

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087059.D
 Acq On : 17 Jun 2025 15:04
 Operator : JC\MD
 Sample : Q2312-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Jun 18 01:49:08 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	8.229	168	209320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	383973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149127	53.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.420%	
35) Dibromofluoromethane	8.171	113	127798	51.331	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.660%	
50) Toluene-d8	10.570	98	520900	52.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.700%	
62) 4-Bromofluorobenzene	12.847	95	185671	50.704	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.400%	

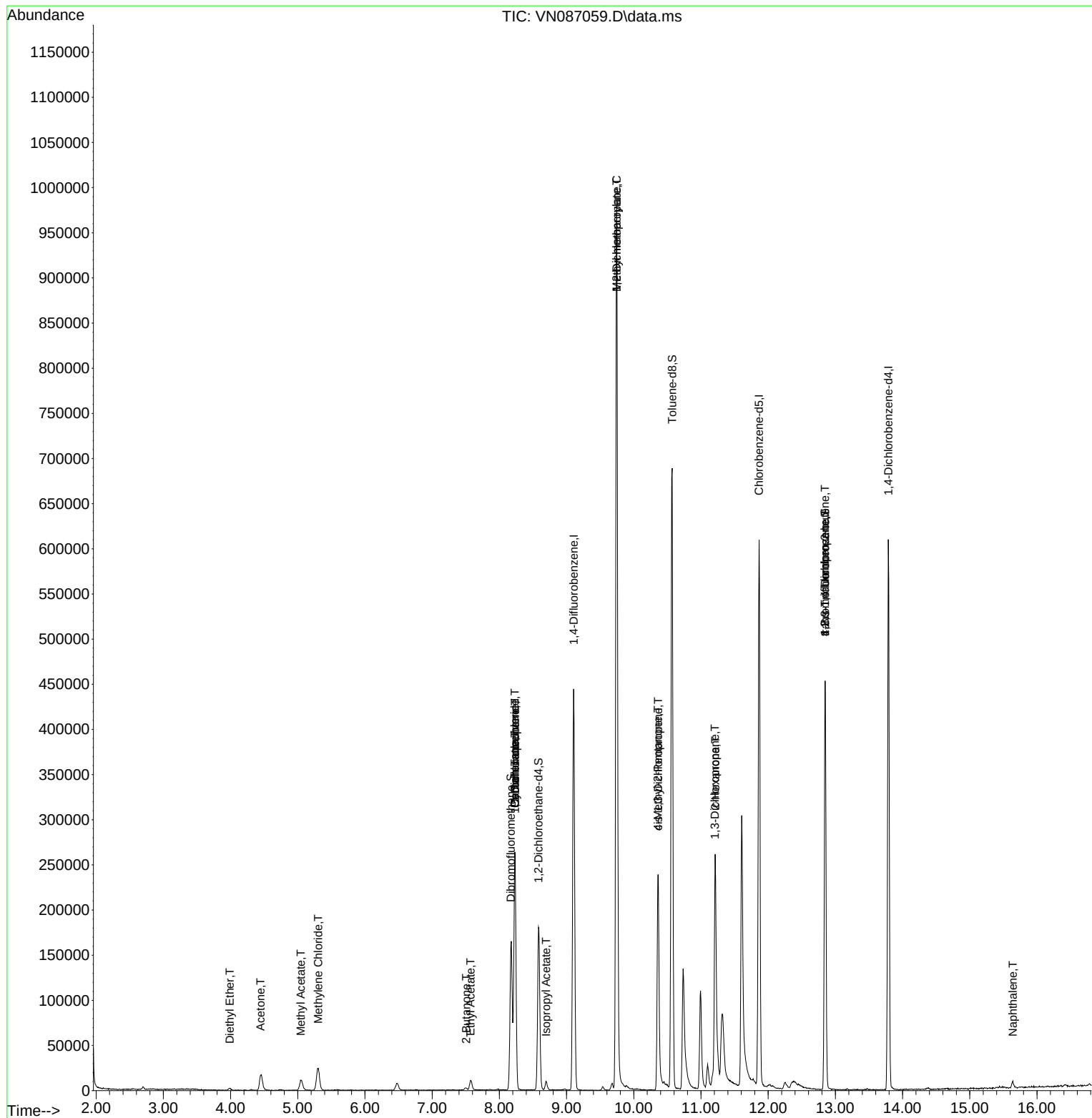
Target Compounds					Qvalue	
8) Diethyl Ether	3.989	74	1519	0.960	ug/l	81
16) Acetone	4.447	43	35373	23.801	ug/l	95
18) Methyl Acetate	5.047	43	24744	5.713	ug/l	100
20) Methylene Chloride	5.306	84	22898	8.229	ug/l	93
25) 2-Butanone	7.506	43	4662	1.930	ug/l	98
31) Cyclohexane	8.229	56	3456	0.760	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	15659	4.221	ug/l #	48
37) Ethyl Acetate	7.571	43	17245	3.652	ug/l	97
38) Carbon Tetrachloride	8.229	117	20730	5.692	ug/l #	17
43) Isopropyl Acetate	8.694	43	11145	1.470	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1472	0.499	ug/l #	43
48) Methyl methacrylate	9.747	41	83180	23.842	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	96141	21.069	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	61358	12.715	ug/l #	54
57) 1,3-Dichloropropane	11.206	76	3994	0.807	ug/l #	43
59) 2-Hexanone	11.212	43	50696	17.247	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	84627	19.894	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84627	45.794	ug/l #	16
95) Naphthalene	15.641	128	7863	0.585	ug/l	96

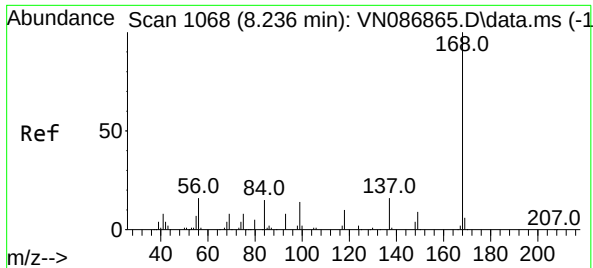
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087059.D
Acq On : 17 Jun 2025 15:04
Operator : JC\MD
Sample : Q2312-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Quant Time: Jun 18 01:49:08 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

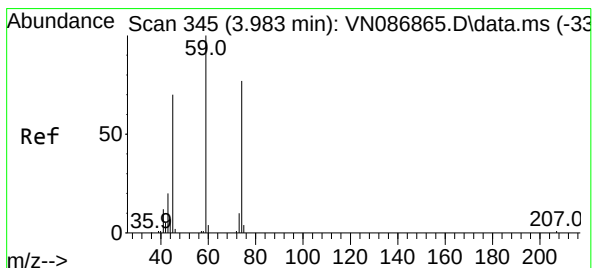
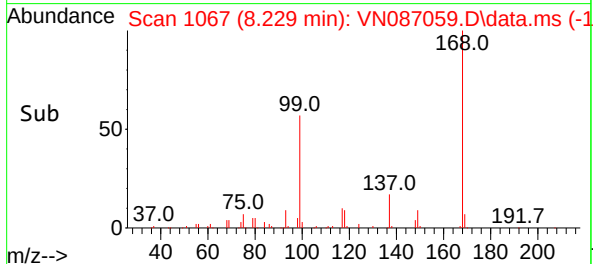
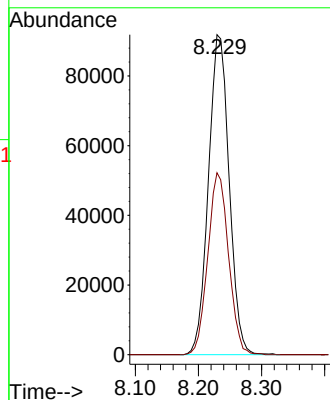
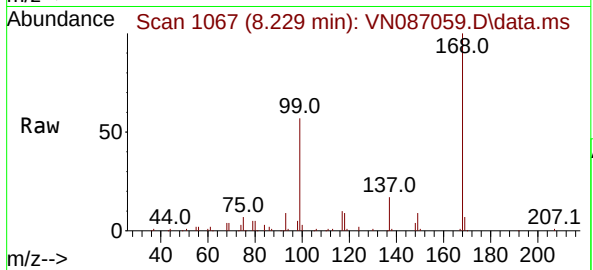




