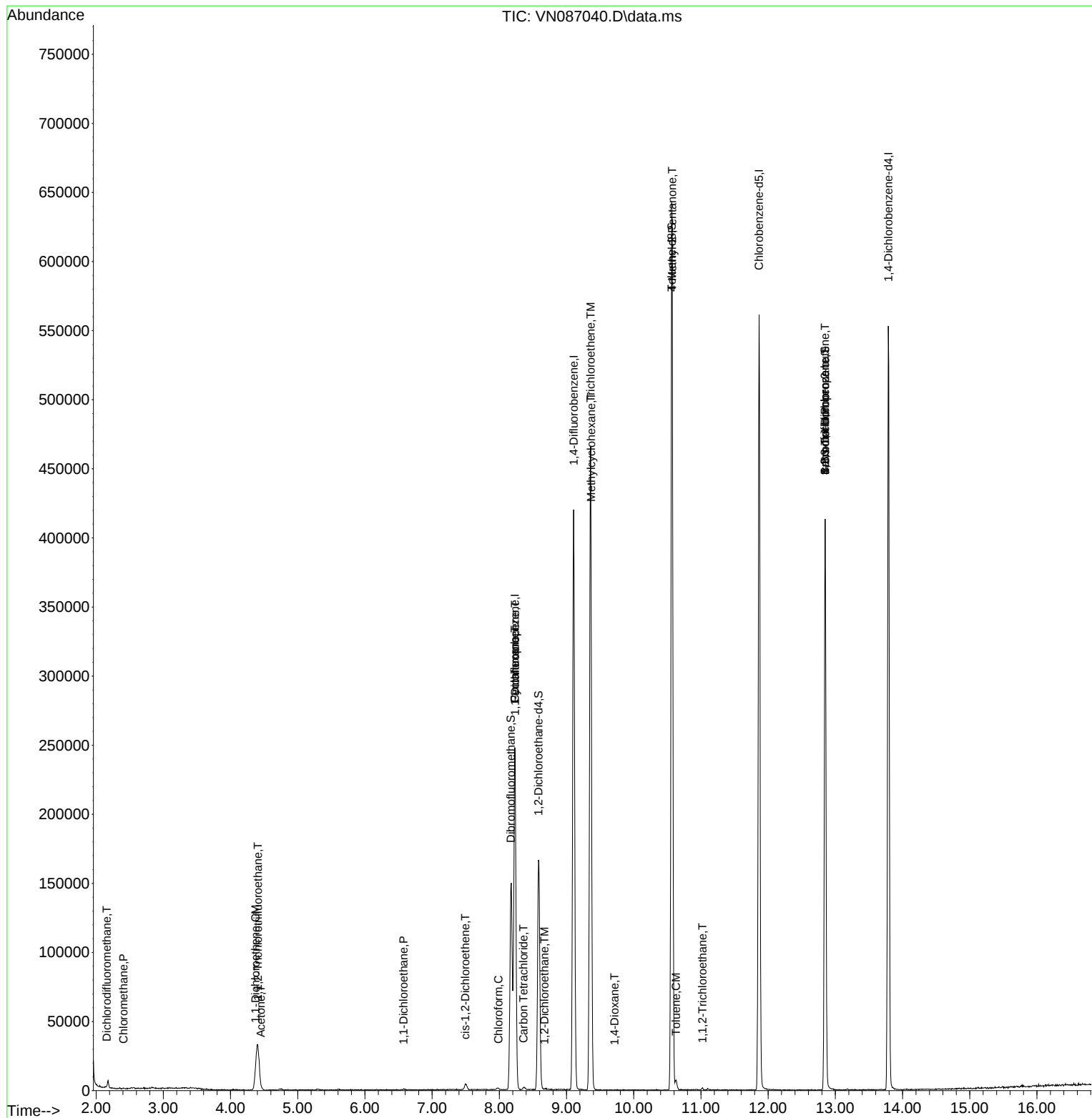
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	194784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	389919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	139972	53.671	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.340%		
35) Dibromofluoromethane	8.171	113	116422	50.383	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.760%		
50) Toluene-d8	10.565	98	478545	52.313	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.620%		
62) 4-Bromofluorobenzene	12.847	95	166755	49.065	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.160	85	586	0.302	ug/l #	42
3) Chloromethane	2.407	50	525	0.209	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	4.406	101	25523	12.019	ug/l	98
12) 1,1-Dichloroethene	4.371	96	4502	2.077	ug/l #	77
16) Acetone	4.448	43	1509	1.091	ug/l #	40
24) 1,1-Dichloroethane	6.577	63	1263	0.290	ug/l #	81
27) cis-1,2-Dichloroethene	7.494	96	3356	1.163	ug/l	76
30) Chloroform	7.989	83	1422	0.326	ug/l #	82
31) Cyclohexane	8.230	56	3543	0.838	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	14959	4.344	ug/l #	48
38) Carbon Tetrachloride	8.359	117	1524	0.451	ug/l #	71
39) Methylcyclohexane	9.365	83	2071	0.439	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	847	0.248	ug/l #	72
44) Trichloroethene	9.359	130	183374	68.684	ug/l	100
49) 1,4-Dioxane	9.712	88	56	0.951	ug/l #	14
51) 4-Methyl-2-Pentanone	10.571	43	1686	0.398	ug/l #	1
52) Toluene	10.630	92	3165	0.460	ug/l	92
55) 1,1,2-Trichloroethane	11.024	97	640	0.242	ug/l #	79
71) Bromoform	12.847	173	756	0.413	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77858	20.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77858	46.197	ug/l #	16

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

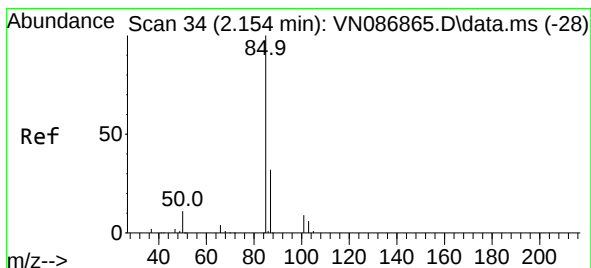
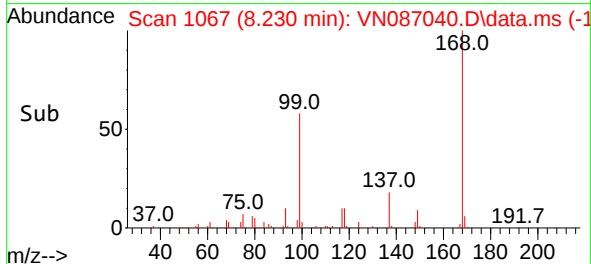
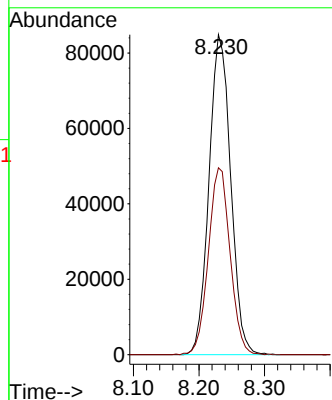
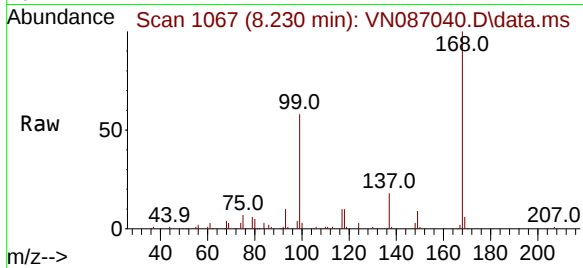




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

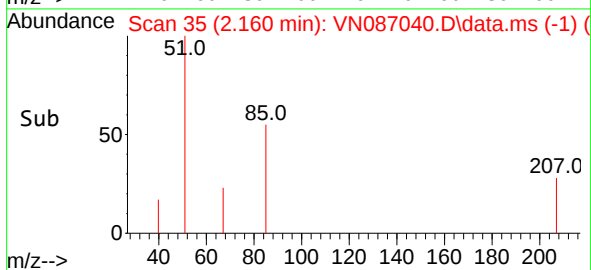
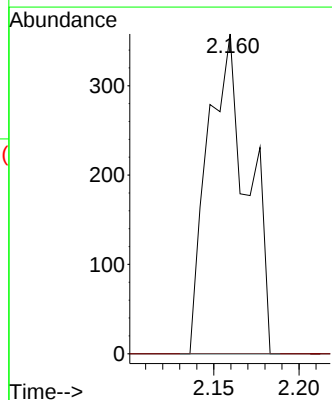
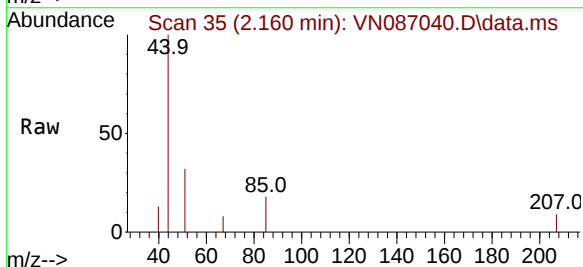
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

