

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087273.D
 Acq On : 03 Jul 2025 15:49
 Operator : JC\MD
 Sample : Q2487-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G1(10)

Quant Time: Jul 04 01:33:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

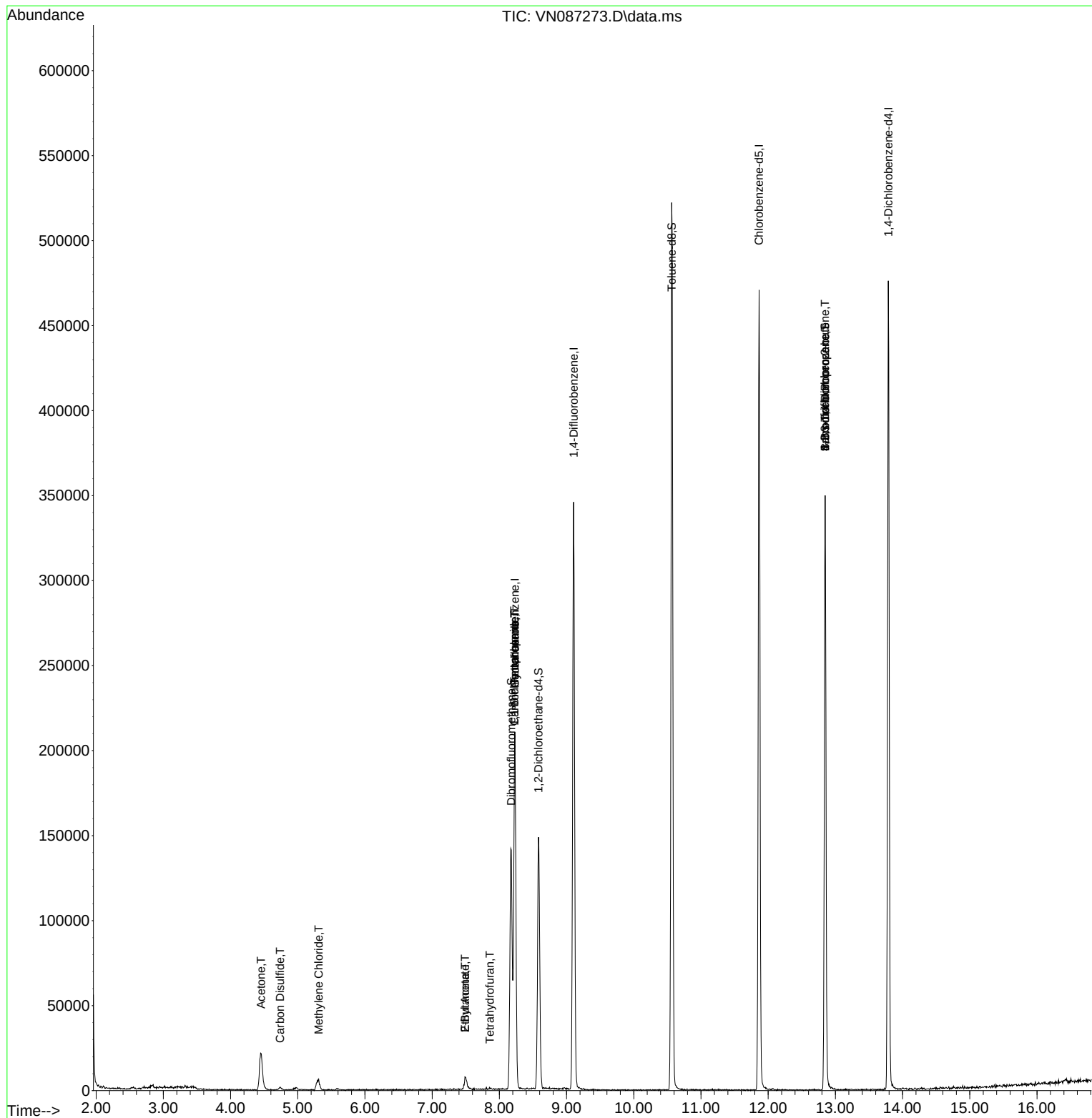
Internal Standards						
1) Pentafluorobenzene	8.230	168	163586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121959	59.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.800%	
35) Dibromofluoromethane	8.177	113	106346	53.146	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	10.565	98	375537	48.148	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.300%	
62) 4-Bromofluorobenzene	12.847	95	125049	45.060	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.120%	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	44421	56.592	ug/l	100
17) Carbon Disulfide	4.736	76	1815	0.398	ug/l #	76
20) Methylene Chloride	5.312	84	5436	3.126	ug/l #	96
25) 2-Butanone	7.488	43	12800	10.435	ug/l	98
29) Tetrahydrofuran	7.859	42	417	0.528	ug/l #	34
31) Cyclohexane	8.230	56	3693	1.321	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	11691	4.296	ug/l #	48
37) Ethyl Acetate	7.488	43	12800	4.376	ug/l #	67
38) Carbon Tetrachloride	8.224	117	16116	5.227	ug/l #	16
71) Bromoform	12.847	173	973	0.563	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	61611	23.327	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61611	54.792	ug/l #	14

