

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086974.D
 Acq On : 12 Jun 2025 14:00
 Operator : JC\MD
 Sample : Q2274-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13-MHP-WC

Quant Time: Jun 13 01:27:41 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)

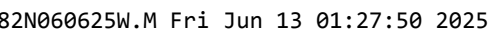
Internal Standards						
1) Pentafluorobenzene	8.236	168	235101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	450003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	408636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193941	50.000	ug/l	0.00

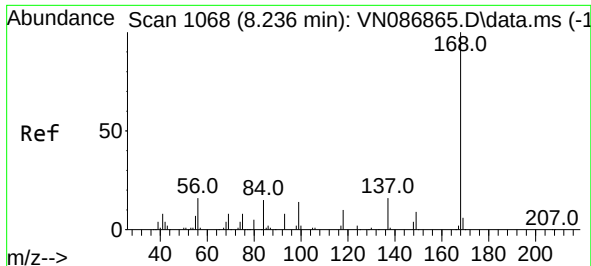
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	163940	52.082	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.160%	
35) Dibromofluoromethane	8.177	113	135918	50.966	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.940%	
50) Toluene-d8	10.571	98	557074	52.767	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	12.847	95	195584	49.864	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.720%	

Target Compounds					Qvalue	
16) Acetone	4.453	43	27428	16.431	ug/l	96
18) Methyl Acetate	5.053	43	28230	5.803	ug/l	97
20) Methylene Chloride	5.295	84	8764	2.804	ug/l	96
25) 2-Butanone	7.506	43	4969	1.831	ug/l #	87
31) Cyclohexane	8.236	56	4399	0.862	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	17738	4.464	ug/l #	49
37) Ethyl Acetate	7.571	43	18841	3.724	ug/l	98
38) Carbon Tetrachloride	8.230	117	23204	5.948	ug/l #	16
43) Isopropyl Acetate	8.700	43	12356	1.522	ug/l	92
45) 1,2-Dichloropropane	9.747	63	1478	0.468	ug/l #	43
48) Methyl methacrylate	9.747	41	93536	25.030	ug/l #	35
49) 1,4-Dioxane	9.747	88	53	0.780	ug/l #	1
51) 4-Methyl-2-Pentanone	10.482	43	3496	0.715	ug/l #	33
54) cis-1,3-Dichloropropene	10.365	75	62249	12.043	ug/l #	55
57) 1,3-Dichloropropane	11.212	76	3768	0.711	ug/l #	43
59) 2-Hexanone	11.212	43	56902	18.073	ug/l #	45
71) Bromoform	12.853	173	1087	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	93241	20.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93241	46.558	ug/l #	16

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

Quant Time: Jun 13 01:27:41 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

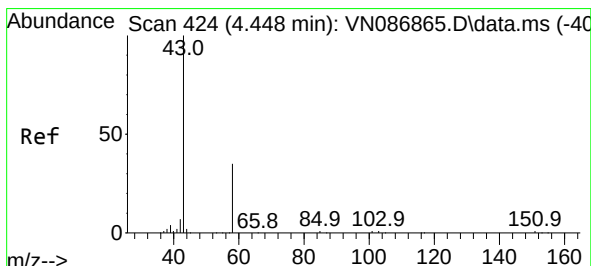
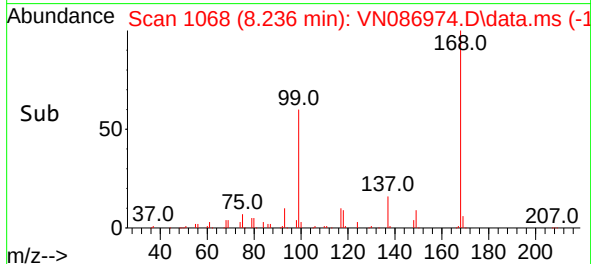
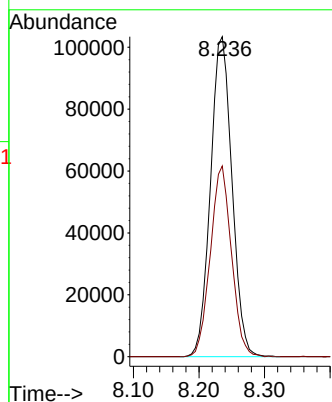
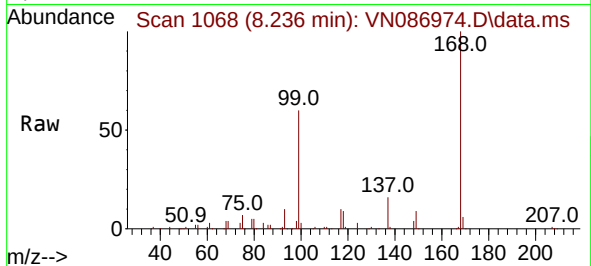




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

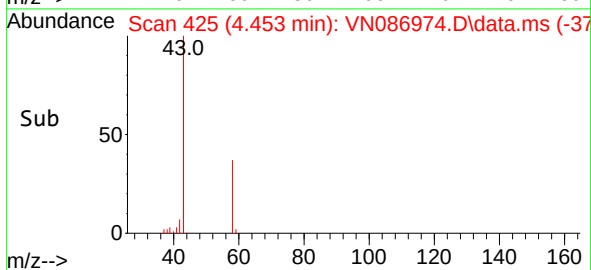
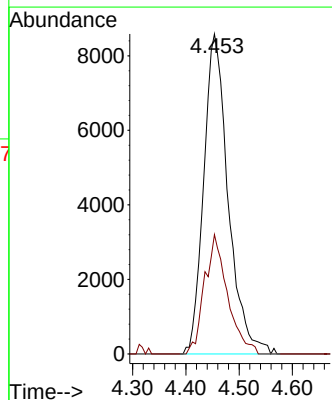
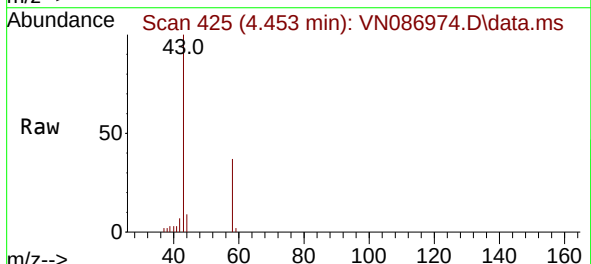
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

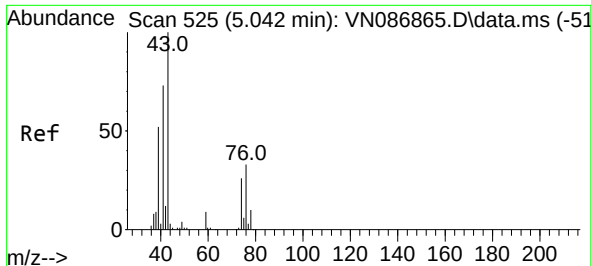
Tgt Ion:168 Resp: 235101
Ion Ratio Lower Upper
168 100
99 59.6 49.1 73.7



#16
Acetone
Concen: 16.431 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 43 Resp: 27428
Ion Ratio Lower Upper
43 100
58 37.3 28.0 42.0

