

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086906.D
 Acq On : 09 Jun 2025 15:30
 Operator : JC\MD
 Sample : Q2198-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 03:34:43 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

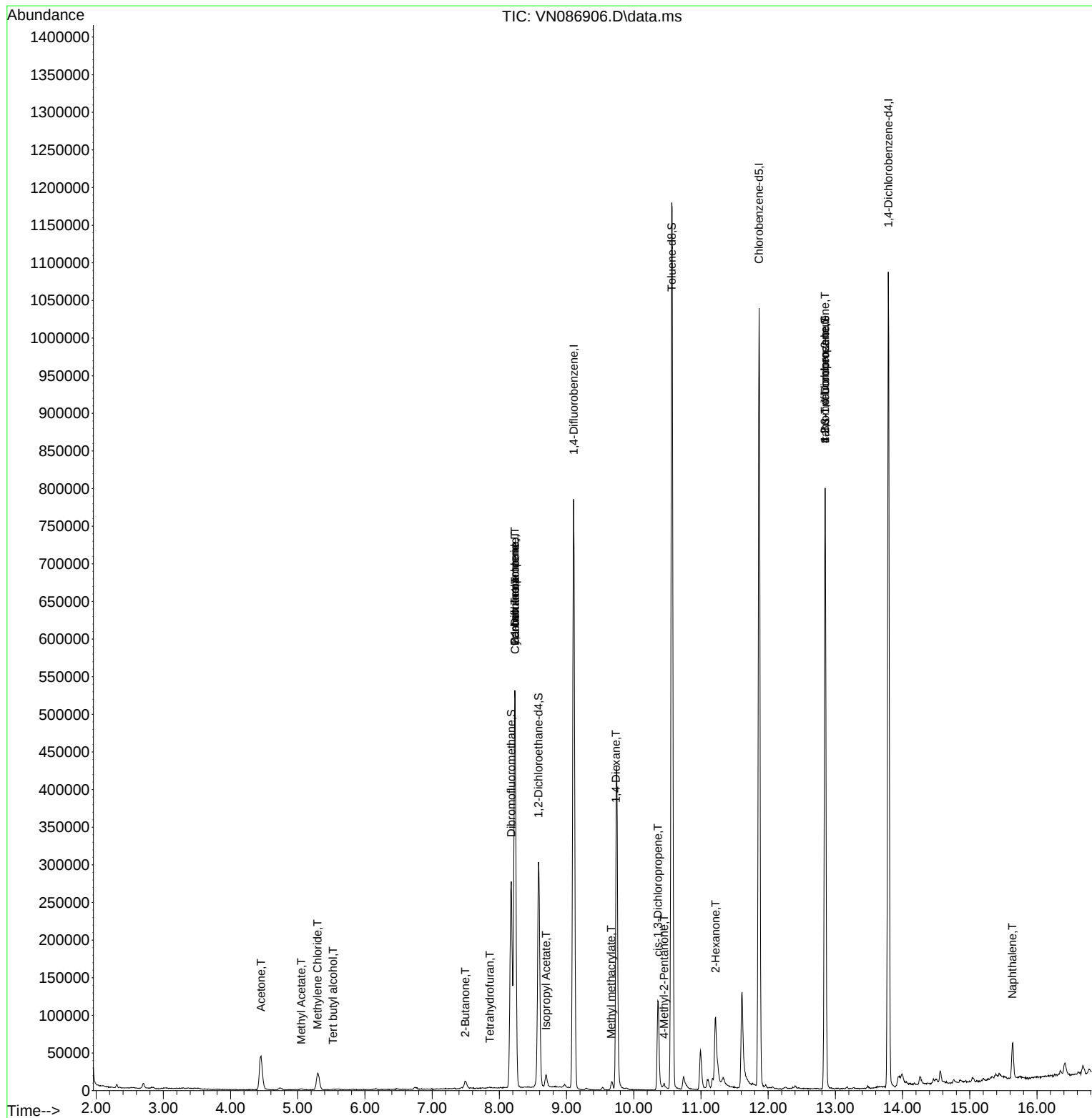
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	419597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	650156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	318394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	244735	43.563	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.120%
35) Dibromofluoromethane	8.177	113	214980	48.427	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.860%
50) Toluene-d8	10.565	98	894484	50.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.847	95	318978	48.854	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.700%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	758	0.497	ug/l #	73
16) Acetone	4.453	43	90615	30.416	ug/l	100
18) Methyl Acetate	5.053	43	3227	0.372	ug/l #	86
20) Methylene Chloride	5.294	84	20133	3.610	ug/l #	89
25) 2-Butanone	7.494	43	17175	3.547	ug/l	100
29) Tetrahydrofuran	7.859	42	764	0.242	ug/l #	55
31) Cyclohexane	8.235	56	6932	0.761	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30643	4.632	ug/l #	49
38) Carbon Tetrachloride	8.230	117	40424	6.224	ug/l #	17
43) Isopropyl Acetate	8.694	43	18250	1.350	ug/l	94
48) Methyl methacrylate	9.665	41	1321	0.212	ug/l #	11
49) 1,4-Dioxane	9.735	88	53	0.468	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8855	1.088	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	30050	3.492	ug/l #	54
59) 2-Hexanone	11.218	43	18293	3.490	ug/l #	57
76) 1,2,3-Trichloropropane	12.847	75	145512	19.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	145512	44.258	ug/l #	16
95) Naphthalene	15.635	128	49796	2.084	ug/l	99

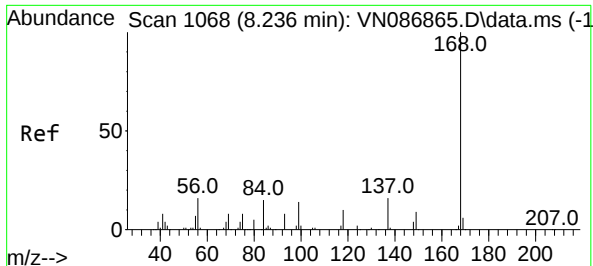
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086906.D
Acq On : 09 Jun 2025 15:30
Operator : JC\MD
Sample : Q2198-04RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 10 03:34:43 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

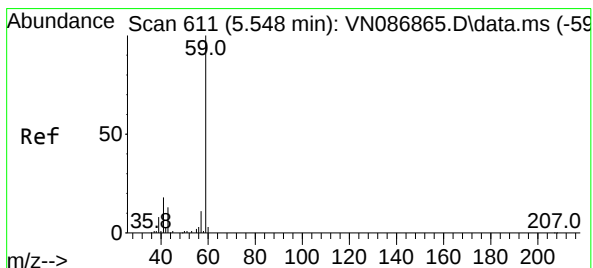
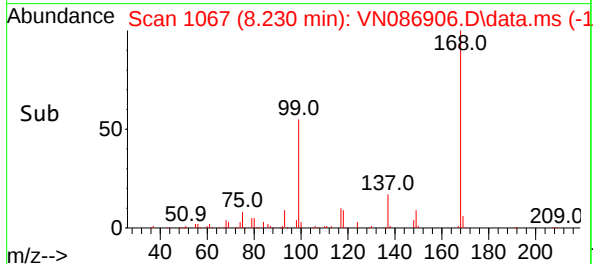
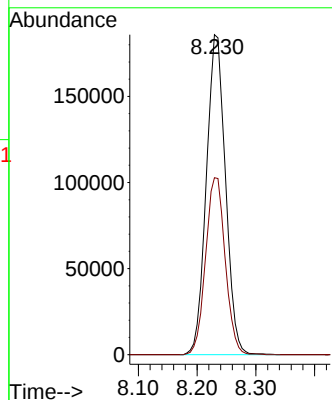
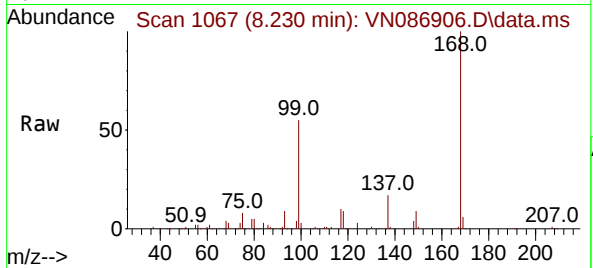