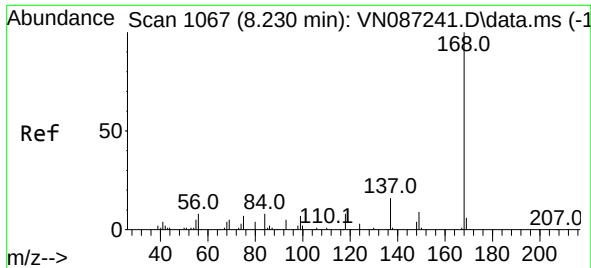
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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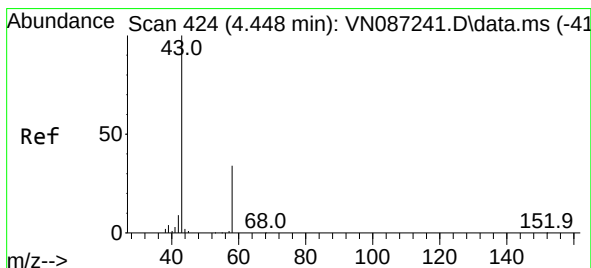
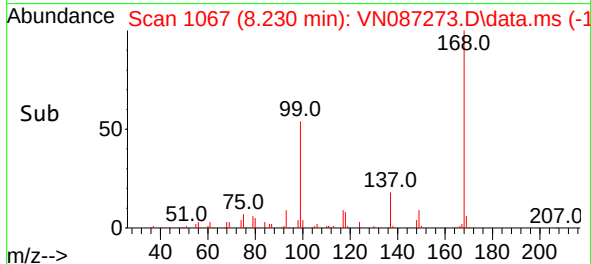
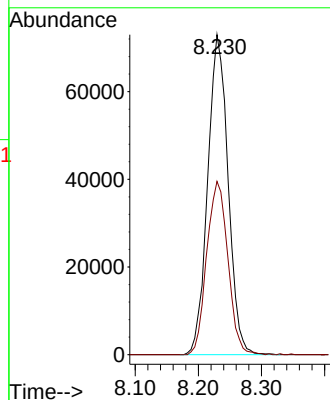
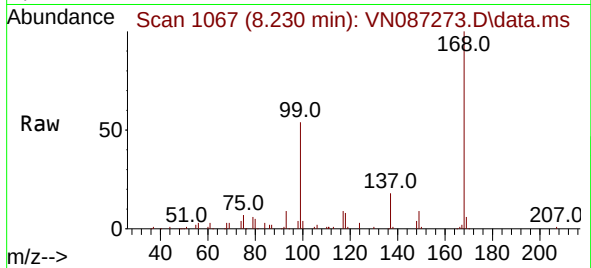




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

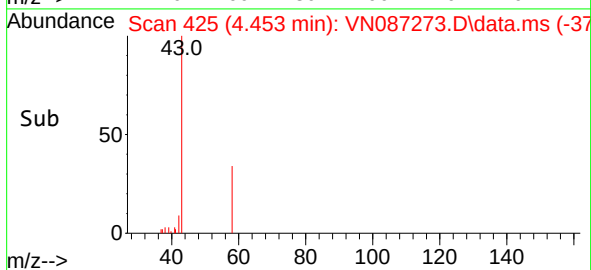
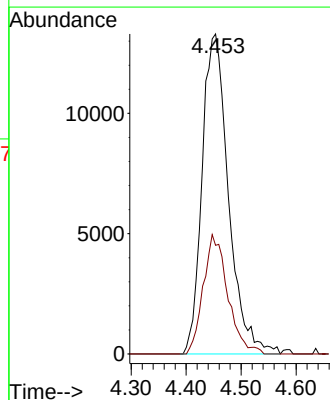
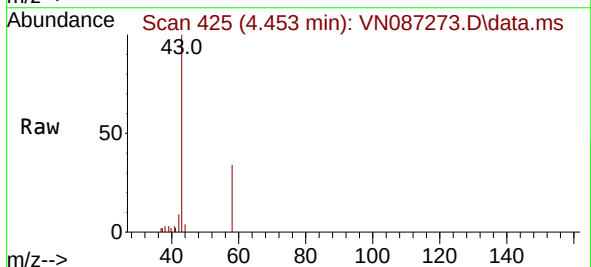
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

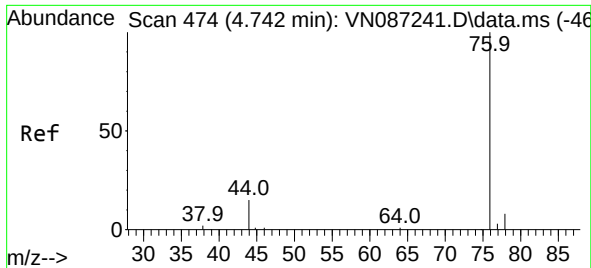
Tgt Ion:168 Resp: 163586
Ion Ratio Lower Upper
168 100
99 54.1 42.6 64.0



#16
Acetone
Concen: 56.592 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 43 Resp: 44421
Ion Ratio Lower Upper
43 100
58 34.0 27.1 40.7

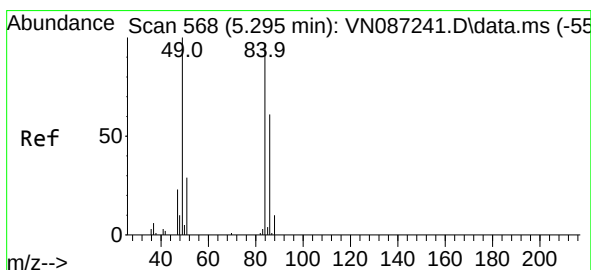
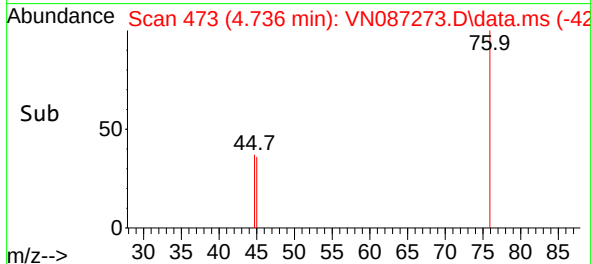
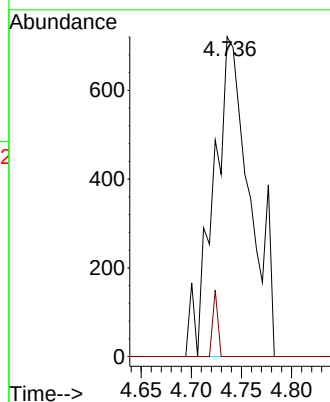
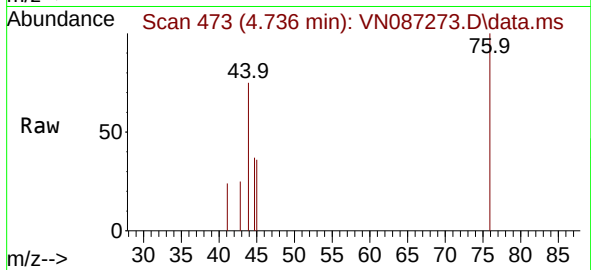