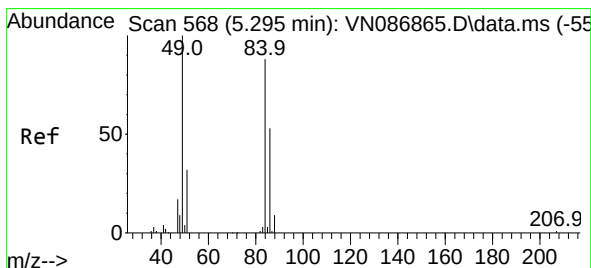
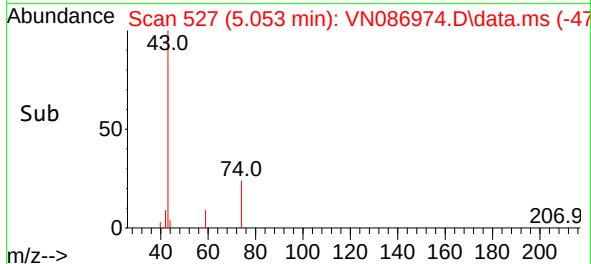
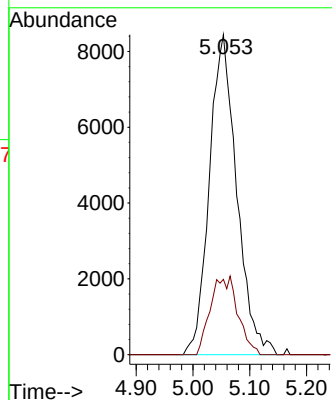
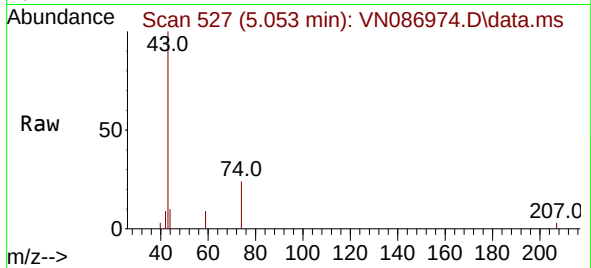




#18
Methyl Acetate
Concen: 5.803 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

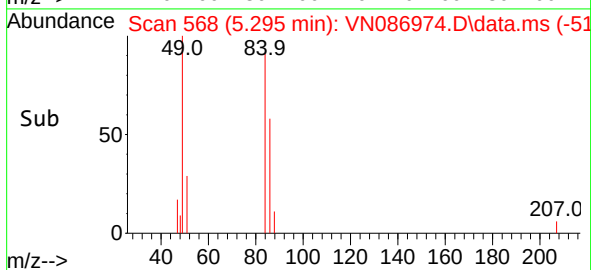
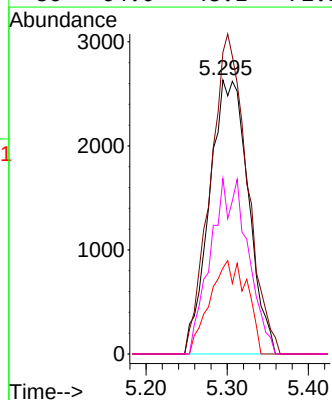
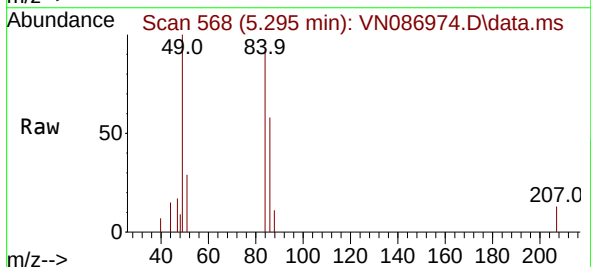
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

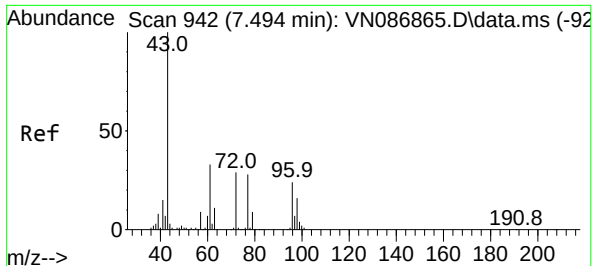
Tgt Ion: 43 Resp: 28230
Ion Ratio Lower Upper
43 100
74 24.5 20.7 31.1



#20
Methylene Chloride
Concen: 2.804 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 84 Resp: 8764
Ion Ratio Lower Upper
84 100
49 110.1 90.5 135.7
51 31.4 28.5 42.7
86 64.0 48.1 72.1

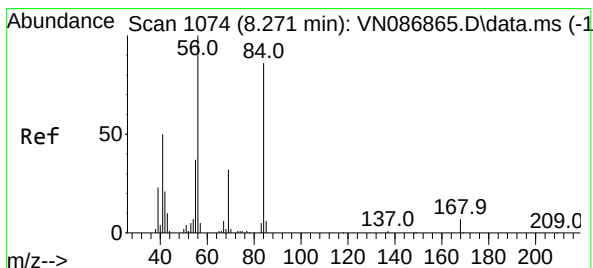
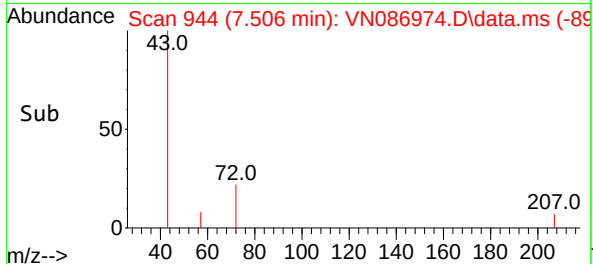
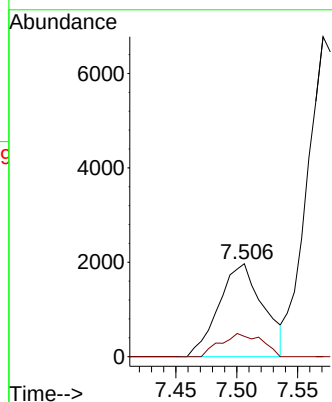
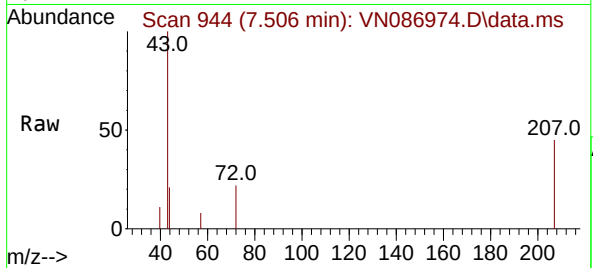




#25
2-Butanone
Concen: 1.831 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

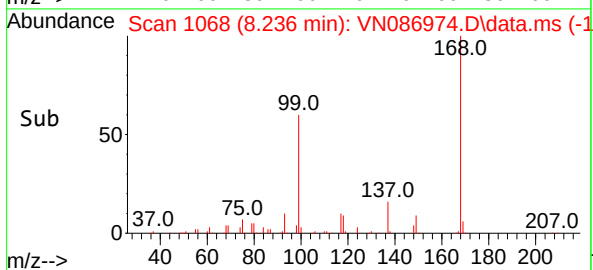
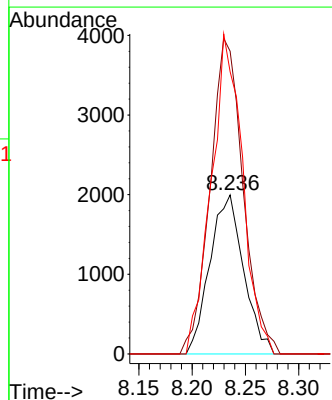
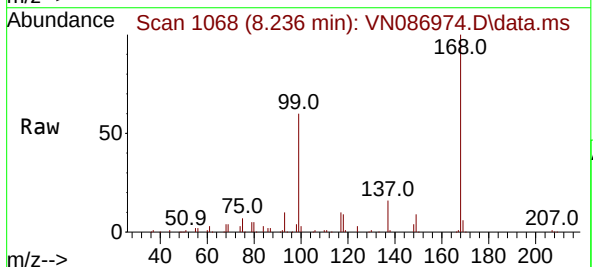
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