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

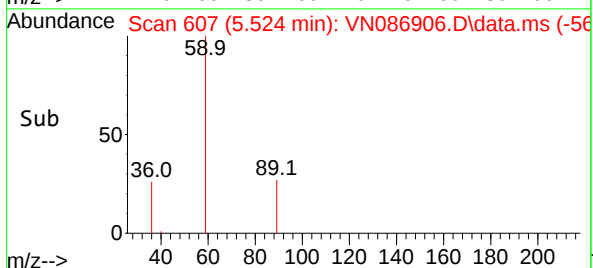
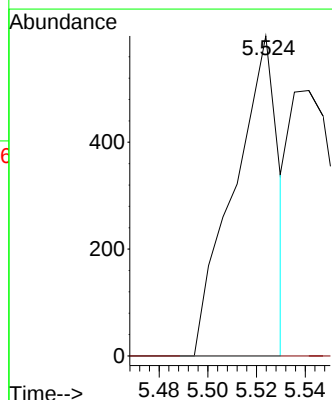
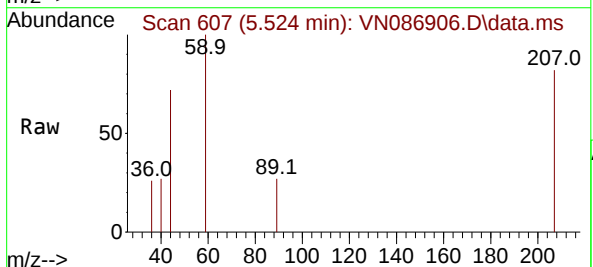
Instrument :
MSVOA_N
ClientSampleId :

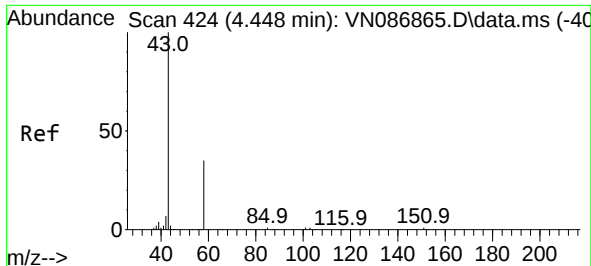
Tgt Ion:168 Resp: 419597
Ion Ratio Lower Upper
168 100
99 55.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.024 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

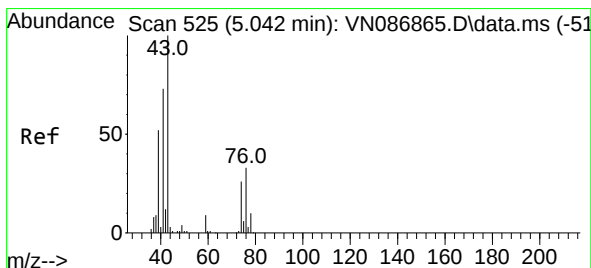
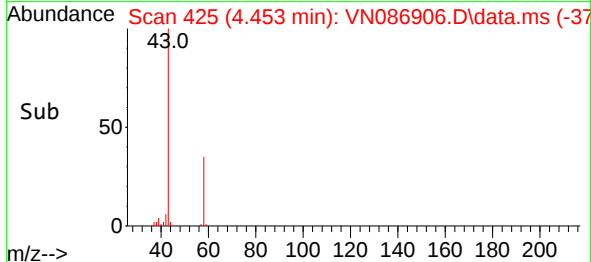
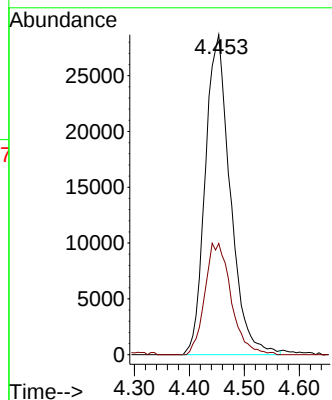
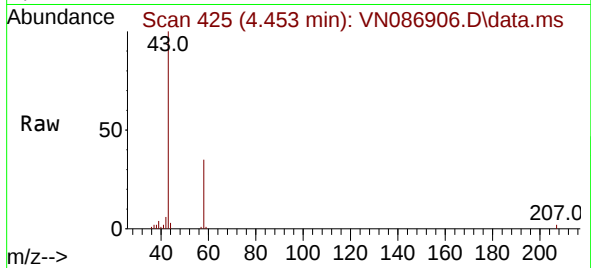




#16
Acetone
Concen: 30.416 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

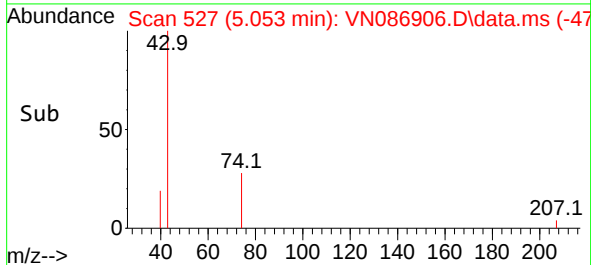
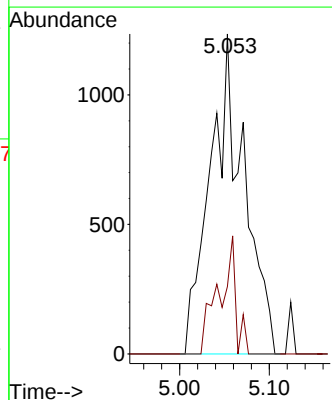
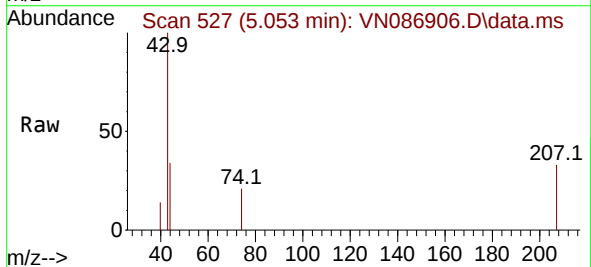
Instrument :
MSVOA_N
ClientSampleId :

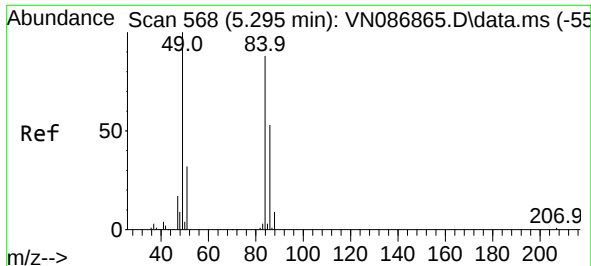
Tgt Ion: 43 Resp: 90615
Ion Ratio Lower Upper
43 100
58 34.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.372 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

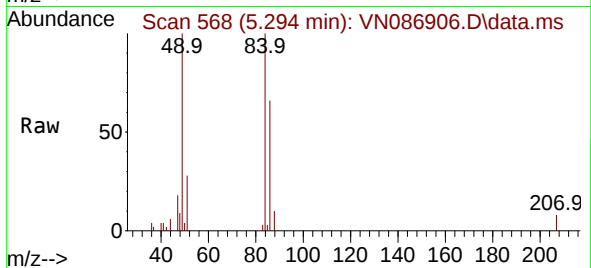
Tgt Ion: 43 Resp: 3227
Ion Ratio Lower Upper
43 100
74 18.6 20.7 31.1#



