

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081626.D
 Acq On : 29 Mar 2024 19:29
 Operator : JC\MD
 Sample : PB159859ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#04

Quant Time: Mar 30 00:34:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

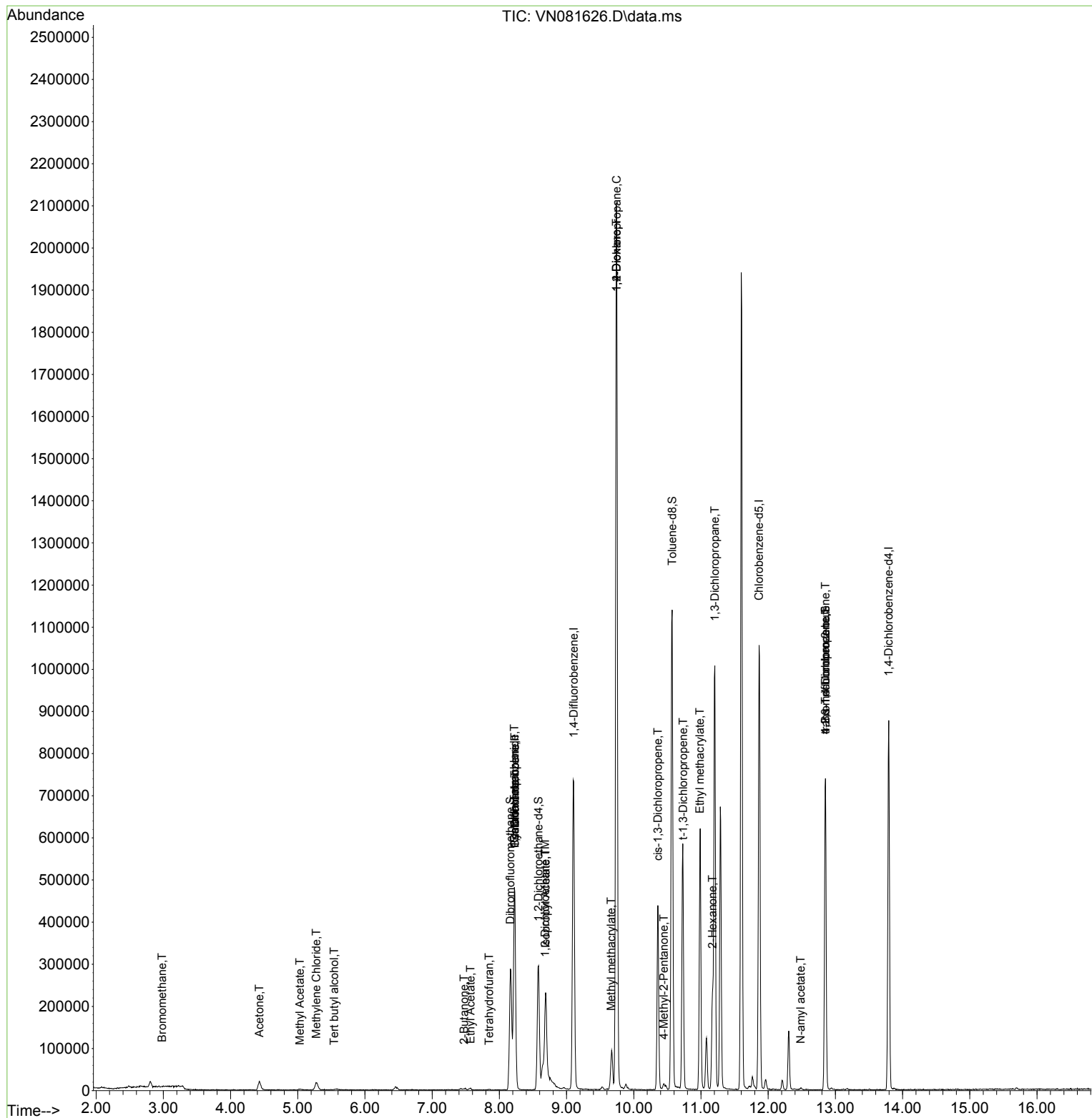
Internal Standards						
1) Pentafluorobenzene	8.230	168	342292	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	653290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	625592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	241553	55.337	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.680%		
35) Dibromofluoromethane	8.165	113	212070	51.437	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.880%		
50) Toluene-d8	10.571	98	805250	54.030	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 108.060%		
62) 4-Bromofluorobenzene	12.853	95	250939	47.784	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 95.560%		
Target Compounds						
						Qvalue
5) Bromomethane	2.983	94	818	0.225	ug/l	# 30
11) Tert butyl alcohol	5.542	59	249	0.327	ug/l	# 72
16) Acetone	4.430	43	34904	24.742	ug/l	94
18) Methyl Acetate	5.030	43	3801	0.874	ug/l	96
20) Methylene Chloride	5.277	84	14723	3.186	ug/l	# 76
25) 2-Butanone	7.477	43	2849	1.177	ug/l	95
29) Tetrahydrofuran	7.847	42	873	0.536	ug/l	# 88
31) Cyclohexane	8.230	56	7957	1.120	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	30031	4.328	ug/l	# 52
37) Ethyl Acetate	7.571	43	6793	1.143	ug/l	# 95
38) Carbon Tetrachloride	8.224	117	36712	4.830	ug/l	# 20
42) 1,2-Dichloroethane	8.683	62	1815	0.254	ug/l	# 75
43) Isopropyl Acetate	8.688	43	336643	34.183	ug/l	# 83
45) 1,2-Dichloropropane	9.747	63	2854	0.581	ug/l	# 42
48) Methyl methacrylate	9.665	41	6204	1.366	ug/l	# 49
49) 1,4-Dioxane	9.741	88	559	5.121	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	7570	1.260	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	1724	0.219	ug/l	# 75
54) cis-1,3-Dichloropropene	10.359	75	78481	9.287	ug/l	# 58
56) Ethyl methacrylate	10.982	69	3255	1.033	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	11351	1.334	ug/l	# 43
59) 2-Hexanone	11.171	43	168042	37.822	ug/l	# 26
74) N-amyl acetate	12.482	43	1839	0.256	ug/l	# 49
76) 1,2,3-Trichloropropane	12.853	75	132494	23.776	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	132494	64.249	ug/l	# 14

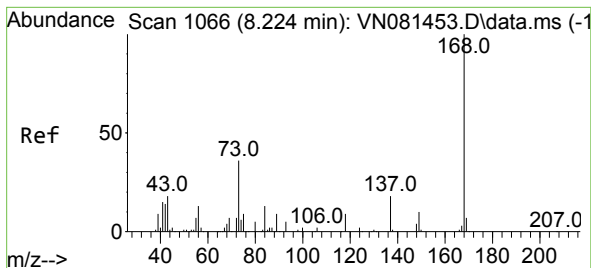
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081626.D

Acq: 29 Mar 2024 19:29

Instrument :

MSVOA_N

ClientSampleId :

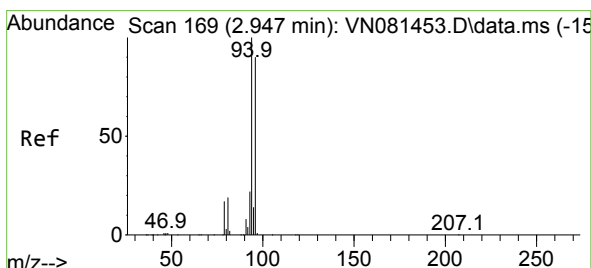
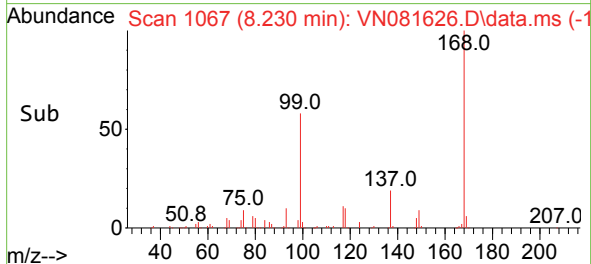
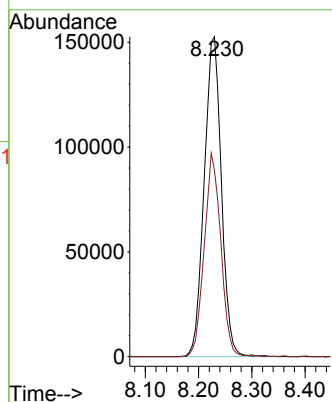
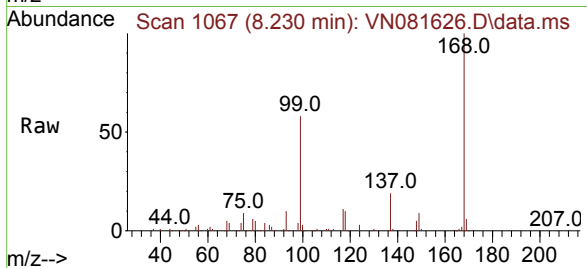
PB159859ZHE#04

Tgt Ion:168 Resp: 342292

Ion Ratio Lower Upper

168 100

99 58.3 59.9 89.9#



#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN081626.D

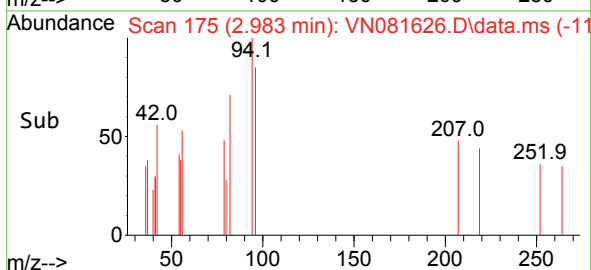
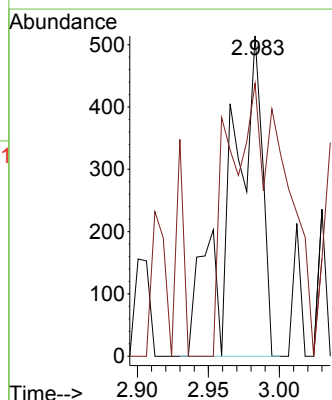
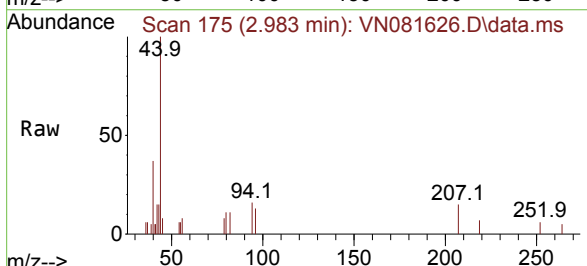
Acq: 29 Mar 2024 19:29