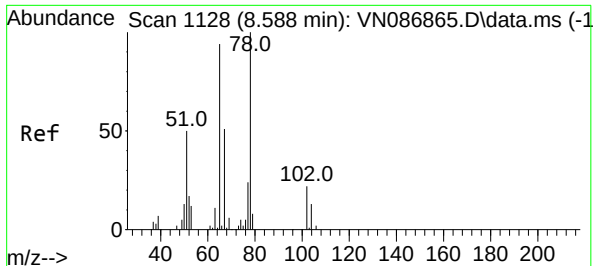
Tgt Ion: 43 Resp: 4969
Ion Ratio Lower Upper
43 100
72 21.8 23.0 34.6#



#31
Cyclohexane
Concen: 0.862 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 56 Resp: 4399
Ion Ratio Lower Upper
56 100
69 190.5 25.4 38.0#
84 177.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.082 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086974.D

Acq: 12 Jun 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

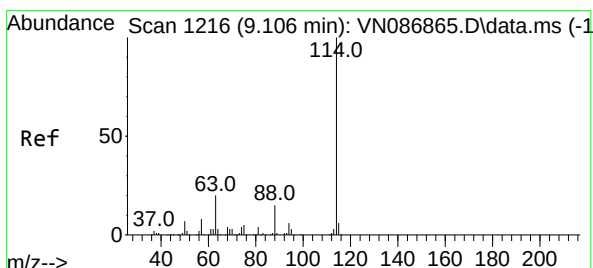
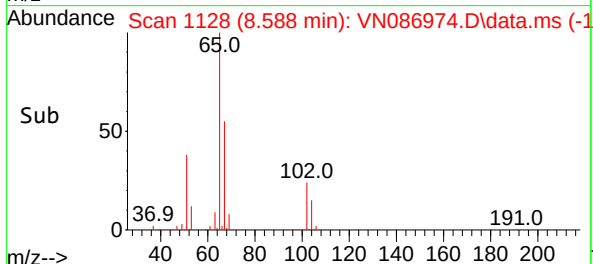
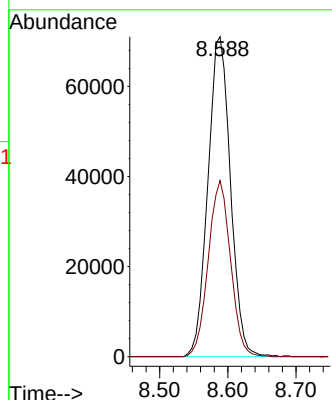
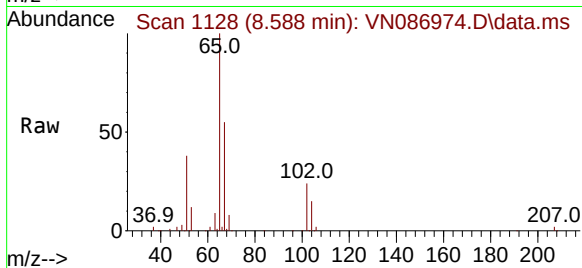
TP-13-MHP-WC

Tgt Ion: 65 Resp: 163940

Ion Ratio Lower Upper

65 100

67 54.3 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: VN086974.D

Acq: 12 Jun 2025 14:00

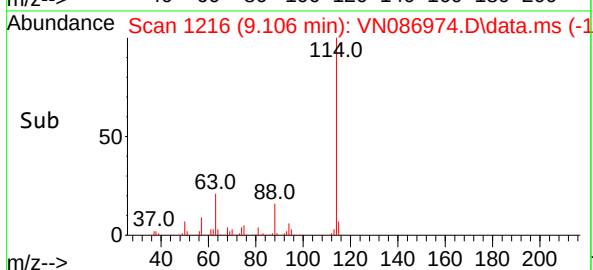
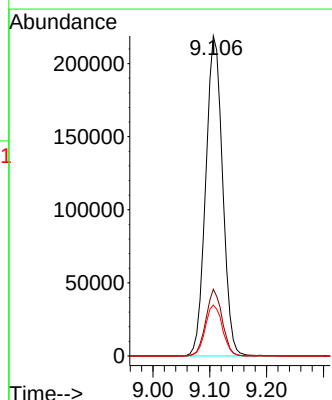
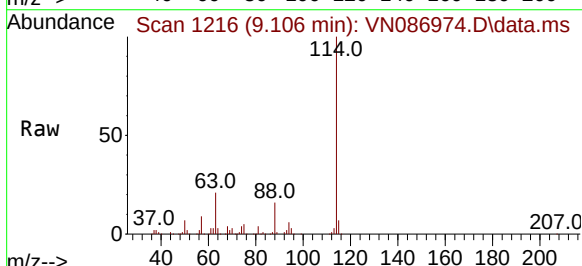
Tgt Ion: 114 Resp: 450003

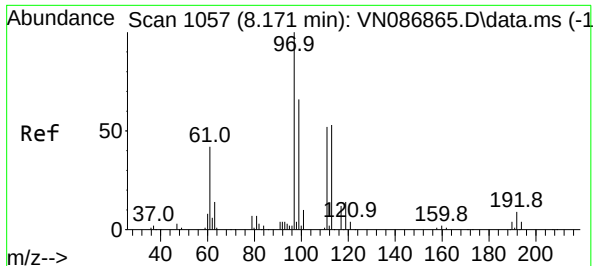
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.966 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086974.D

Acq: 12 Jun 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

TP-13-MHP-WC

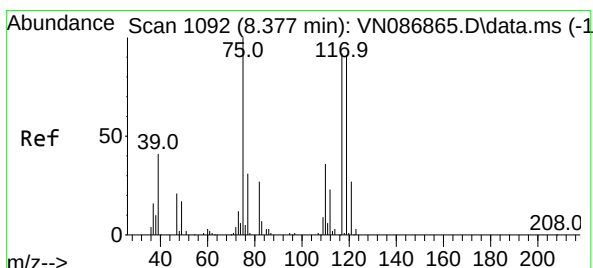
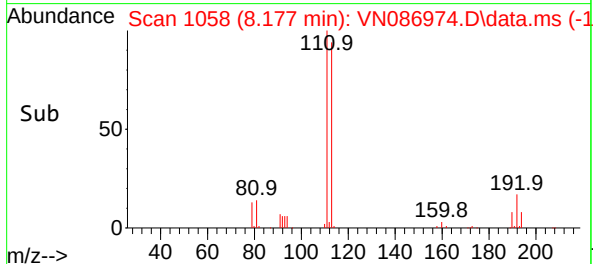
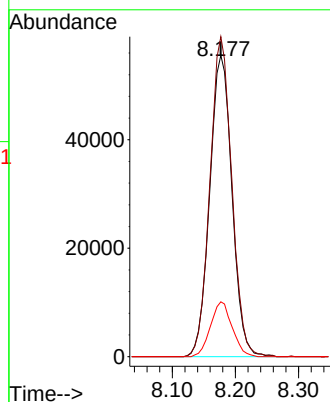
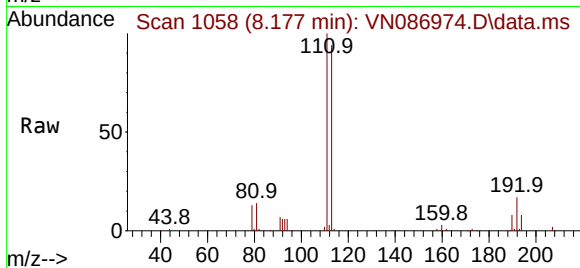
Tgt Ion:113 Resp: 135918

Ion Ratio Lower Upper

113 100

111 104.1 84.2 126.2

192 17.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.464 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086974.D