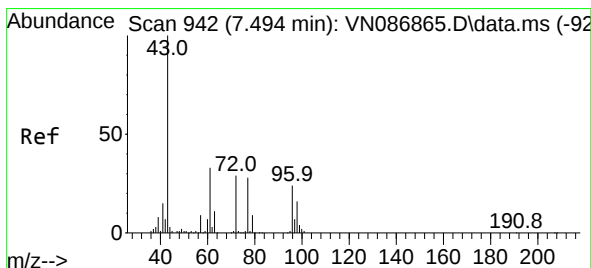
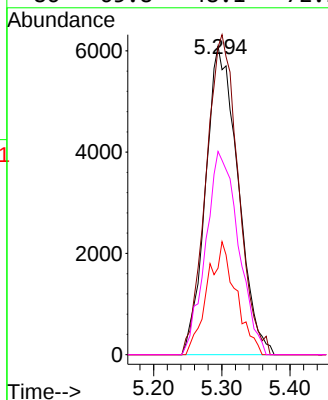
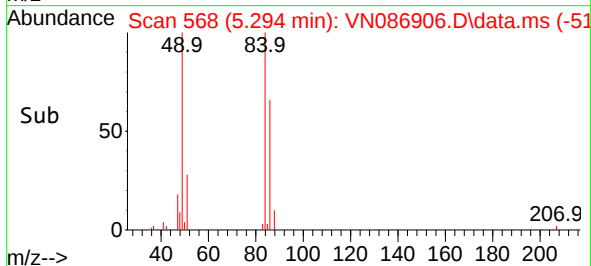


#20
Methylene Chloride
Concen: 3.610 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

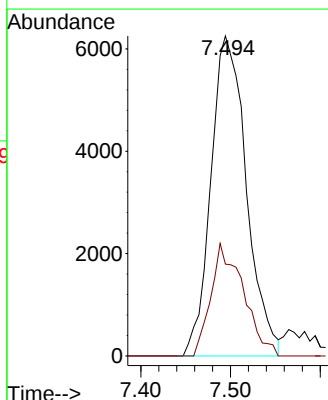
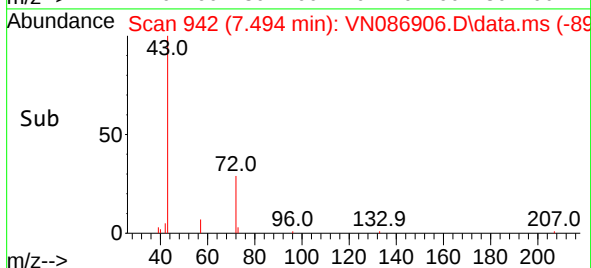
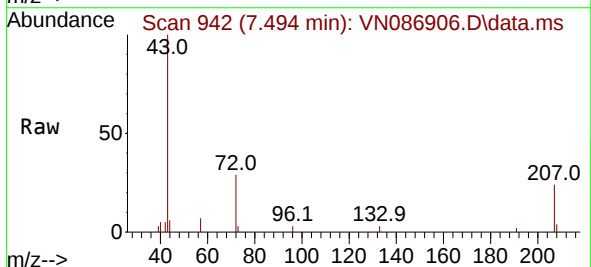


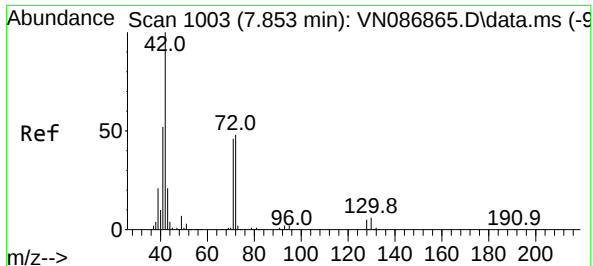
Tgt Ion:	84	Resp:	20133
Ion	Ratio	Lower	Upper
84	100		
49	99.6	90.5	135.7
51	28.1	28.5	42.7#
86	65.8	48.1	72.1



#25
2-Butanone
Concen: 3.547 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Tgt Ion:	43	Resp:	17175
Ion	Ratio	Lower	Upper
43	100		
72	28.7	23.0	34.6





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 7.859 min Scan# 1068

Delta R.T. 0.006 min

Lab File: VN086906.D

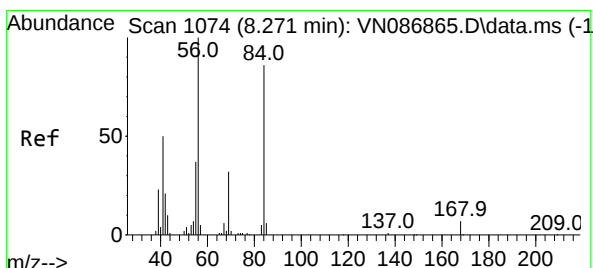
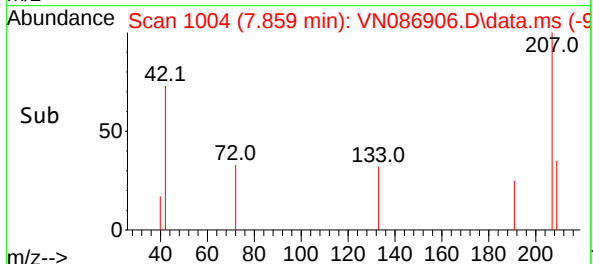
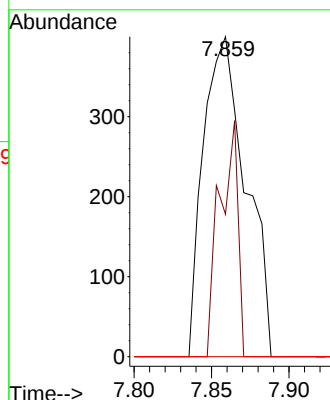
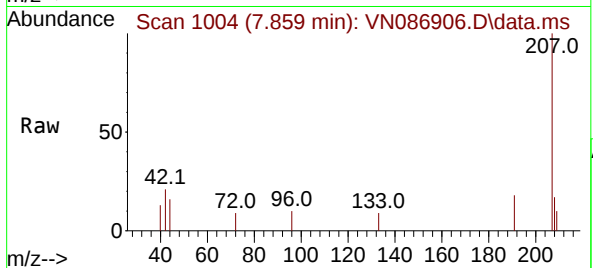
Acq: 09 Jun 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	764
Ion Ratio	Lower	Upper	
42	100		
72	31.7	37.8	56.6#
71	0.0	35.6	53.4#



#31

Cyclohexane

Concen: 0.761 ug/l

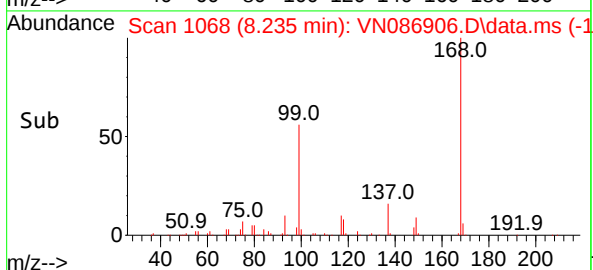
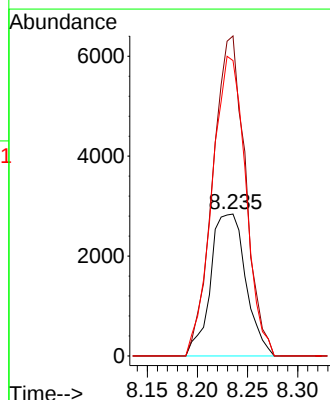
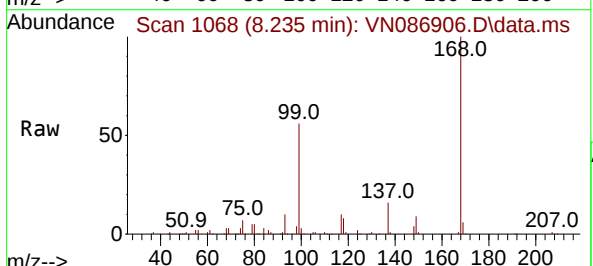
RT: 8.235 min Scan# 1068