#17
Carbon Disulfide
Concen: 0.398 ug/l
RT: 4.736 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

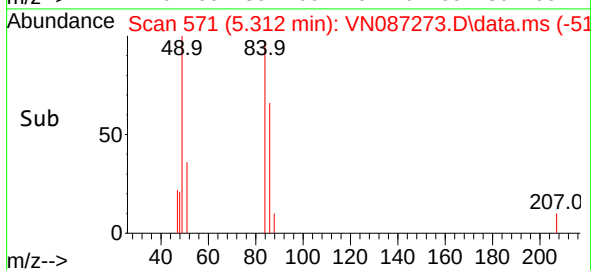
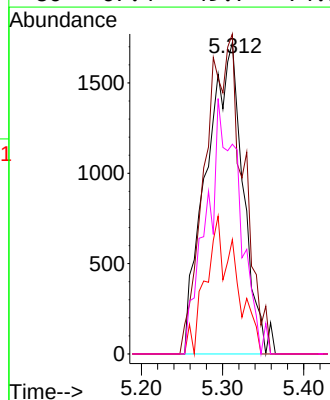
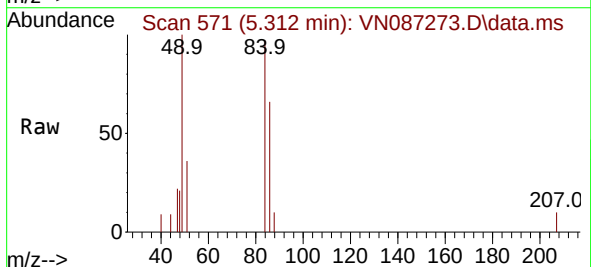
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

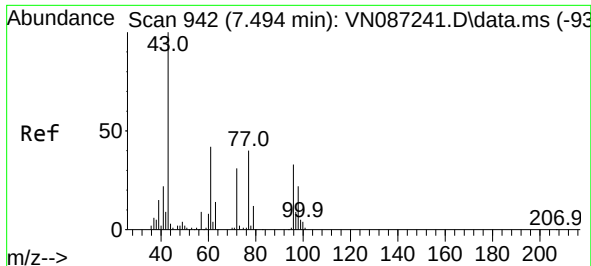
Tgt Ion: 76 Resp: 1815
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 3.126 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 84 Resp: 5436
Ion Ratio Lower Upper
84 100
49 102.8 82.1 123.1
51 36.7 23.5 35.3#
86 67.4 49.7 74.5

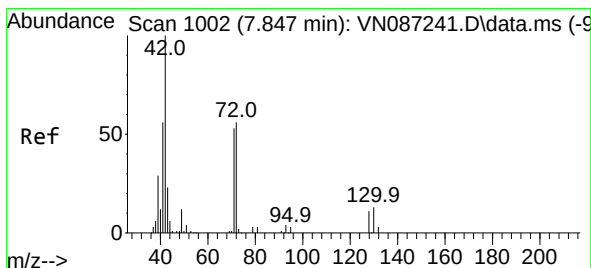
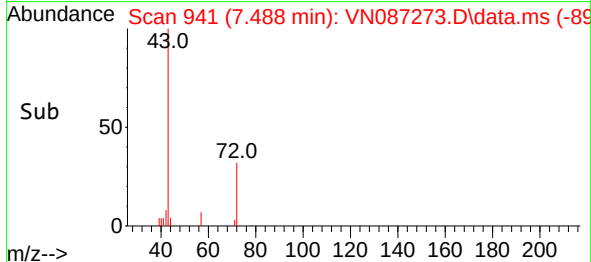
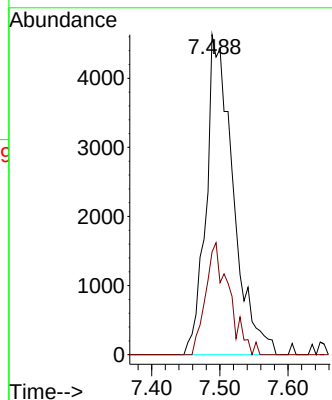
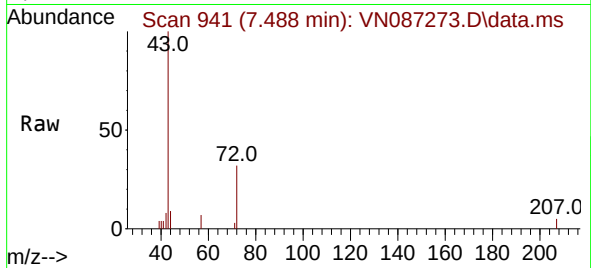




#25
2-Butanone
Concen: 10.435 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

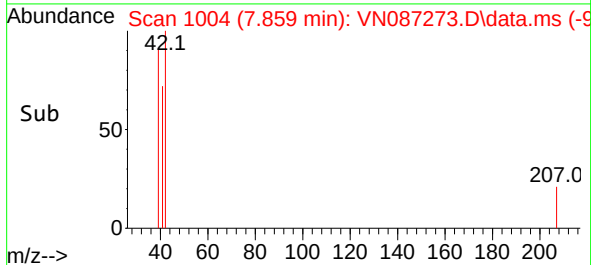
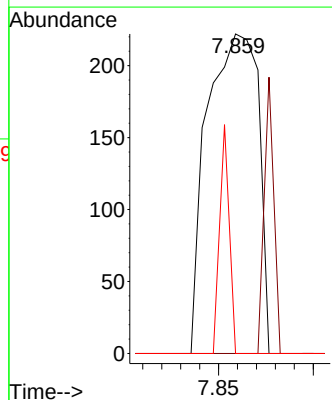
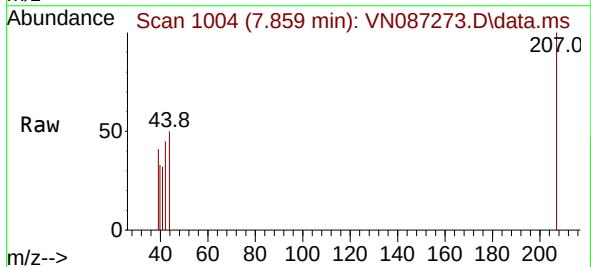
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