Acq: 12 Jun 2025 14:00

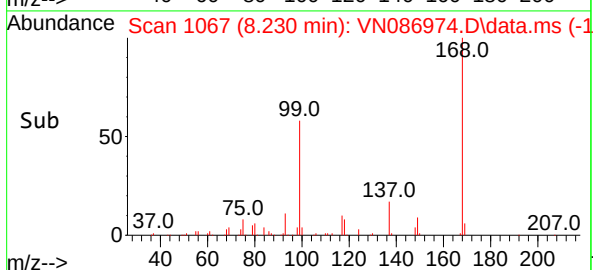
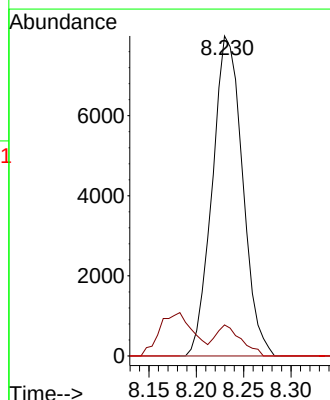
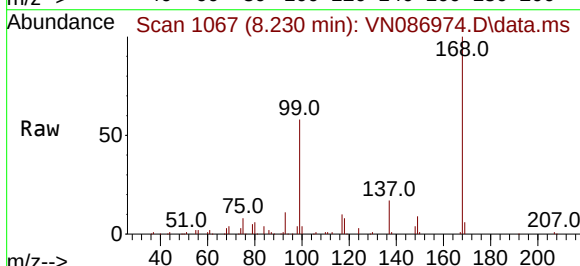
Tgt Ion: 75 Resp: 17738

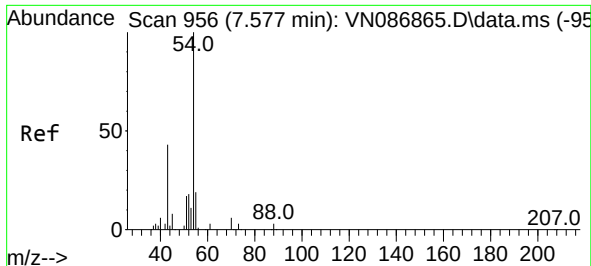
Ion Ratio Lower Upper

75 100

110 8.2 17.6 52.9#

77 0.0 25.3 37.9#

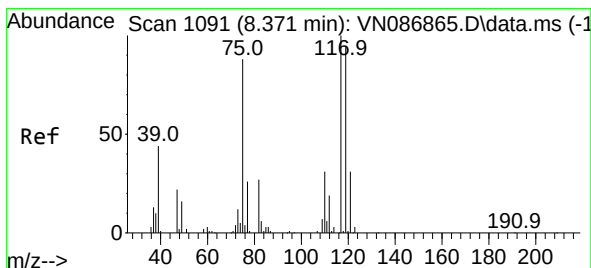
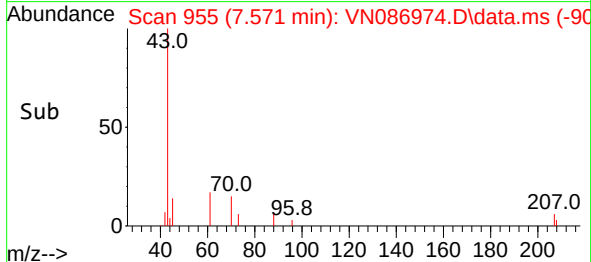
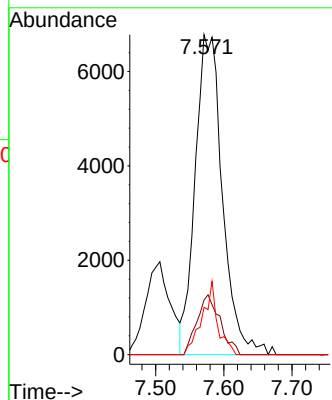
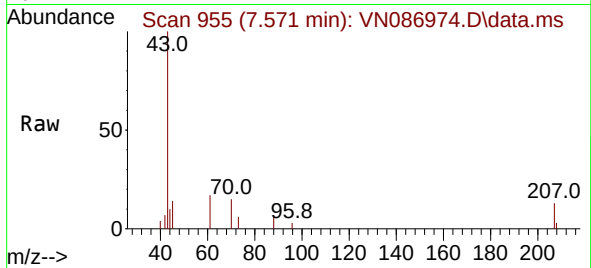




#37
Ethyl Acetate
Concen: 3.724 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

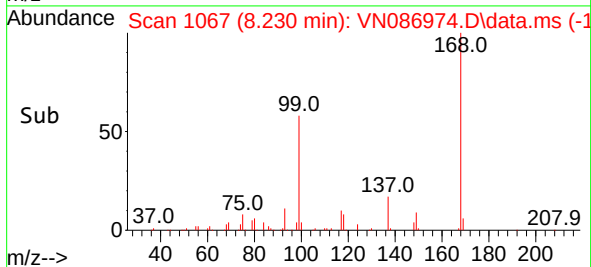
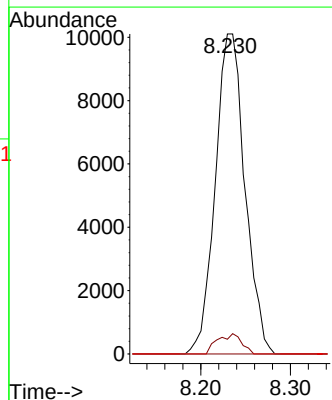
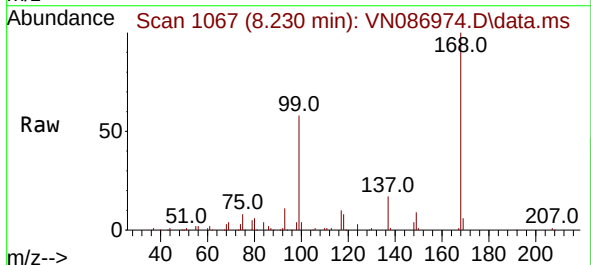
Instrument :
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TP-13-MHP-WC

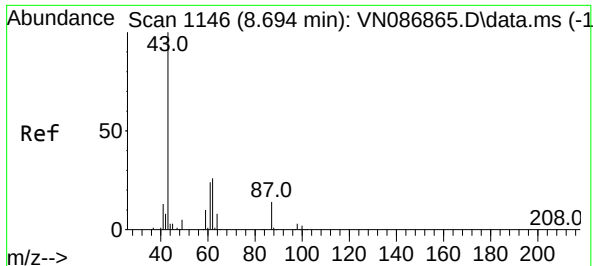
Tgt Ion:	43	Resp:	18841
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.1	18.1
70	13.1	9.8	14.6



#38
Carbon Tetrachloride
Concen: 5.948 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion:	117	Resp:	23204
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.0	112.6#
121	0.0	24.9	37.3#