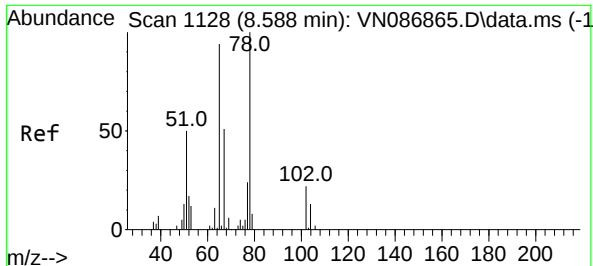
Delta R.T. -0.035 min

Lab File: VN086906.D

Acq: 09 Jun 2025 15:30

Tgt Ion:	56	Resp:	6932
Ion Ratio	Lower	Upper	
56	100		
69	225.5	25.4	38.0#
84	208.2	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 43.563 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN086906.D

Acq: 09 Jun 2025 15:30

Instrument :

MSVOA_N

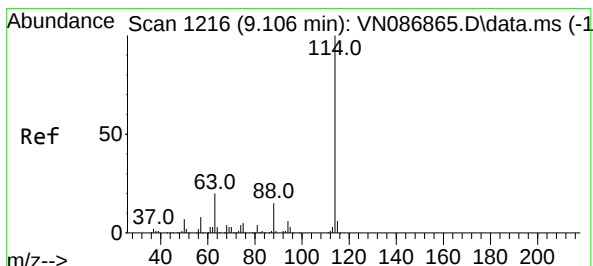
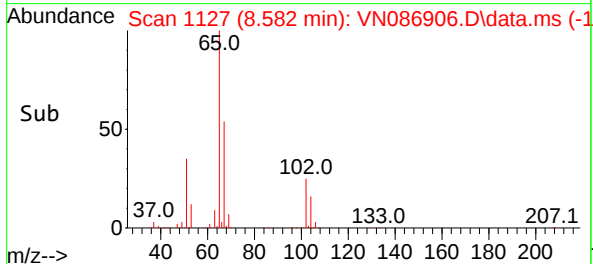
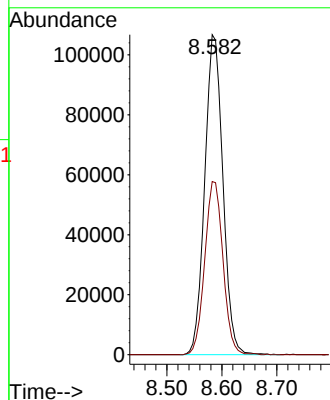
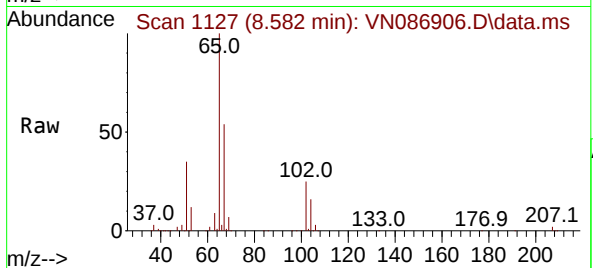
ClientSampleId :

Tgt Ion: 65 Resp: 244735

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086906.D

Acq: 09 Jun 2025 15:30

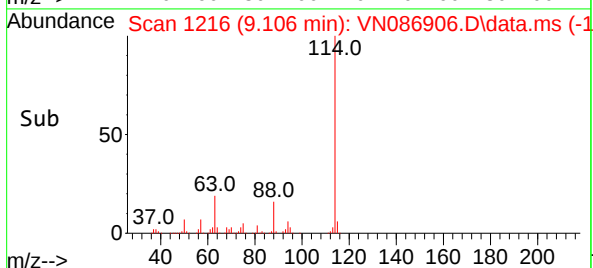
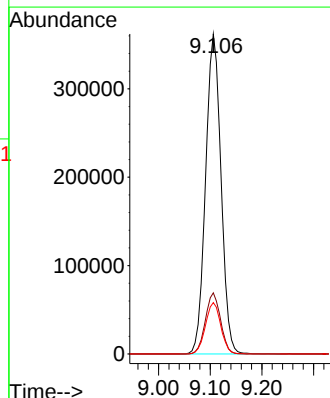
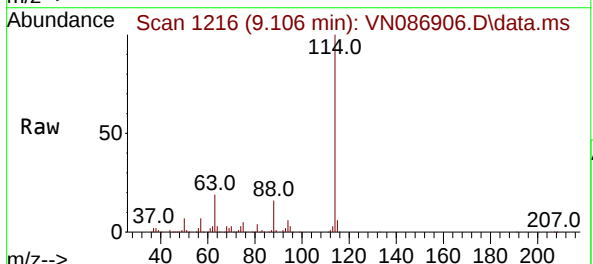
Tgt Ion: 114 Resp: 749093

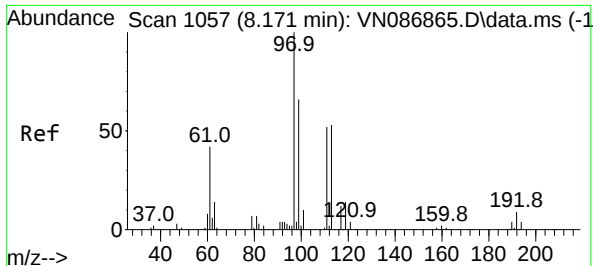
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

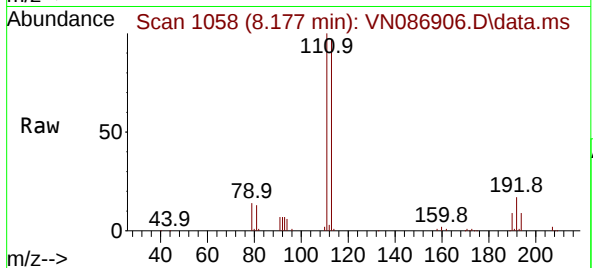
88 16.0 0.0 30.2



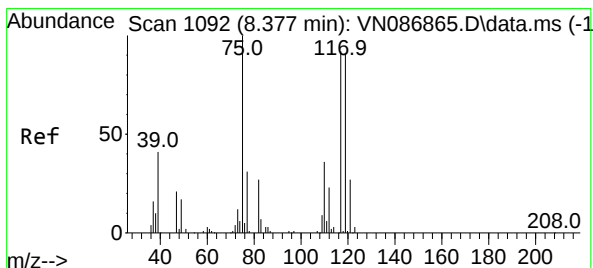
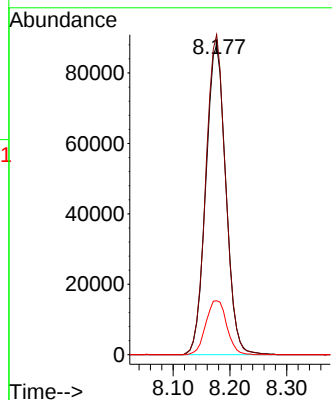
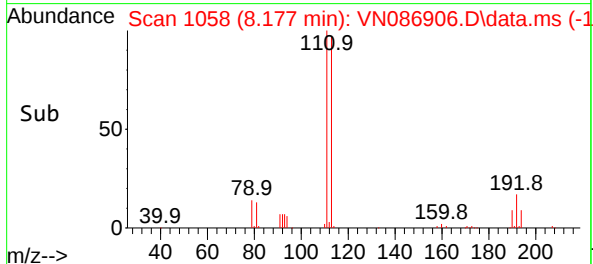


#35
Dibromofluoromethane
Concen: 48.427 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

