

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086133.D
 Acq On : 26 Mar 2025 18:00
 Operator : JC\MD
 Sample : Q1641-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NP-WS-003

Quant Time: Mar 27 01:43:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	168751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122103	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125717	54.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.800%
35) Dibromofluoromethane	8.165	113	109372	50.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	10.565	98	375240	47.400	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.847	95	128545	45.531	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.060%

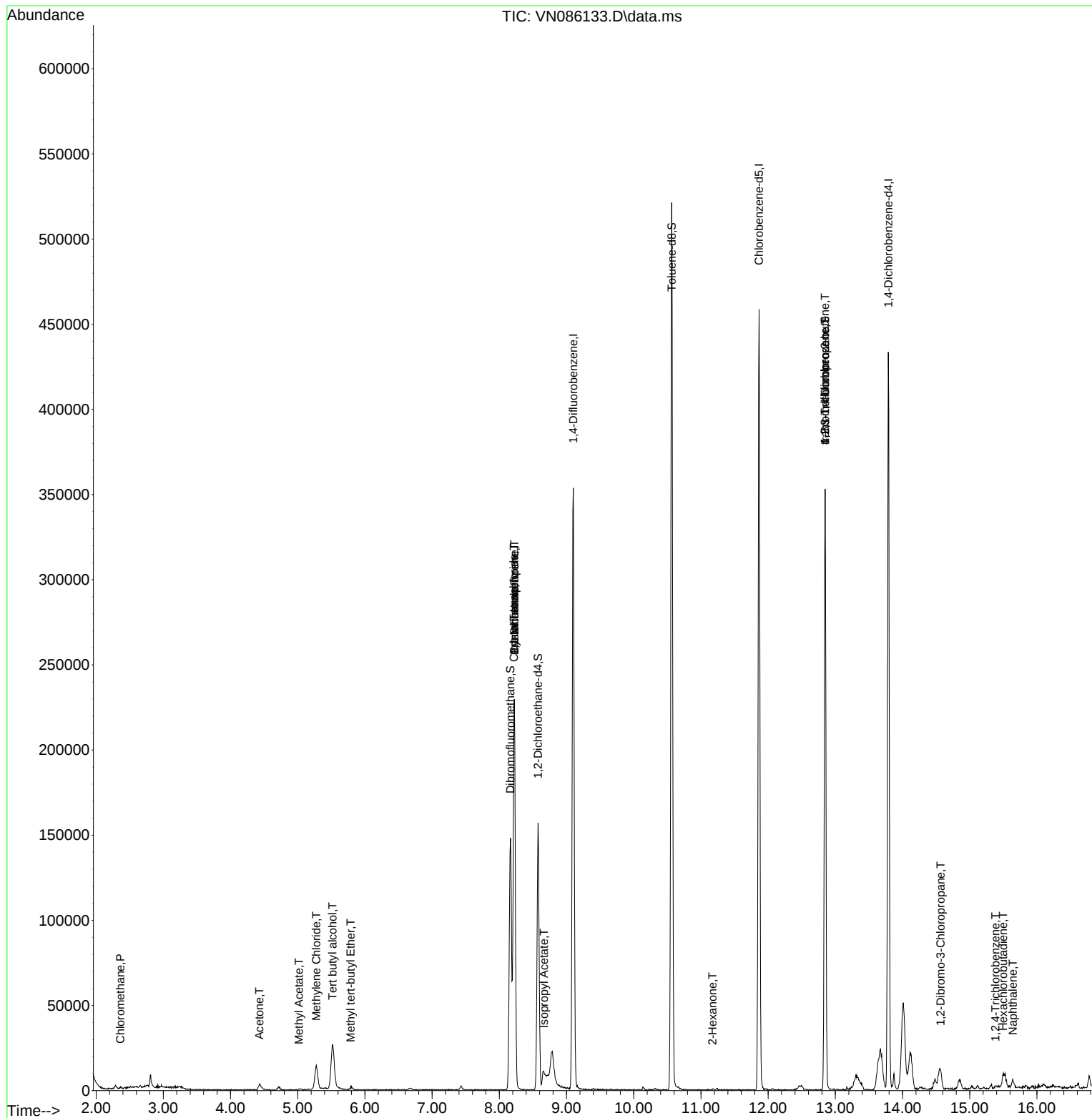
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.359	50	516	0.263	ug/l #	63
11) Tert butyl alcohol	5.518	59	47221	144.334	ug/l	99
16) Acetone	4.430	43	6471	9.166	ug/l	97
18) Methyl Acetate	5.018	43	451	0.258	ug/l #	74
19) Methyl tert-butyl Ether	5.789	73	2811	0.496	ug/l #	56
20) Methylene Chloride	5.277	84	11751	5.690	ug/l #	92
31) Cyclohexane	8.224	56	3183	1.105	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13200	4.596	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17245	4.567	ug/l #	17
43) Isopropyl Acetate	8.665	43	6736	1.283	ug/l #	50
59) 2-Hexanone	11.171	43	627	0.372	ug/l #	18
76) 1,2,3-Trichloropropane	12.847	75	61688	22.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61688	59.661	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.565	75	191	0.339	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.382	180	638	0.305	ug/l #	4
94) Hexachlorobutadiene	15.494	225	445	0.366	ug/l	80
95) Naphthalene	15.641	128	4506	0.743	ug/l	97

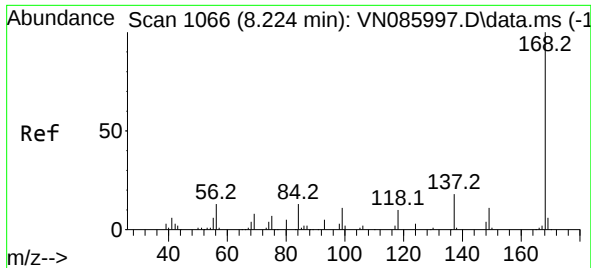
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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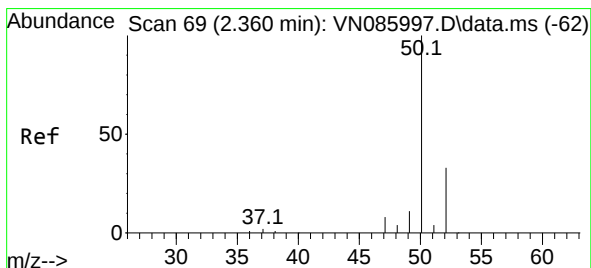
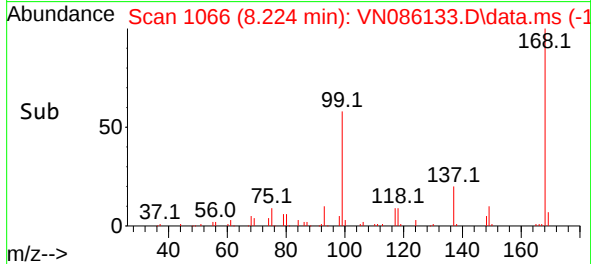
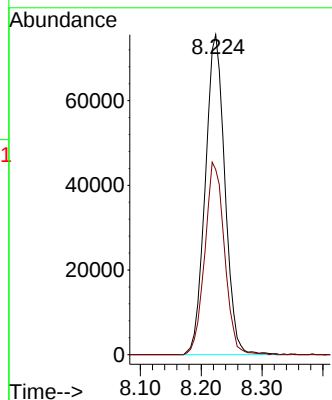
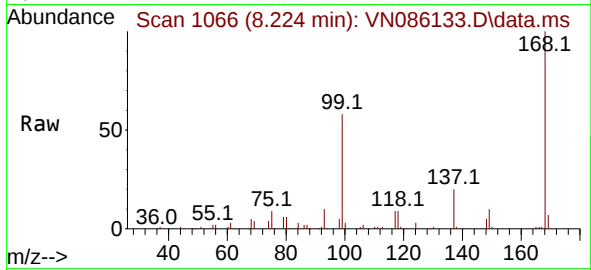