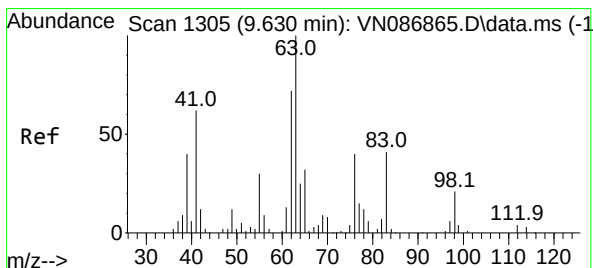
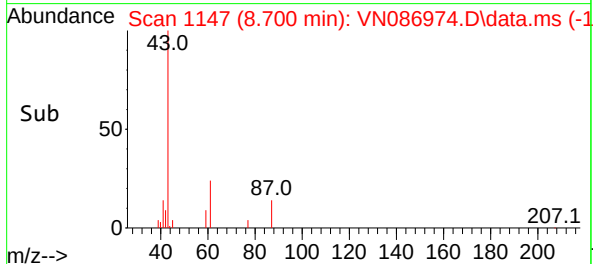
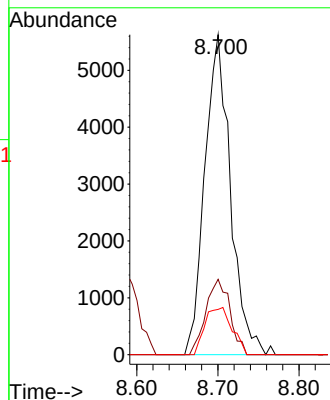
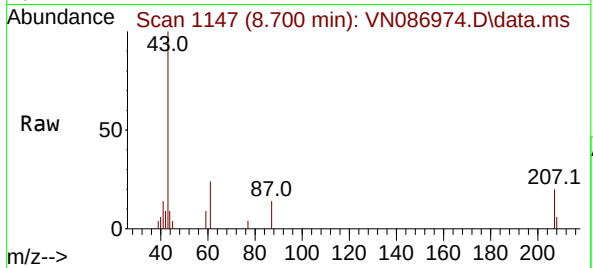




#43
Isopropyl Acetate
Concen: 1.522 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

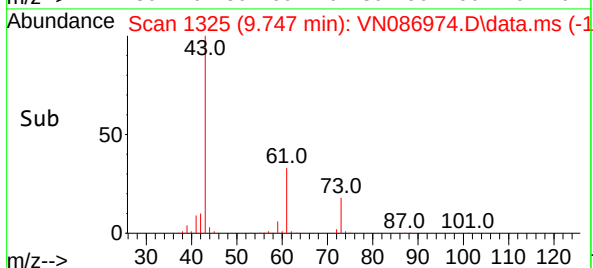
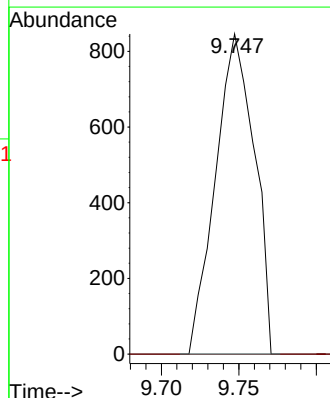
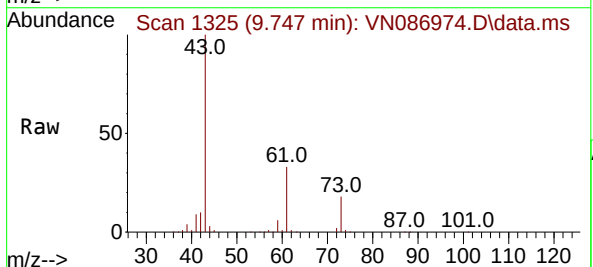
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

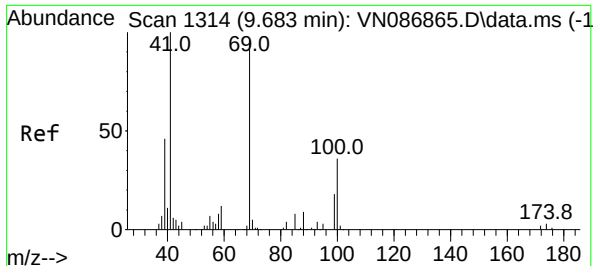
Tgt Ion: 43	Resp: 12356
Ion Ratio	Lower Upper
43 100	
61 22.1	22.1 33.1
87 15.5	11.8 17.6



#45
1,2-Dichloropropane
Concen: 0.468 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 63	Resp: 1478		
Ion Ratio	Lower	Upper	
63 100			
65 0.0	25.5	38.3#	

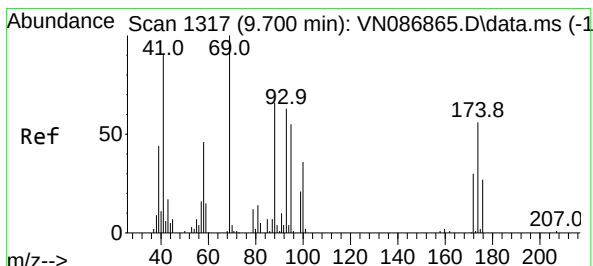
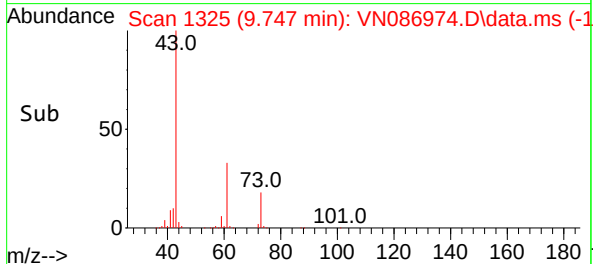
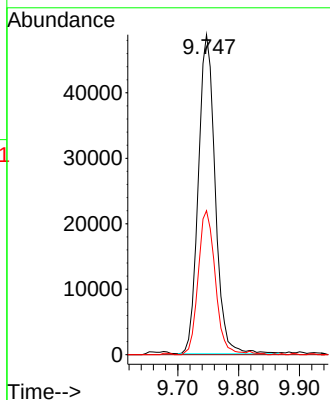
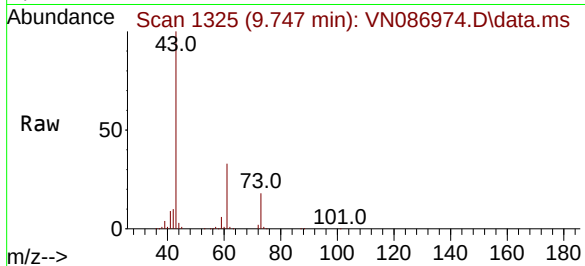




#48
Methyl methacrylate
Concen: 25.030 ug/l
RT: 9.747 min Scan# 1314
Delta R.T. 0.065 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

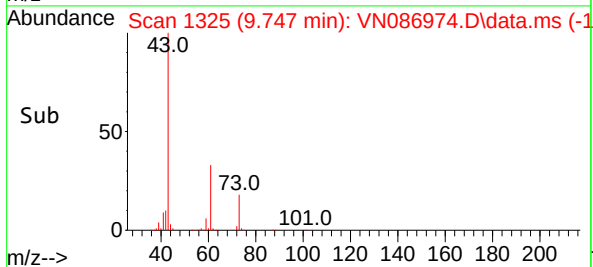
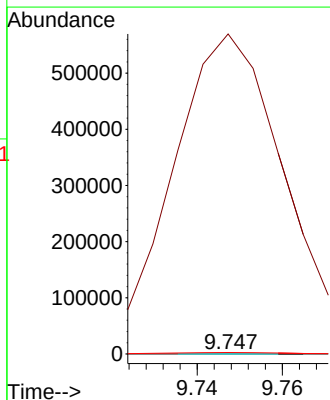
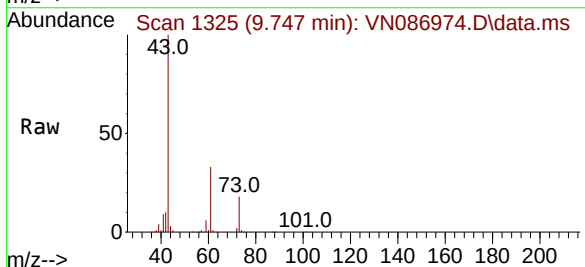
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