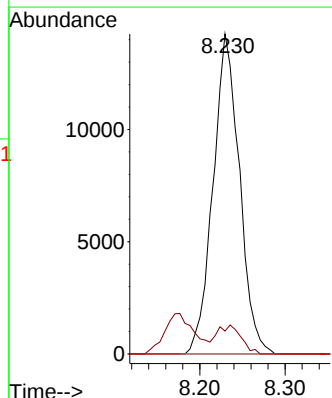
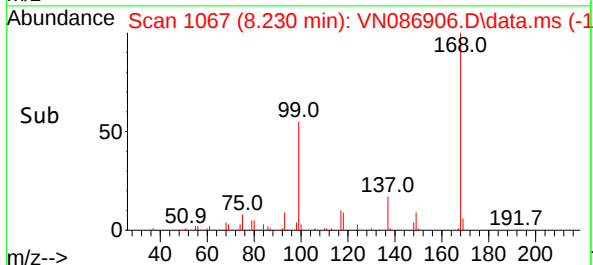
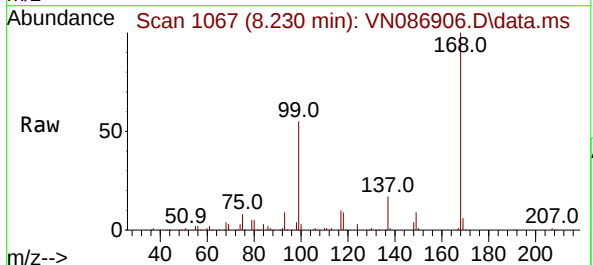


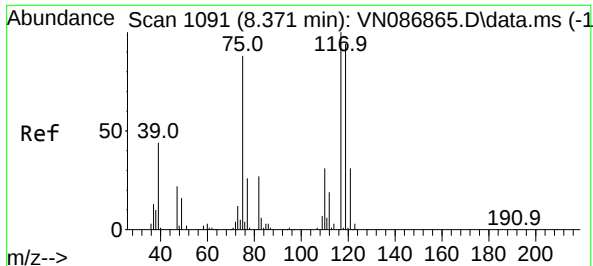
Tgt Ion:113 Resp: 214980
Ion Ratio Lower Upper
113 100
111 101.7 84.2 126.2
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

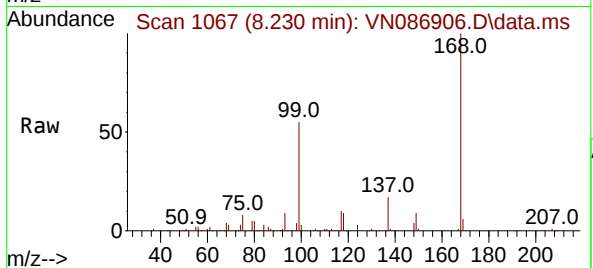
Tgt Ion: 75 Resp: 30643
Ion Ratio Lower Upper
75 100
110 8.2 17.6 52.9#
77 0.0 25.3 37.9#



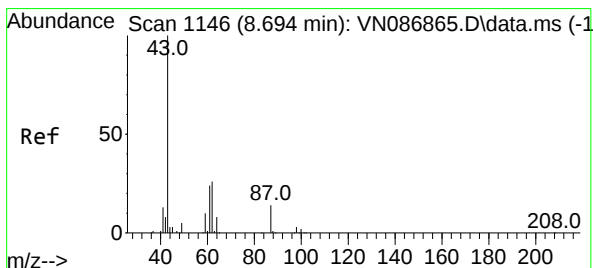
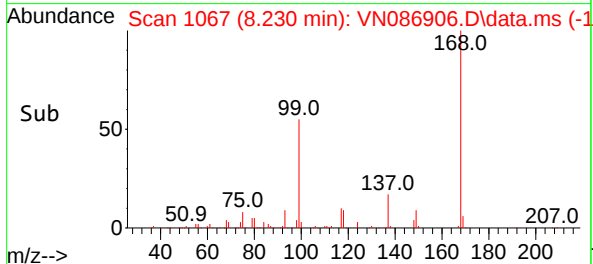
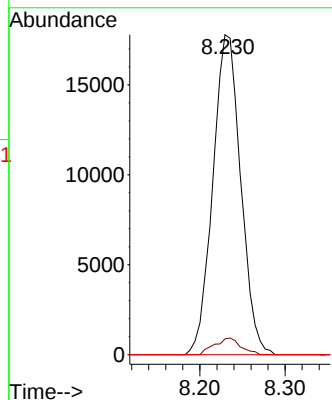


#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

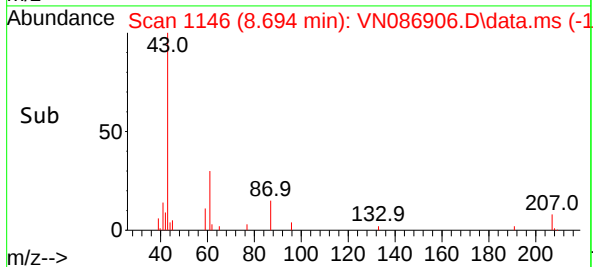
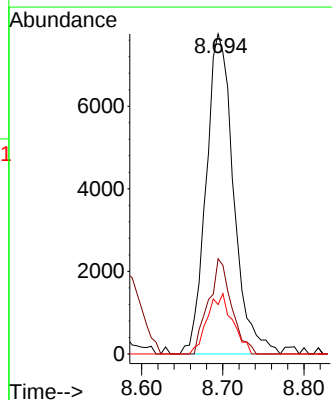
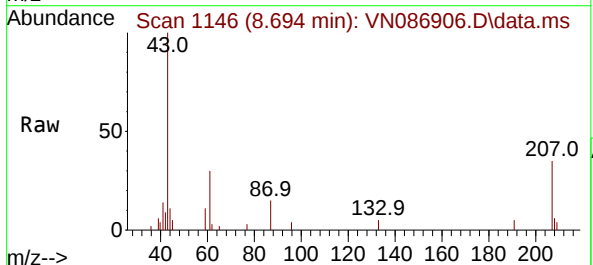


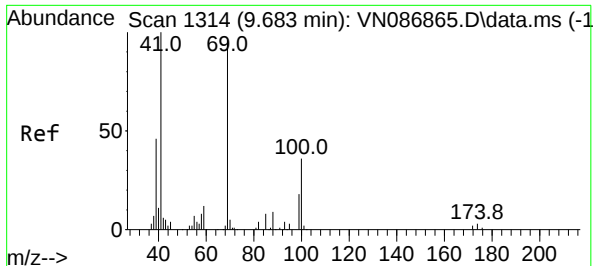
Tgt Ion:117 Resp: 40424
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.350 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Tgt Ion: 43 Resp: 18250
Ion Ratio Lower Upper
43 100
61 24.9 22.1 33.1
87 17.2 11.8 17.6

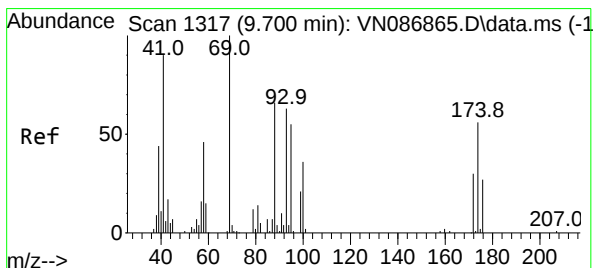
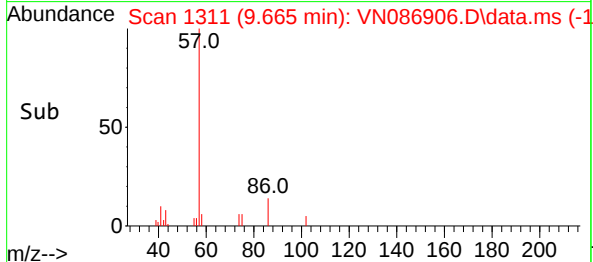
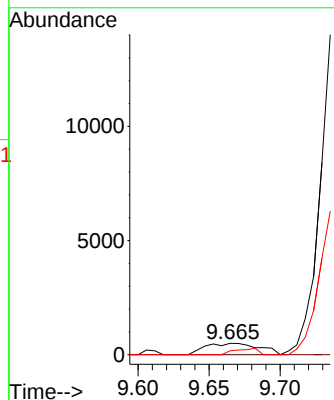
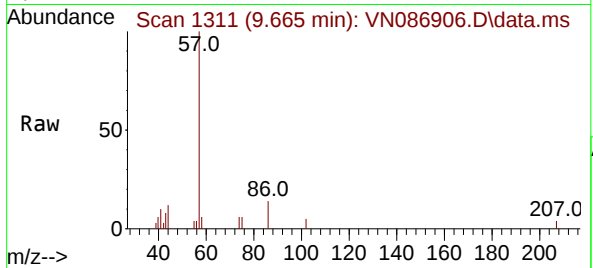