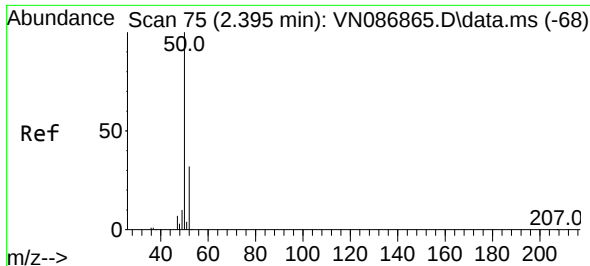
Tgt Ion:168 Resp: 194784
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#2
Dichlorodifluoromethane
Concen: 0.302 ug/l
RT: 2.160 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 85 Resp: 586
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

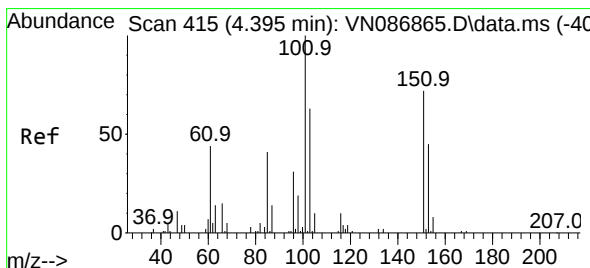
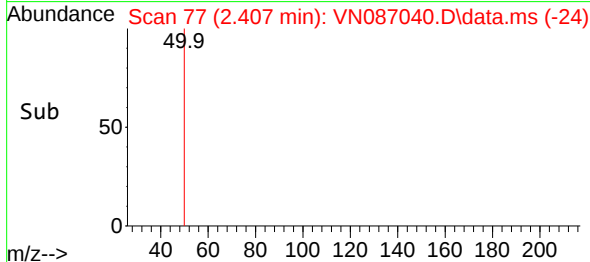
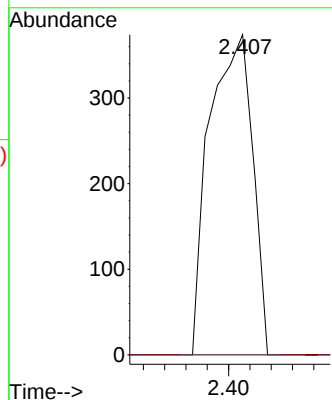
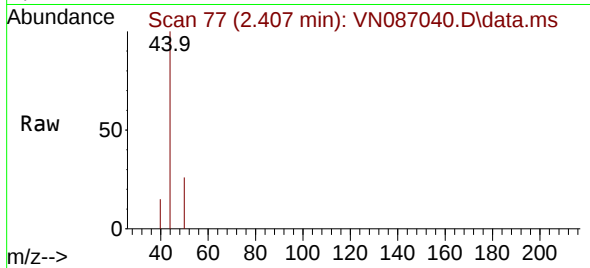




#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.407 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

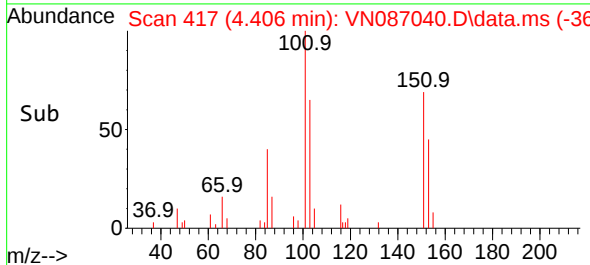
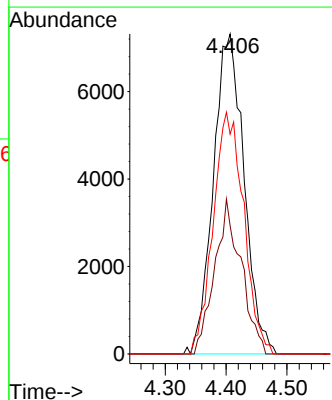
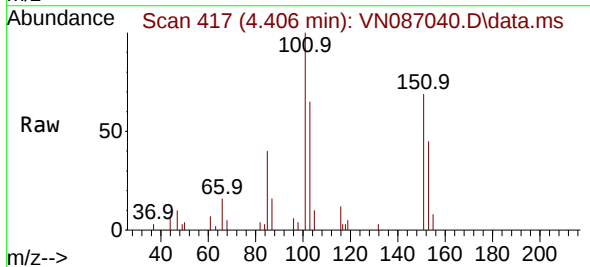
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

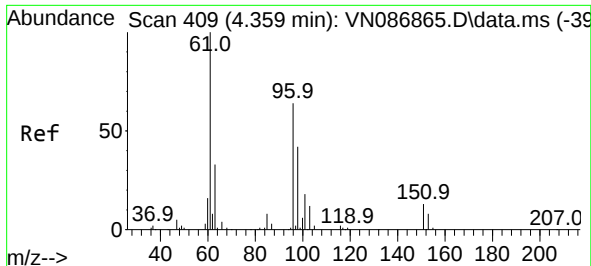
Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.019 ug/l
RT: 4.406 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 101 Resp: 25523
Ion Ratio Lower Upper
101 100
85 41.9 33.8 50.8
151 75.4 58.7 88.1

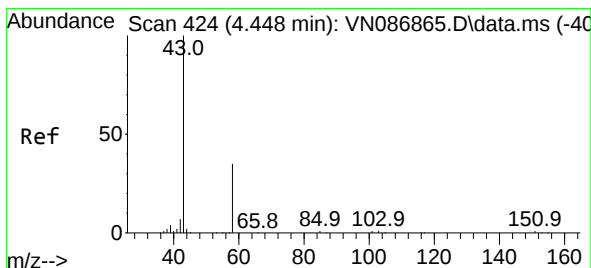
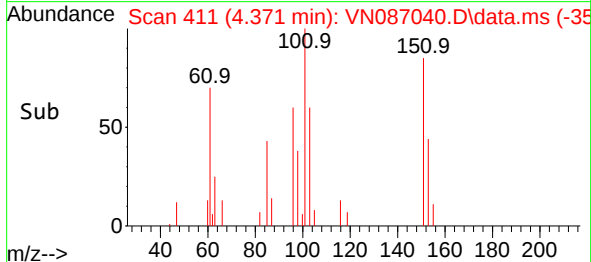
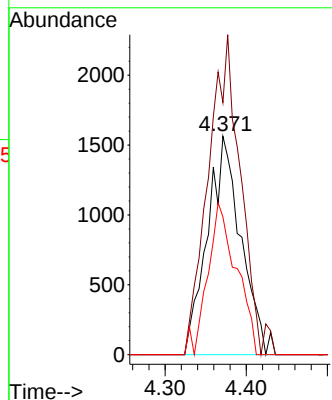
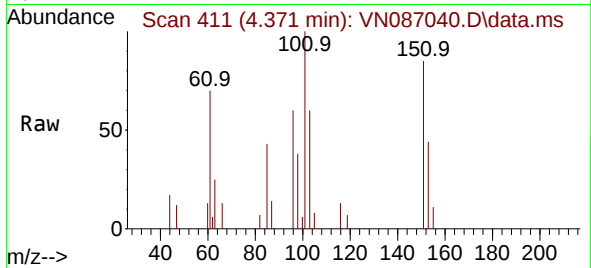




#12
 1,1-Dichloroethene
 Concen: 2.077 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.012 min
 Lab File: VN087040.D
 Acq: 16 Jun 2025 18:24

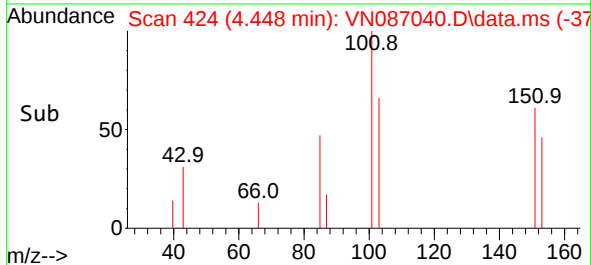
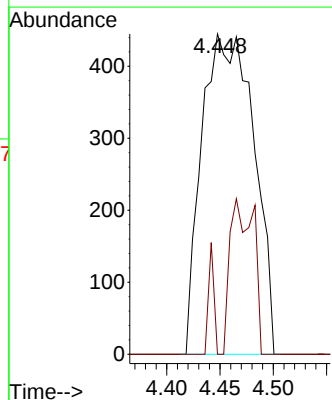
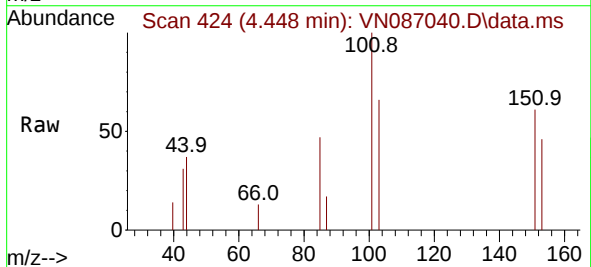
Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D2-20250611