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

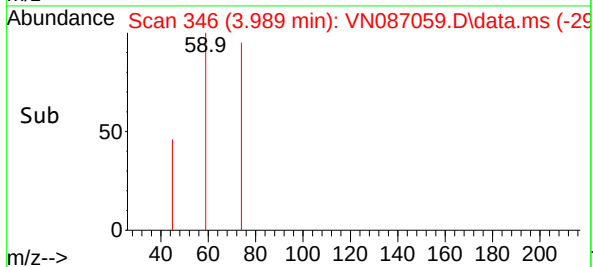
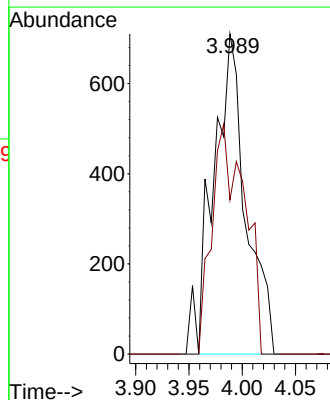
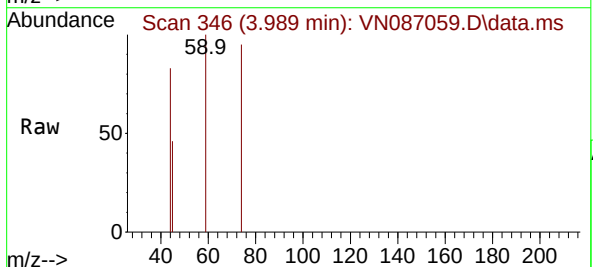
Instrument :
MSVOA_N
ClientSampleId :
TP-1

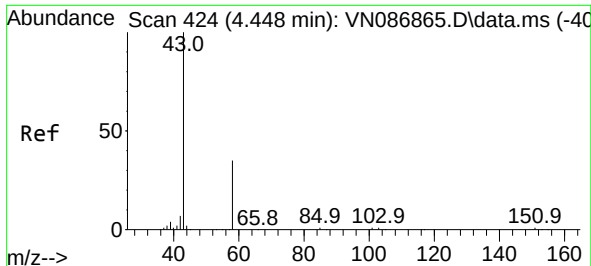
Tgt Ion:168 Resp: 209320
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7



#8
Diethyl Ether
Concen: 0.960 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 74 Resp: 1519
Ion Ratio Lower Upper
74 100
45 72.5 45.5 136.5

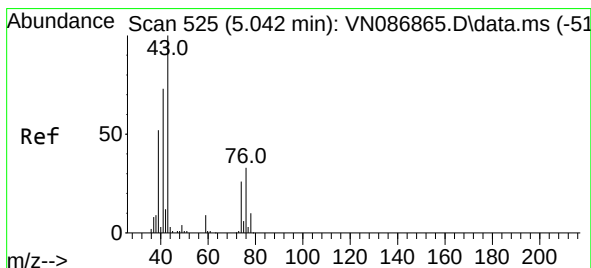
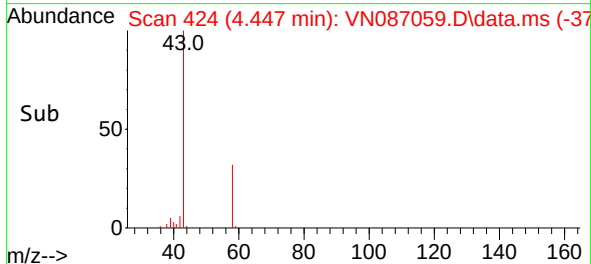
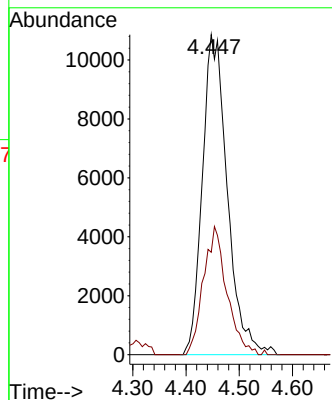
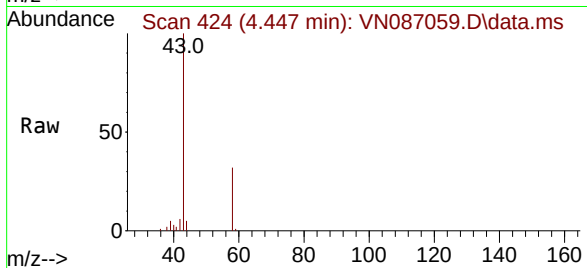




#16
Acetone
Concen: 23.801 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

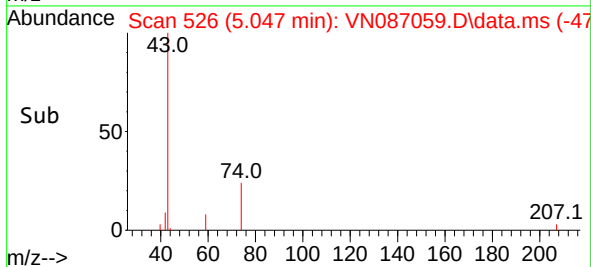
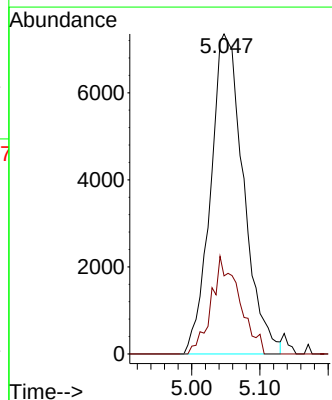
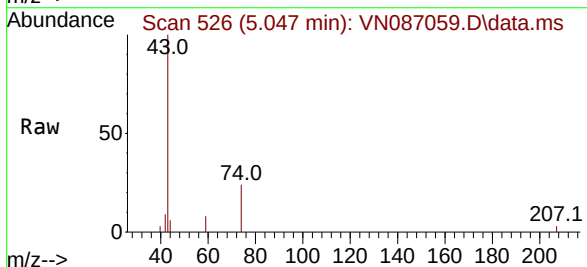
Instrument :
MSVOA_N
ClientSampleId :
TP-1

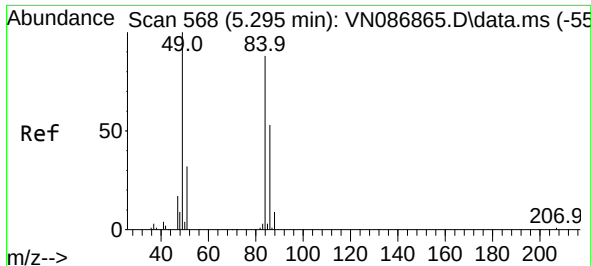
Tgt Ion: 43 Resp: 35373
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



#18
Methyl Acetate
Concen: 5.713 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 43 Resp: 24744
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1

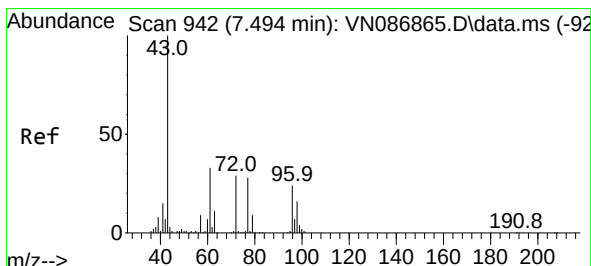
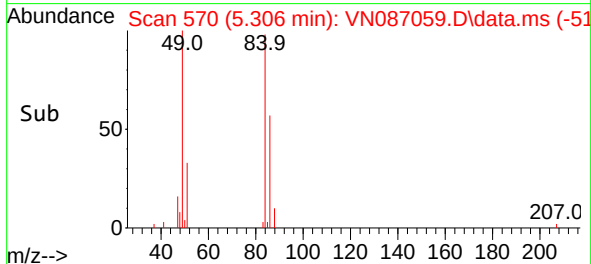
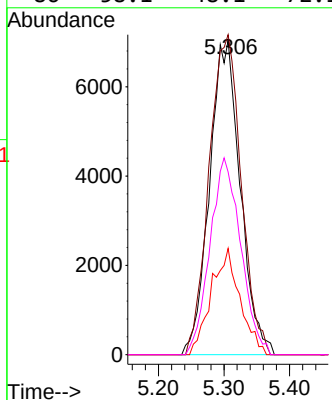
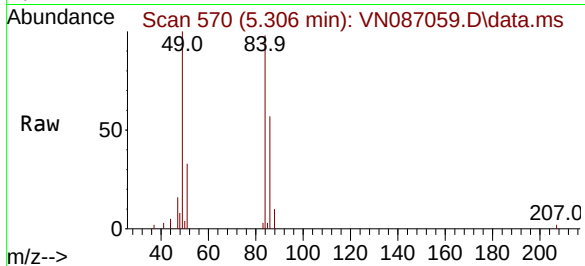