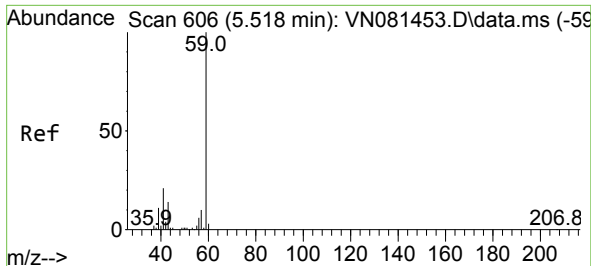
Tgt Ion: 94 Resp: 818

Ion Ratio Lower Upper

94 100

96 21.6 69.2 103.8#

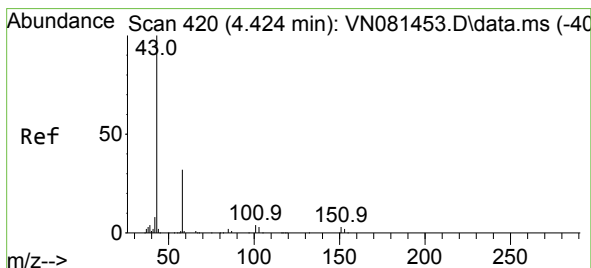
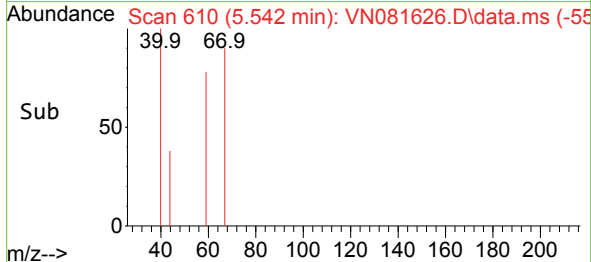
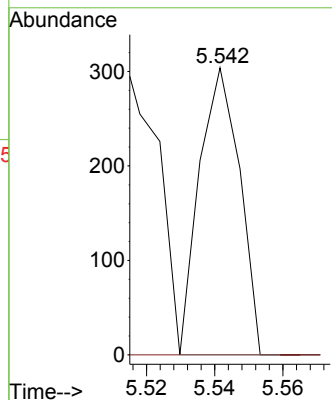
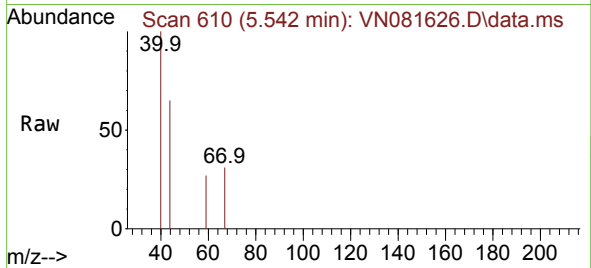




#11
Tert butyl alcohol
Concen: 0.327 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.024 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

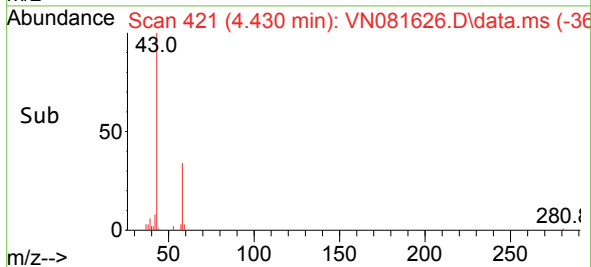
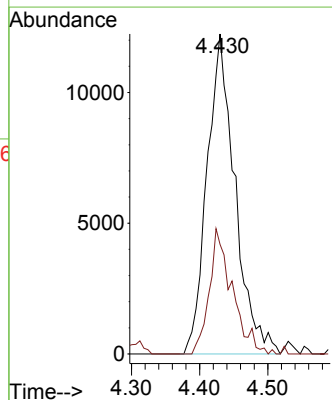
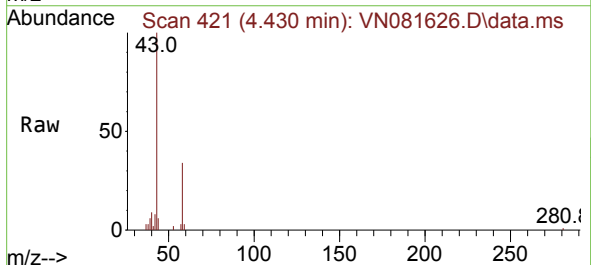
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

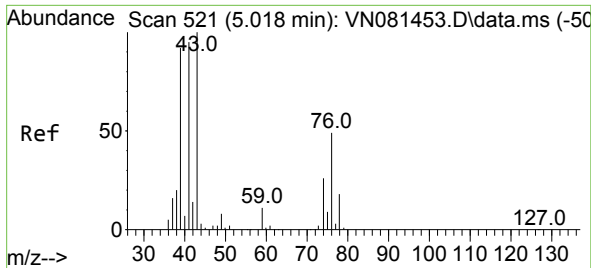
Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 24.742 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 43 Resp: 34904
Ion Ratio Lower Upper
43 100
58 34.3 24.8 37.2

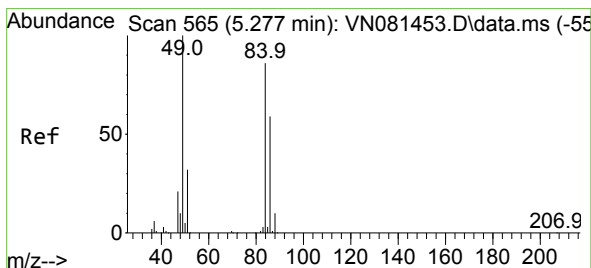
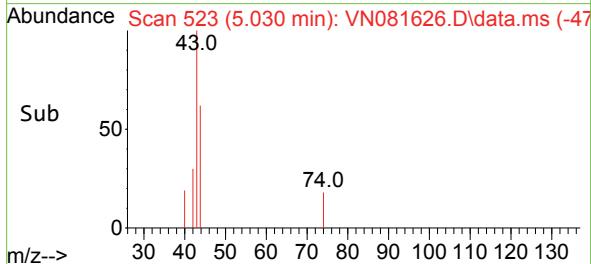
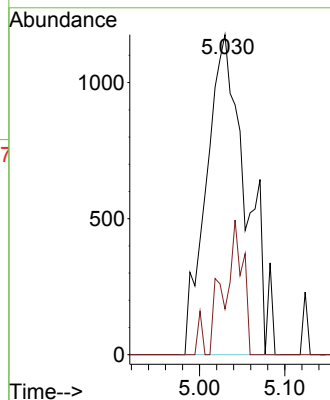
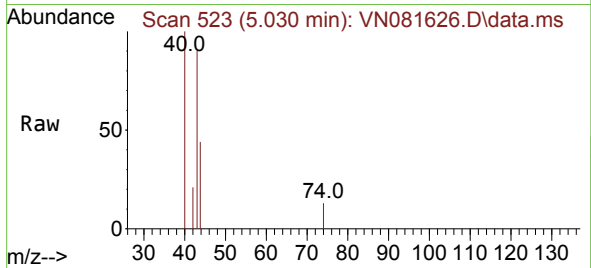




#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

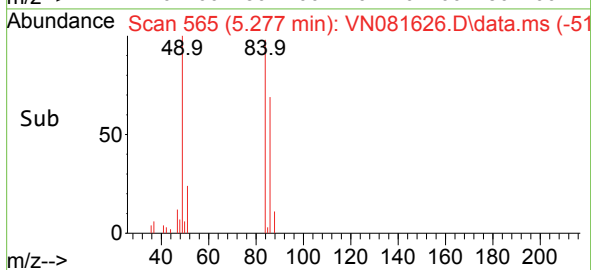
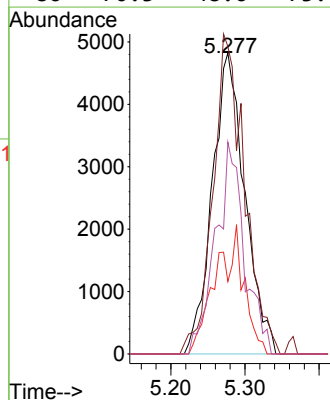
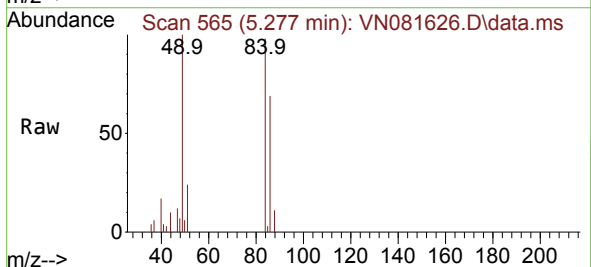
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

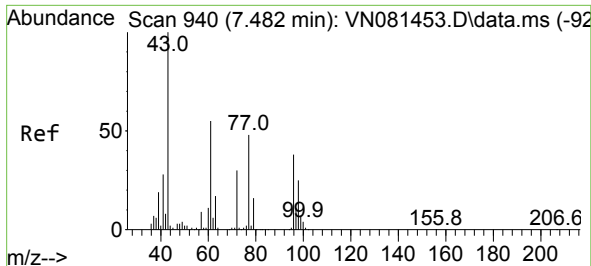
Tgt Ion: 43 Resp: 3801
Ion Ratio Lower Upper
43 100
74 19.8 17.3 25.9