#48
Methyl methacrylate
Concen: 0.212 ug/l
RT: 9.665 min Scan# 1321
Delta R.T. -0.018 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

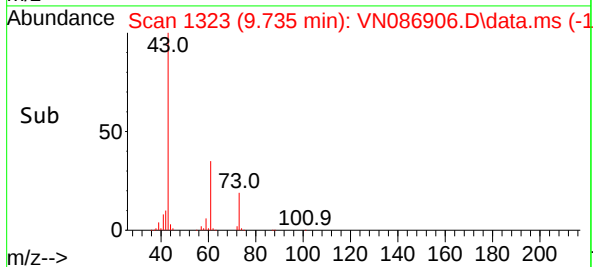
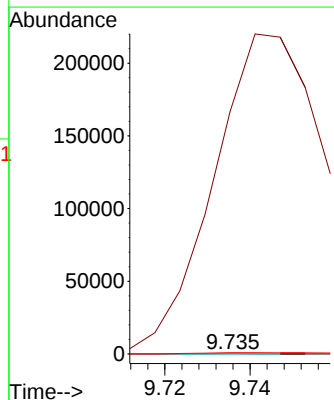
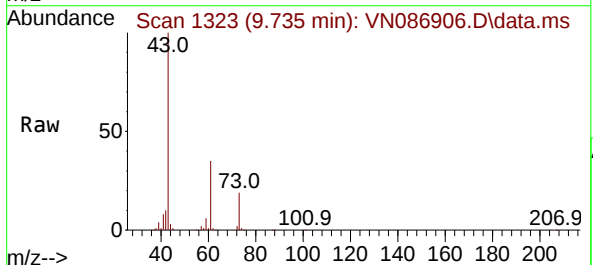
Instrument :
MSVOA_N
ClientSampleId :

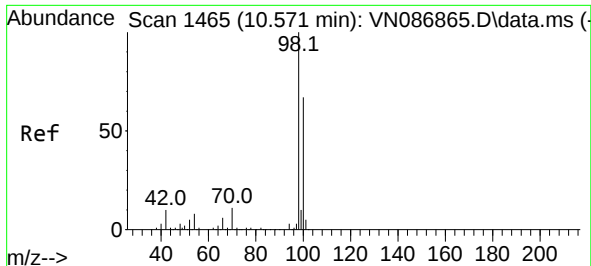
Tgt Ion: 41 Resp: 1321
Ion Ratio Lower Upper
41 100
69 0.0 74.6 112.0#
39 0.0 40.2 60.4#



#49
1,4-Dioxane
Concen: 0.468 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.035 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 826322.6 0.0 0.0#
58 3796.2 57.7 86.5#

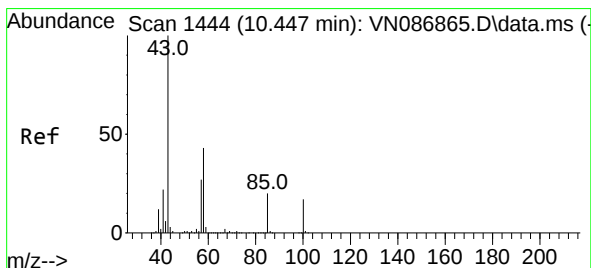
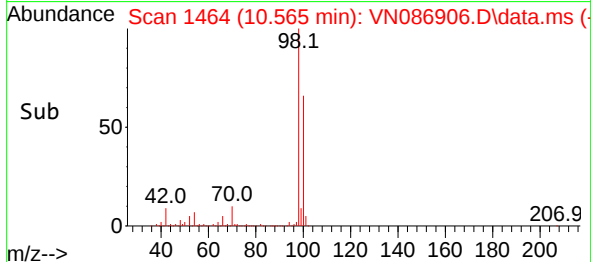
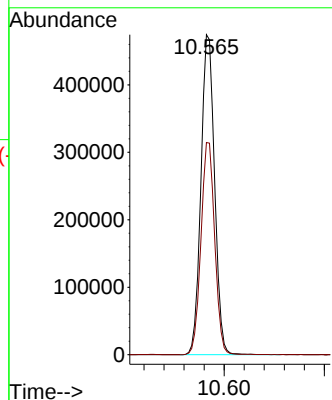
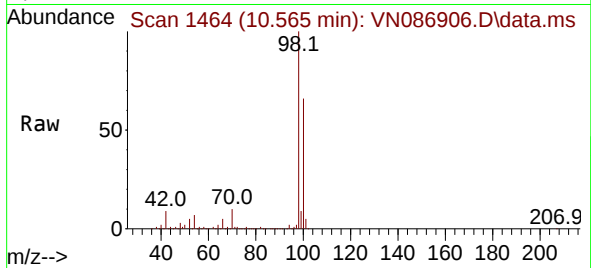




#50
Toluene-d8
Concen: 50.898 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

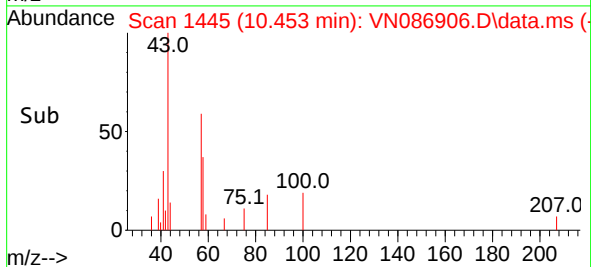
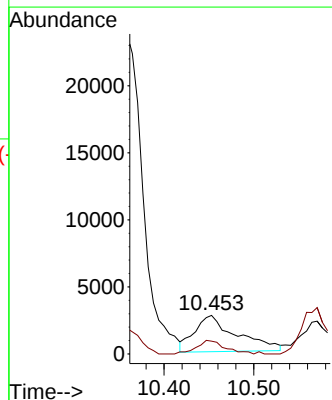
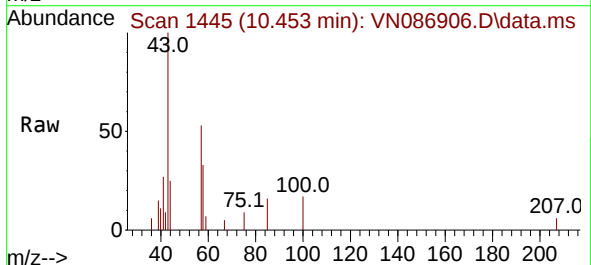
Instrument :
MSVOA_N
ClientSampleId :

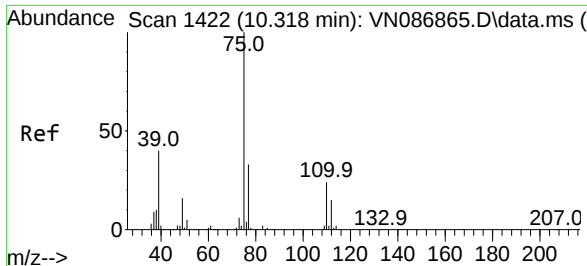
Tgt Ion: 98 Resp: 894484
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