#20
Methylene Chloride
Concen: 8.229 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

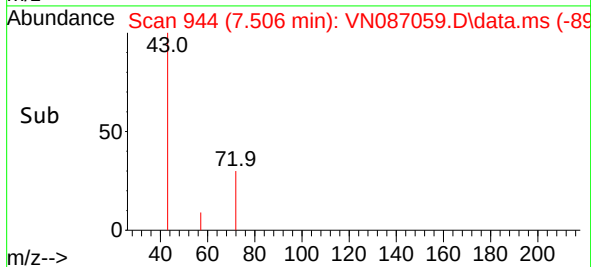
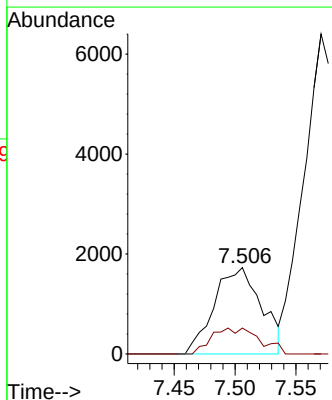
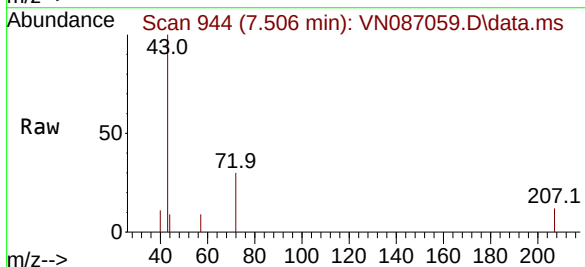
Instrument :
MSVOA_N
ClientSampleId :
TP-1

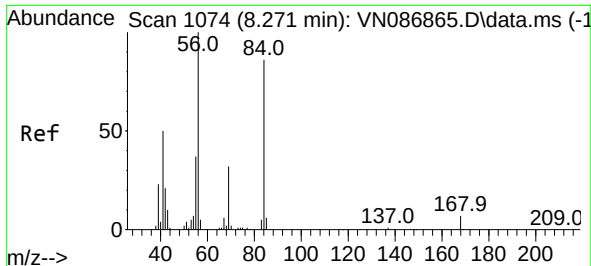
Tgt Ion:	84	Resp:	22898
Ion	Ratio	Lower	Upper
84	100		
49	101.8	90.5	135.7
51	33.8	28.5	42.7
86	58.1	48.1	72.1



#25
2-Butanone
Concen: 1.930 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion:	43	Resp:	4662
Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.0	34.6

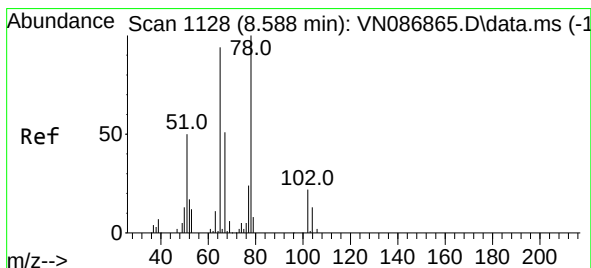
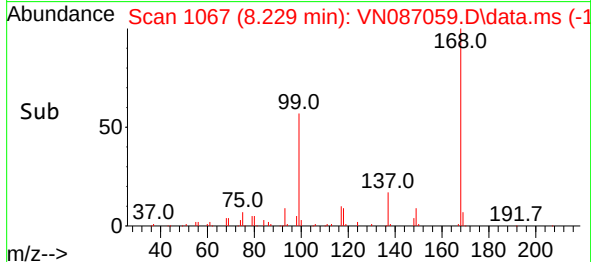
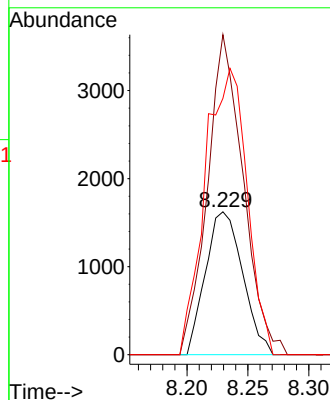
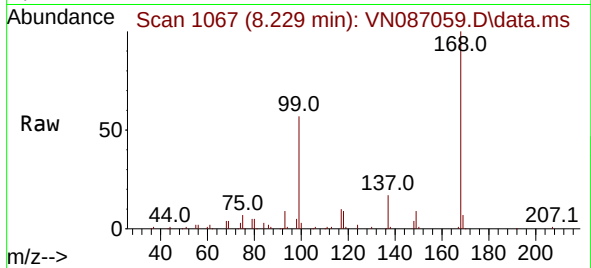




#31
Cyclohexane
Concen: 0.760 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

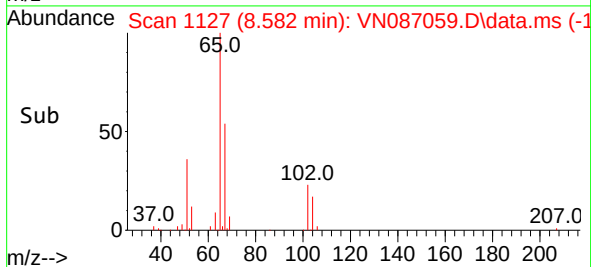
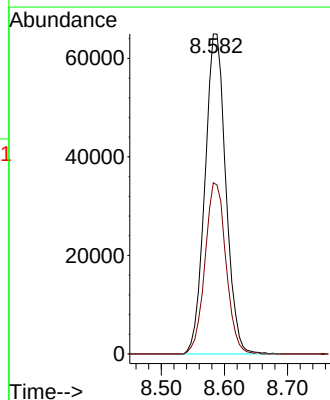
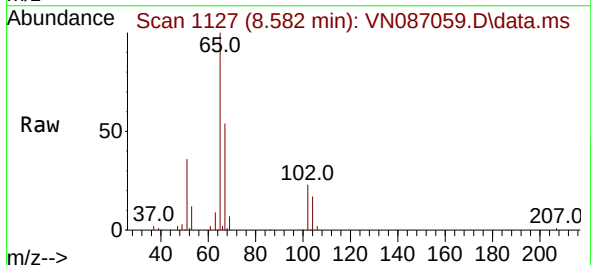
Instrument :
MSVOA_N
ClientSampleId :
TP-1

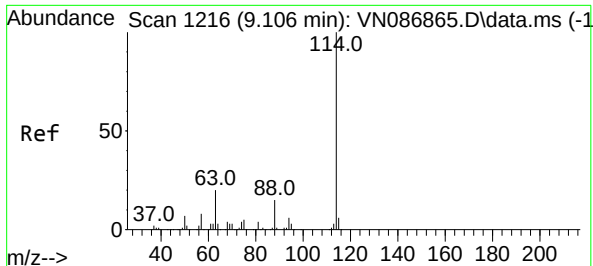
Tgt Ion: 56 Resp: 3456
Ion Ratio Lower Upper
56 100
69 223.8 25.4 38.0#
84 179.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 53.211 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 65 Resp: 149127
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