#20
Methylene Chloride
Concen: 3.186 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 84 Resp: 14723
Ion Ratio Lower Upper
84 100
49 102.1 108.1 162.1#
51 24.0 32.9 49.3#
86 70.3 48.6 73.0

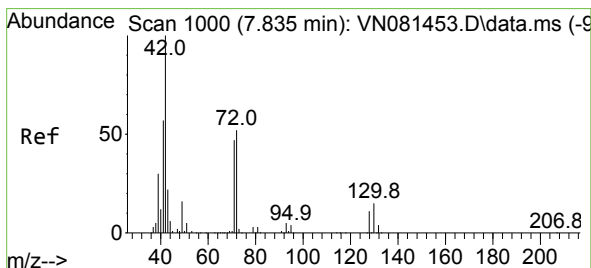
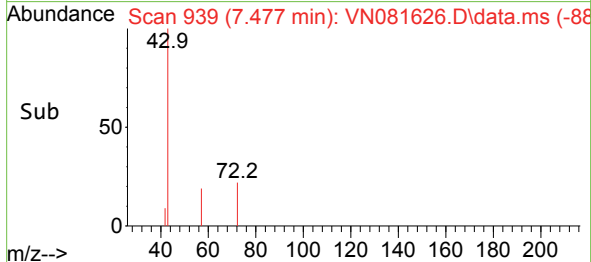
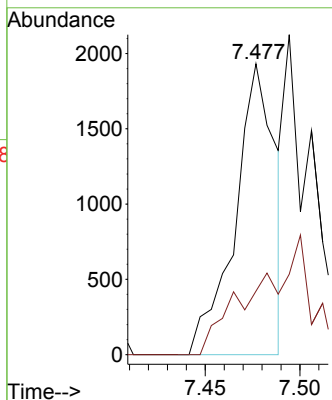
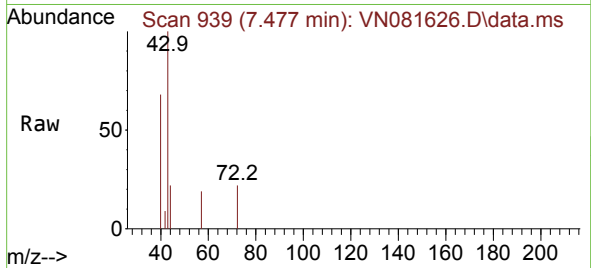




#25
2-Butanone
Concen: 1.177 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

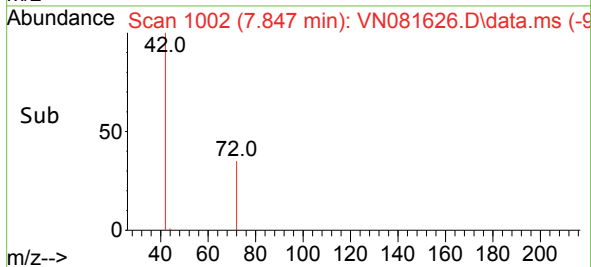
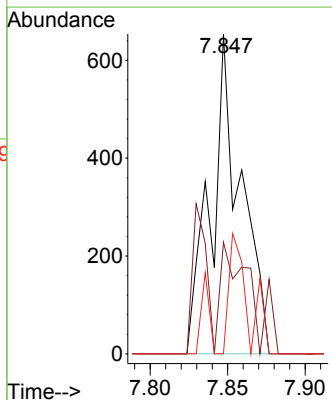
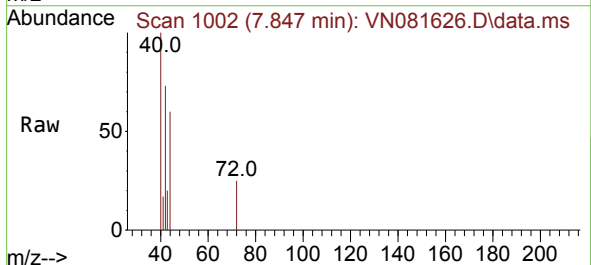
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

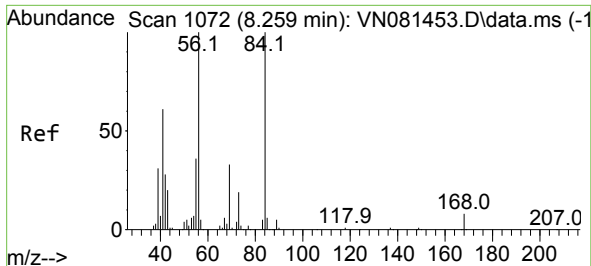
Tgt Ion: 43 Resp: 2849
Ion Ratio Lower Upper
43 100
72 21.8 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.536 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 42 Resp: 873
Ion Ratio Lower Upper
42 100
72 35.7 31.1 46.7
71 23.7 28.3 42.5#

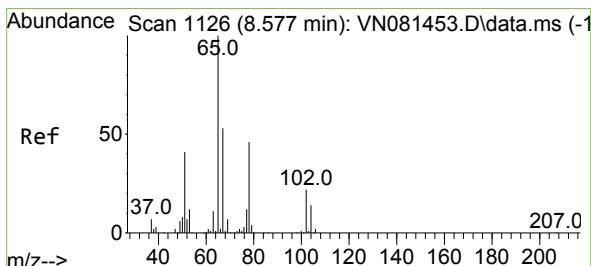
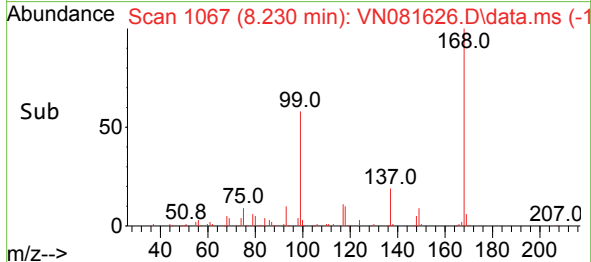
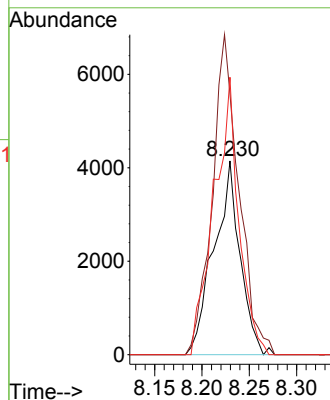
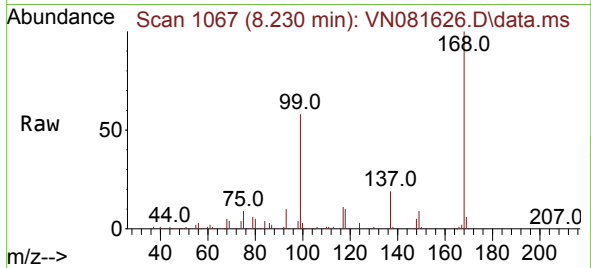




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

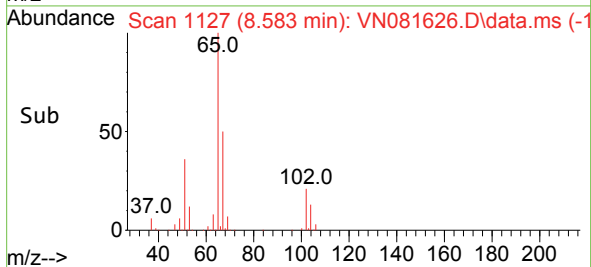
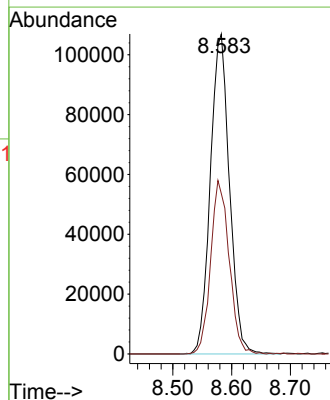
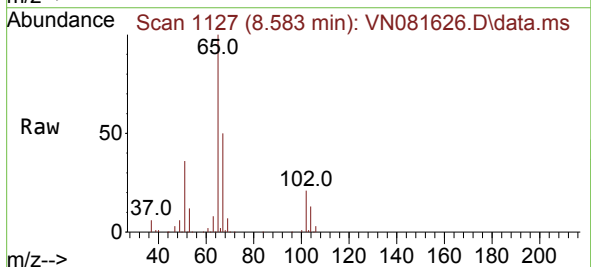
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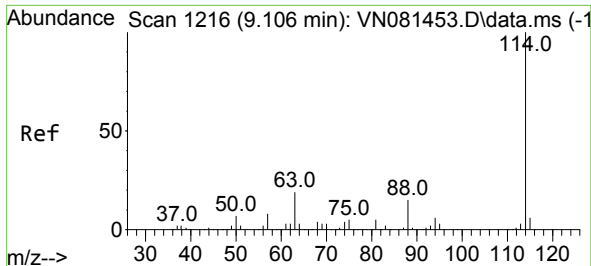
Tgt Ion: 56 Resp: 7957
Ion Ratio Lower Upper
56 100
69 134.6 20.1 30.1#
84 143.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 55.337 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 65 Resp: 241553
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081626.D