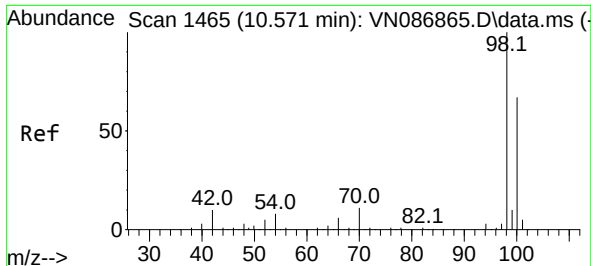
Tgt Ion: 41 Resp: 93536
Ion Ratio Lower Upper
41 100
69 0.0 74.6 112.0#
39 45.8 40.2 60.4



#49
1,4-Dioxane
Concen: 0.780 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2064028.3 0.0 0.0#
58 9688.7 57.7 86.5#

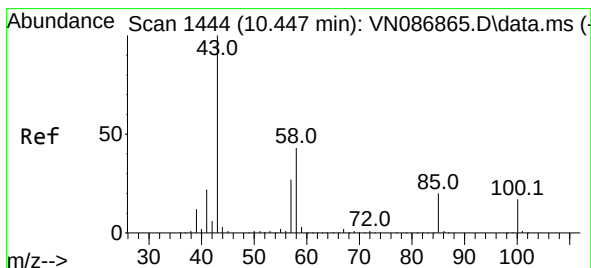
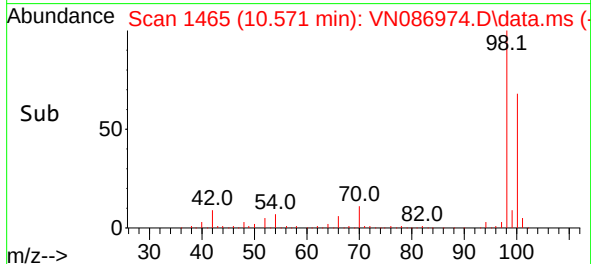
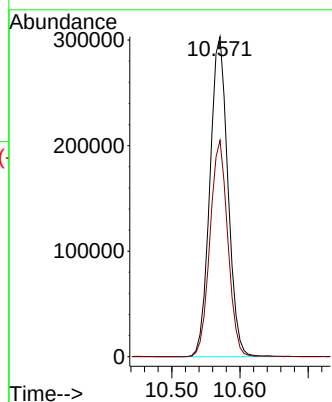
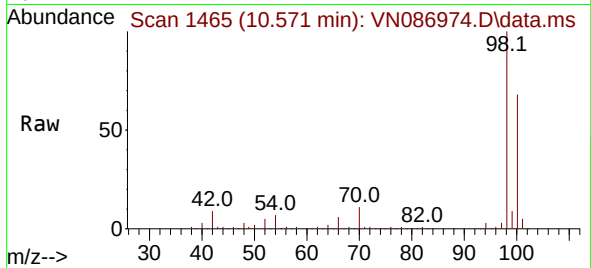




#50
Toluene-d8
Concen: 52.767 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

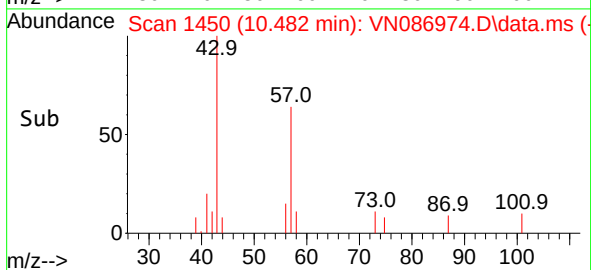
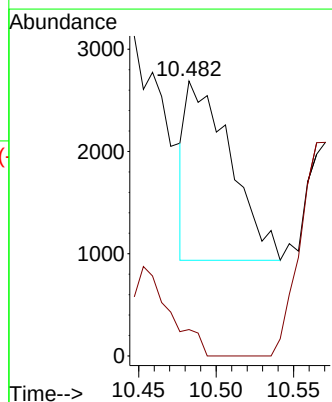
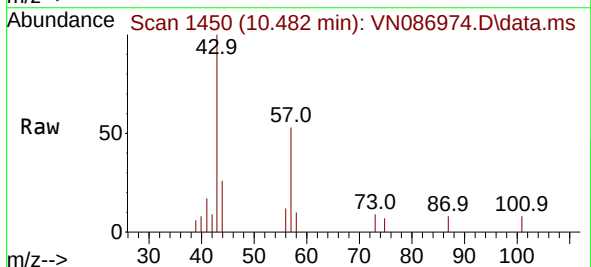
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

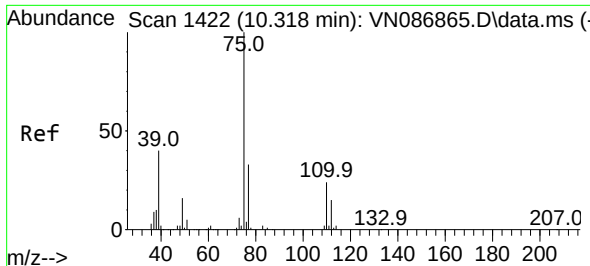
Tgt Ion: 98 Resp: 557074
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.715 ug/l
RT: 10.482 min Scan# 1450
Delta R.T. 0.035 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.4#

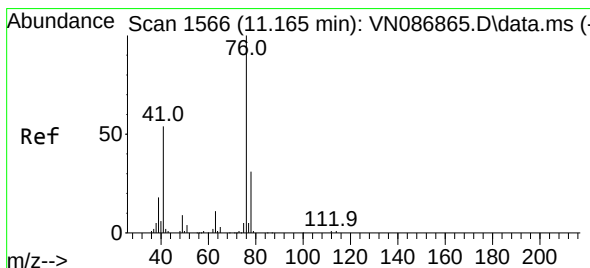
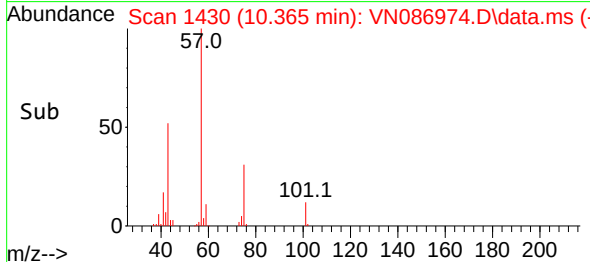
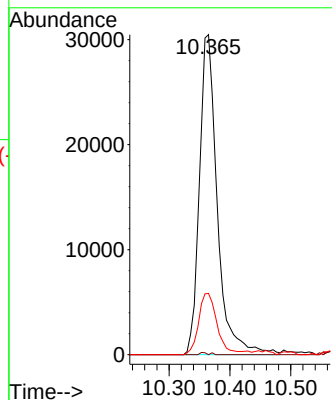
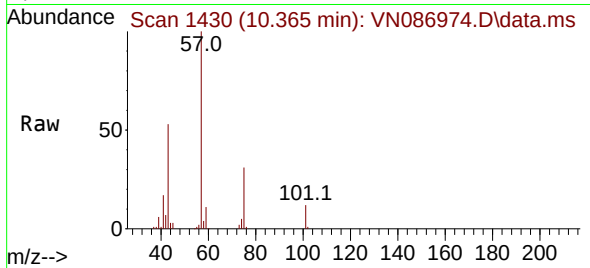




#54
 cis-1,3-Dichloropropene
 Concen: 12.043 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN086974.D
 Acq: 12 Jun 2025 14:00