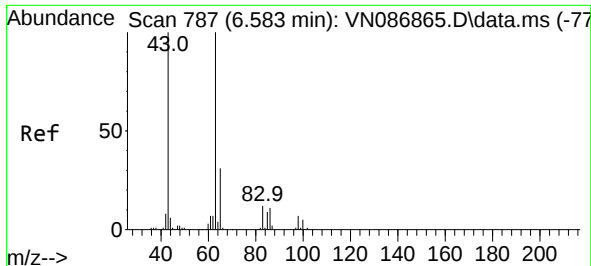
Tgt Ion: 96 Resp: 4502
 Ion Ratio Lower Upper
 96 100
 61 115.5 125.8 188.6#
 98 63.1 52.5 78.7



#16
 Acetone
 Concen: 1.091 ug/l
 RT: 4.448 min Scan# 424
 Delta R.T. 0.000 min
 Lab File: VN087040.D
 Acq: 16 Jun 2025 18:24

Tgt Ion: 43 Resp: 1509
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 42.0#

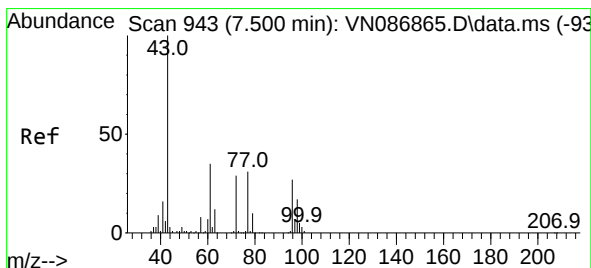
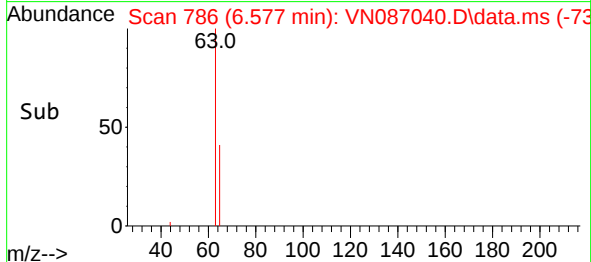
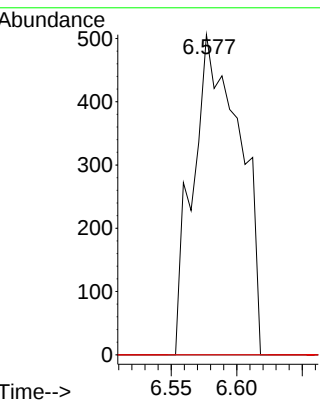
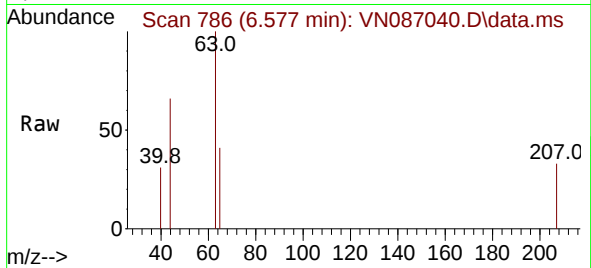




#24
1,1-Dichloroethane
Concen: 0.290 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

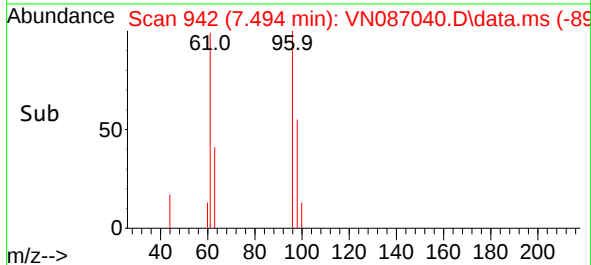
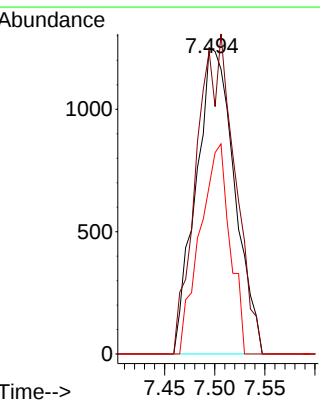
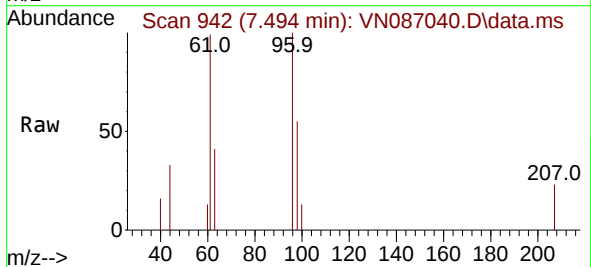
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

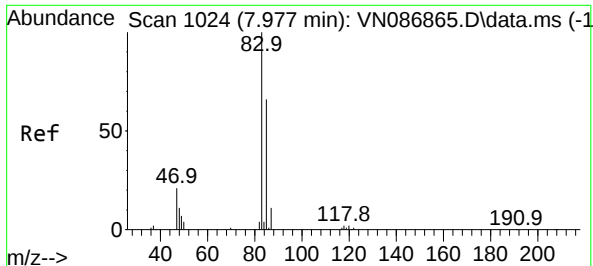
Tgt Ion: 63 Resp: 1263
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.6 7.8#



#27
cis-1,2-Dichloroethene
Concen: 1.163 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 96 Resp: 3356
Ion Ratio Lower Upper
96 100
61 103.4 0.0 278.0
98 53.4 0.0 128.2





#30

Chloroform

Concen: 0.326 ug/l

RT: 7.989 min Scan# 1026

Delta R.T. 0.012 min

Lab File: VN087040.D

Acq: 16 Jun 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

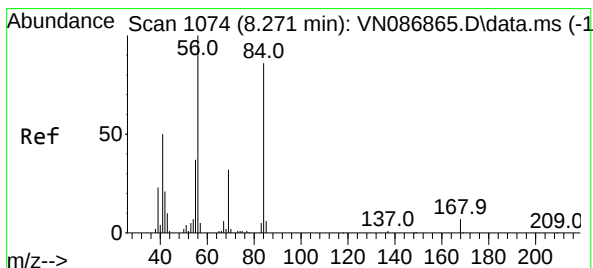
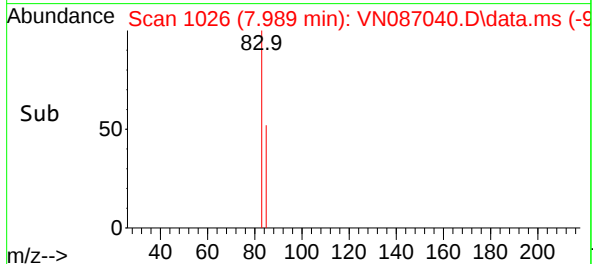
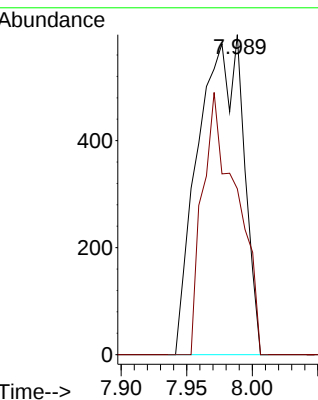
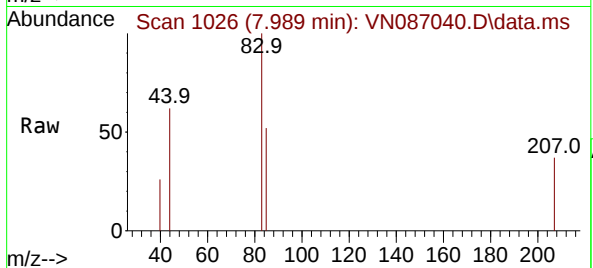
TT190D2-20250611