Acq: 29 Mar 2024 19:29

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#04

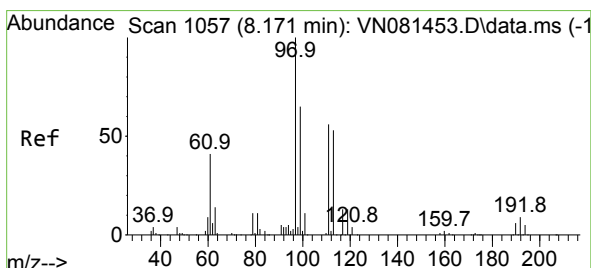
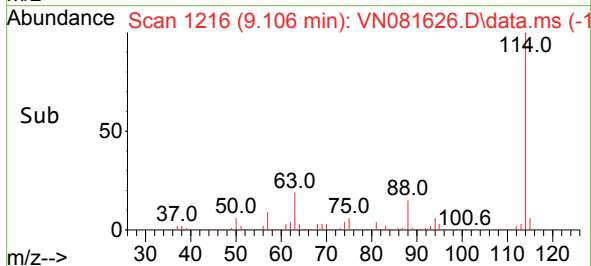
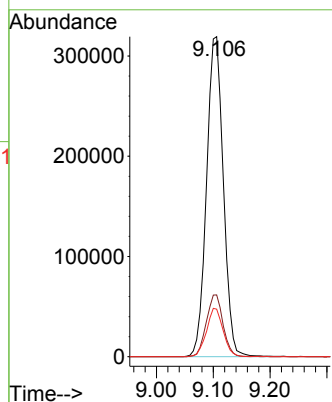
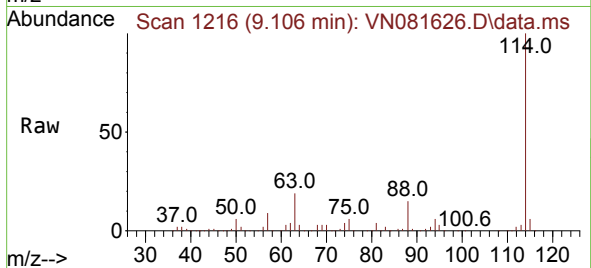
Tgt Ion:114 Resp: 653290

Ion Ratio Lower Upper

114 100

63 19.3 0.0 48.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.437 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081626.D

Acq: 29 Mar 2024 19:29

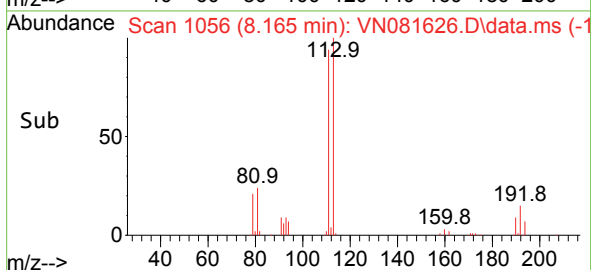
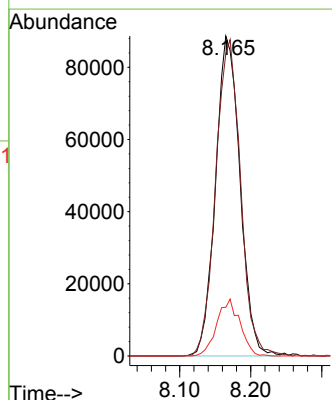
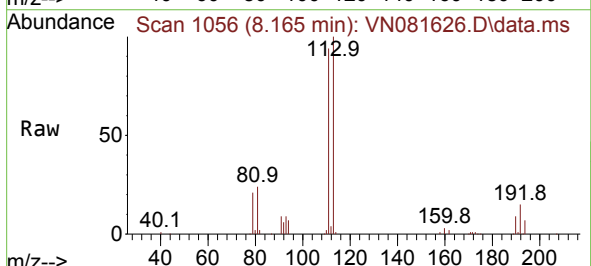
Tgt Ion:113 Resp: 212070

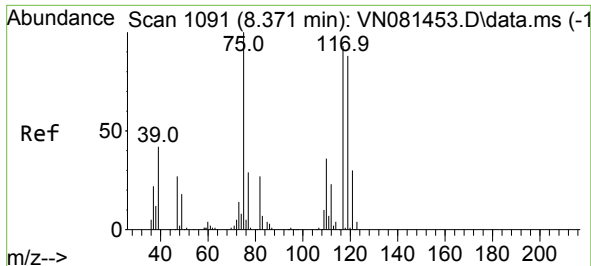
Ion Ratio Lower Upper

113 100

111 100.3 82.2 123.4

192 16.8 12.5 18.7

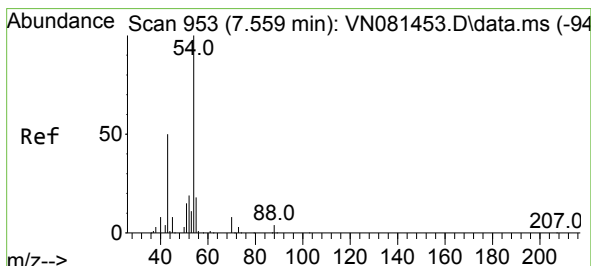
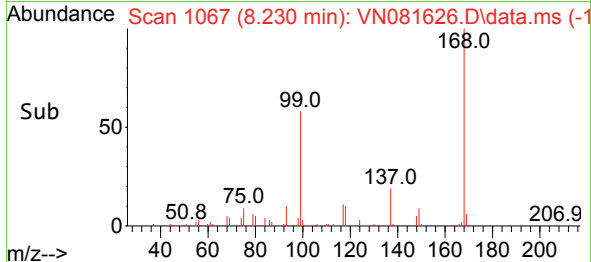
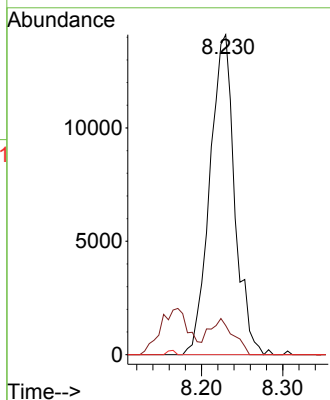
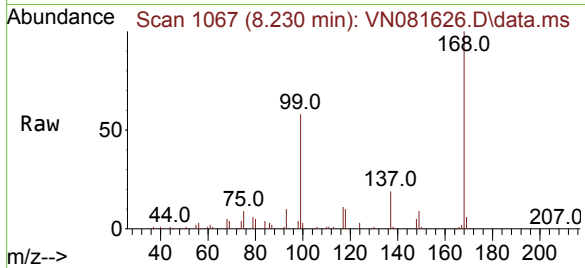




#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

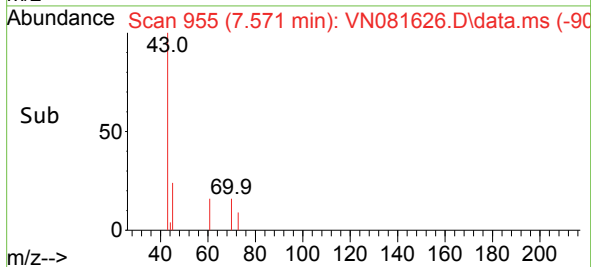
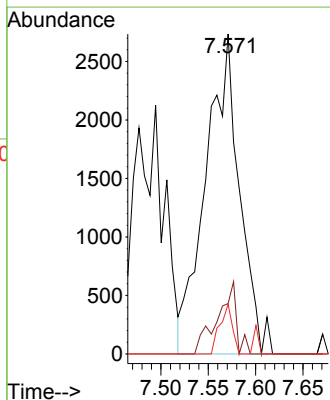
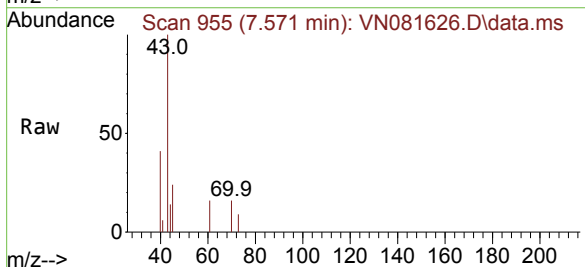
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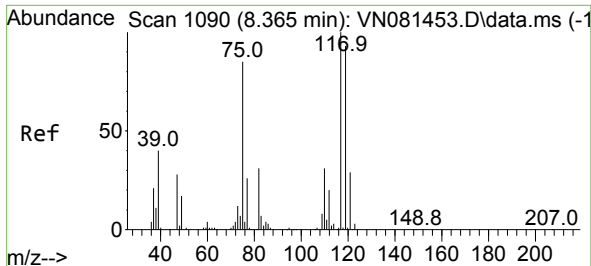
Tgt Ion: 75 Resp: 30031
Ion Ratio Lower Upper
75 100
110 10.8 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.143 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 43 Resp: 6793
Ion Ratio Lower Upper
43 100
61 12.8 10.6 15.8
70 5.8 8.0 12.0#

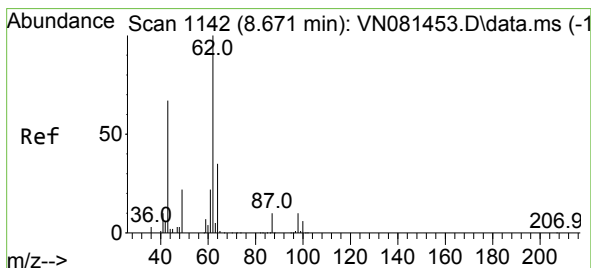
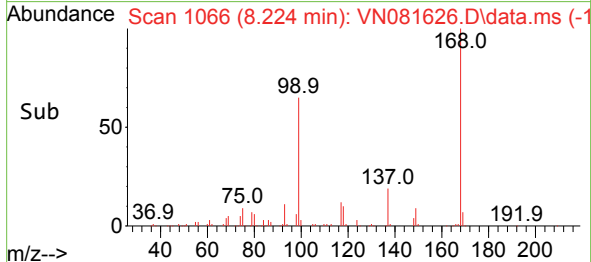
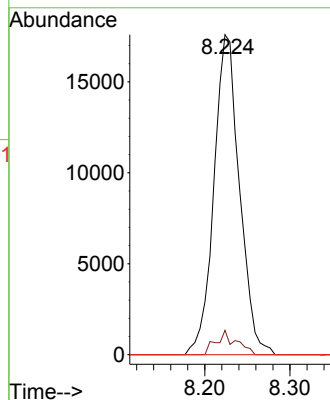
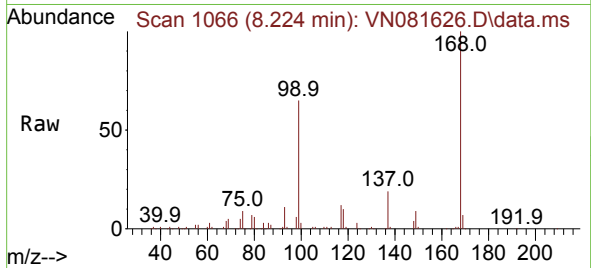