TP-1

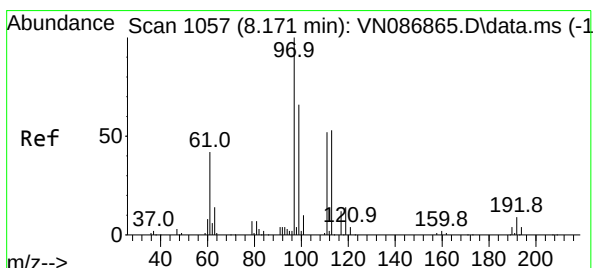
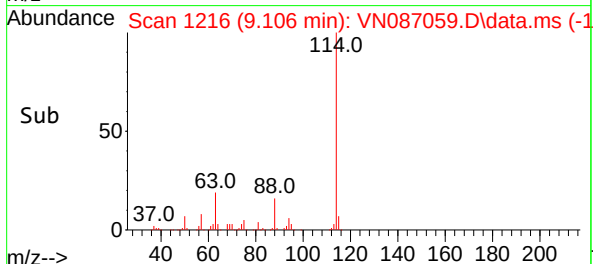
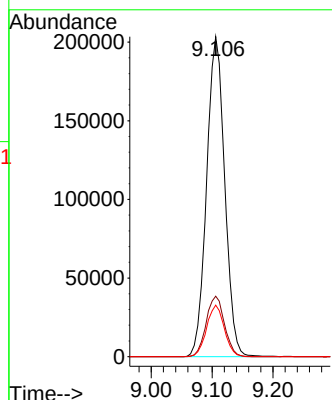
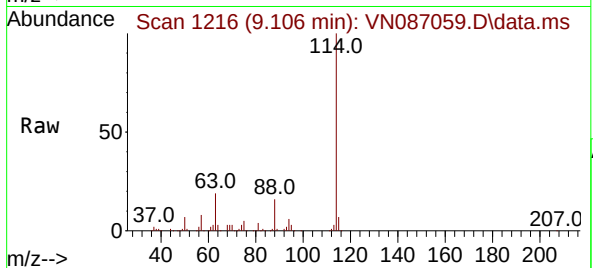
Tgt Ion:114 Resp: 420116

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 16.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.331 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

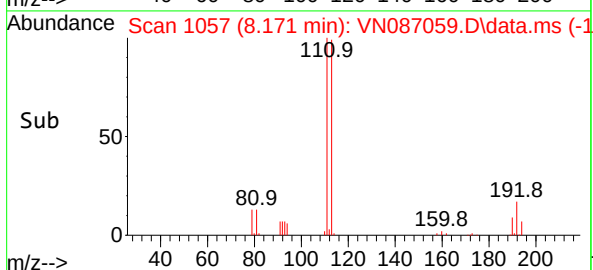
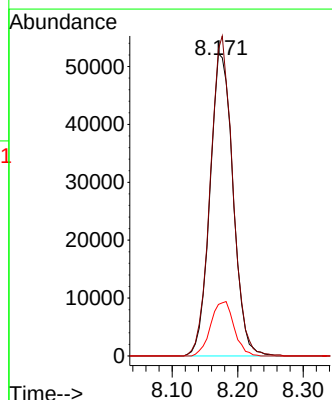
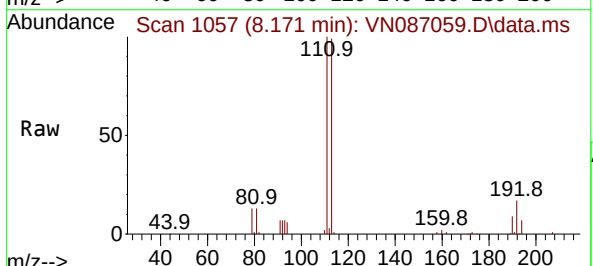
Tgt Ion:113 Resp: 127798

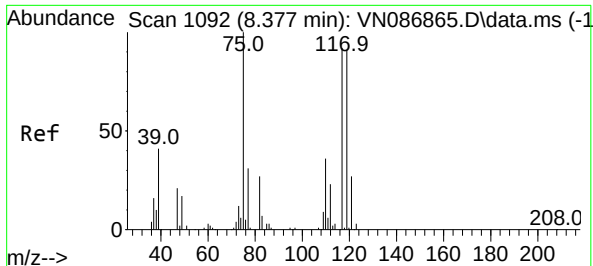
Ion Ratio Lower Upper

113 100

111 102.7 84.2 126.2

192 18.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

TP-1

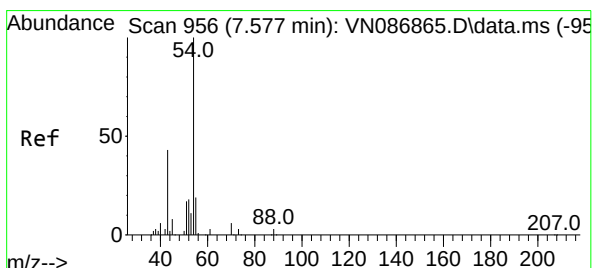
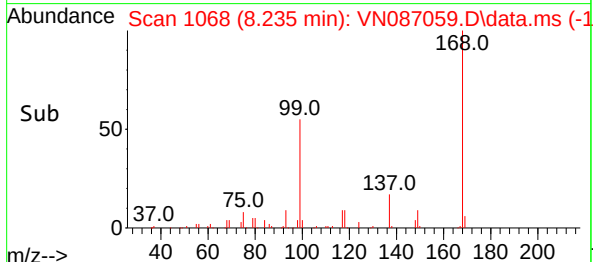
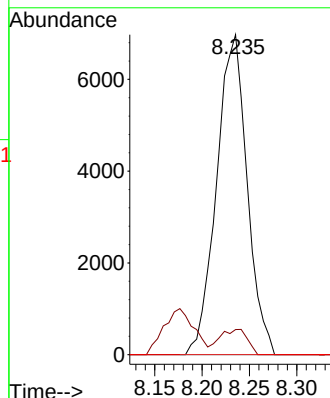
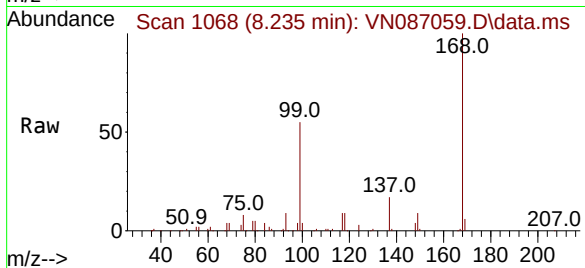
Tgt Ion: 75 Resp: 15659

Ion Ratio Lower Upper

75 100

110 7.2 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 3.652 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

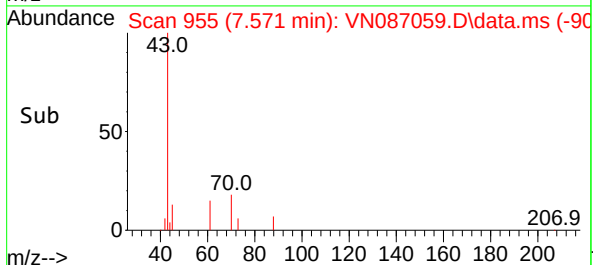
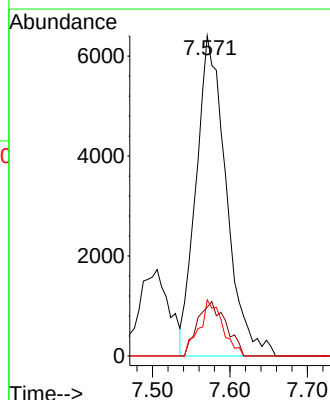
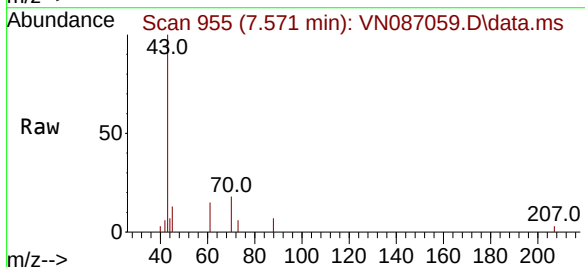
Tgt Ion: 43 Resp: 17245