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

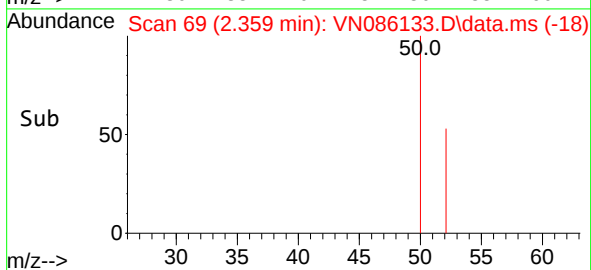
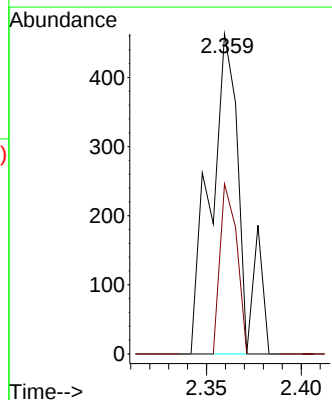
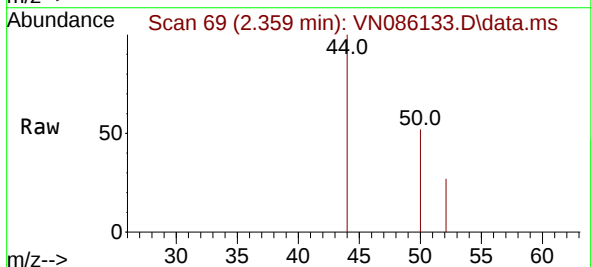
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

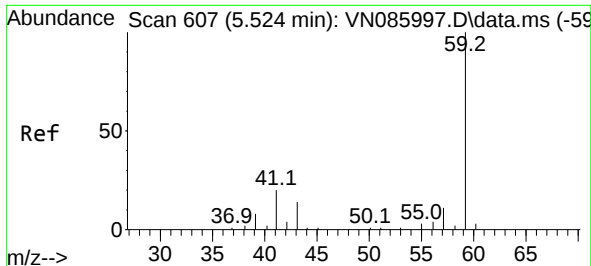
Tgt Ion:168 Resp: 168751
Ion Ratio Lower Upper
168 100
99 57.8 49.4 74.2



#3
Chloromethane
Concen: 0.263 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 53.1 26.0 39.0#

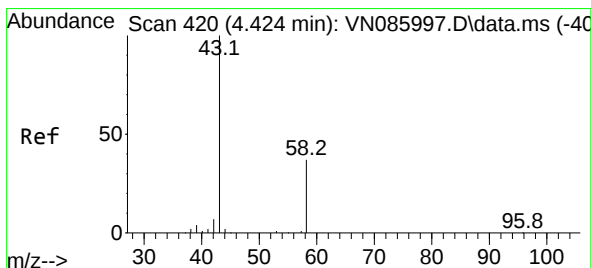
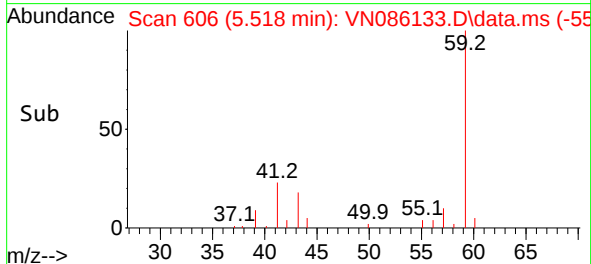
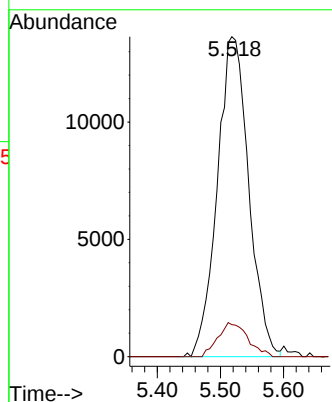
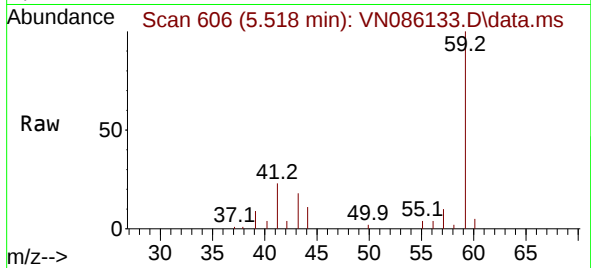




#11
Tert butyl alcohol
Concen: 144.334 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

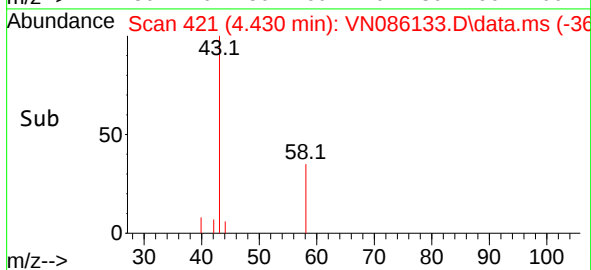
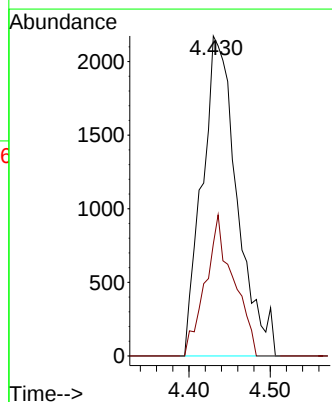
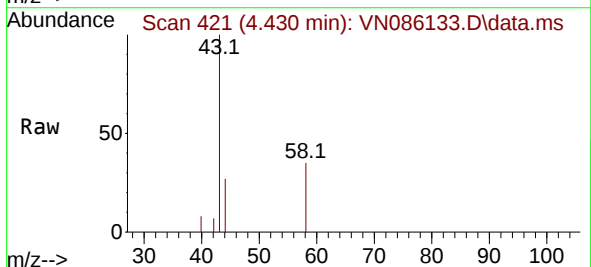
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

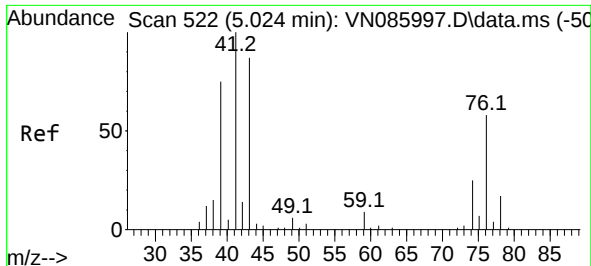
Tgt Ion: 59 Resp: 47221
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9



#16
Acetone
Concen: 9.166 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 43 Resp: 6471
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2