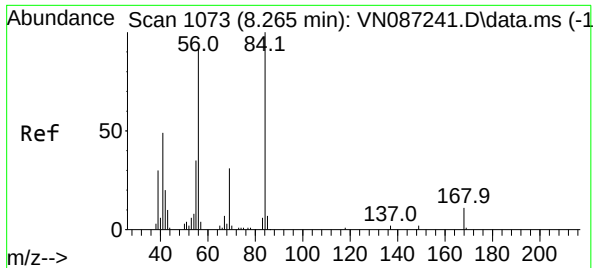
Tgt Ion: 43 Resp: 12800
Ion Ratio Lower Upper
43 100
72 32.1 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.528 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 0.0 44.2 66.4#
71 13.4 41.1 61.7#

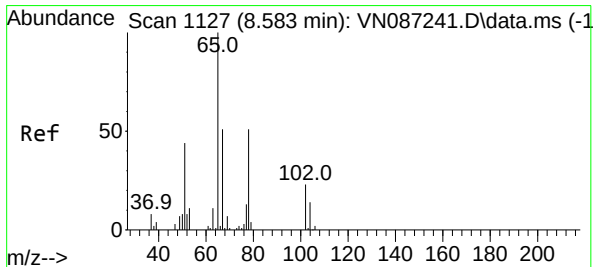
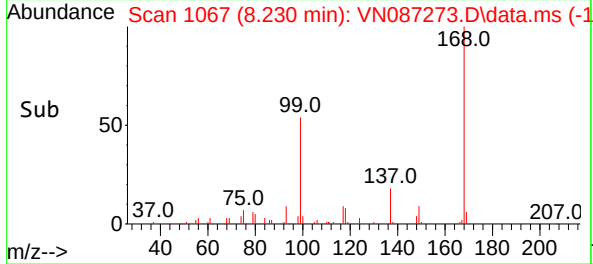
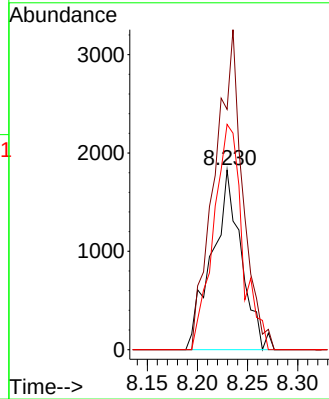
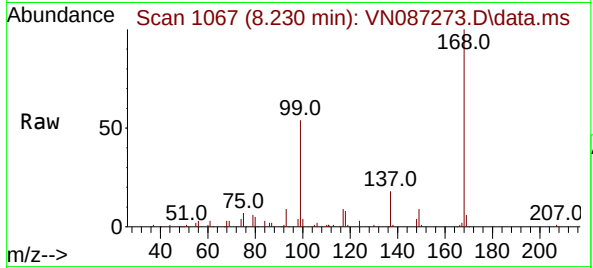




#31
Cyclohexane
Concen: 1.321 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

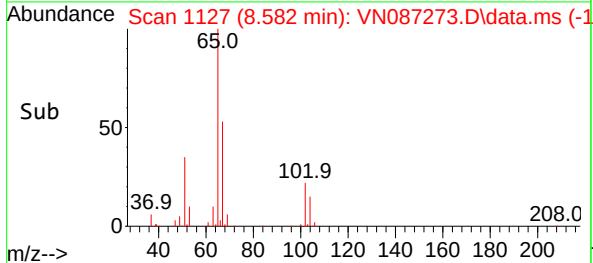
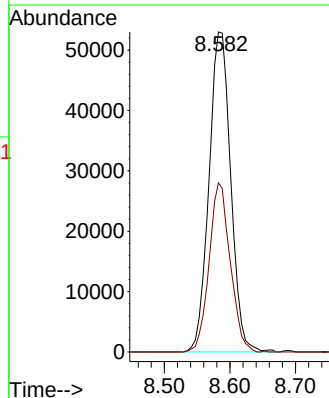
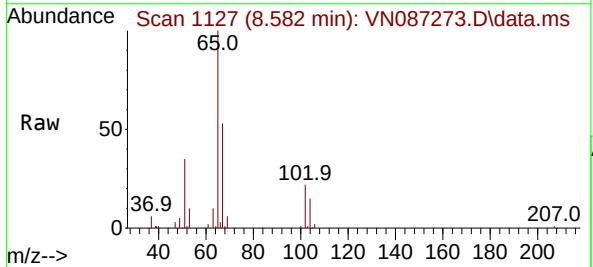
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

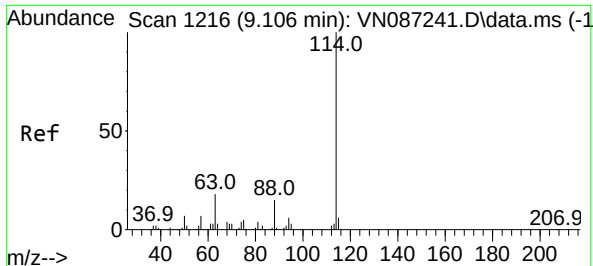
Tgt Ion: 56 Resp: 3693
Ion Ratio Lower Upper
56 100
69 133.7 27.0 40.6#
84 125.3 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 59.402 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 65 Resp: 121959
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6