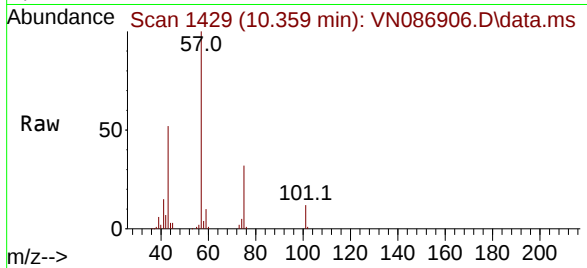
Tgt Ion: 43 Resp: 8855
Ion Ratio Lower Upper
43 100
58 25.5 34.2 51.4#



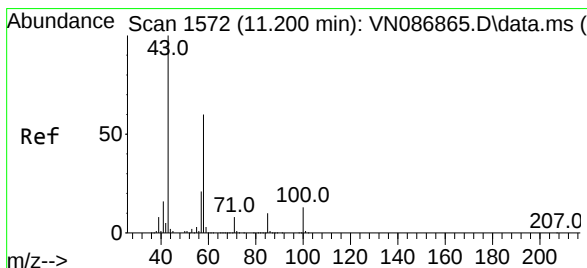
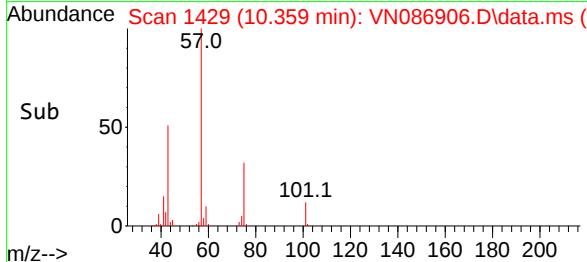
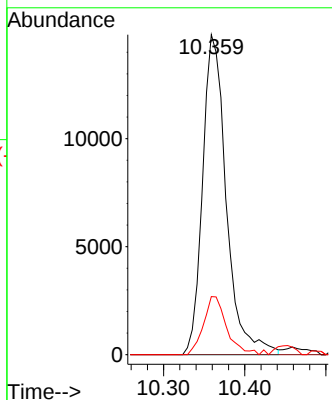


#54
 cis-1,3-Dichloropropene
 Concen: 3.492 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

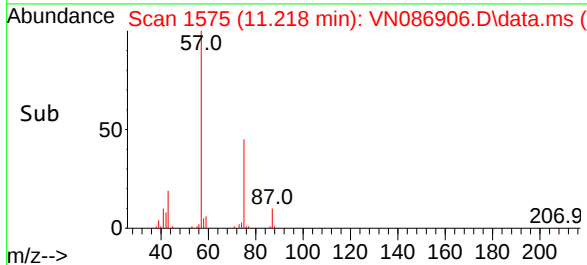
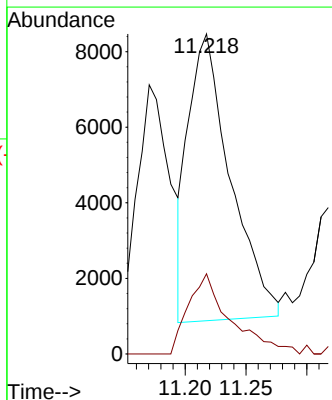
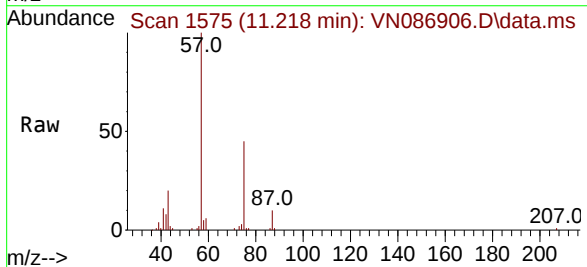


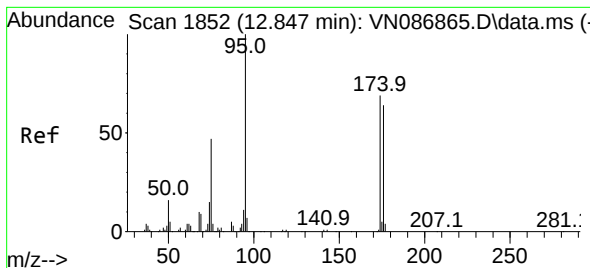
Tgt Ion: 75 Resp: 30050
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 18.1 32.3 48.5#



#59
 2-Hexanone
 Concen: 3.490 ug/l
 RT: 11.218 min Scan# 1575
 Delta R.T. 0.017 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

Tgt Ion: 43 Resp: 18293
 Ion Ratio Lower Upper
 43 100
 58 28.0 30.4 91.3#

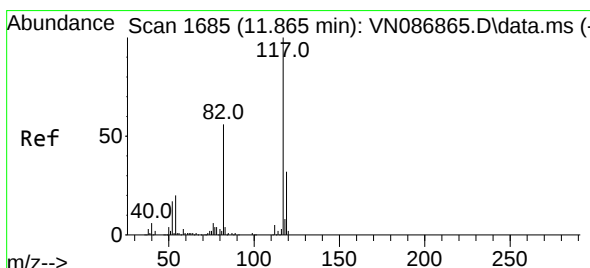
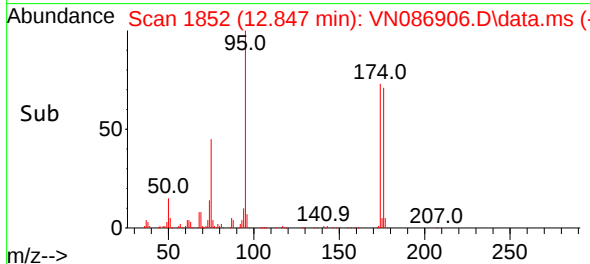
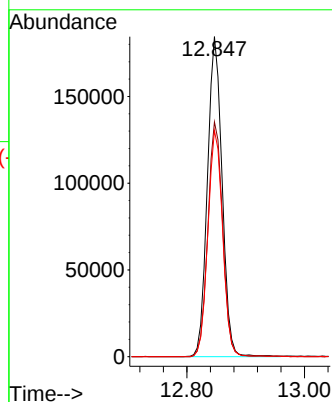
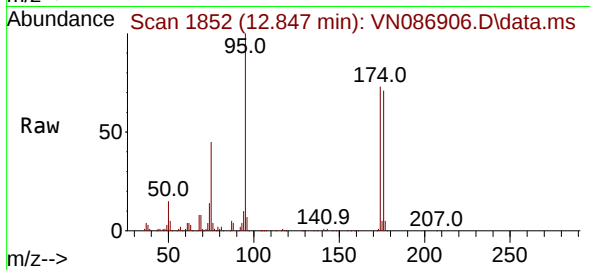




#62
4-Bromofluorobenzene
Concen: 48.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

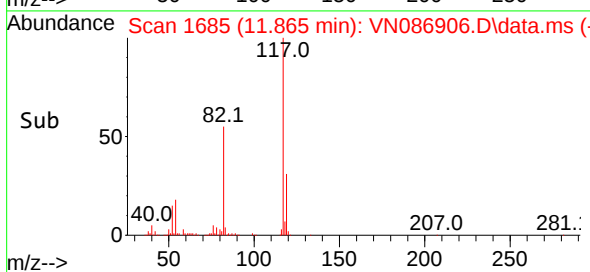
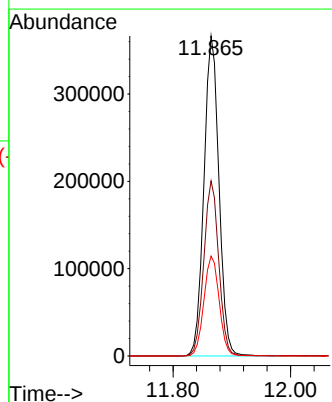
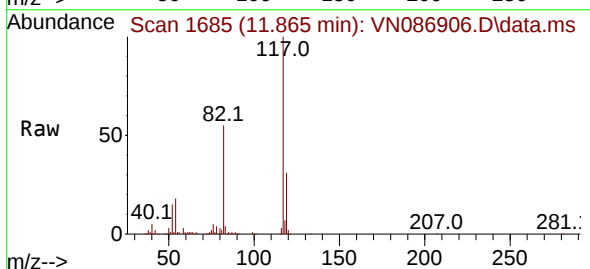
Instrument :
MSVOA_N
ClientSampleId :