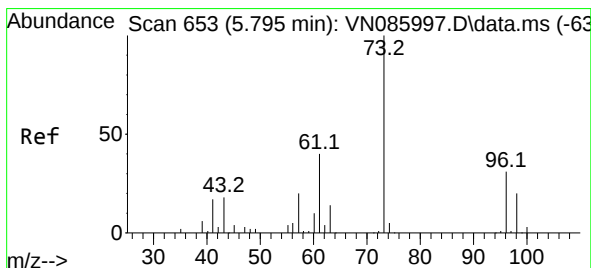
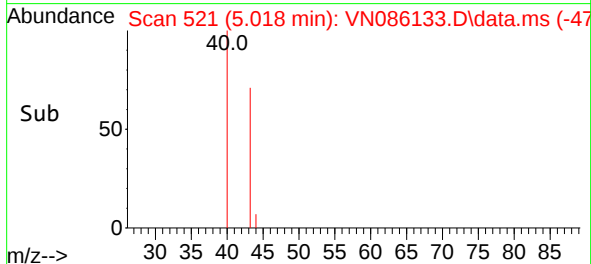
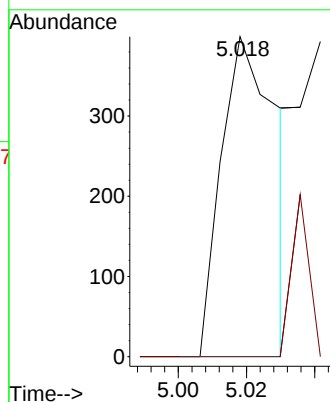
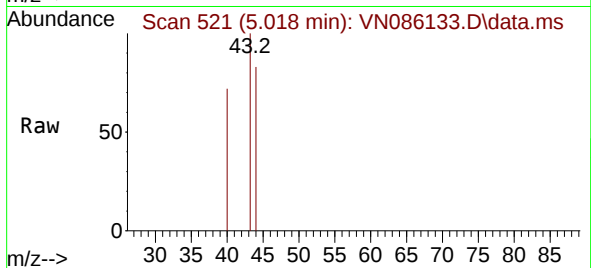




#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

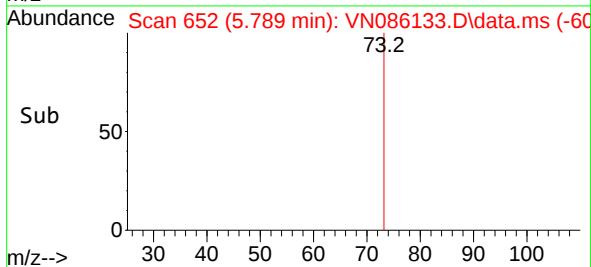
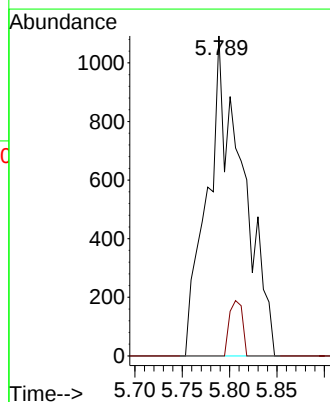
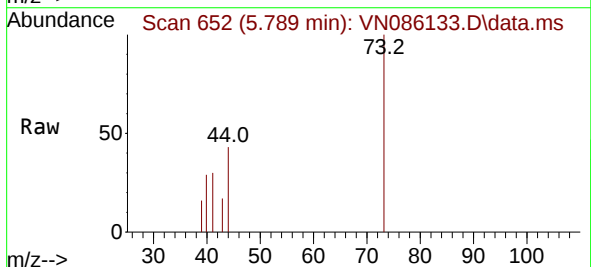
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

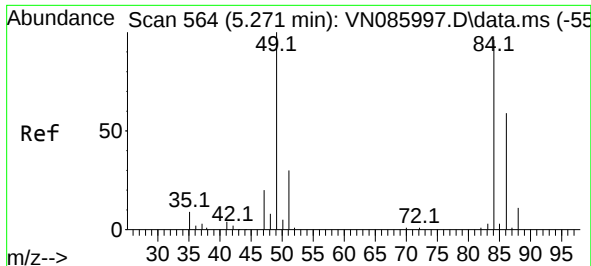
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
74 15.7 23.9 35.9#



#19
Methyl tert-butyl Ether
Concen: 0.496 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 73 Resp: 2811
Ion Ratio Lower Upper
73 100
57 0.0 16.1 24.1#

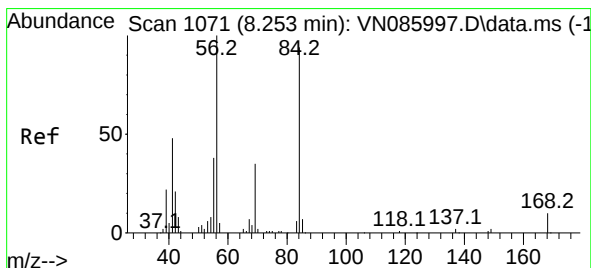
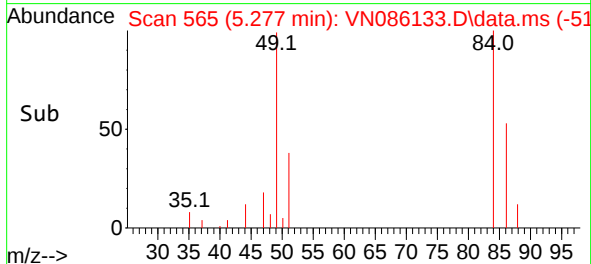
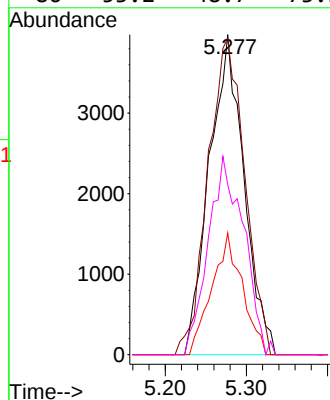
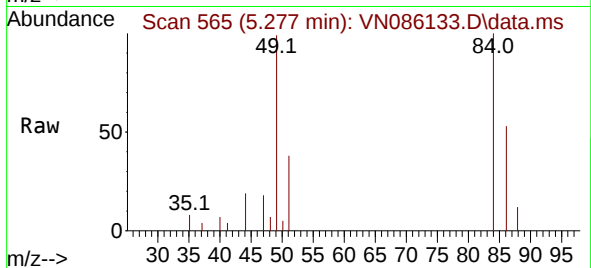




#20
Methylene Chloride
Concen: 5.690 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

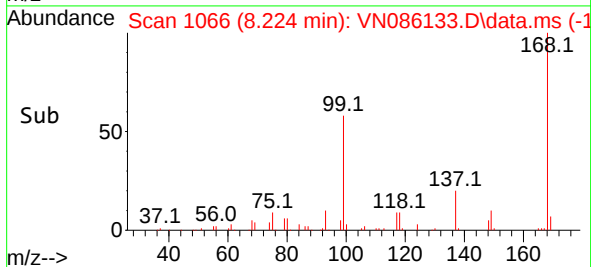
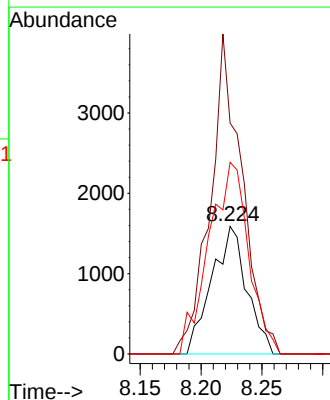
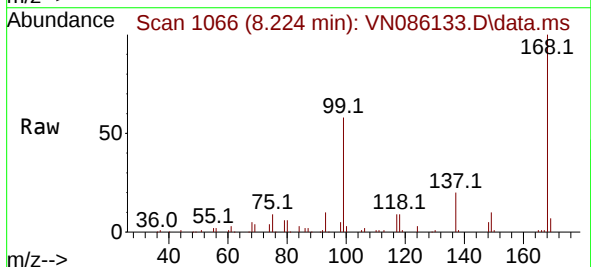
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