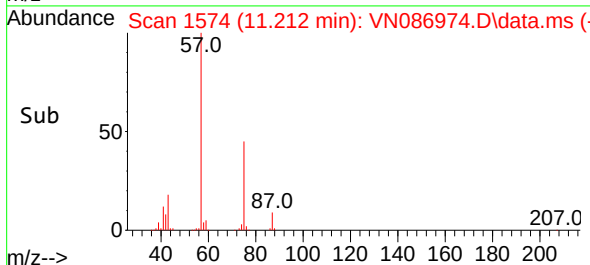
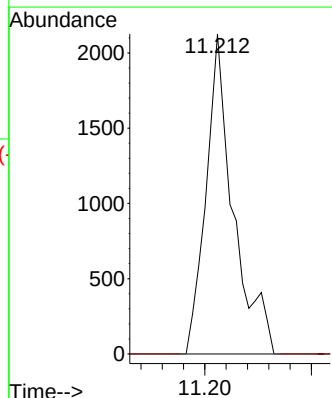
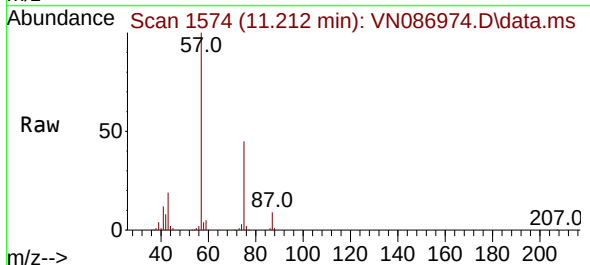
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13-MHP-WC

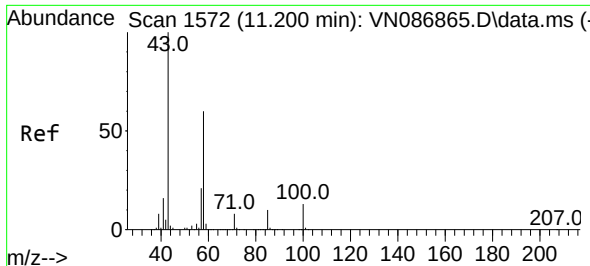
Tgt Ion: 75 Resp: 62249
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 19.1 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.711 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN086974.D
 Acq: 12 Jun 2025 14:00

Tgt Ion: 76 Resp: 3768
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

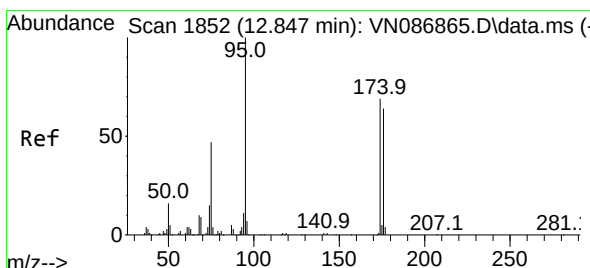
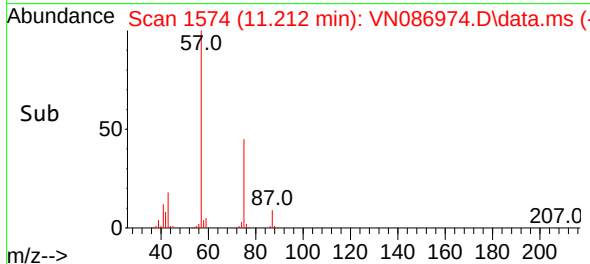
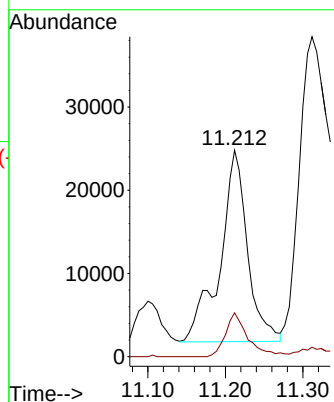
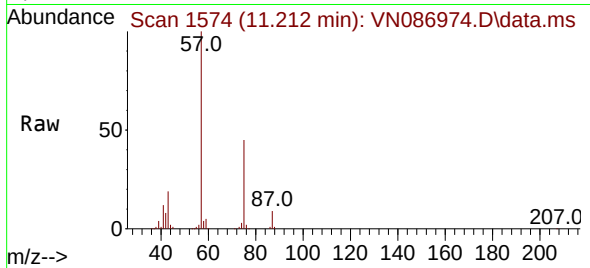




#59
2-Hexanone
Concen: 18.073 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

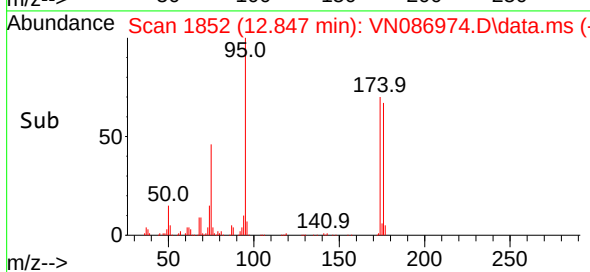
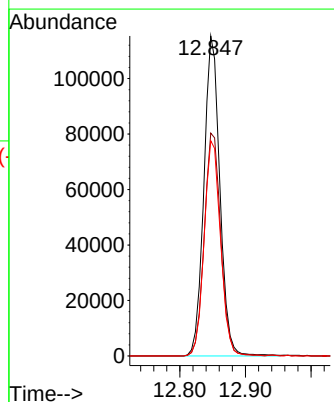
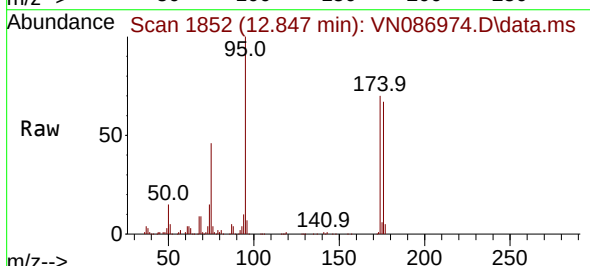
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

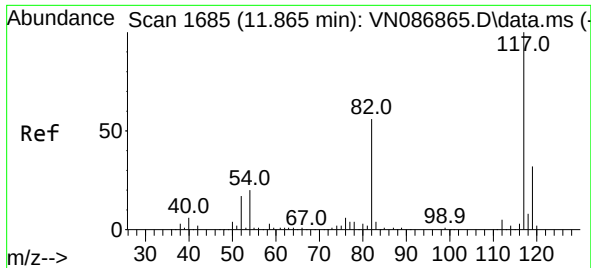
Tgt Ion: 43 Resp: 56902
Ion Ratio Lower Upper
43 100
58 19.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 49.864 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion: 95 Resp: 195584
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.8
176 68.9 0.0 132.6

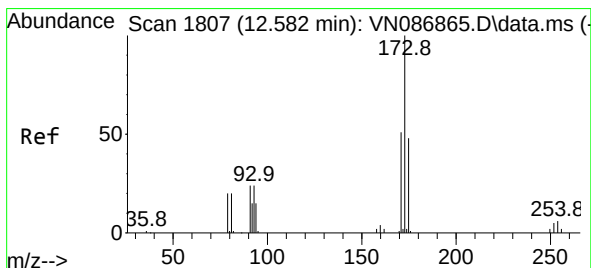
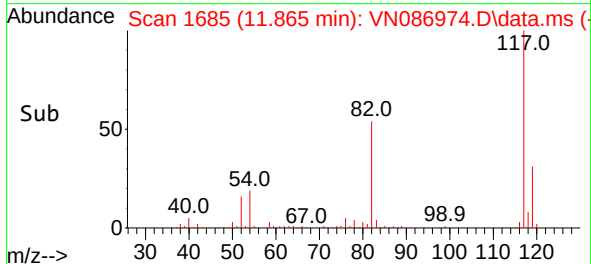
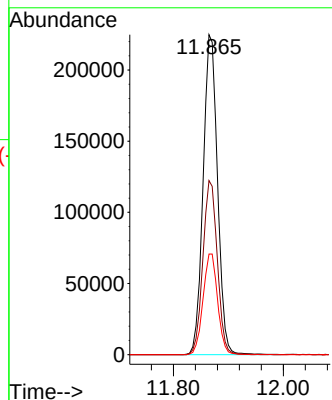
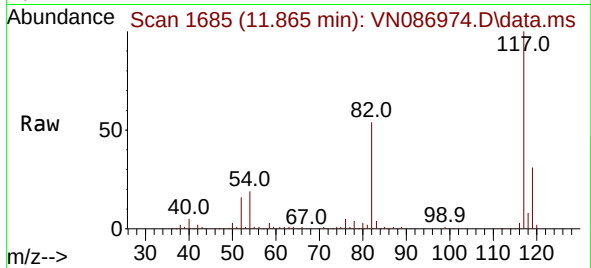