#38
Carbon Tetrachloride
Concen: 4.830 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

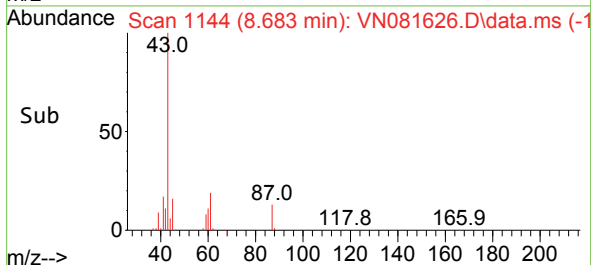
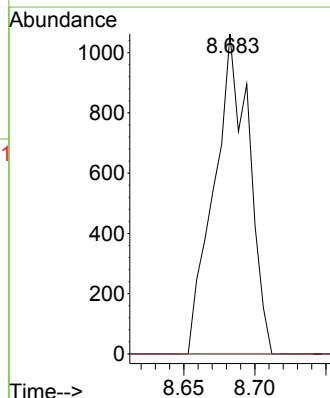
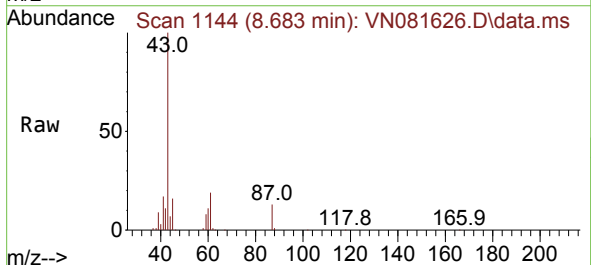
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

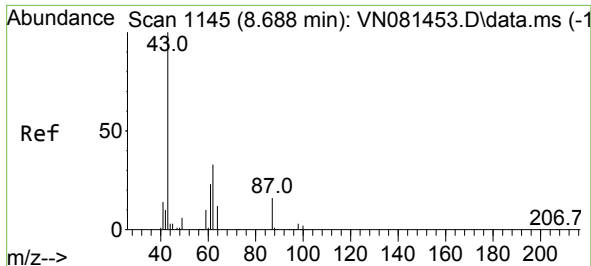
Tgt Ion:117 Resp: 36712
Ion Ratio Lower Upper
117 100
119 7.6 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 62 Resp: 1815
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

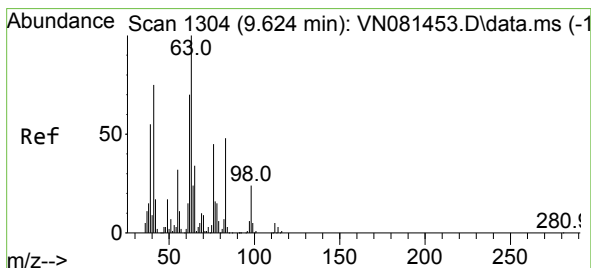
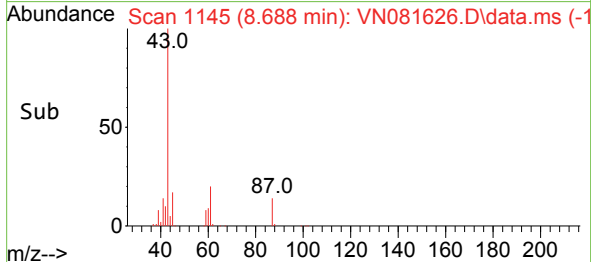
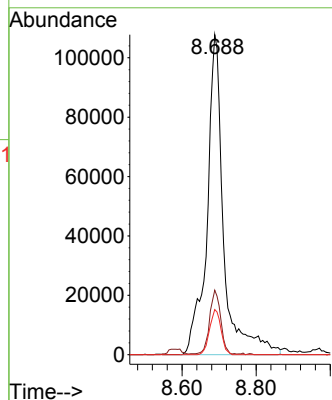
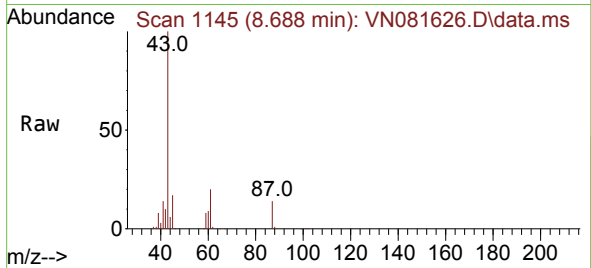




#43
Isopropyl Acetate
Concen: 34.183 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

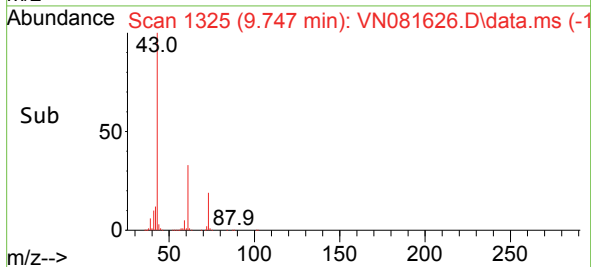
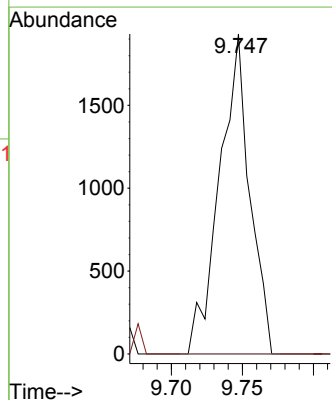
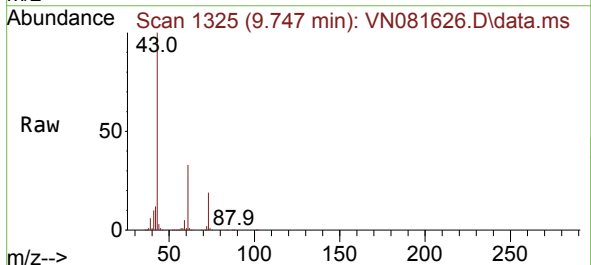
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

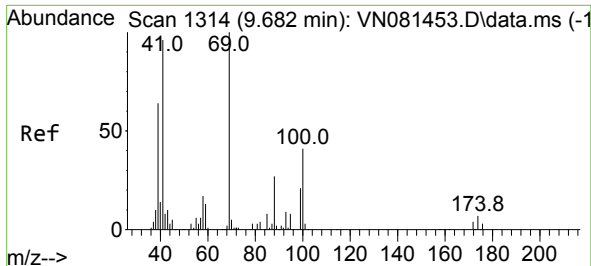
Tgt Ion: 43 Resp: 336643
Ion Ratio Lower Upper
43 100
61 13.2 19.9 29.9#
87 9.7 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.581 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 63 Resp: 2854
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

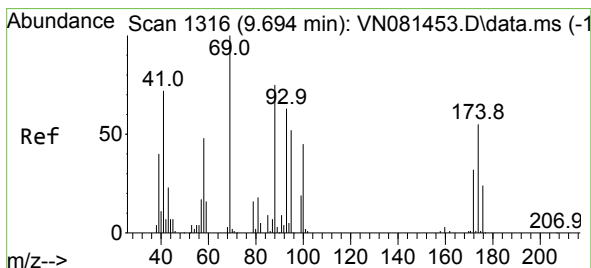
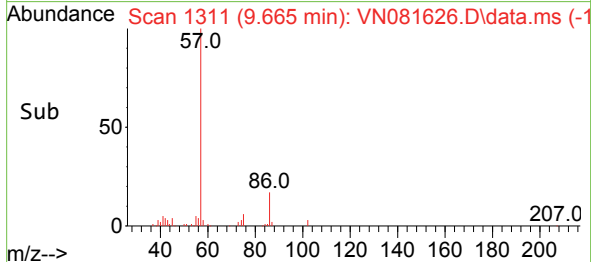
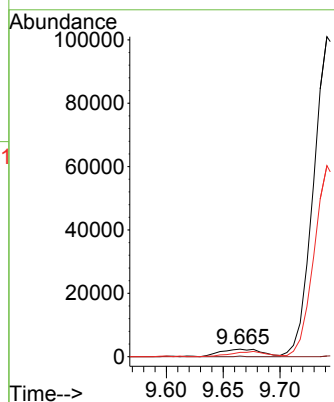
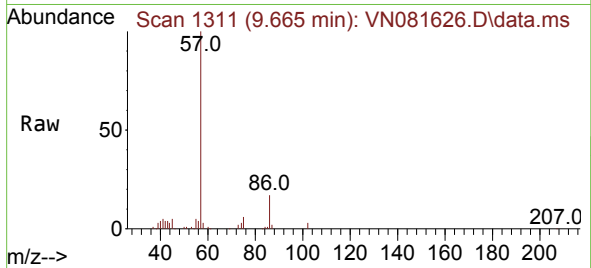




#48
Methyl methacrylate
Concen: 1.366 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