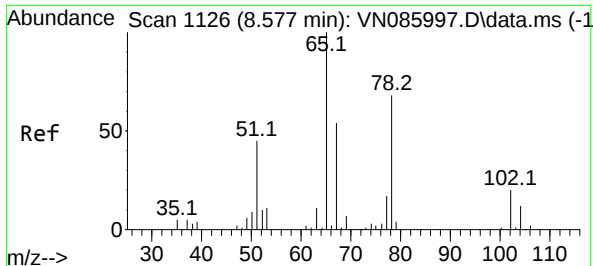
Tgt Ion: 84	Resp: 11751
Ion Ratio	Lower Upper
84 100	
49 98.9	83.3 124.9
51 38.1	24.8 37.2#
86 53.2	48.7 73.1



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 56	Resp: 3183		
Ion Ratio	Lower	Upper	
56	100		
69	181.0	28.0	42.0#
84	150.3	75.0	112.6#





#33

1,2-Dichloroethane-d4

Concen: 54.405 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

Instrument :

MSVOA_N

ClientSampleId :

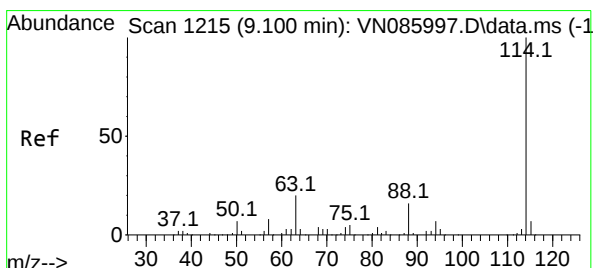
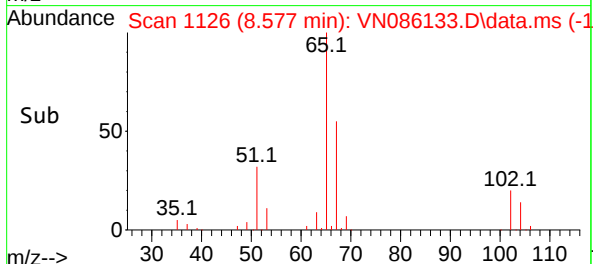
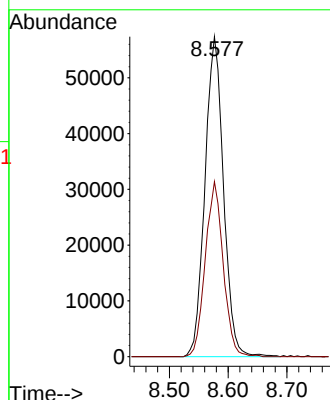
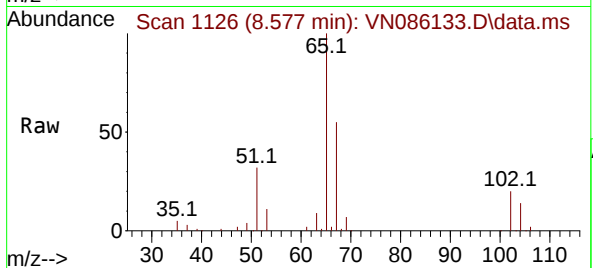
NP-WS-003

Tgt Ion: 65 Resp: 125717

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

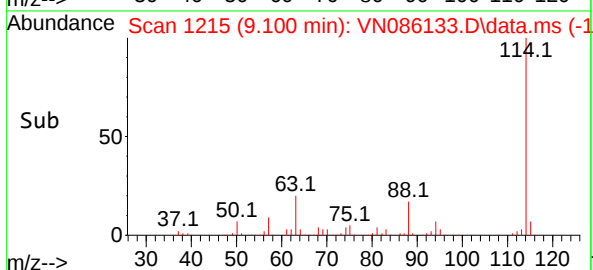
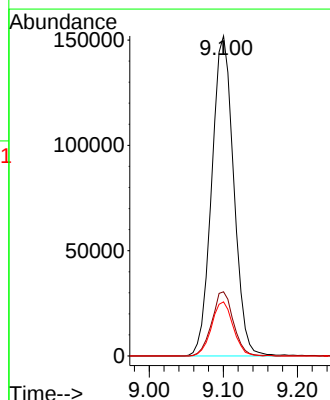
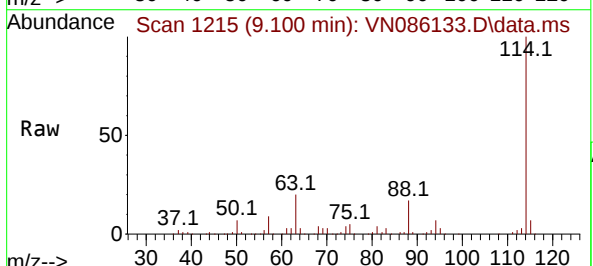
Tgt Ion: 114 Resp: 312504

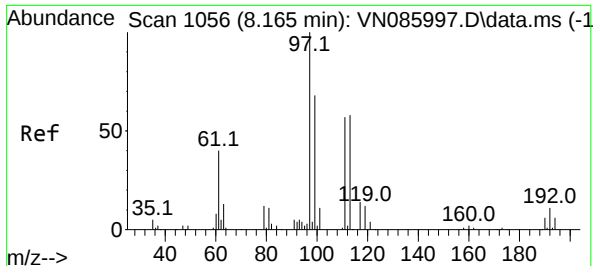
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.142 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

Instrument :

MSVOA_N

ClientSampleId :

NP-WS-003

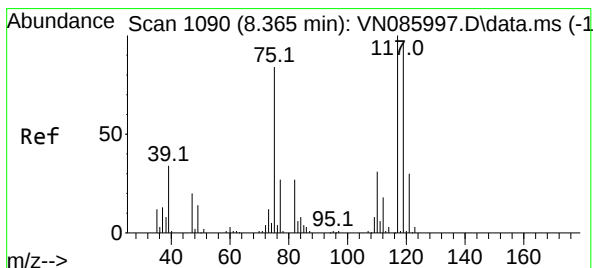
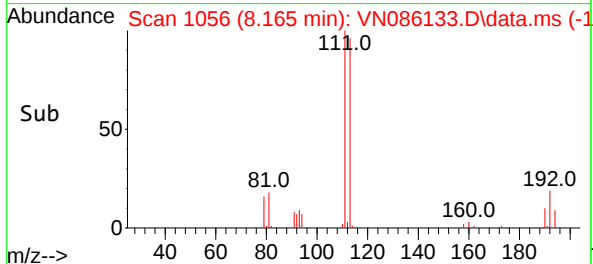
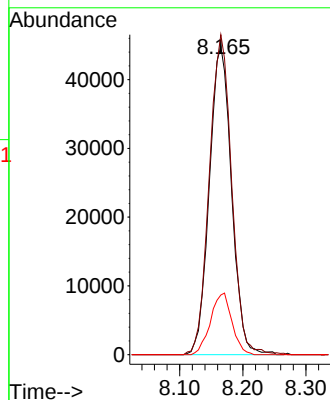
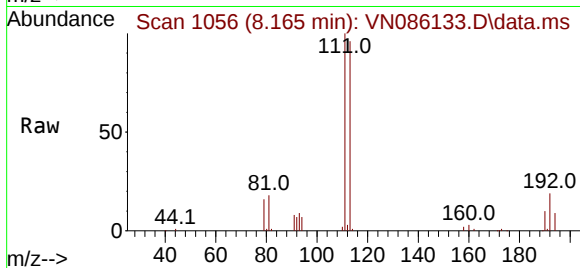
Tgt Ion:113 Resp: 109372