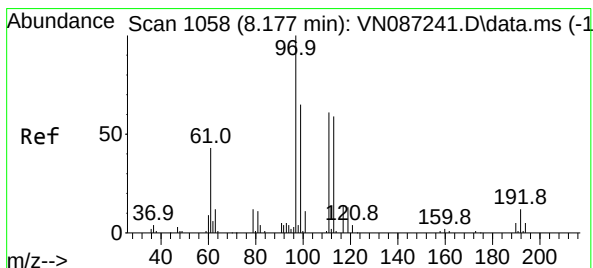
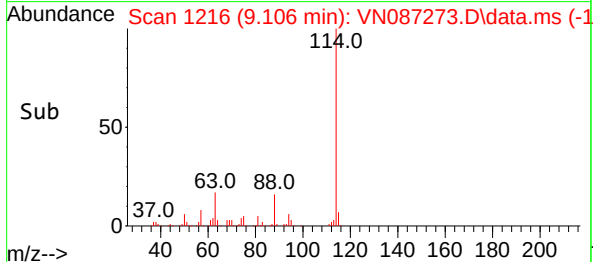
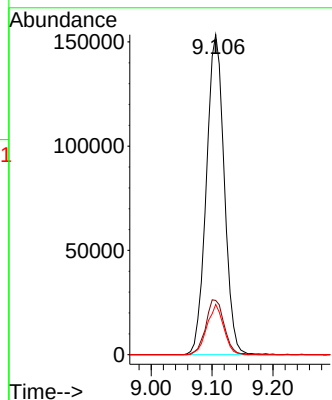
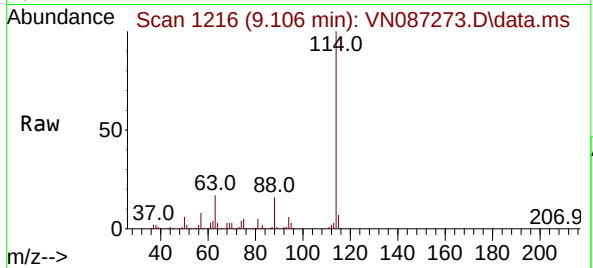




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

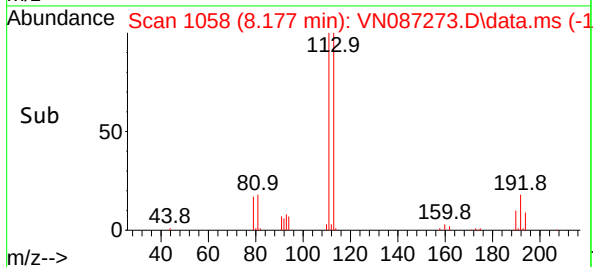
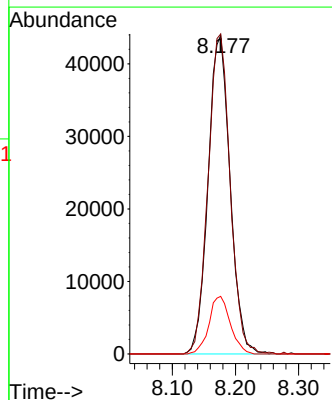
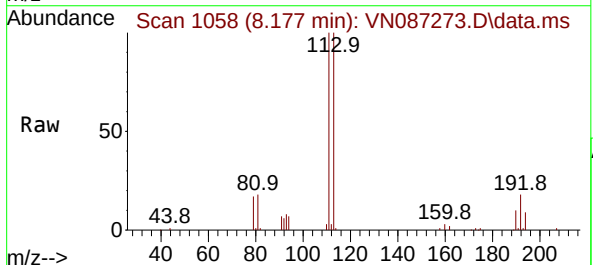
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ClientSampleId :
G1(10)

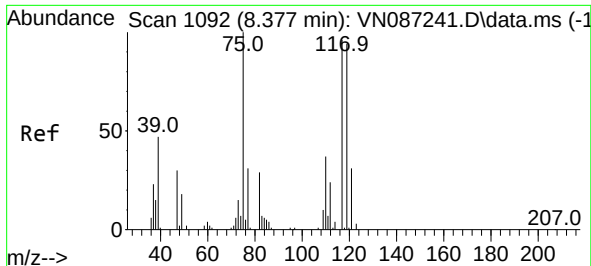
Tgt Ion:114 Resp: 312509
Ion Ratio Lower Upper
114 100
63 17.0 0.0 36.6
88 15.7 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.146 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion:113 Resp: 106346
Ion Ratio Lower Upper
113 100
111 100.7 81.4 122.2
192 17.6 15.1 22.7

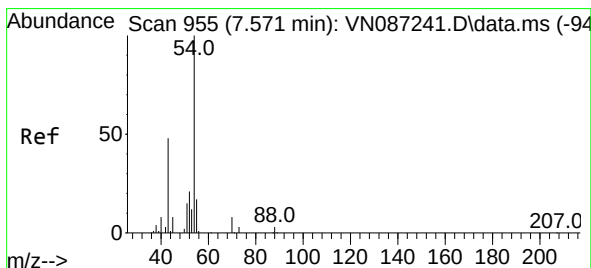
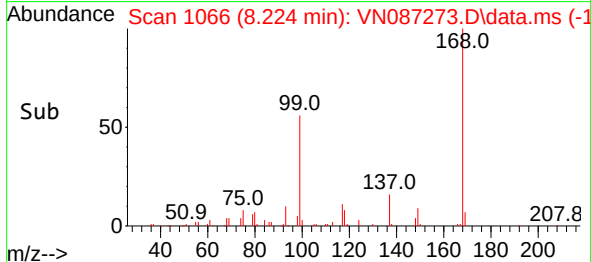
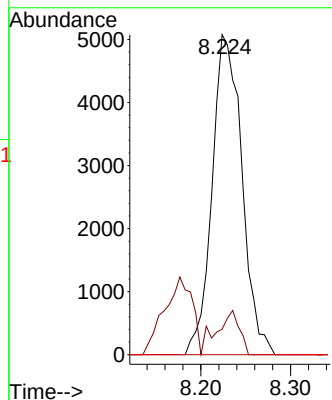
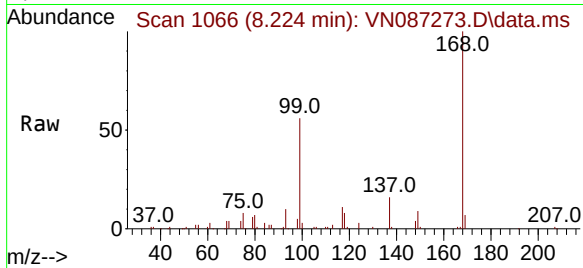