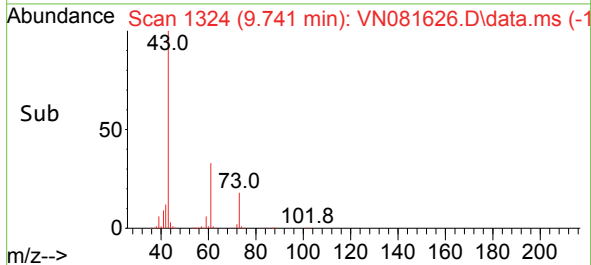
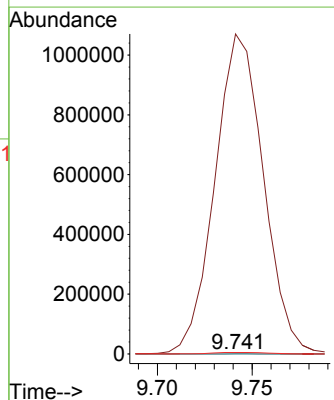
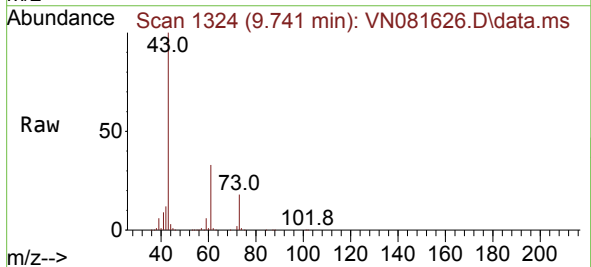
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

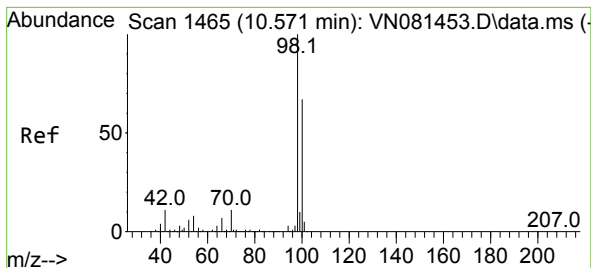
Tgt Ion: 41 Resp: 6204
Ion Ratio Lower Upper
41 100
69 1.3 62.2 93.2#
39 56.7 47.6 71.4



#49
1,4-Dioxane
Concen: 5.121 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 88 Resp: 559
Ion Ratio Lower Upper
88 100
43 342288.7 30.1 45.1#
58 1847.9 63.9 95.9#

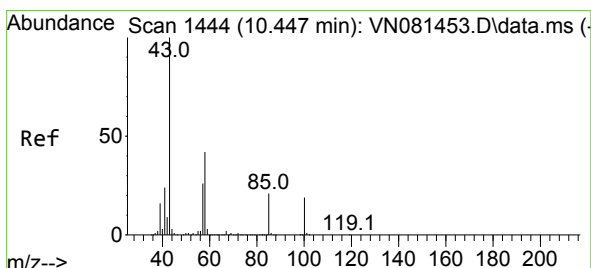
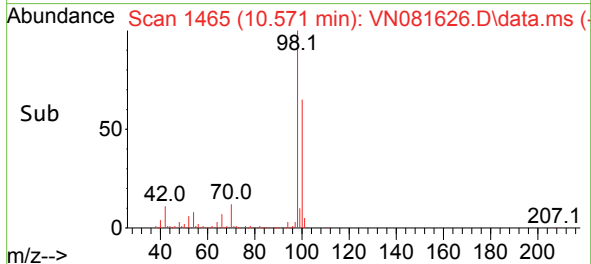
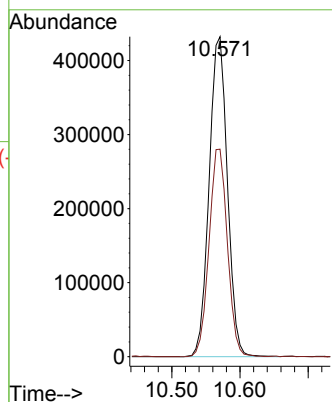
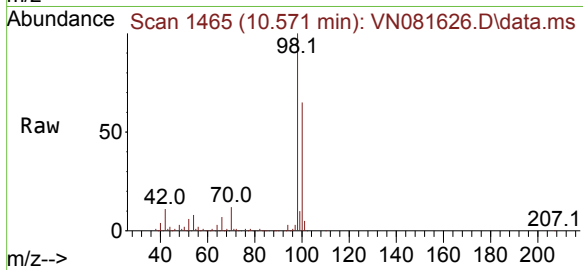




#50
Toluene-d8
Concen: 54.030 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

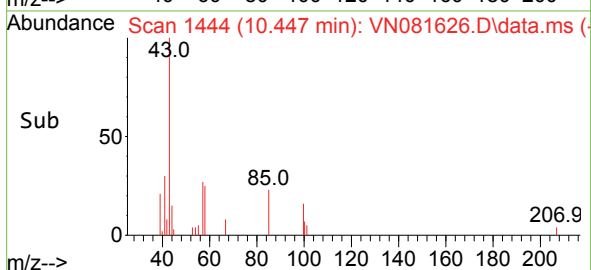
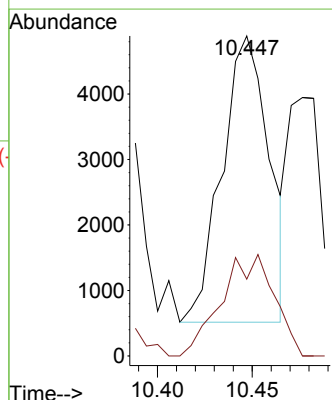
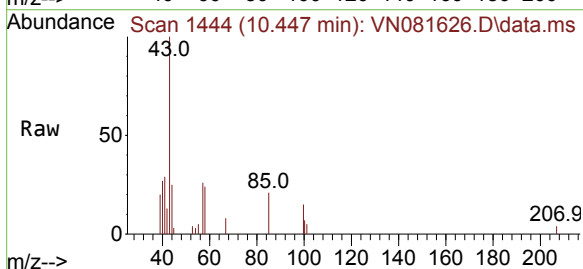
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

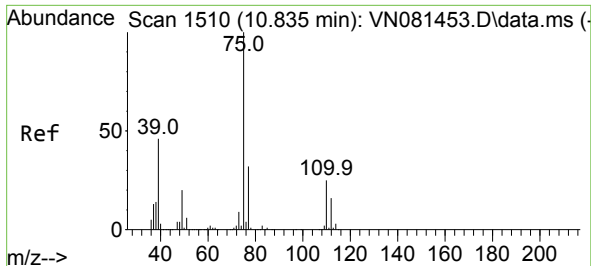
Tgt Ion: 98 Resp: 805250
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 43 Resp: 7570
Ion Ratio Lower Upper
43 100
58 39.7 29.4 44.0

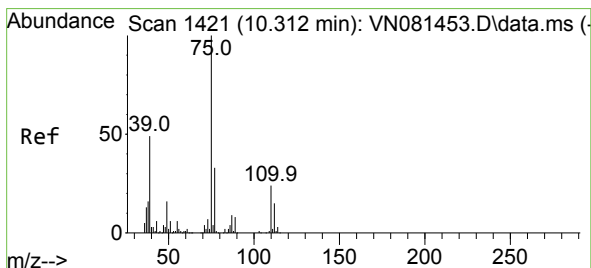
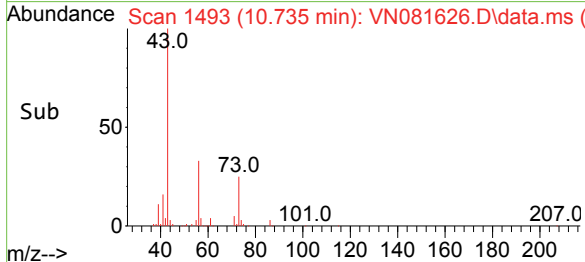
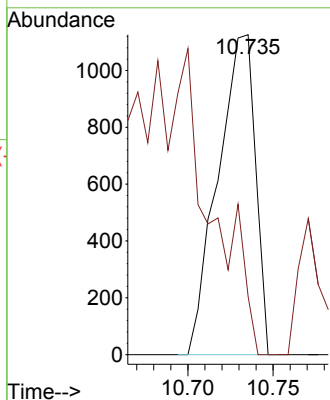
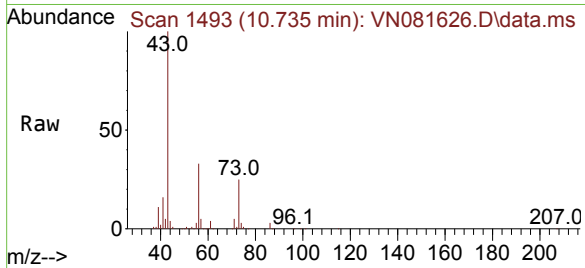




#53
t-1,3-Dichloropropene
Concen: 0.219 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

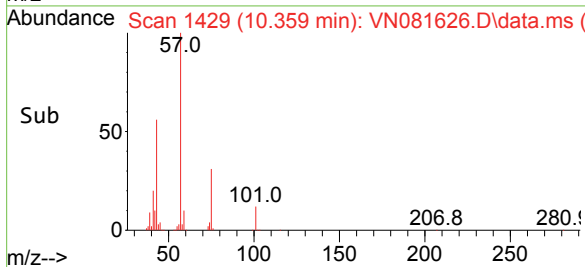
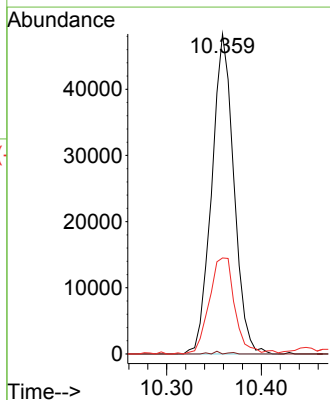
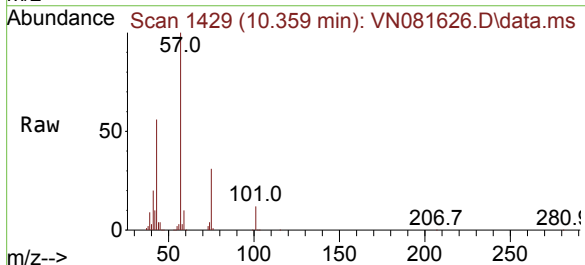
Instrument : MSVOA_N
ClientSampleId : PB159859ZHE#04