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

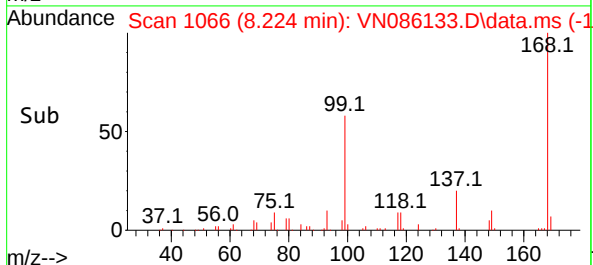
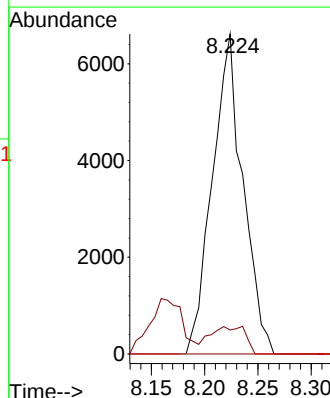
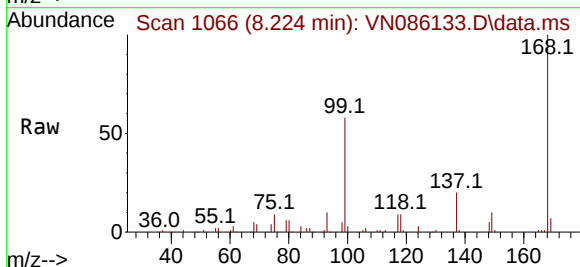
Tgt Ion: 75 Resp: 13200

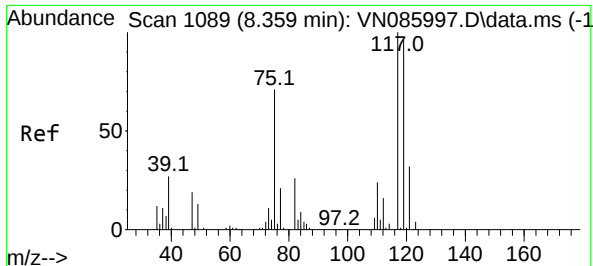
Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

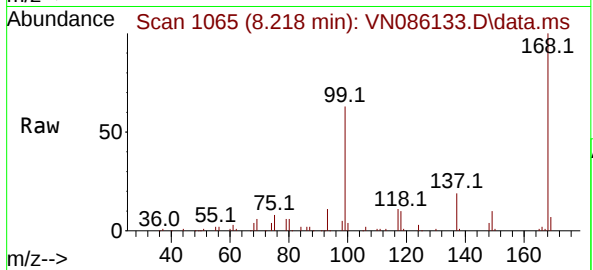
77 0.0 25.0 37.4#



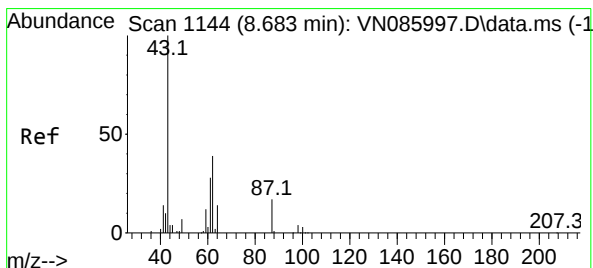
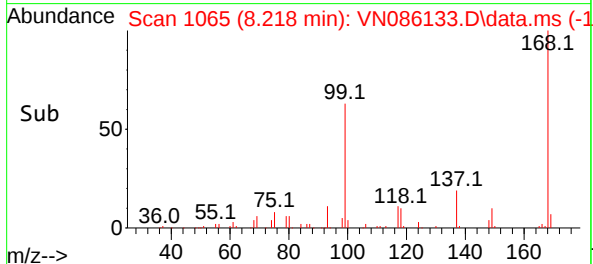
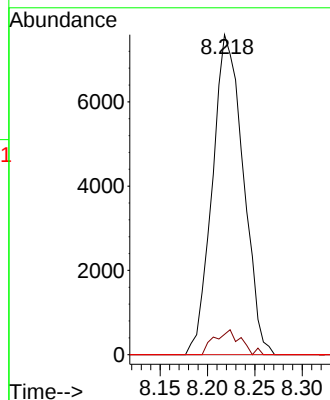


#38
Carbon Tetrachloride
Concen: 4.567 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

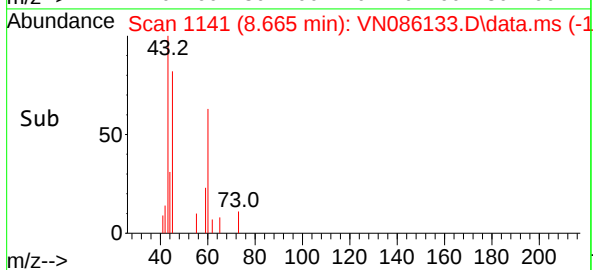
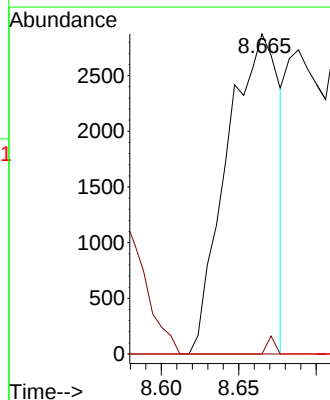
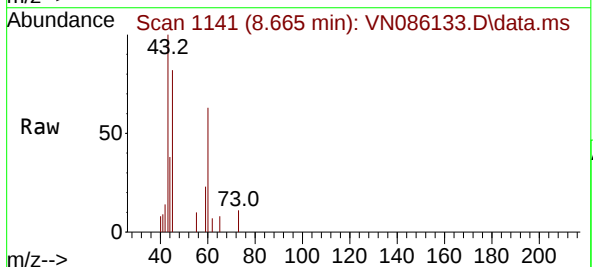


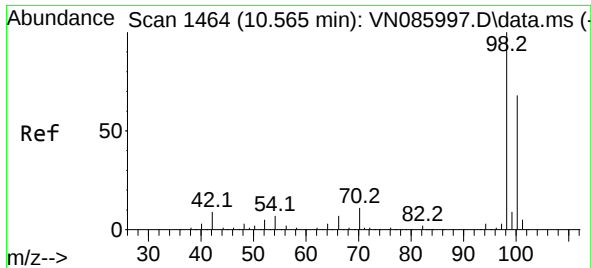
Tgt Ion:117 Resp: 17245
Ion Ratio Lower Upper
117 100
119 6.3 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 1.283 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 43 Resp: 6736
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