Tgt Ion: 83 Resp: 1422

Ion Ratio Lower Upper

83 100

85 51.8 52.9 79.3#



#31

Cyclohexane

Concen: 0.838 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.041 min

Lab File: VN087040.D

Acq: 16 Jun 2025 18:24

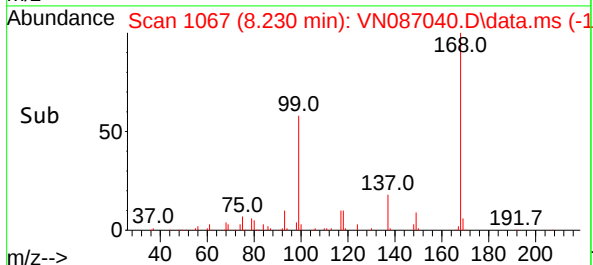
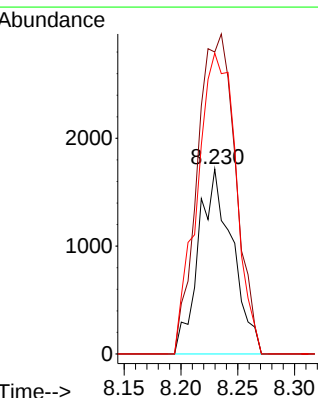
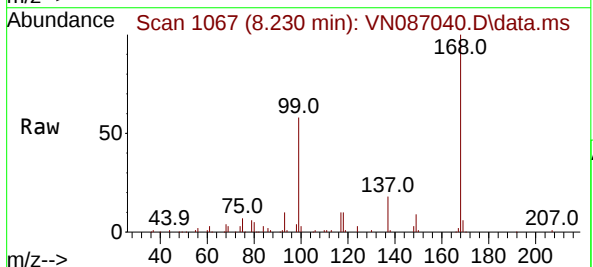
Tgt Ion: 56 Resp: 3543

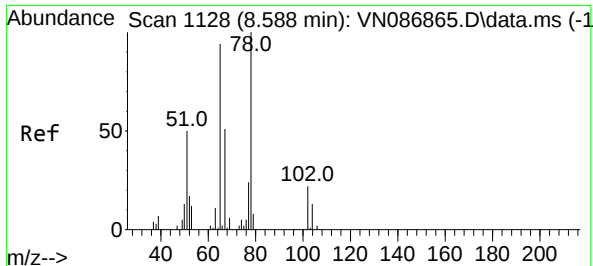
Ion Ratio Lower Upper

56 100

69 163.3 25.4 38.0#

84 162.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.671 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087040.D

Acq: 16 Jun 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

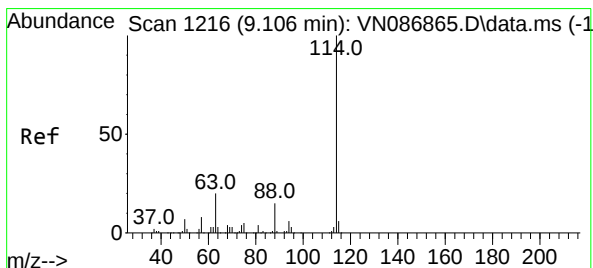
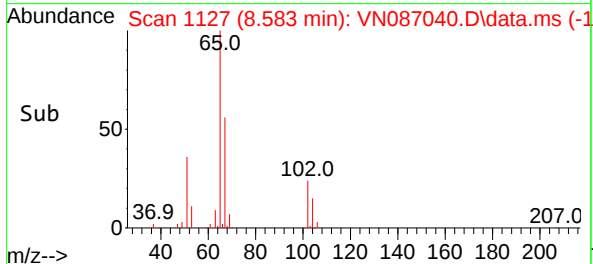
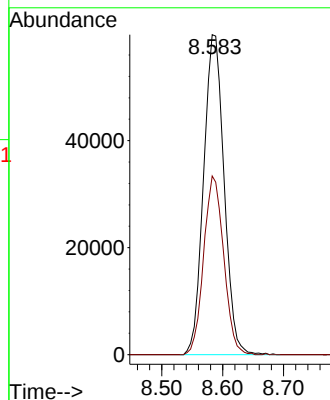
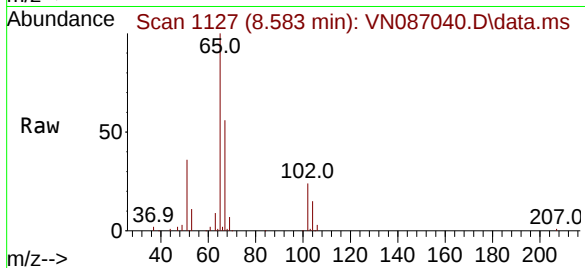
TT190D2-20250611

Tgt Ion: 65 Resp: 139972

Ion Ratio Lower Upper

65 100

67 54.5 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: VN087040.D

Acq: 16 Jun 2025 18:24

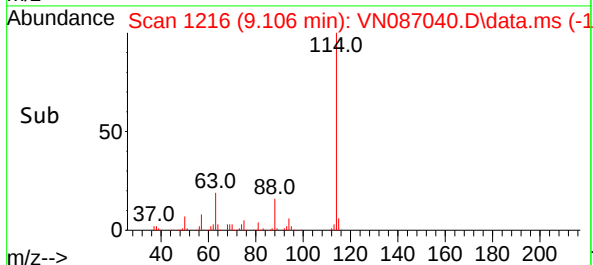
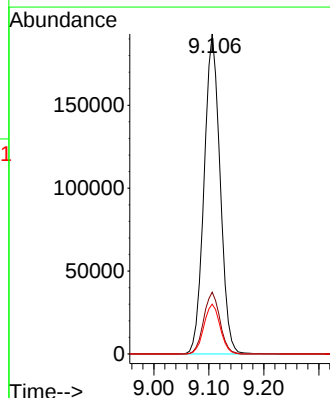
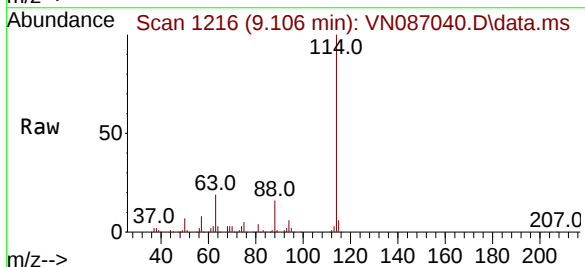
Tgt Ion: 114 Resp: 389919

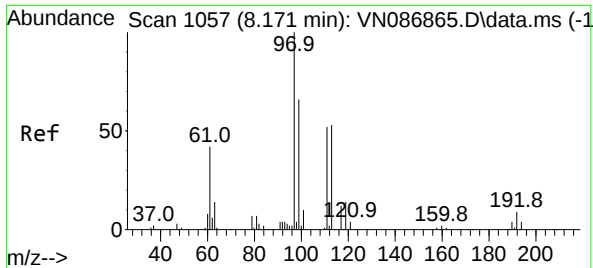
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.6 0.0 30.2

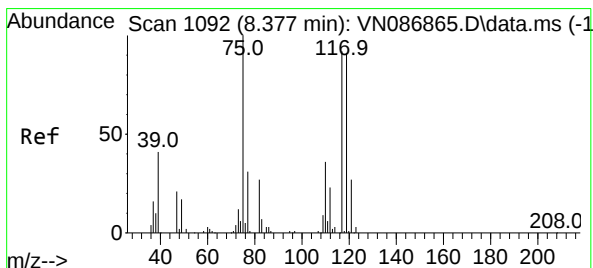
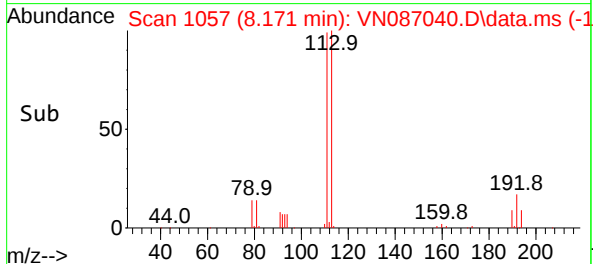
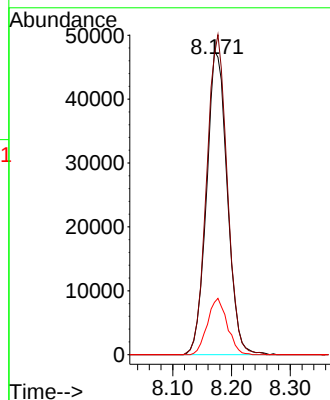
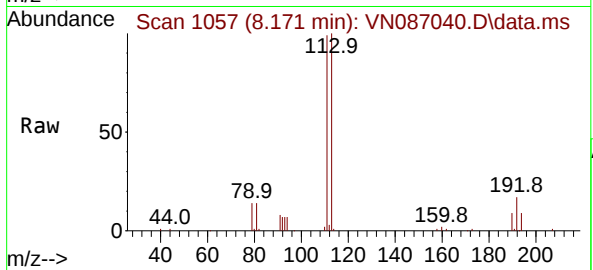