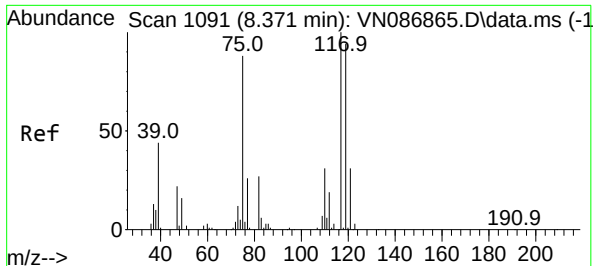
Ion Ratio Lower Upper

43 100

61 16.1 12.1 18.1

70 13.6 9.8 14.6

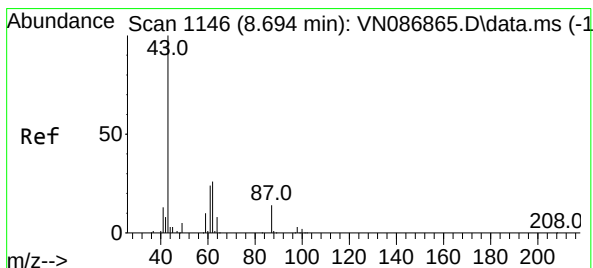
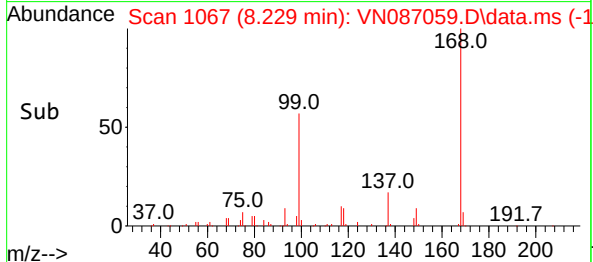
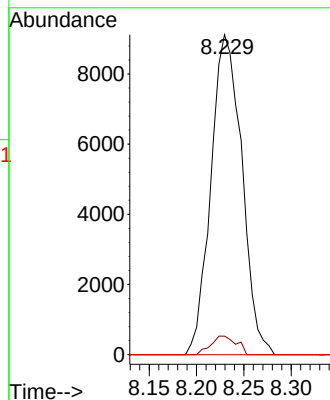
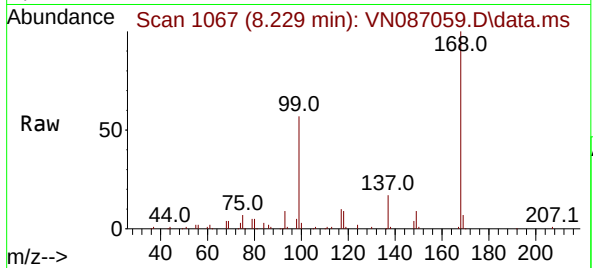




#38
Carbon Tetrachloride
Concen: 5.692 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

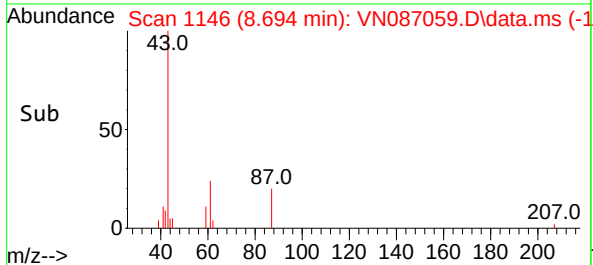
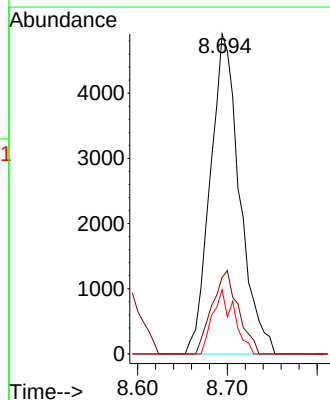
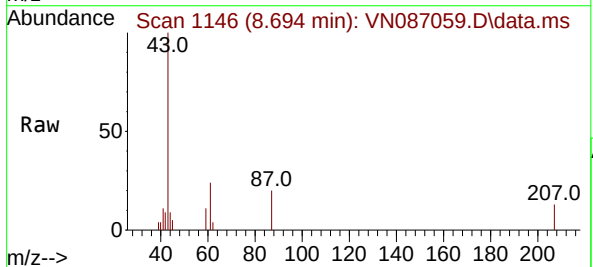
Instrument :
MSVOA_N
ClientSampleId :
TP-1

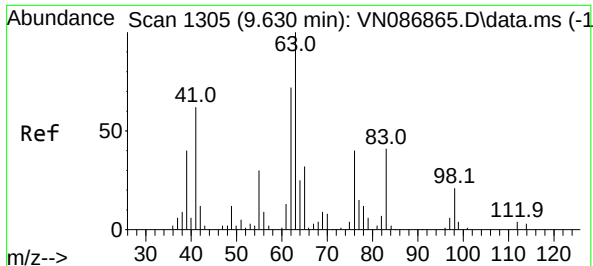
Tgt Ion:117 Resp: 20730
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.470 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 43 Resp: 11145
Ion Ratio Lower Upper
43 100
61 23.3 22.1 33.1
87 14.9 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.117 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

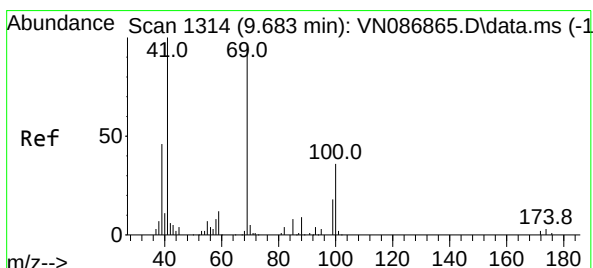
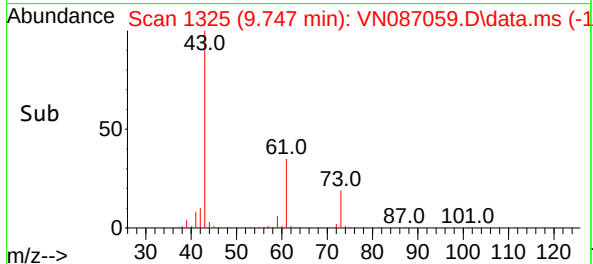
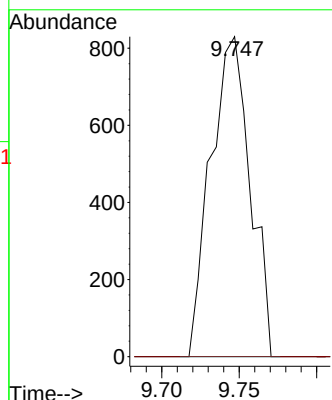
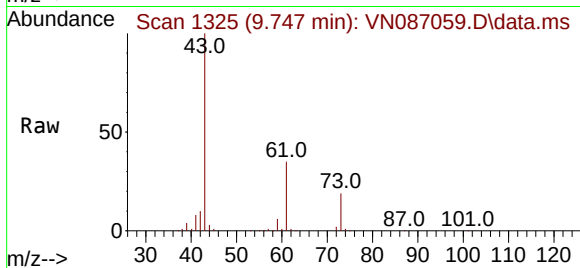
TP-1

Tgt Ion: 63 Resp: 1472

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 23.842 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.064 min