#36
 1,1-Dichloropropene
 Concen: 4.296 ug/l
 RT: 8.224 min Scan# 11691
 Delta R.T. -0.153 min
 Lab File: VN087273.D
 Acq: 03 Jul 2025 15:49

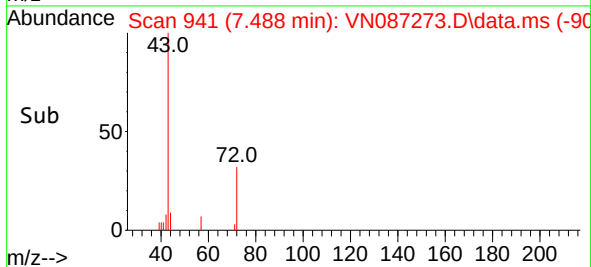
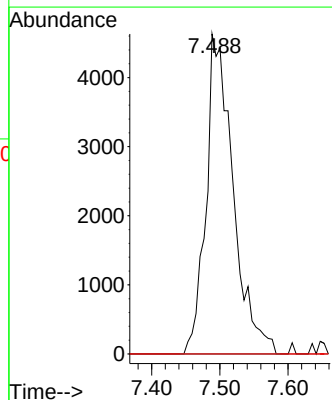
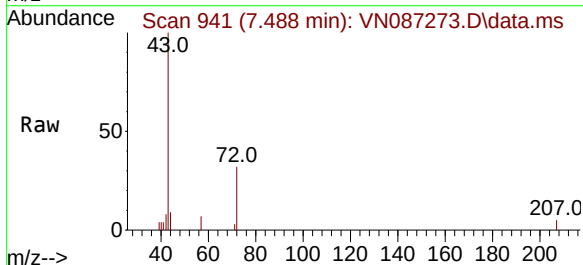
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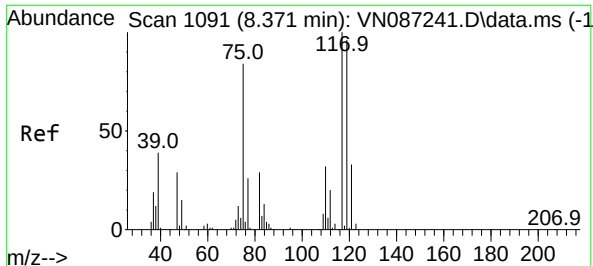
Tgt Ion: 75 Resp: 11691
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.7 56.1#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 4.376 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.082 min
 Lab File: VN087273.D
 Acq: 03 Jul 2025 15:49

Tgt Ion: 43 Resp: 12800
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 9.9 14.9#

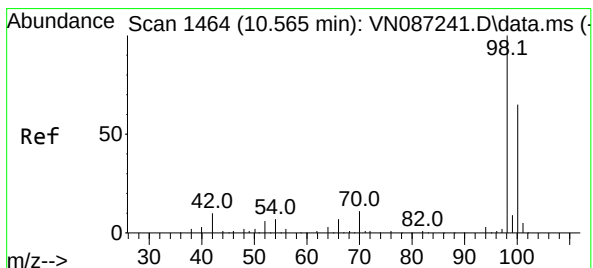
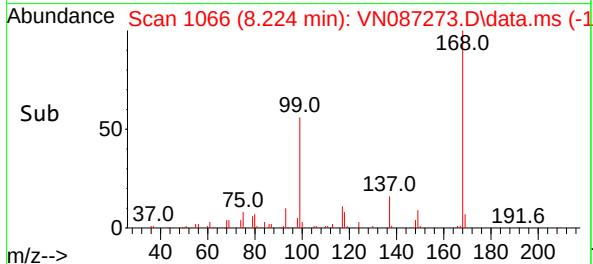
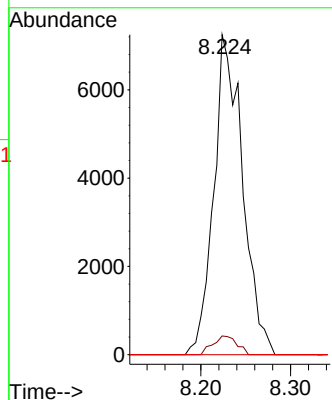
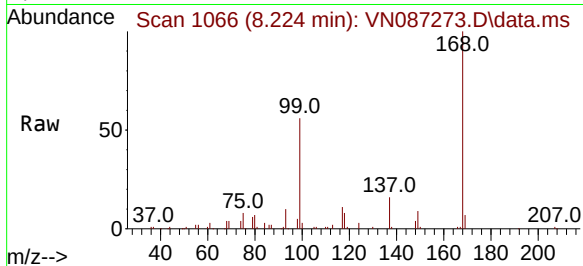




#38
Carbon Tetrachloride
Concen: 5.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

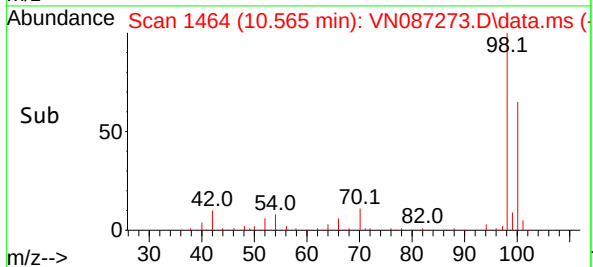
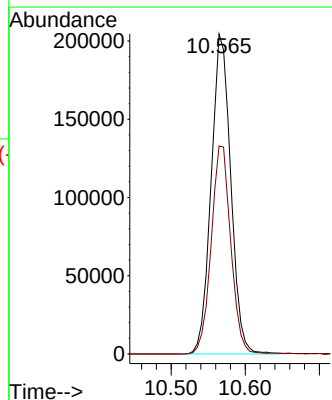
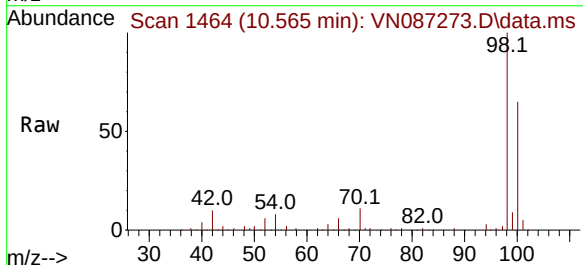
Instrument :
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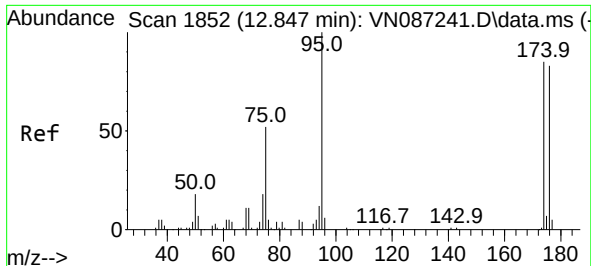
Tgt Ion:117 Resp: 16116
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 98 Resp: 375537
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