#35
Dibromofluoromethane
Concen: 50.383 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

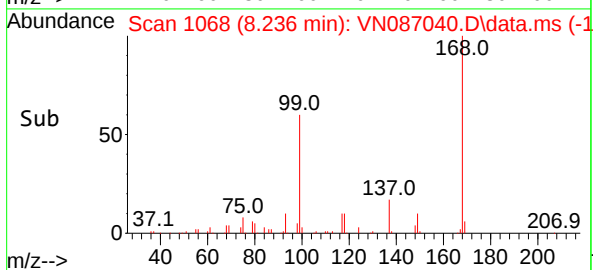
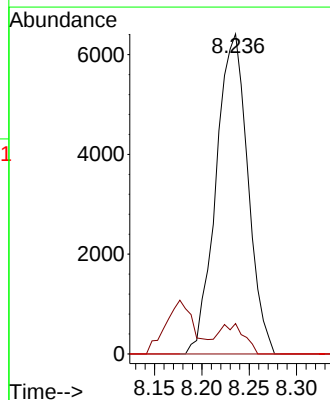
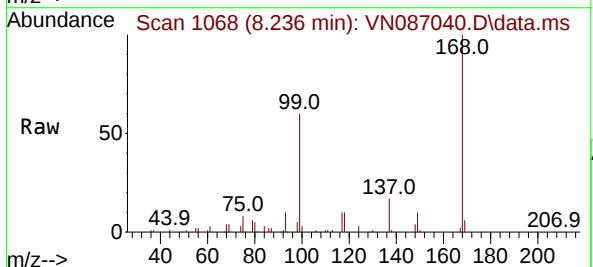
Instrument :
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TT190D2-20250611

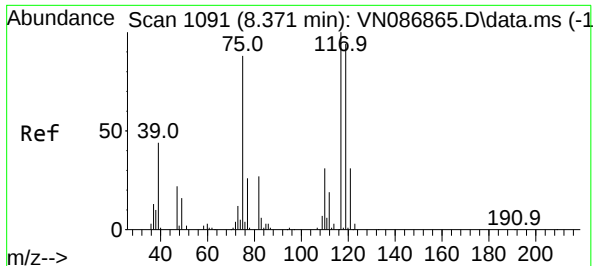
Tgt Ion:113 Resp: 116422
Ion Ratio Lower Upper
113 100
111 104.3 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

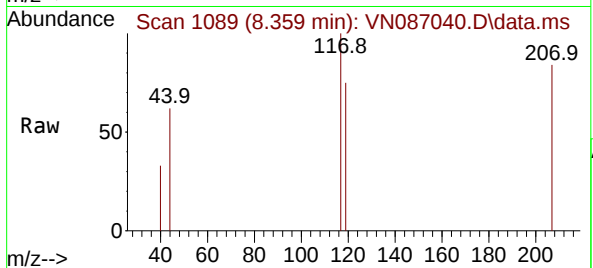
Tgt Ion: 75 Resp: 14959
Ion Ratio Lower Upper
75 100
110 7.9 17.6 52.9#
77 0.0 25.3 37.9#



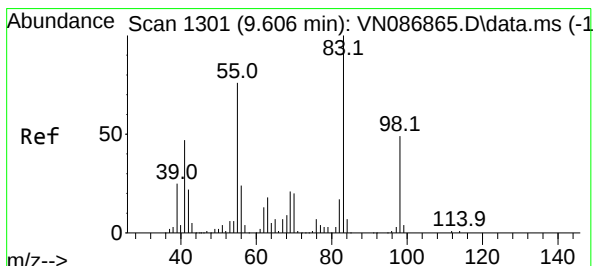
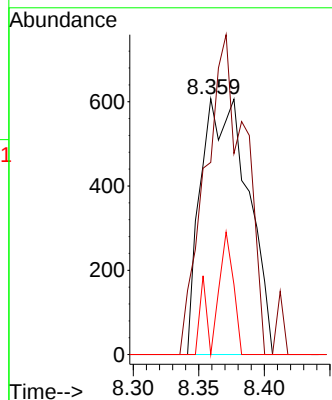
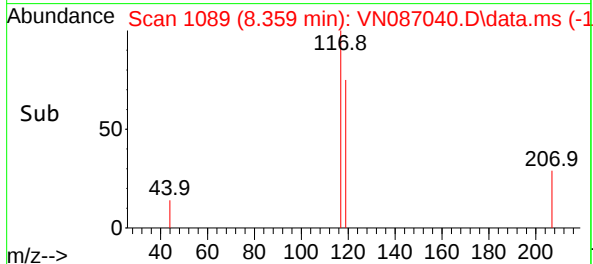


#38
Carbon Tetrachloride
Concen: 0.451 ug/l
RT: 8.359 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Instrument :
MSVOA_N
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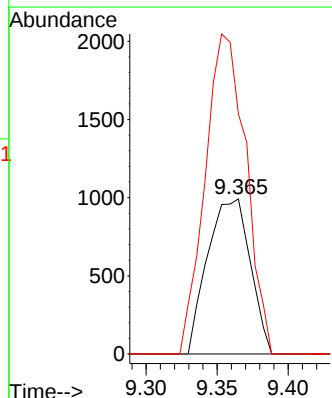
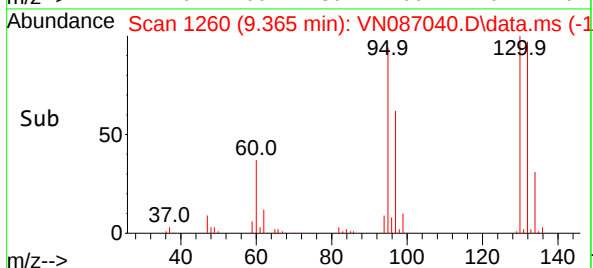
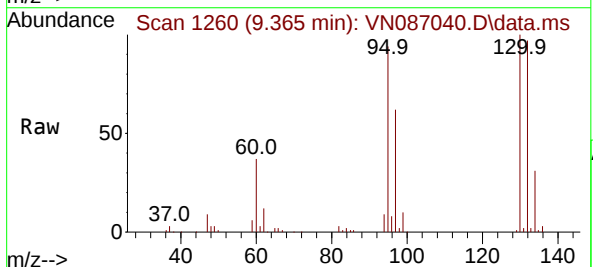


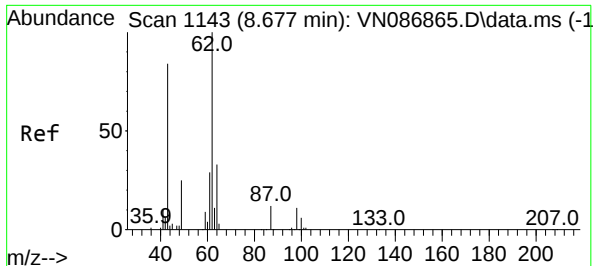
Tgt Ion:117 Resp: 1524
Ion Ratio Lower Upper
117 100
119 75.1 75.0 112.6
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 0.439 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. -0.241 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 83 Resp: 2071
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.6#
98 154.6 38.9 58.3#





#42

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VN087040.D

Acq: 16 Jun 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

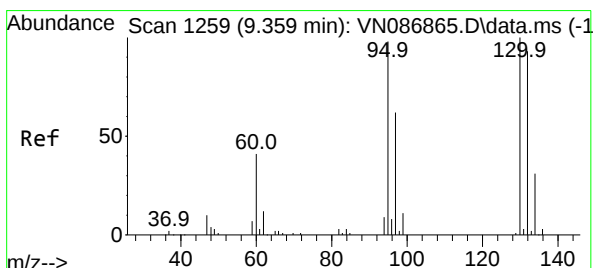
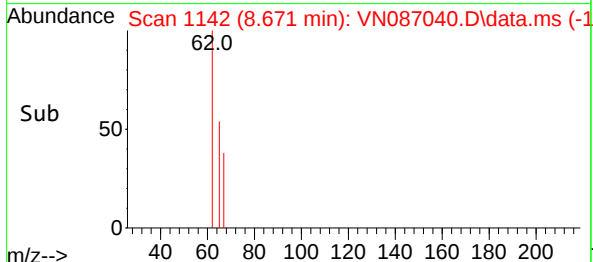
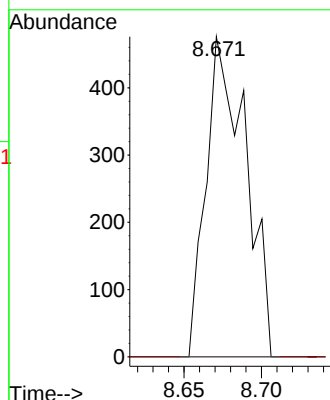
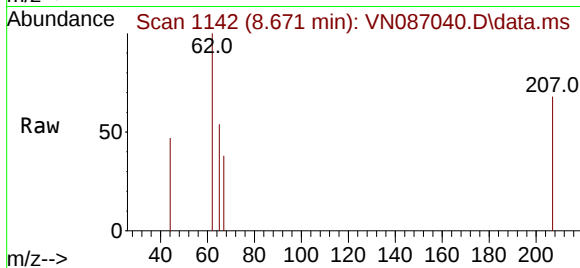
TT190D2-20250611