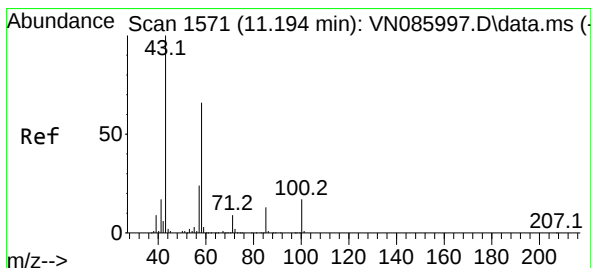
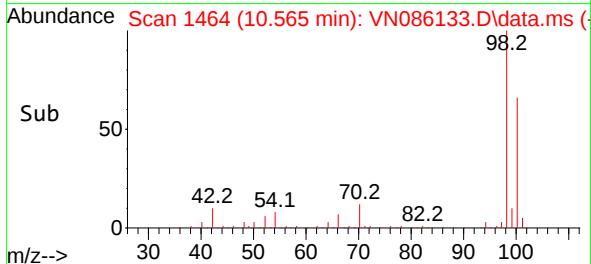
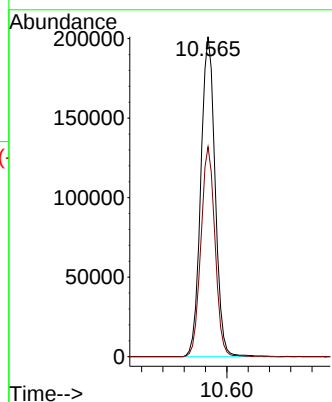
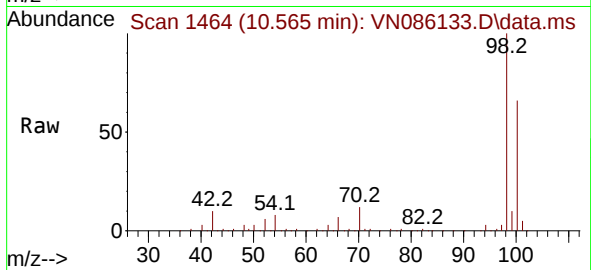




#50
Toluene-d8
Concen: 47.400 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

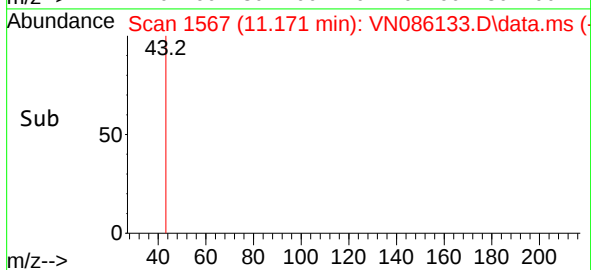
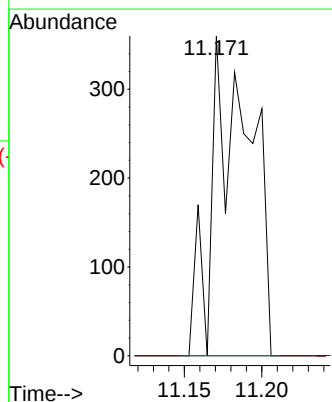
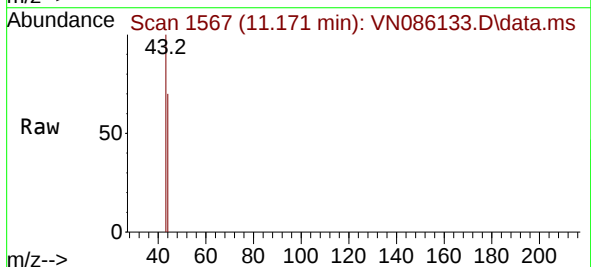
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

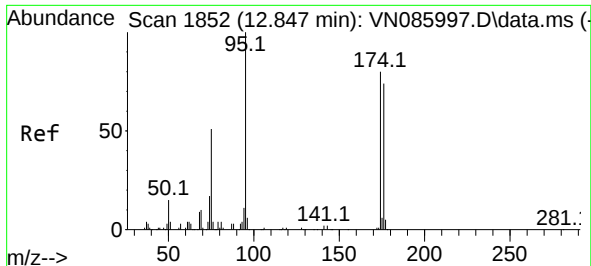
Tgt Ion: 98 Resp: 375240
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#59
2-Hexanone
Concen: 0.372 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#

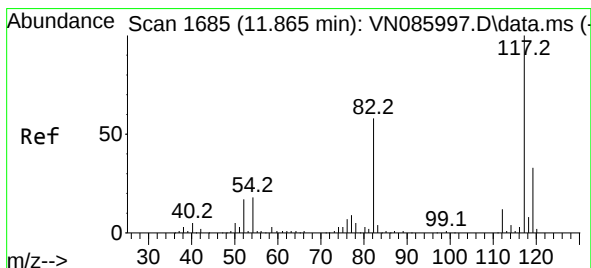
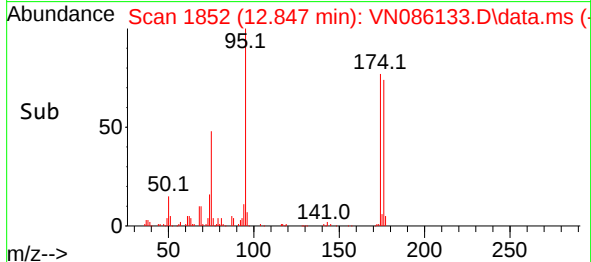
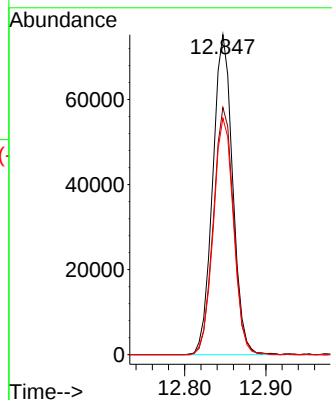
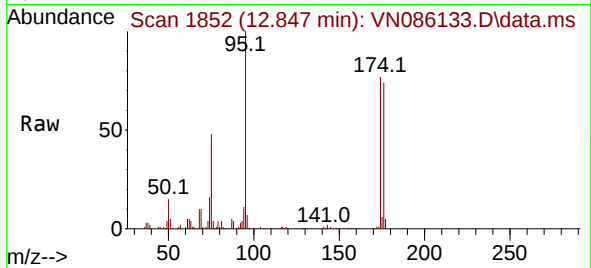




#62
4-Bromofluorobenzene
Concen: 45.531 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

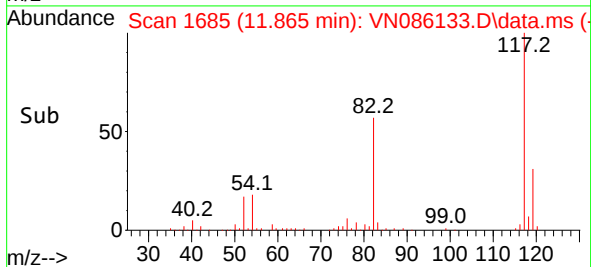
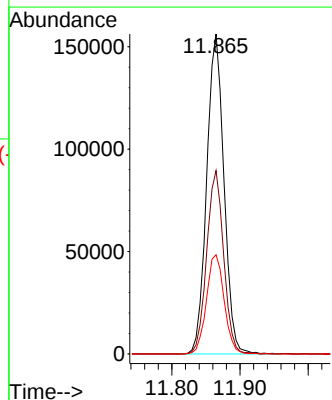
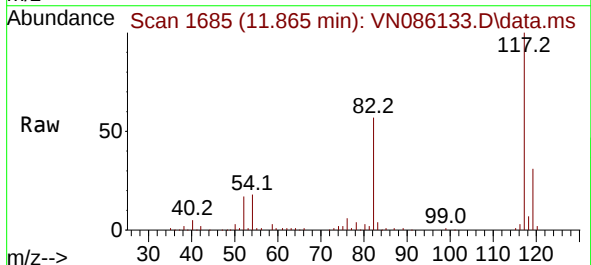
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