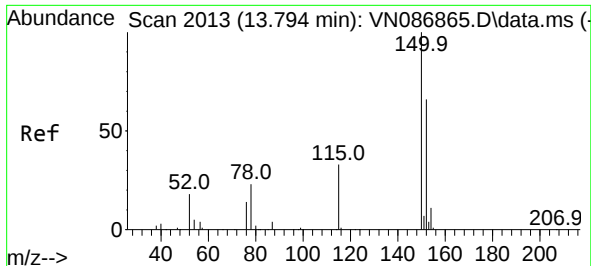
Tgt Ion: 95 Resp: 318978
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.8
176 71.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086906.D
Acq: 09 Jun 2025 15:30

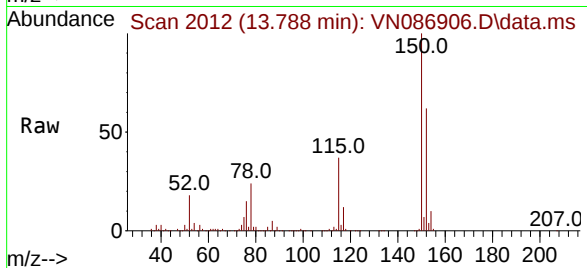
Tgt Ion: 117 Resp: 650156
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 31.2 25.5 38.3



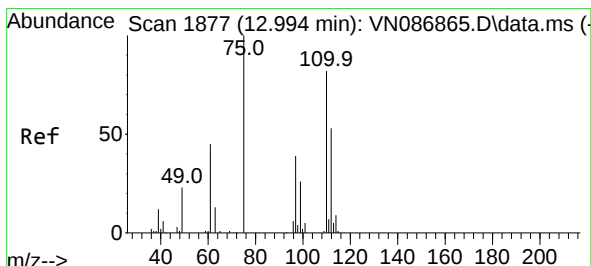
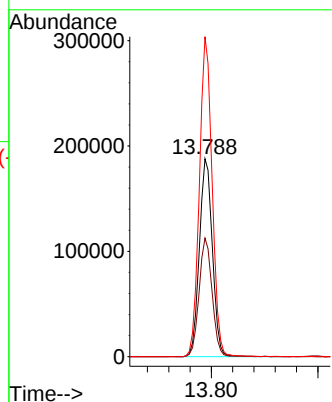
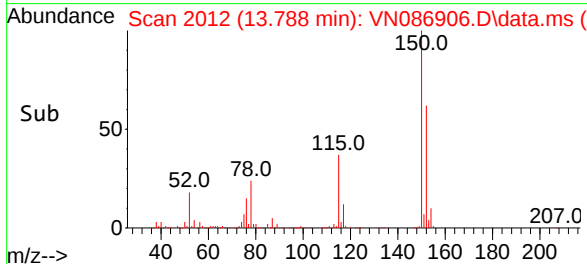


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

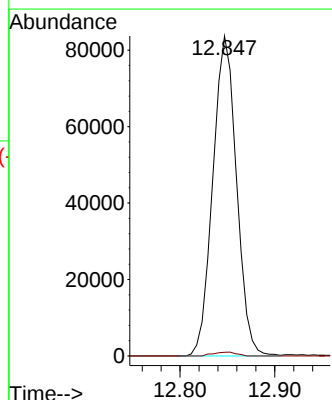
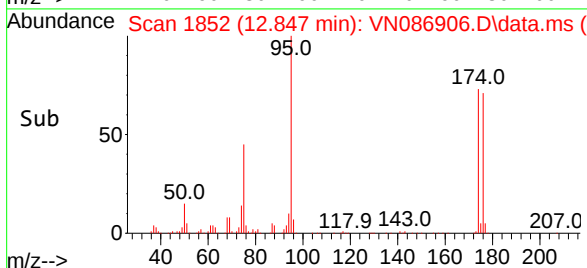
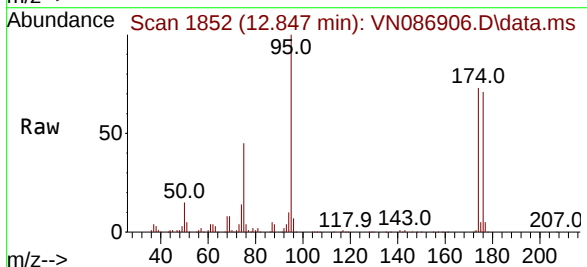


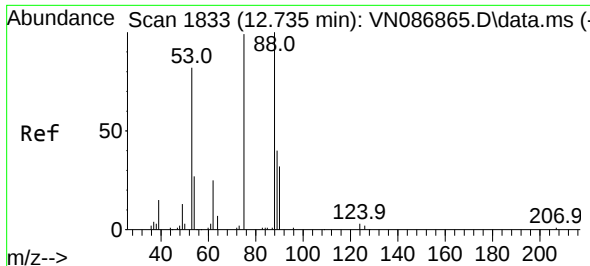
Tgt Ion:152 Resp: 318394
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.1 90.5
 150 158.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.226 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

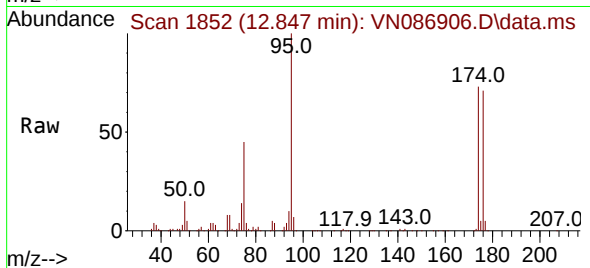
Tgt Ion: 75 Resp: 145512
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#



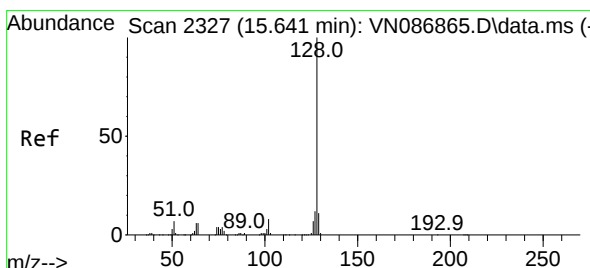
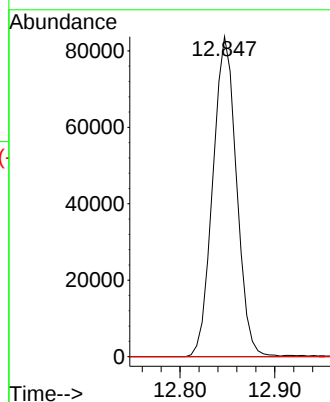
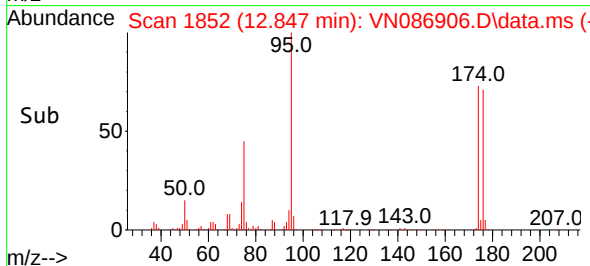


#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.258 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 145512
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#



#95
 Naphthalene
 Concen: 2.084 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN086906.D
 Acq: 09 Jun 2025 15:30

Tgt Ion:128 Resp: 49796
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.2
 129 11.6 8.8 13.2