Tgt Ion: 62 Resp: 847

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.2



#44

Trichloroethene

Concen: 68.684 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN087040.D

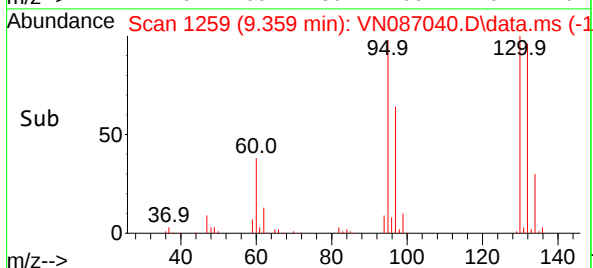
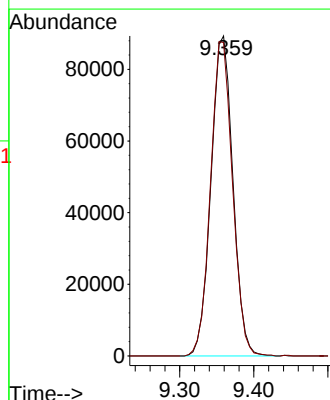
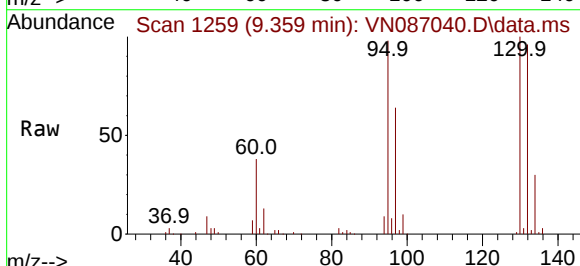
Acq: 16 Jun 2025 18:24

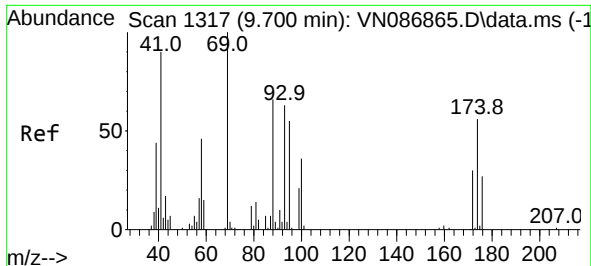
Tgt Ion: 130 Resp: 183374

Ion Ratio Lower Upper

130 100

95 97.9 0.0 196.2





#49

1,4-Dioxane

Concen: 0.951 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN087040.D

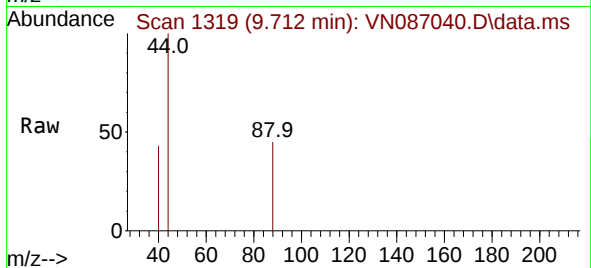
Acq: 16 Jun 2025 18:24

Instrument :

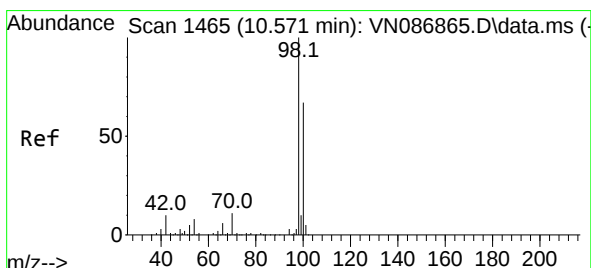
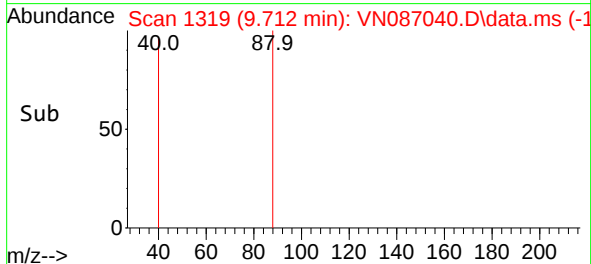
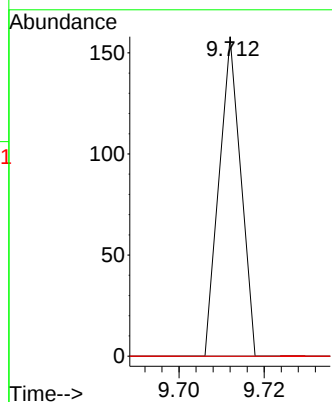
MSVOA_N

ClientSampleId :

TT190D2-20250611



Tgt Ion:	88	Resp:	56
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	57.7	86.5



#50

Toluene-d8

Concen: 52.313 ug/l

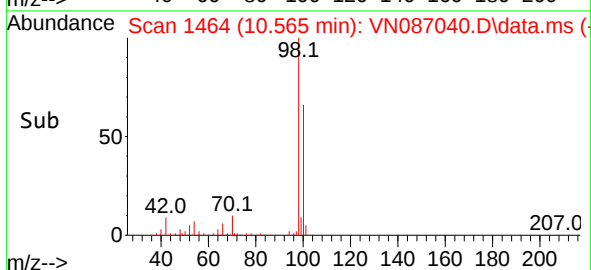
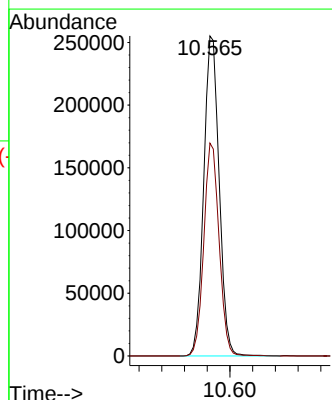
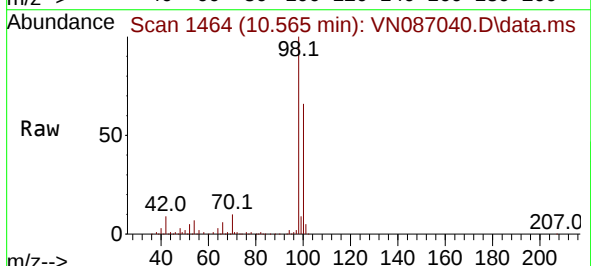
RT: 10.565 min Scan# 1464

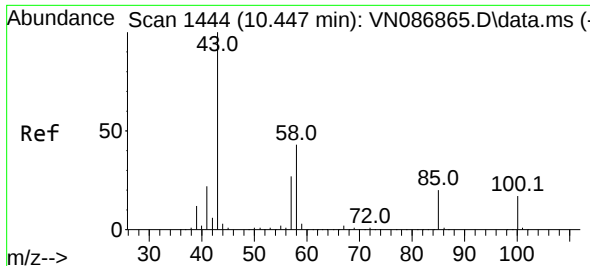
Delta R.T. -0.006 min

Lab File: VN087040.D

Acq: 16 Jun 2025 18:24

Tgt Ion:	98	Resp:	478545
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0

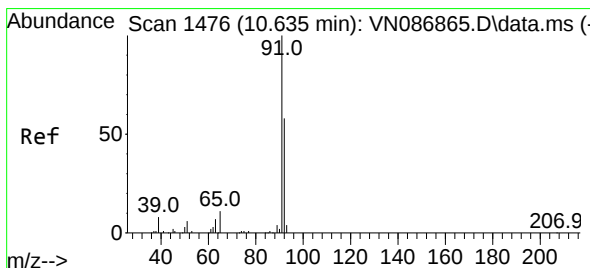
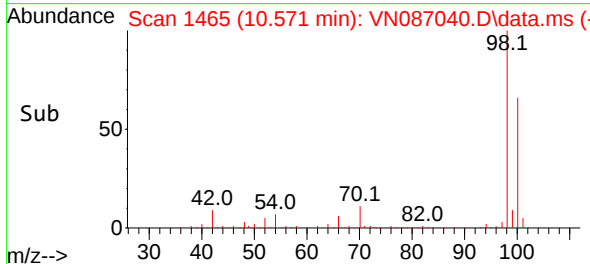
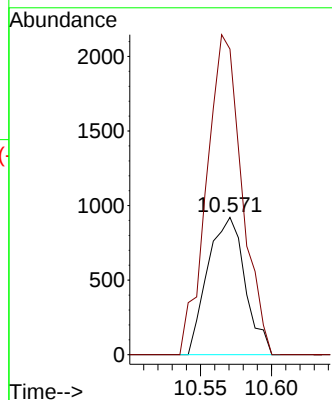
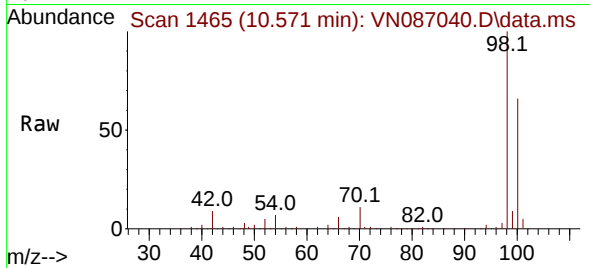