Lab File: VN087059.D

Acq: 17 Jun 2025 15:04

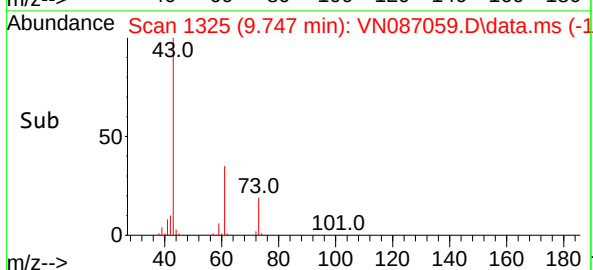
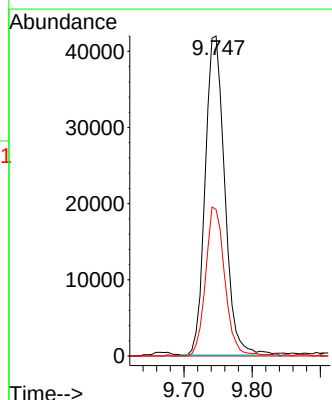
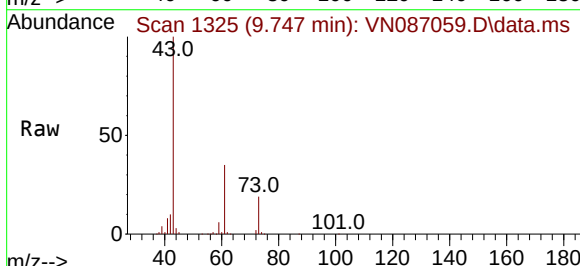
Tgt Ion: 41 Resp: 83180

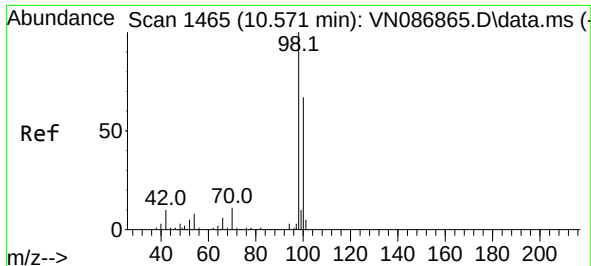
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 46.0 40.2 60.4

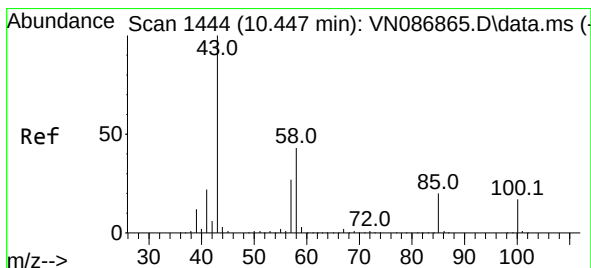
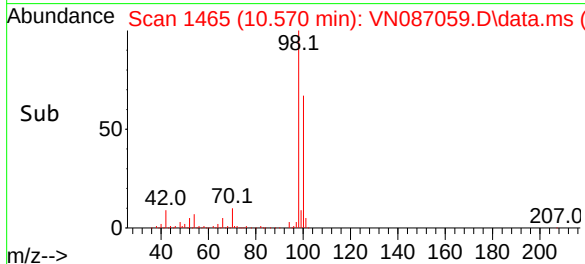
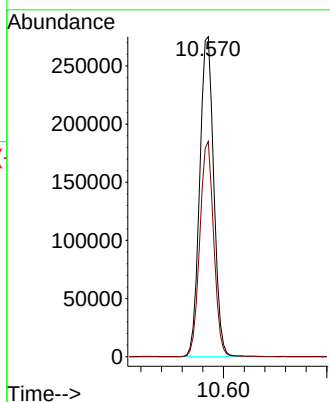
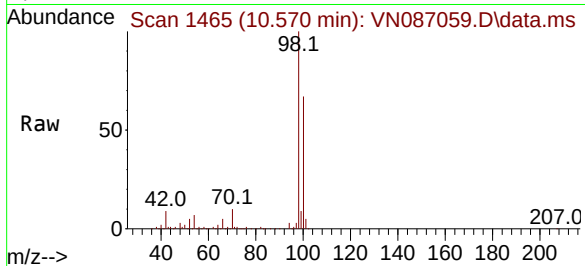




#50
Toluene-d8
Concen: 52.851 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

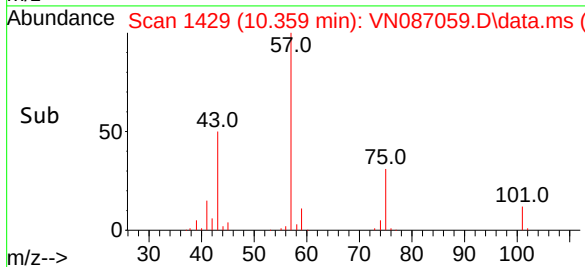
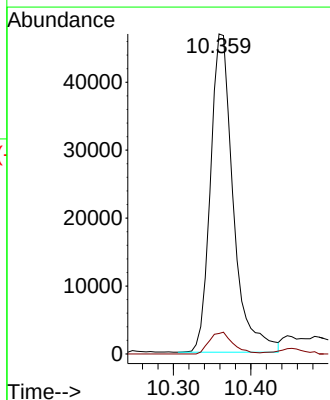
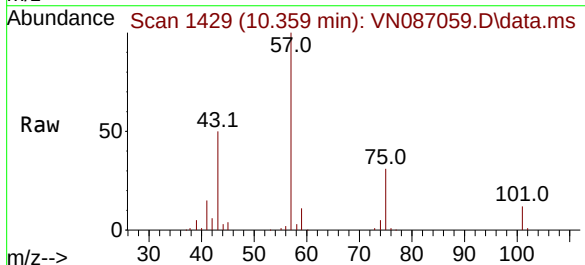
Instrument :
MSVOA_N
ClientSampleId :
TP-1

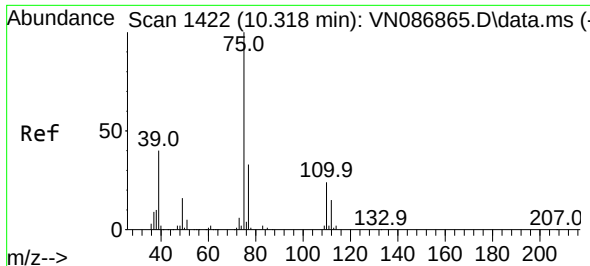
Tgt Ion: 98 Resp: 520900
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 21.069 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 43 Resp: 96141
Ion Ratio Lower Upper
43 100
58 7.1 34.2 51.4#

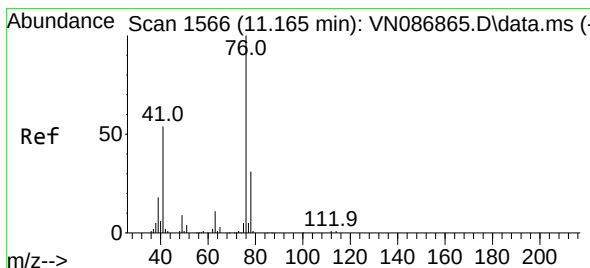
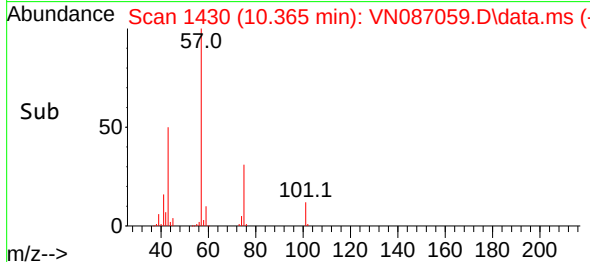
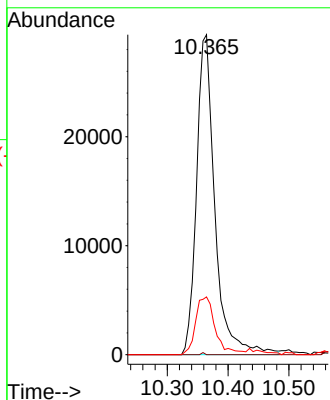
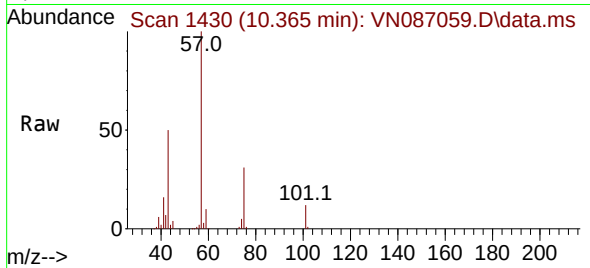




#54
cis-1,3-Dichloropropene
Concen: 12.715 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