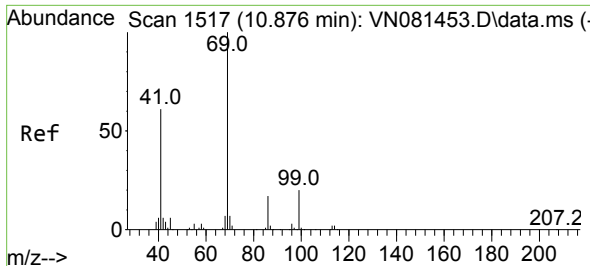
Tgt Ion: 75 Resp: 1724
Ion Ratio Lower Upper
75 100
77 18.2 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 9.287 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 75 Resp: 78481
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 29.6 44.6 66.8#

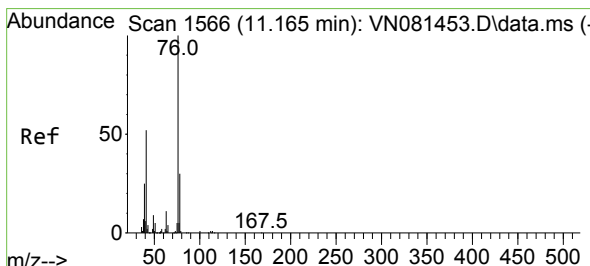
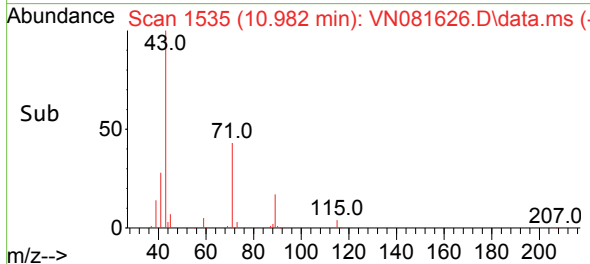
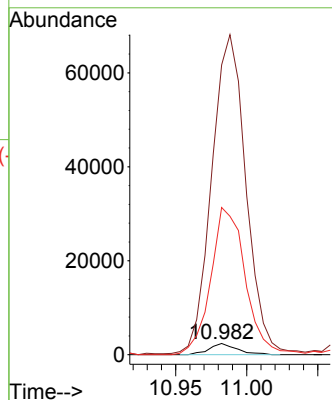
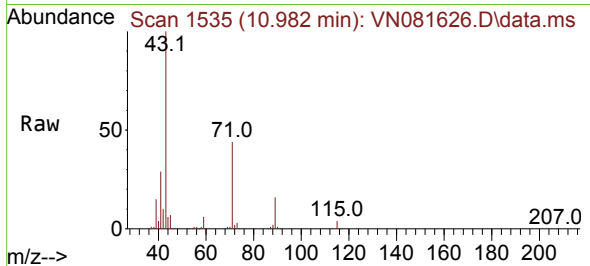




#56
Ethyl methacrylate
Concen: 1.033 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

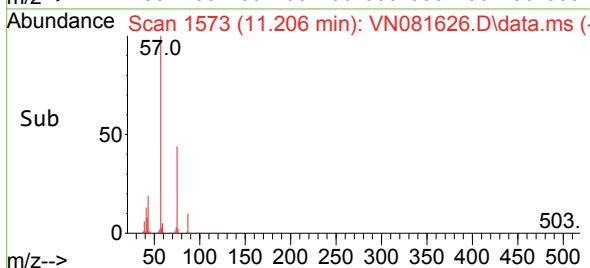
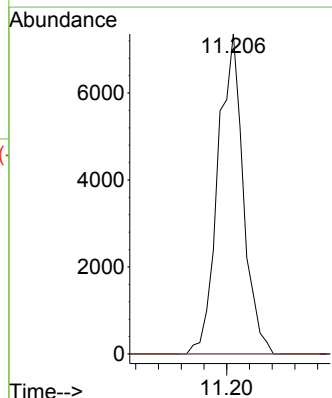
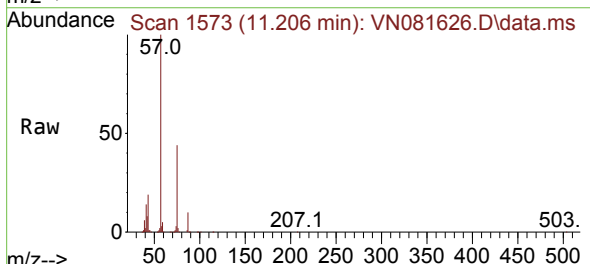
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

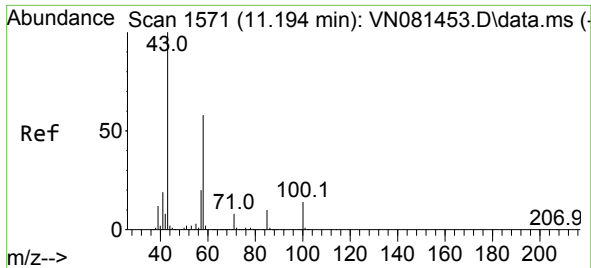
Tgt Ion: 69 Resp: 3255
Ion Ratio Lower Upper
69 100
41 3539.4 61.0 91.6#
39 1631.8 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.334 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 76 Resp: 11351
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

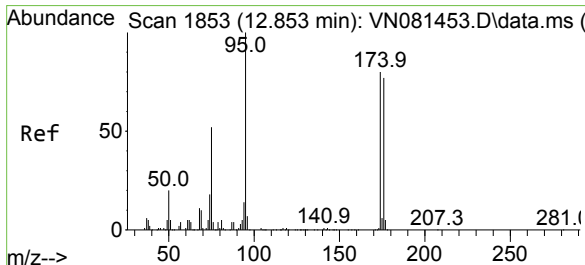
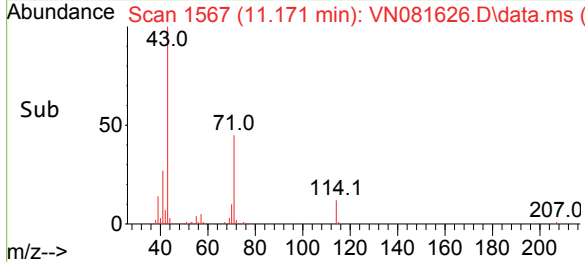
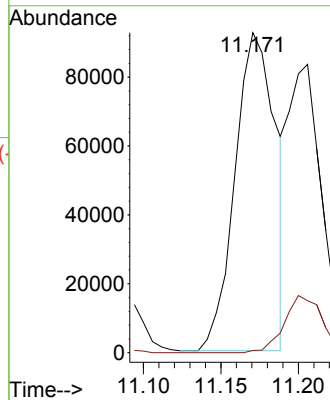
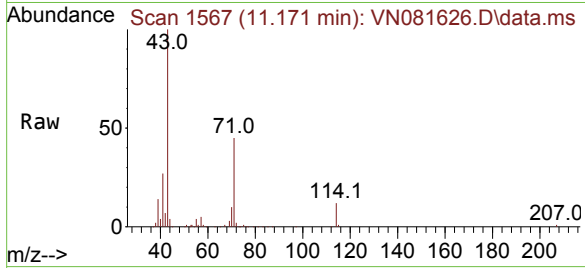




#59
2-Hexanone
Concen: 37.822 ug/l
RT: 11.171 min Scan# 11567
Delta R.T. -0.023 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

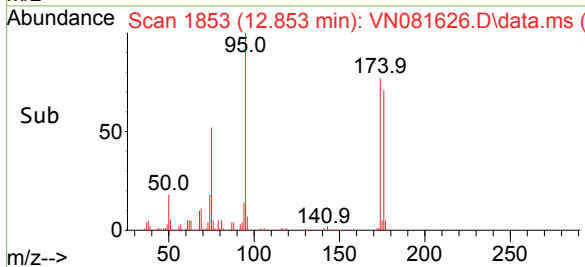
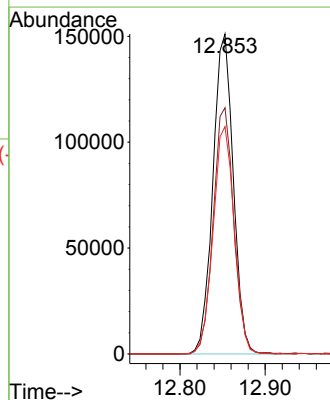
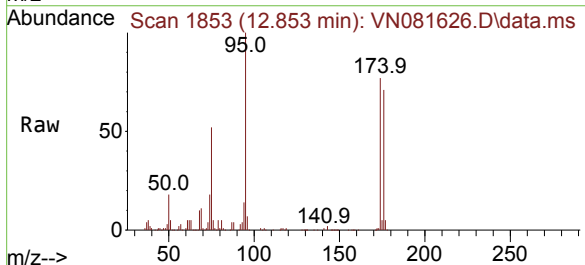
Instrument :
MSVOA_N
ClientSampleId :
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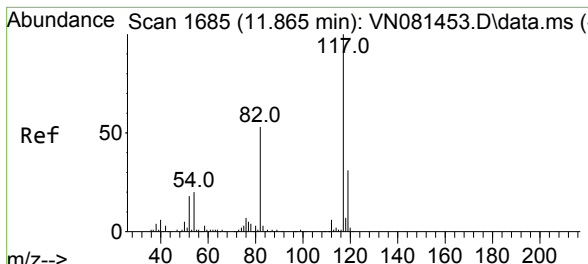
Tgt Ion: 43 Resp: 168042
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.784 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