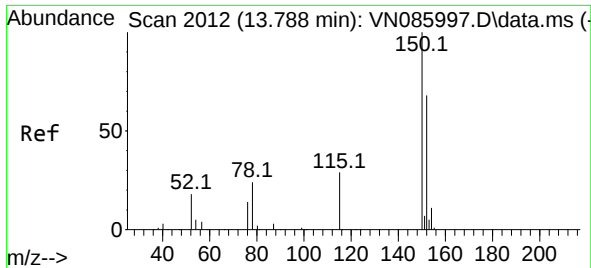
Tgt Ion: 95 Resp: 128545
Ion Ratio Lower Upper
95 100
174 78.4 0.0 156.8
176 75.0 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 117 Resp: 275427
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 31.0 26.5 39.7

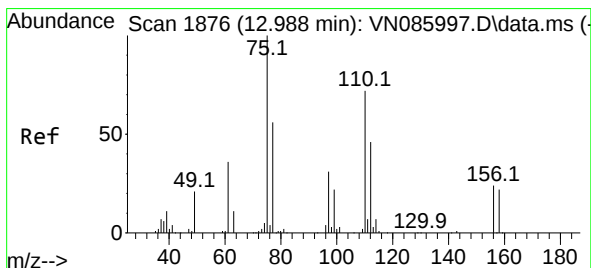
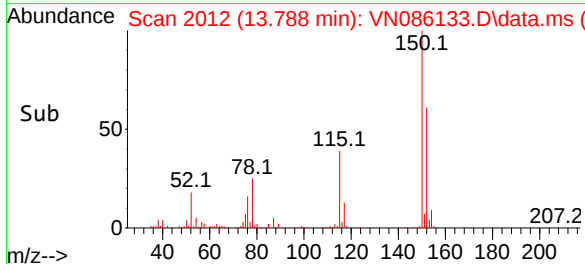
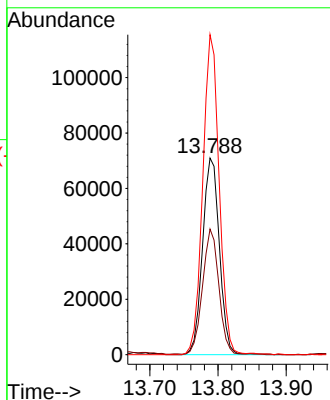
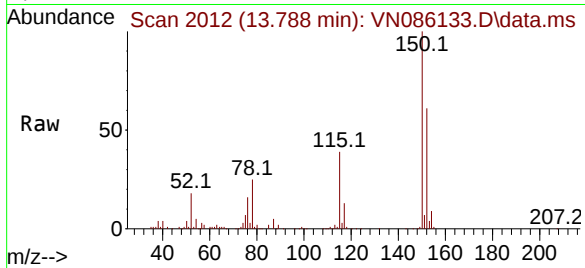




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086133.D
 Acq: 26 Mar 2025 18:00

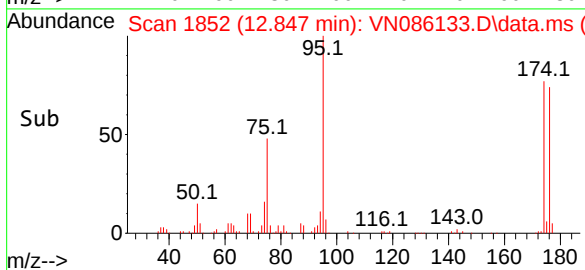
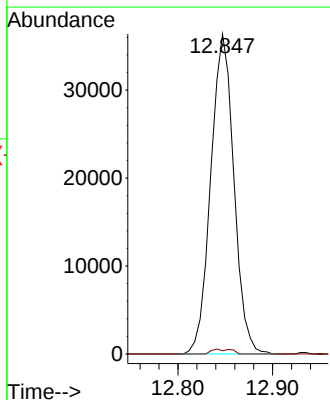
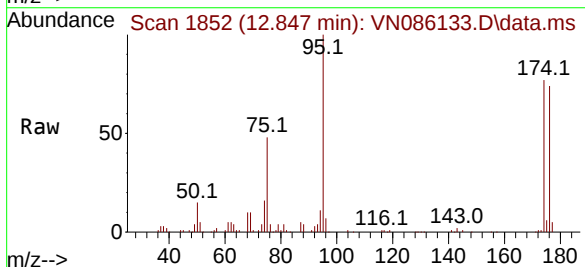
Instrument :
 MSVOA_N
 ClientSampleId :
 NP-WS-003

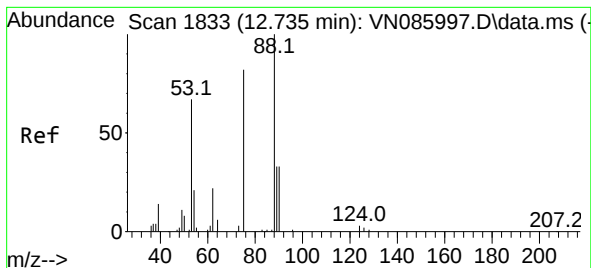
Tgt Ion:152 Resp: 122103
 Ion Ratio Lower Upper
 152 100
 115 61.3 31.1 93.2
 150 157.8 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 22.566 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086133.D
 Acq: 26 Mar 2025 18:00

Tgt Ion: 75 Resp: 61688
 Ion Ratio Lower Upper
 75 100
 77 1.3 83.7 251.0#

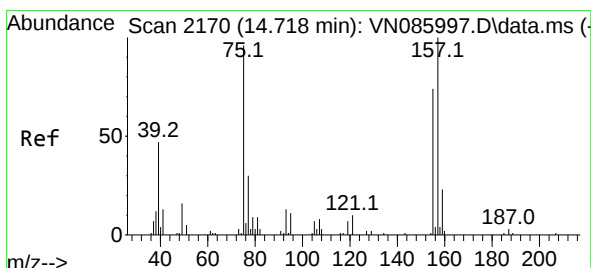
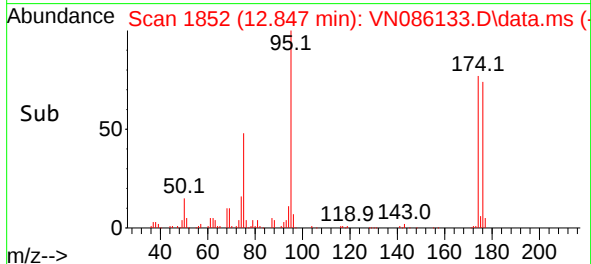
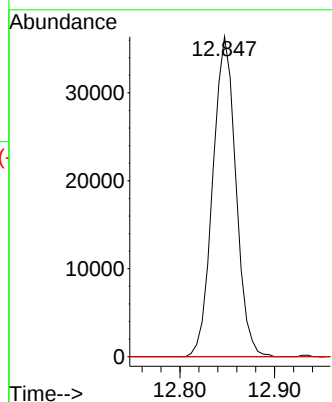
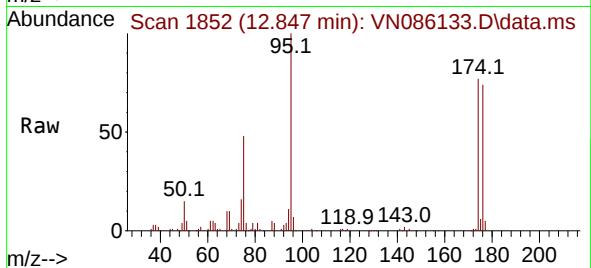




#81
trans-1,4-Dichloro-2-butene
Concen: 59.661 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