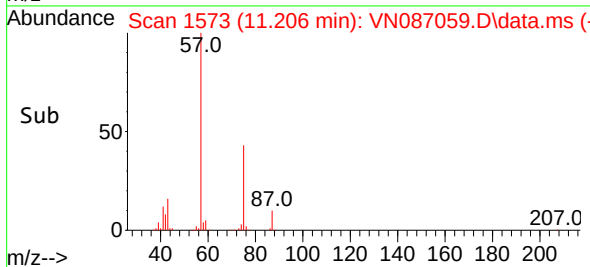
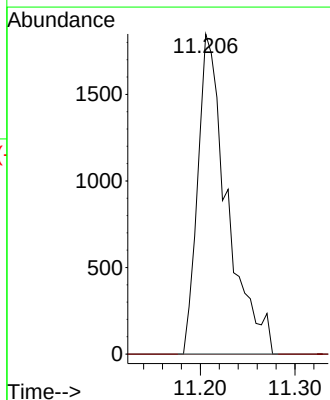
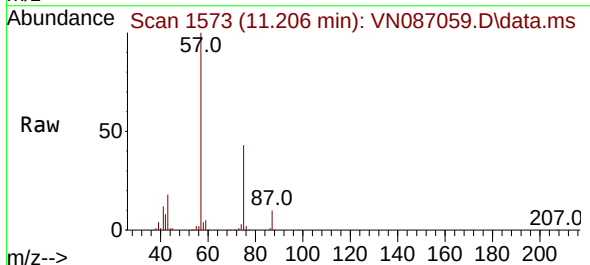
Instrument :
MSVOA_N
ClientSampleId :
TP-1

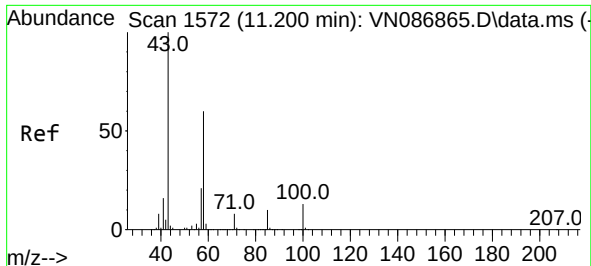
Tgt Ion:	75	Resp:	61358
Ion Ratio	Lower	Upper	
75	100		
77	0.0	26.2	39.4#
39	18.0	32.3	48.5#



#57
1,3-Dichloropropane
Concen: 0.807 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion:	76	Resp:	3994
Ion Ratio	Lower	Upper	
76	100		
78	0.0	25.3	37.9#

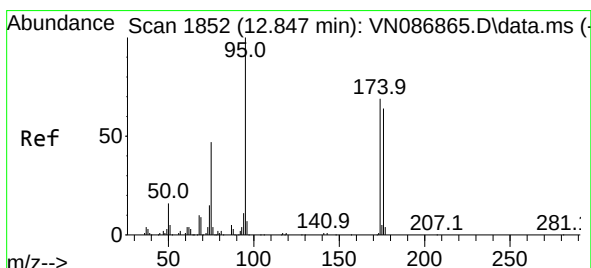
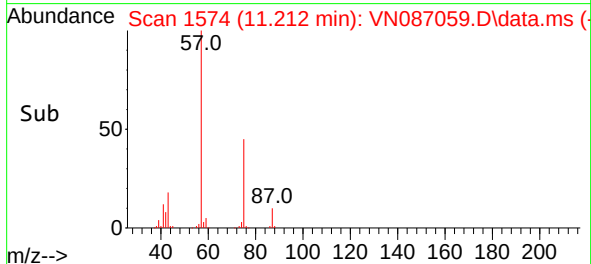
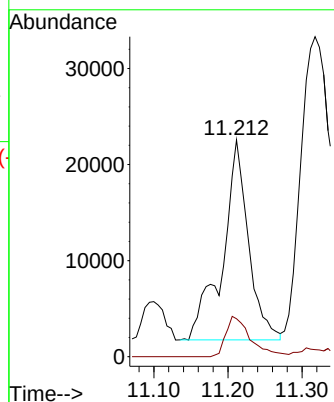
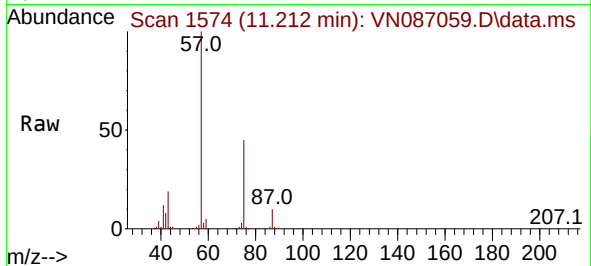




#59
2-Hexanone
Concen: 17.247 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

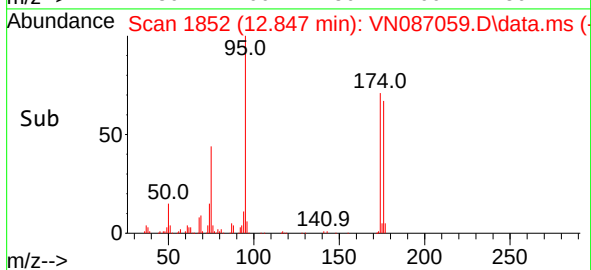
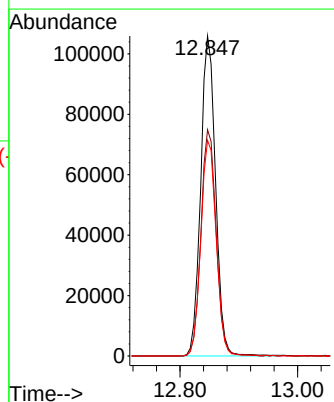
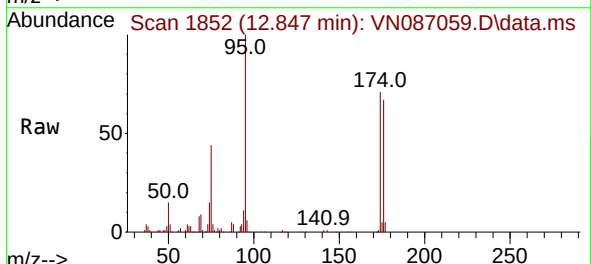
Instrument :
MSVOA_N
ClientSampleId :
TP-1

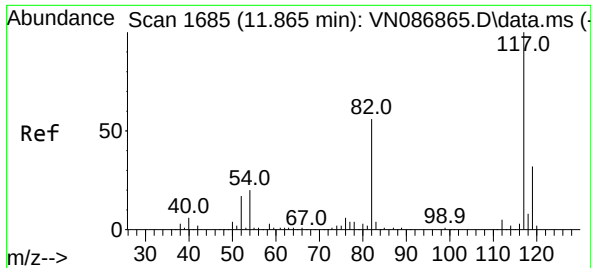
Tgt Ion: 43 Resp: 50696
Ion Ratio Lower Upper
43 100
58 19.3 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 95 Resp: 185671
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 69.2 0.0 132.6