#51
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

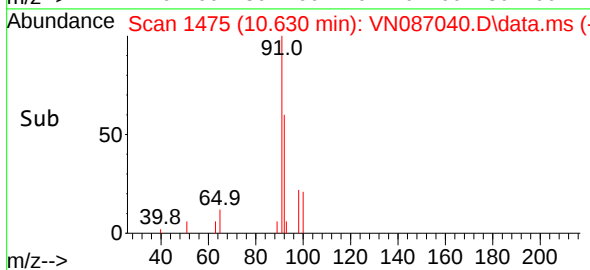
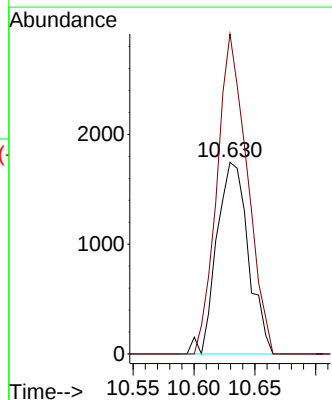
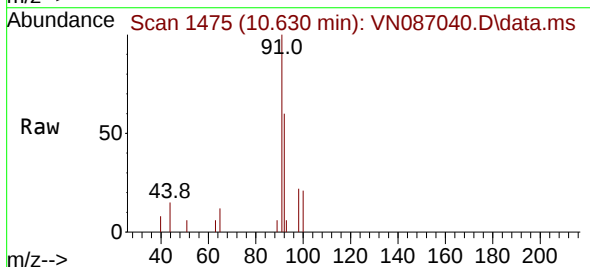
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

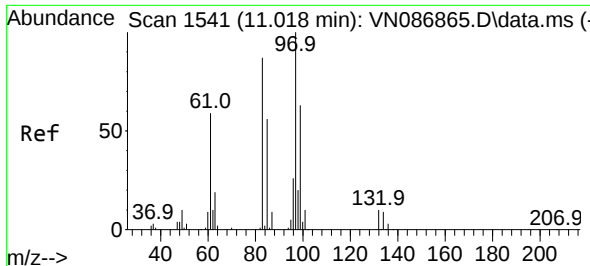
Tgt Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
58 220.5 34.2 51.4#



#52
Toluene
Concen: 0.460 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 92 Resp: 3165
Ion Ratio Lower Upper
92 100
91 159.1 136.5 204.7

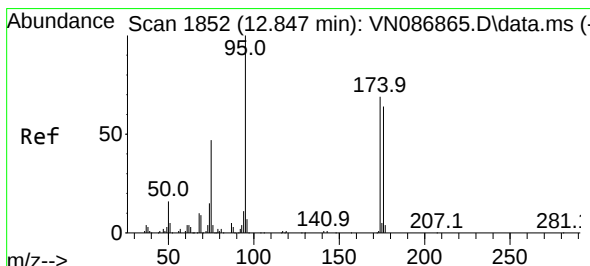
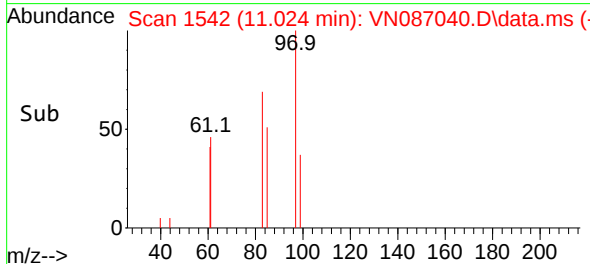
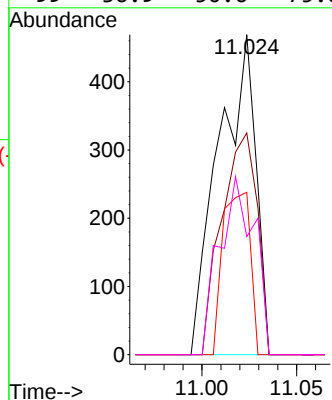
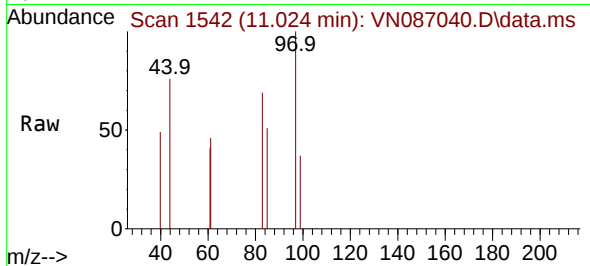




#55
1,1,2-Trichloroethane
Concen: 0.242 ug/l
RT: 11.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

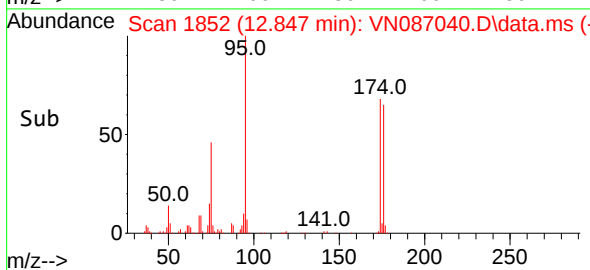
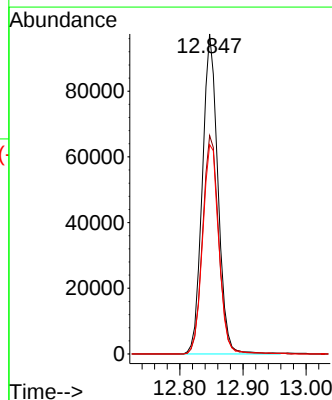
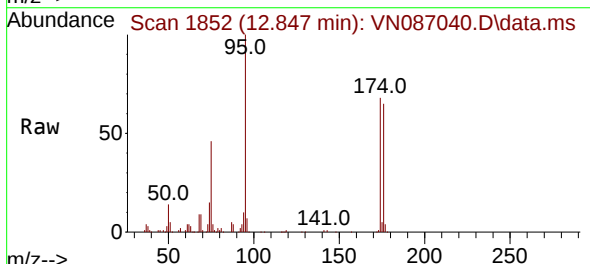
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

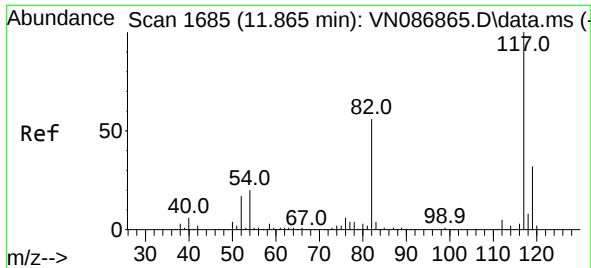
Tgt Ion: 97	Resp: 640
Ion Ratio	Lower Upper
97 100	
83 69.3	69.7 104.5#
85 50.7	45.1 67.7
99 36.9	50.6 75.8#



#62
4-Bromofluorobenzene
Concen: 49.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion: 95	Resp: 166755
Ion Ratio	Lower Upper
95 100	
174 70.7	0.0 141.8
176 68.3	0.0 132.6