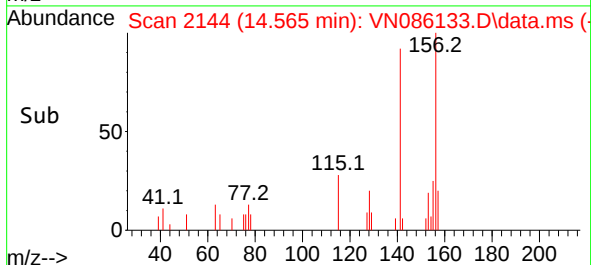
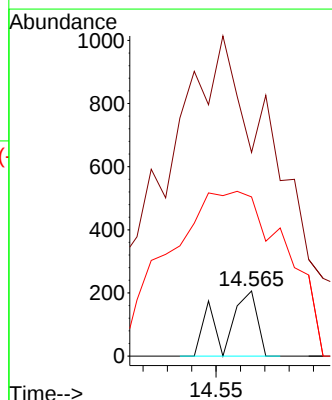
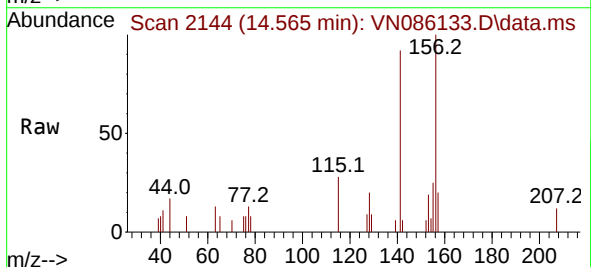
Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003

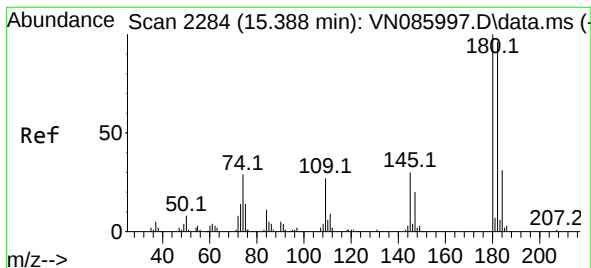
Tgt Ion: 75 Resp: 61688
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.339 ug/l
RT: 14.565 min Scan# 2144
Delta R.T. -0.153 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Tgt Ion: 75 Resp: 191
Ion Ratio Lower Upper
75 100
155 1686.9 41.0 123.0#
157 911.0 53.7 161.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.305 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

Instrument :

MSVOA_N

ClientSampleId :

NP-WS-003

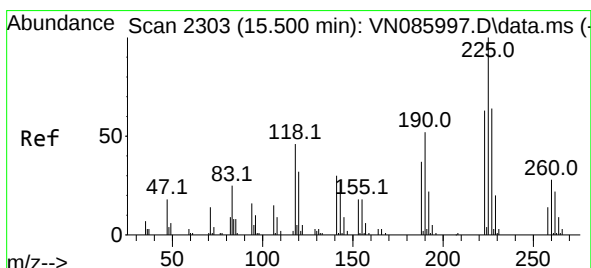
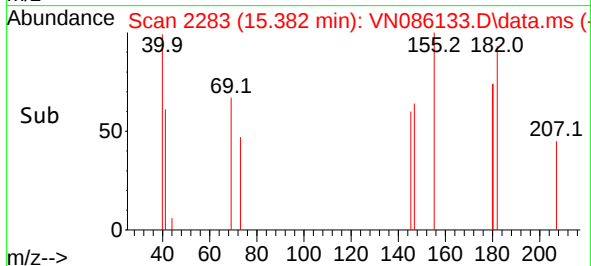
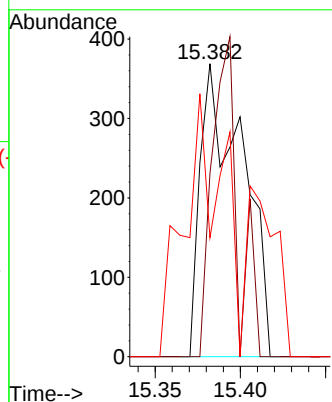
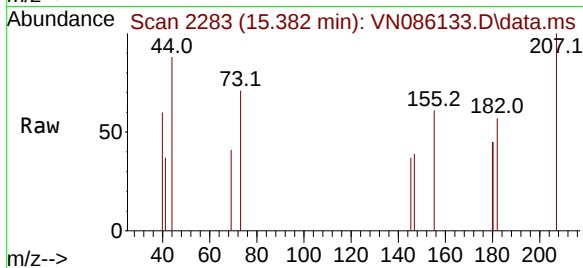
Tgt Ion:180 Resp: 638

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.0#

145 80.7 15.5 46.5#



#94

Hexachlorobutadiene

Concen: 0.366 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN086133.D

Acq: 26 Mar 2025 18:00

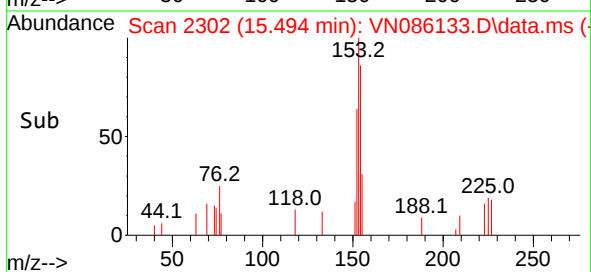
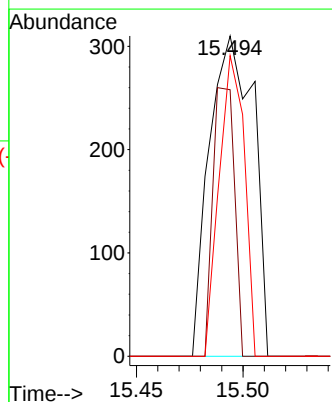
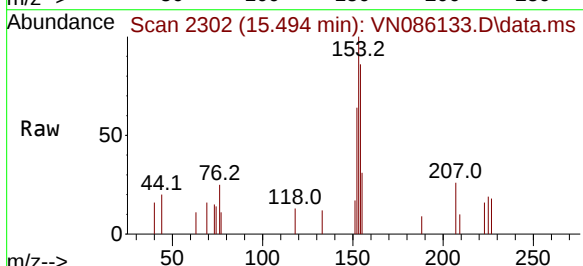
Tgt Ion:225 Resp: 445

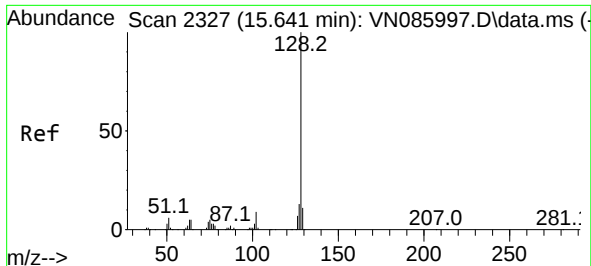
Ion Ratio Lower Upper

225 100

223 41.1 31.3 93.9

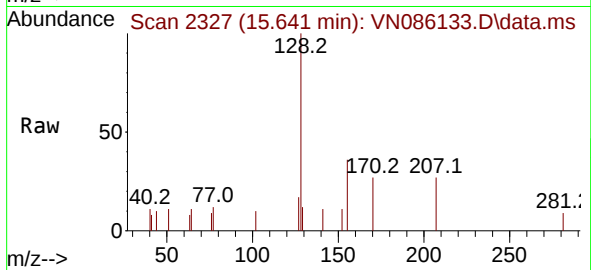
227 53.9 32.1 96.3





#95
Naphthalene
Concen: 0.743 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086133.D
Acq: 26 Mar 2025 18:00

Instrument :
MSVOA_N
ClientSampleId :
NP-WS-003



Tgt Ion:	128	Resp:	4506
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	9.2	9.0	13.6