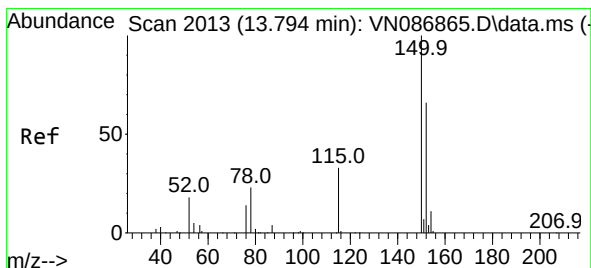
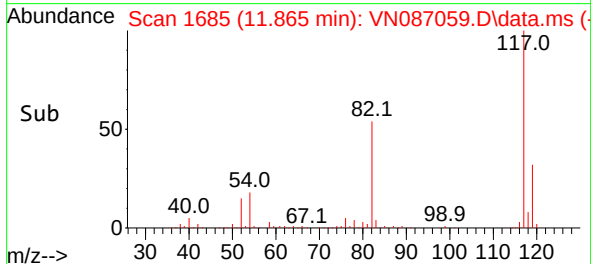
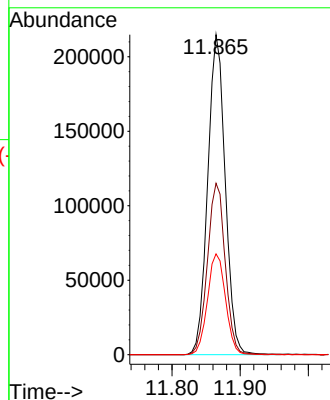
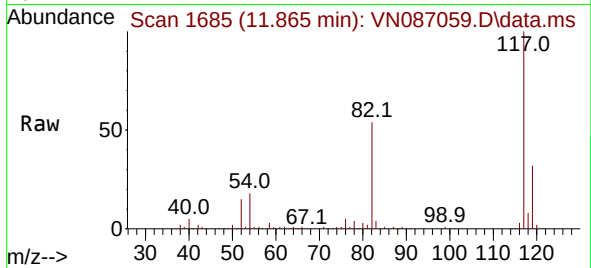




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

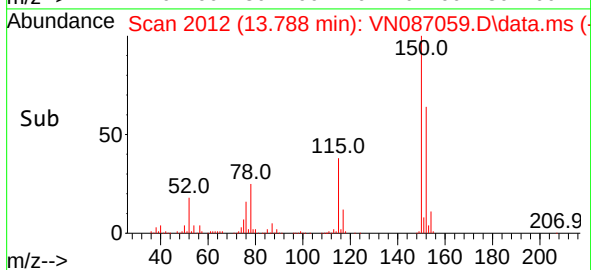
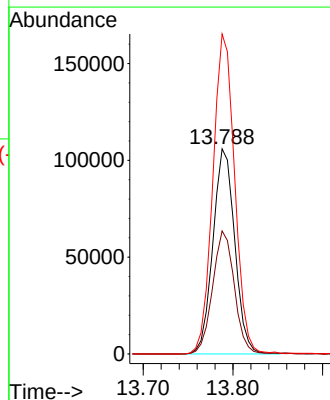
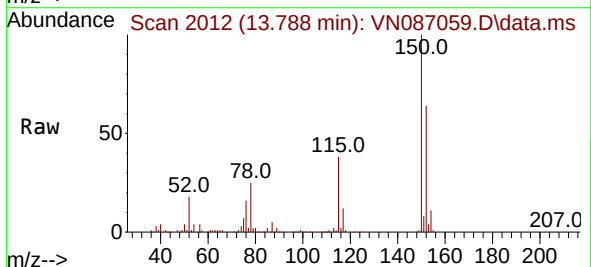
Instrument :
MSVOA_N
ClientSampleId :
TP-1

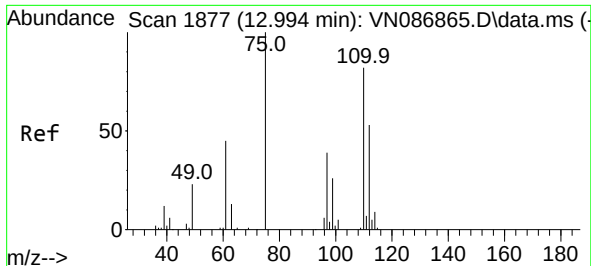
Tgt Ion:117 Resp: 383973
Ion Ratio Lower Upper
117 100
82 53.6 44.6 67.0
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion:152 Resp: 178960
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 156.5 0.0 345.0

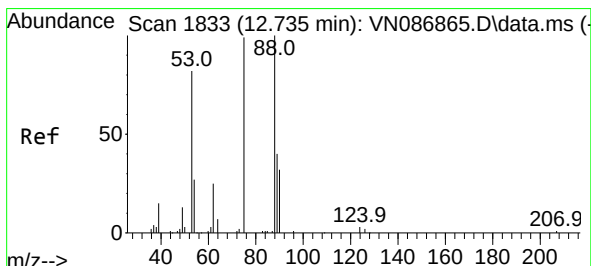
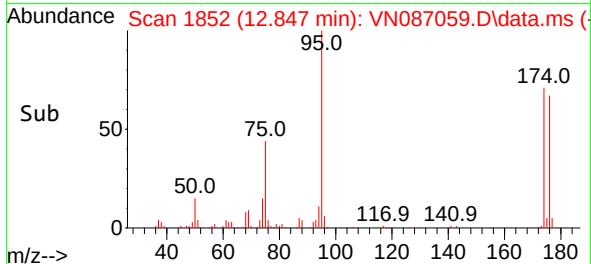
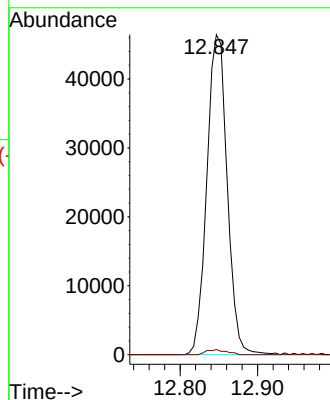
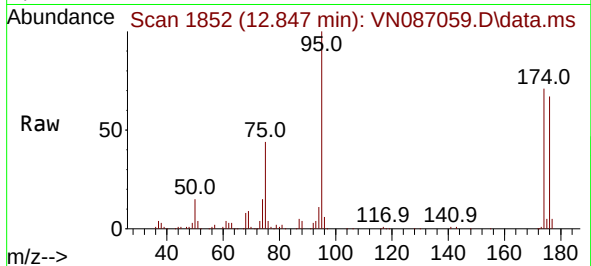




#76
1,2,3-Trichloropropane
Concen: 19.894 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

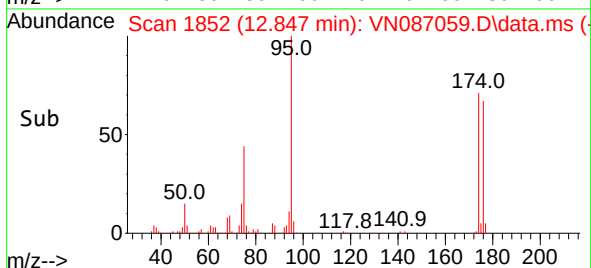
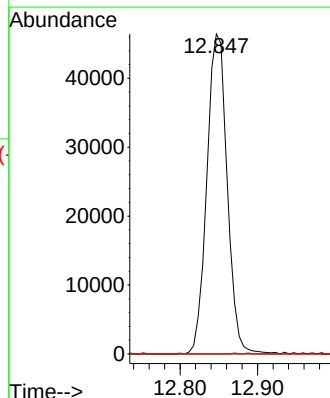
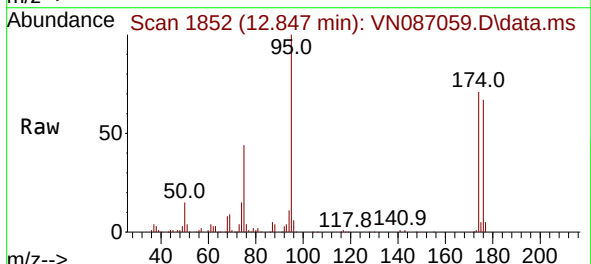
Instrument :
MSVOA_N
ClientSampleId :
TP-1

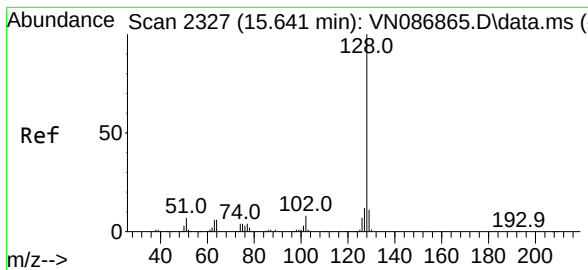
Tgt Ion: 75 Resp: 84627
Ion Ratio Lower Upper
75 100
77 1.6 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.794 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Tgt Ion: 75 Resp: 84627
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#





#95
Naphthalene
Concen: 0.585 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087059.D
Acq: 17 Jun 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion:	128	Resp:	7863
Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.2	15.2
129	11.9	8.8	13.2