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

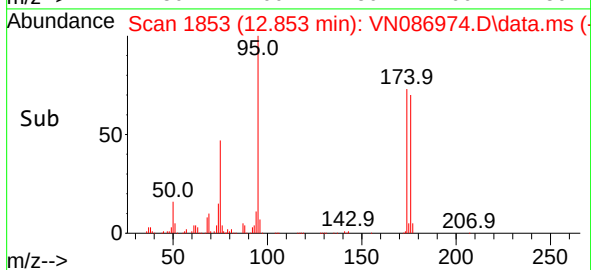
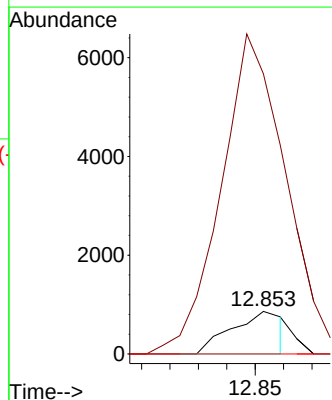
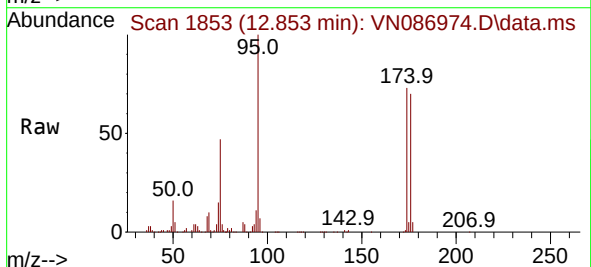
Instrument :
MSVOA_N
ClientSampleId :
TP-13-MHP-WC

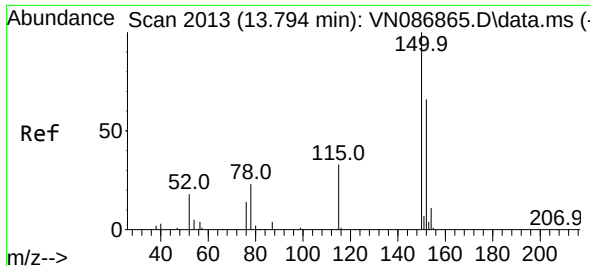
Tgt Ion:117 Resp: 408636
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.5 25.5 38.3



#71
Bromoform
Concen: 0.506 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN086974.D
Acq: 12 Jun 2025 14:00

Tgt Ion:173 Resp: 1087
Ion Ratio Lower Upper
173 100
175 811.4 24.1 72.4#
254 0.0 0.0 0.0

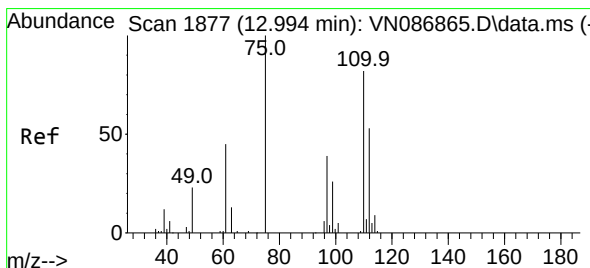
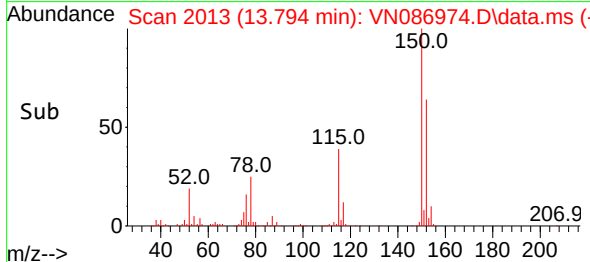
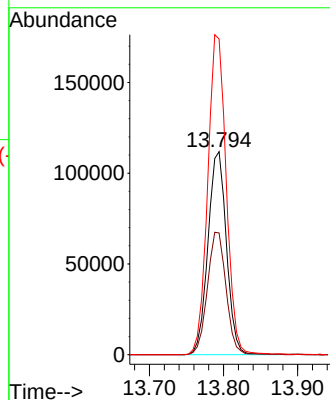
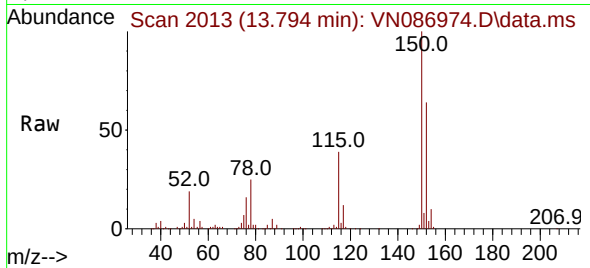




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086974.D
 Acq: 12 Jun 2025 14:00

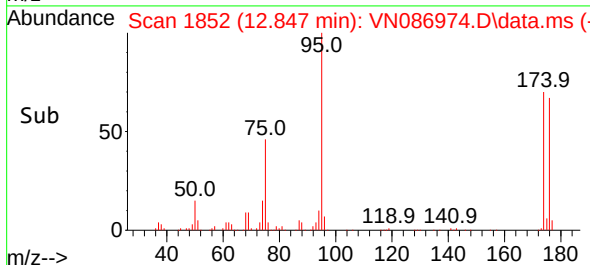
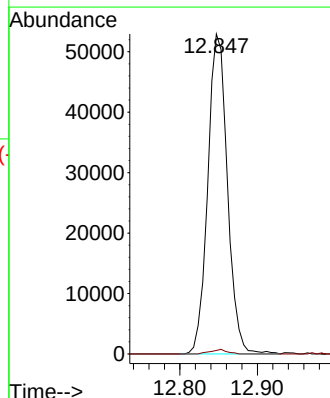
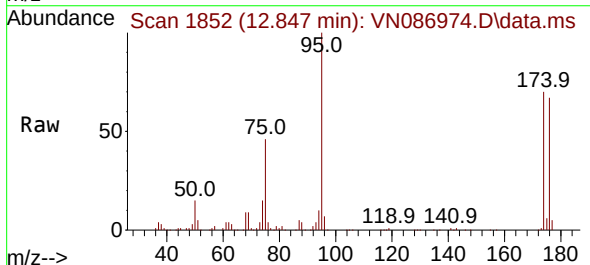
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13-MHP-WC

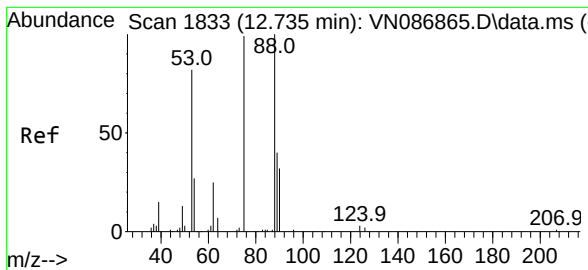
Tgt Ion:152 Resp: 193941
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.1 90.5
 150 157.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.226 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086974.D
 Acq: 12 Jun 2025 14:00

Tgt Ion: 75 Resp: 93241
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.558 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086974.D
 Acq: 12 Jun 2025 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13-MHP-WC

Tgt Ion: 75 Resp: 93241
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.2 36.7 55.1#