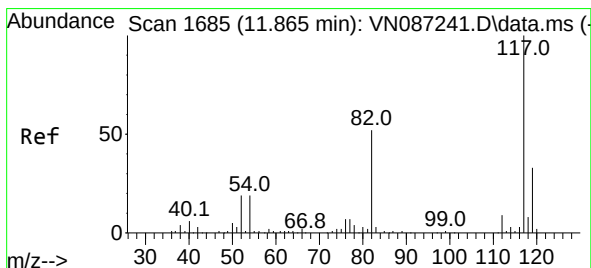
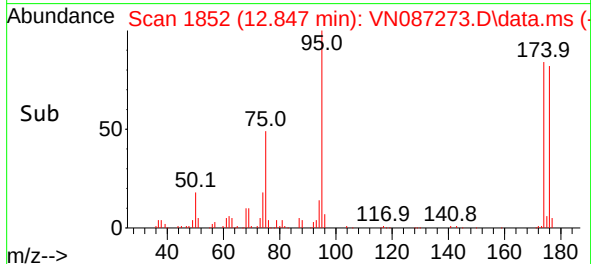
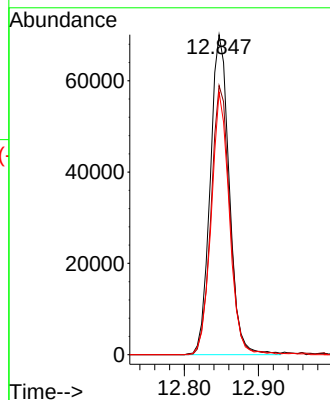
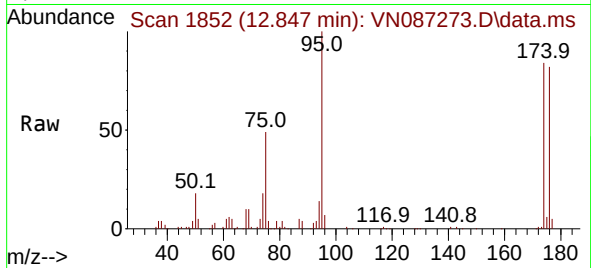




#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

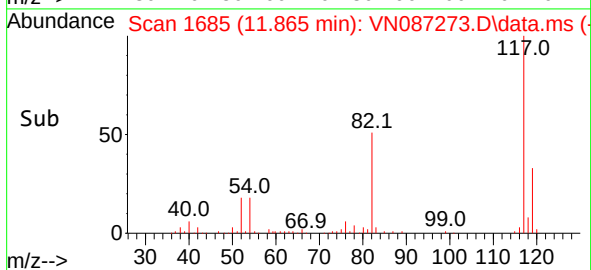
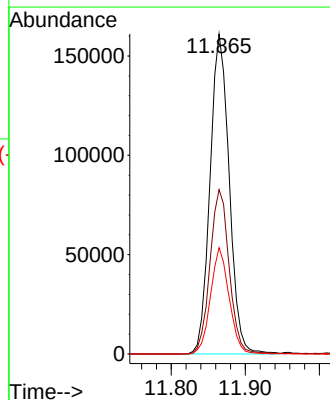
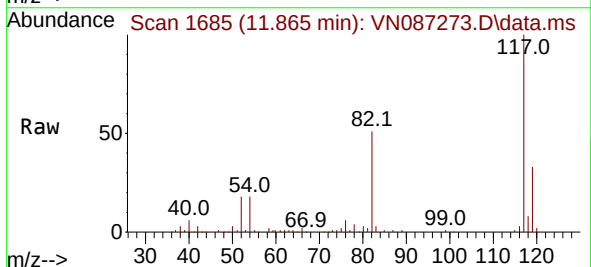
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

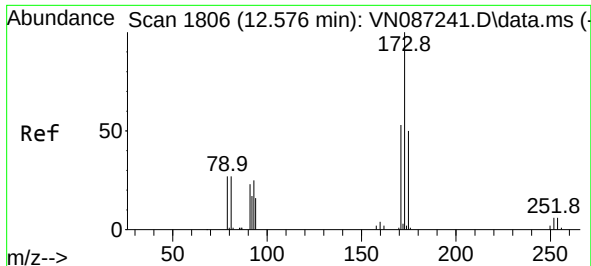
Tgt Ion: 95 Resp: 125049
Ion Ratio Lower Upper
95 100
174 83.5 0.0 169.6
176 78.6 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 117 Resp: 289305
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 33.2 26.2 39.4