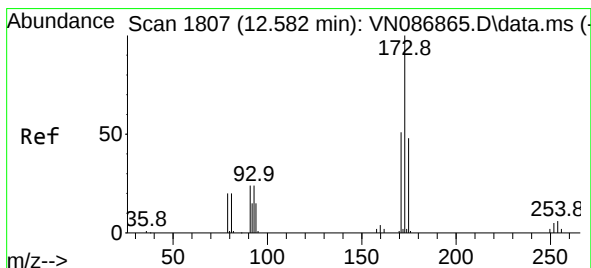
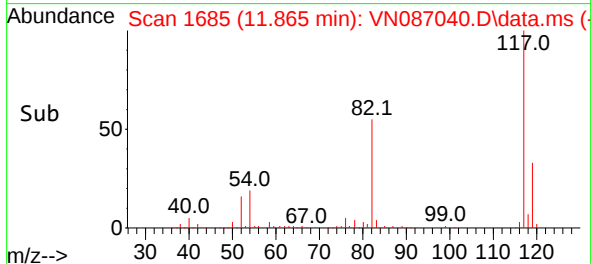
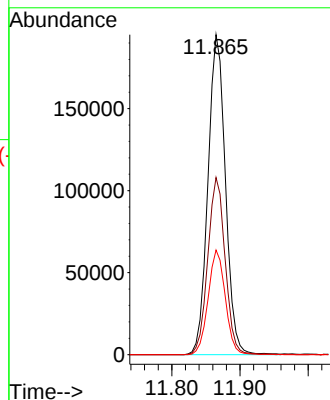
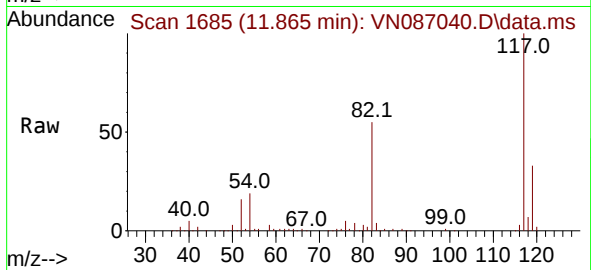




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

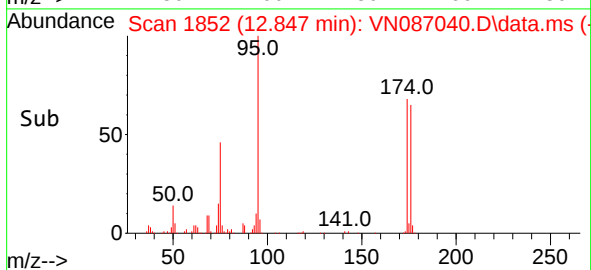
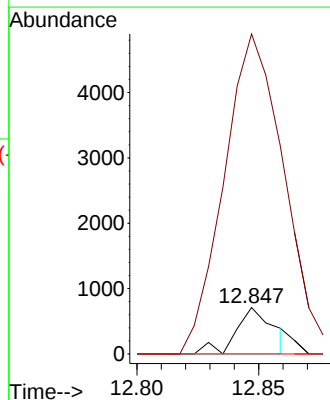
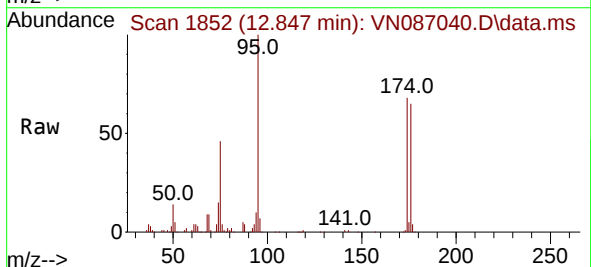
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

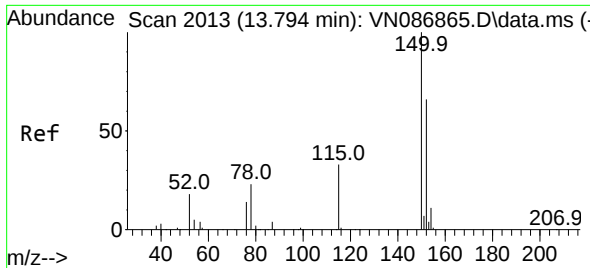
Tgt Ion:117 Resp: 348469
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.7 25.5 38.3



#71
Bromoform
Concen: 0.413 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

Tgt Ion:173 Resp: 756
Ion Ratio Lower Upper
173 100
175 969.4 24.1 72.4#
254 0.0 0.0 0.0

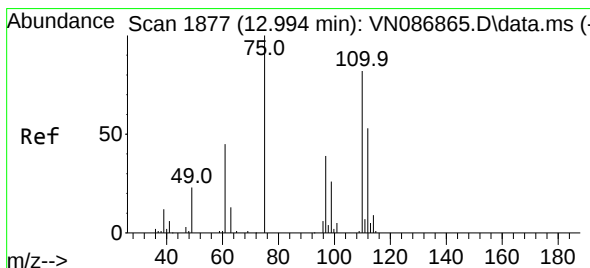
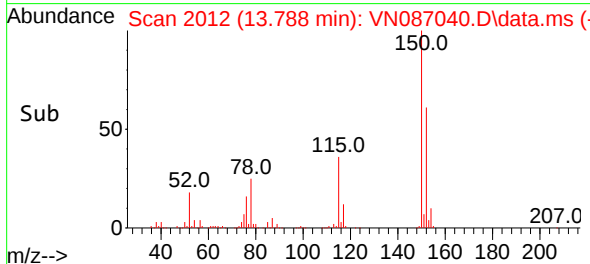
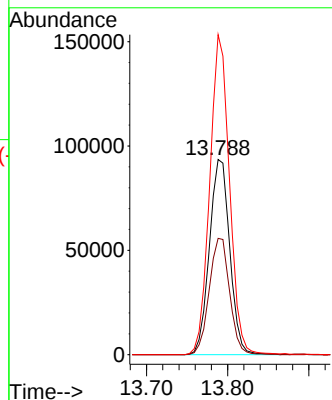
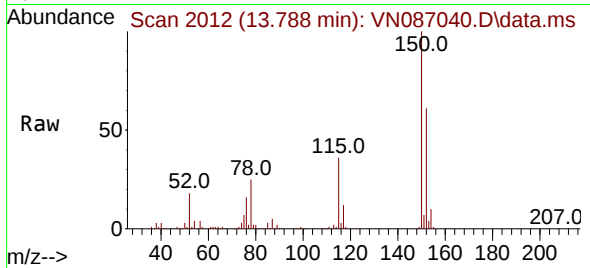




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

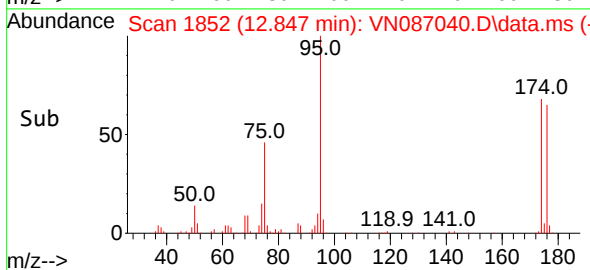
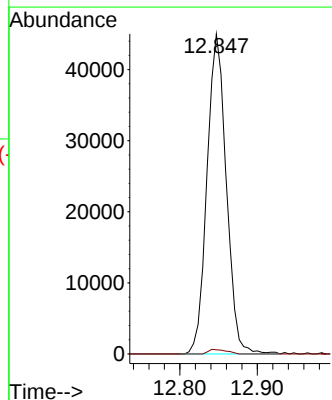
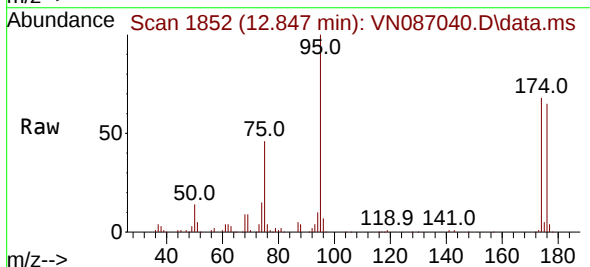
Instrument :
MSVOA_N
ClientSampleId :
TT190D2-20250611

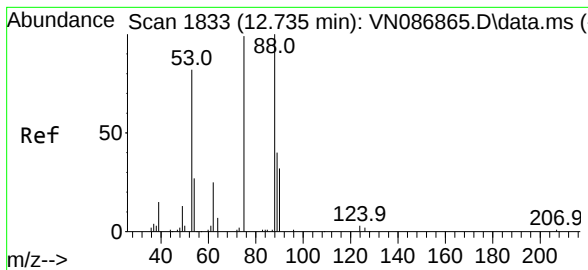
Tgt Ion:152 Resp: 163211
Ion Ratio Lower Upper
152 100
115 59.7 30.1 90.5
150 158.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087040.D
Acq: 16 Jun 2025 18:24

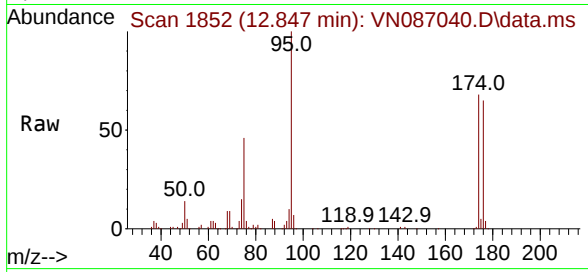
Tgt Ion: 75 Resp: 77858
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.197 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087040.D
 Acq: 16 Jun 2025 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D2-20250611



Tgt Ion: 75 Resp: 77858
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