Tgt Ion: 95 Resp: 250939
Ion Ratio Lower Upper
95 100
174 77.6 0.0 120.4
176 73.7 0.0 121.0

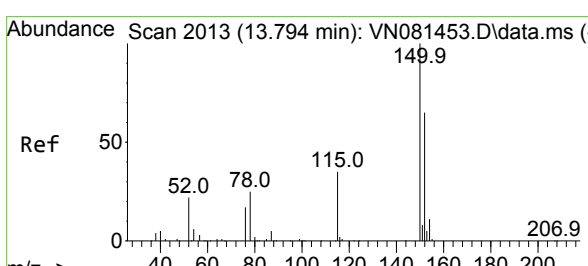
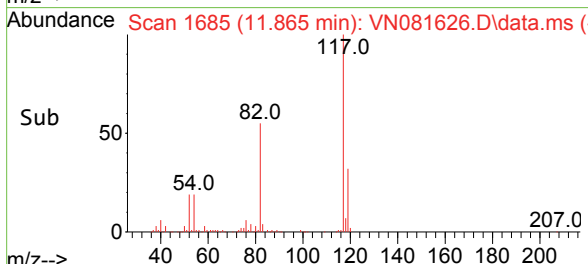
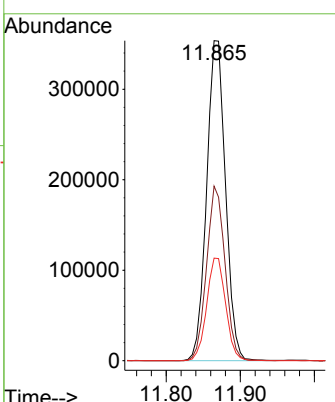
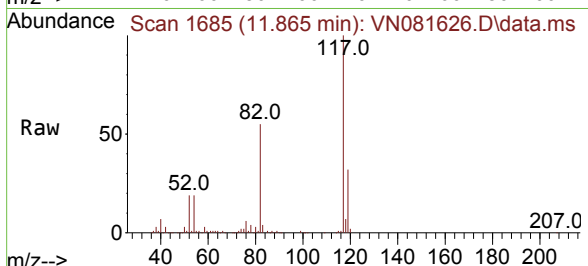




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VN081626.D
 Acq: 29 Mar 2024 19:29

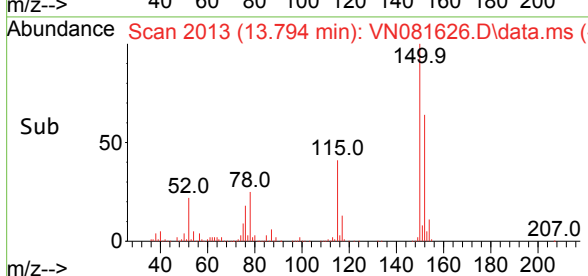
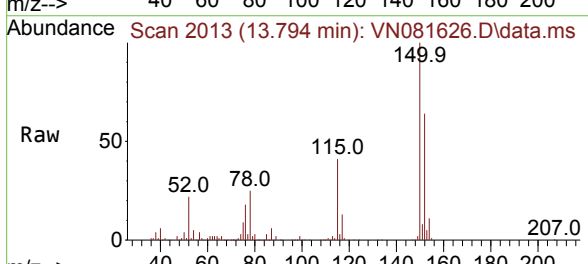
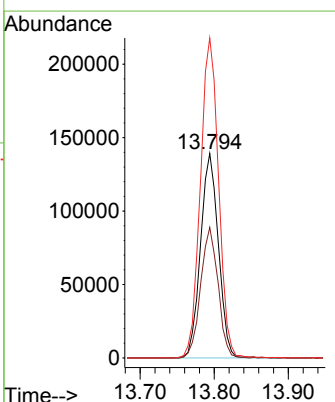
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#04

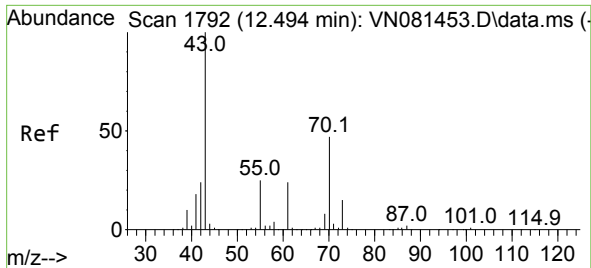
Tgt Ion:	117	Resp:	625592
Ion Ratio	Lower	Upper	
117	100		
82	54.6	52.7	79.1
119	32.1	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081626.D
 Acq: 29 Mar 2024 19:29

Tgt Ion:	152	Resp:	232967
Ion Ratio	Lower	Upper	
152	100		
115	62.1	32.3	96.8
150	159.3	0.0	339.8

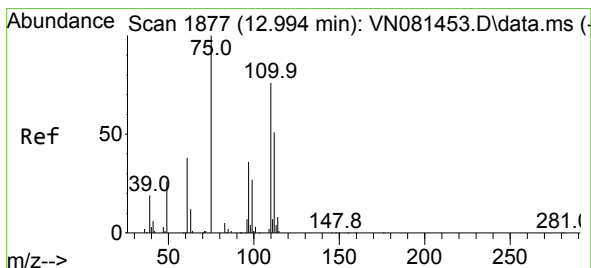
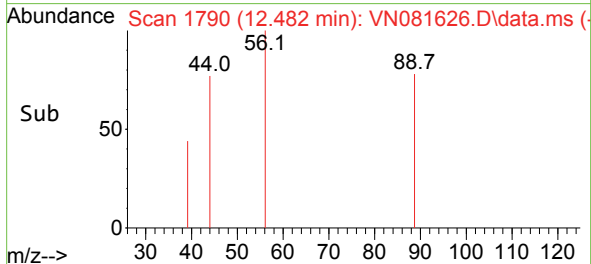
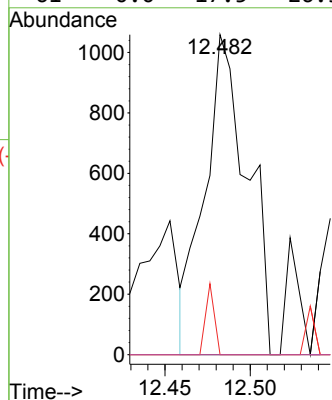
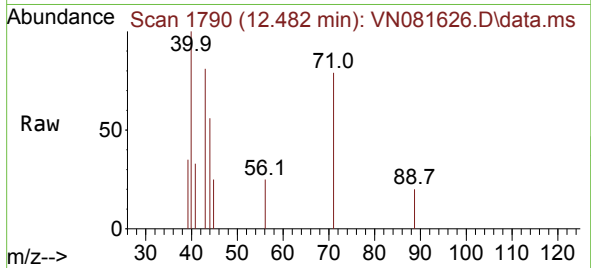




#74
N-amy1 acetate
Concen: 0.256 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

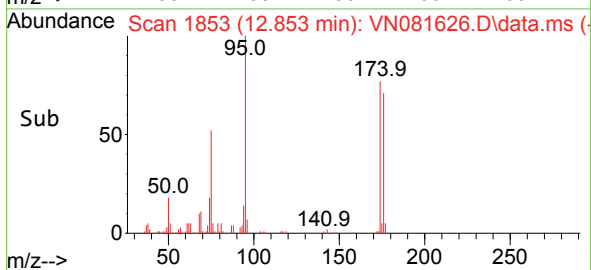
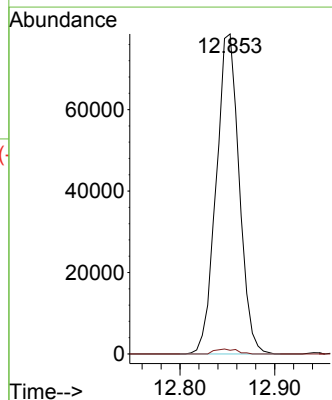
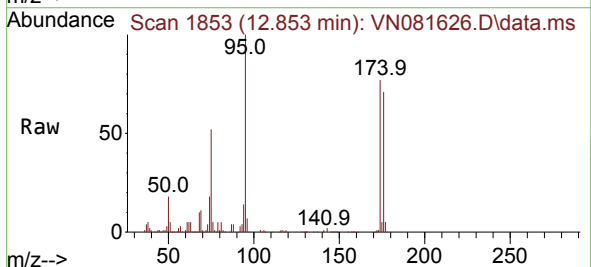
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#04

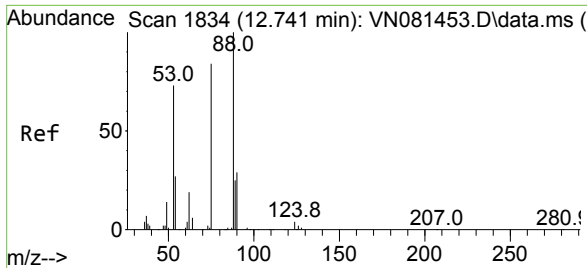
Tgt Ion: 43	Resp: 1839
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	4.5 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 23.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081626.D
Acq: 29 Mar 2024 19:29

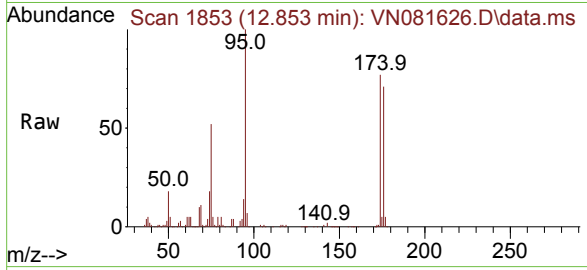
Tgt Ion: 75	Resp: 132494
Ion Ratio	Lower Upper
75	100
77	1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.249 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081626.D
 Acq: 29 Mar 2024 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#04



Tgt Ion: 75 Resp: 132494
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