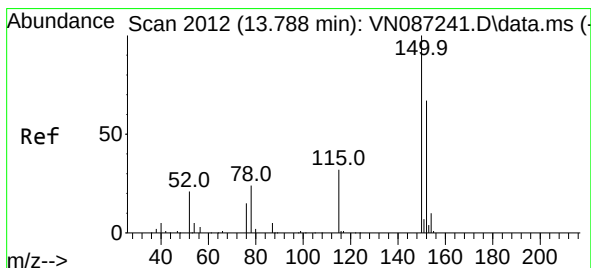
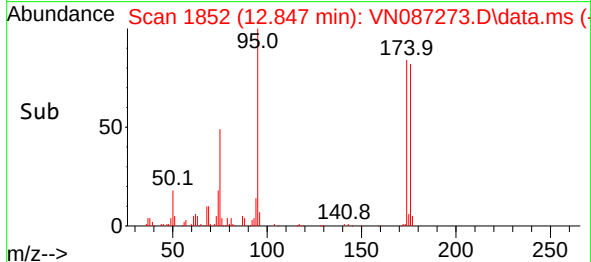
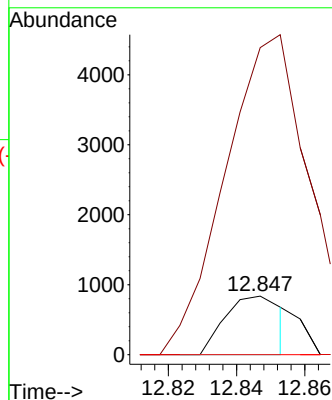
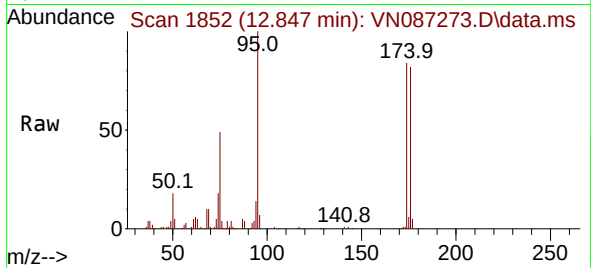




#71
Bromoform
Concen: 0.563 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

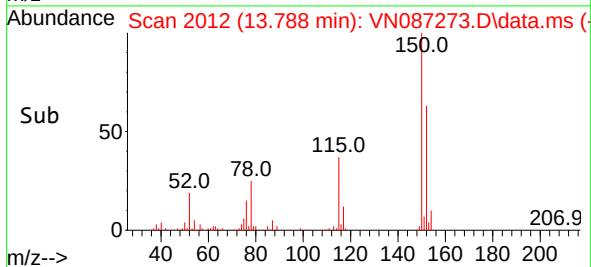
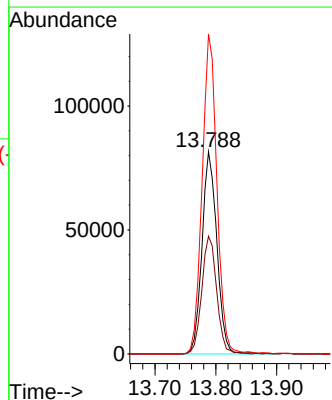
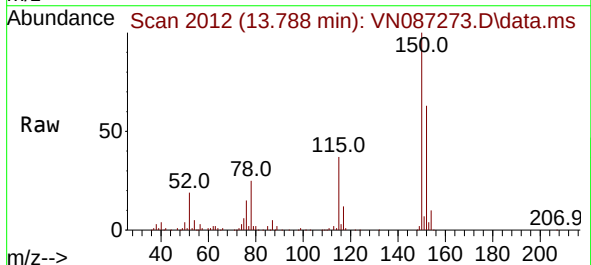
Instrument :
MSVOA_N
ClientSampleId :
G1(10)

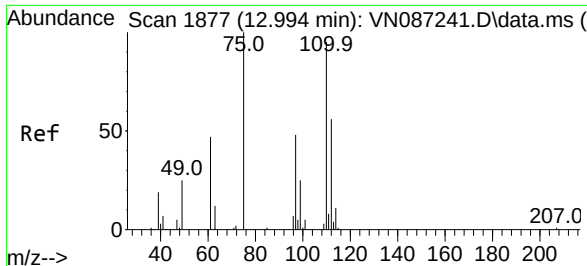
Tgt Ion:173 Resp: 973
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion:152 Resp: 138860
Ion Ratio Lower Upper
152 100
115 58.2 28.3 84.9
150 156.8 0.0 344.6

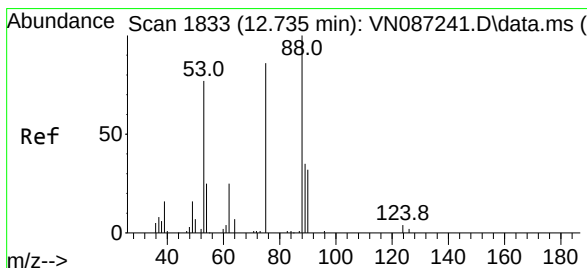
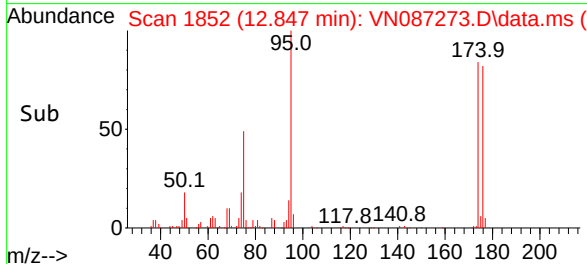
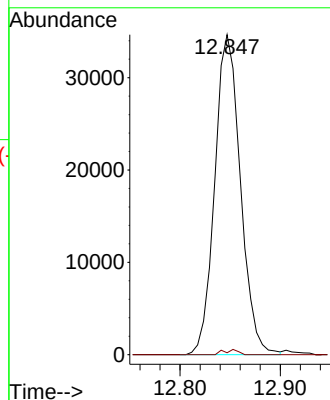
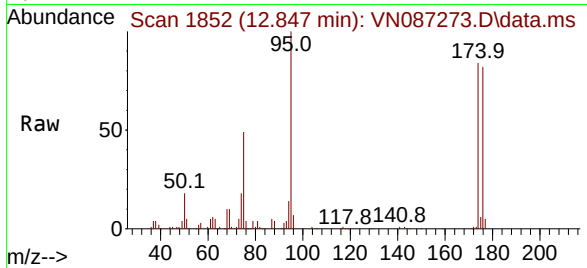




#76
1,2,3-Trichloropropane
Concen: 23.327 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Tgt Ion: 75 Resp: 61611
Ion Ratio Lower Upper
75 100
77 0.9 82.0 245.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.792 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087273.D
Acq: 03 Jul 2025 15:49

Tgt Ion: 75 Resp: 61611
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

