

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081625.D
 Acq On : 29 Mar 2024 19:05
 Operator : JC\MD
 Sample : PB159859ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#03

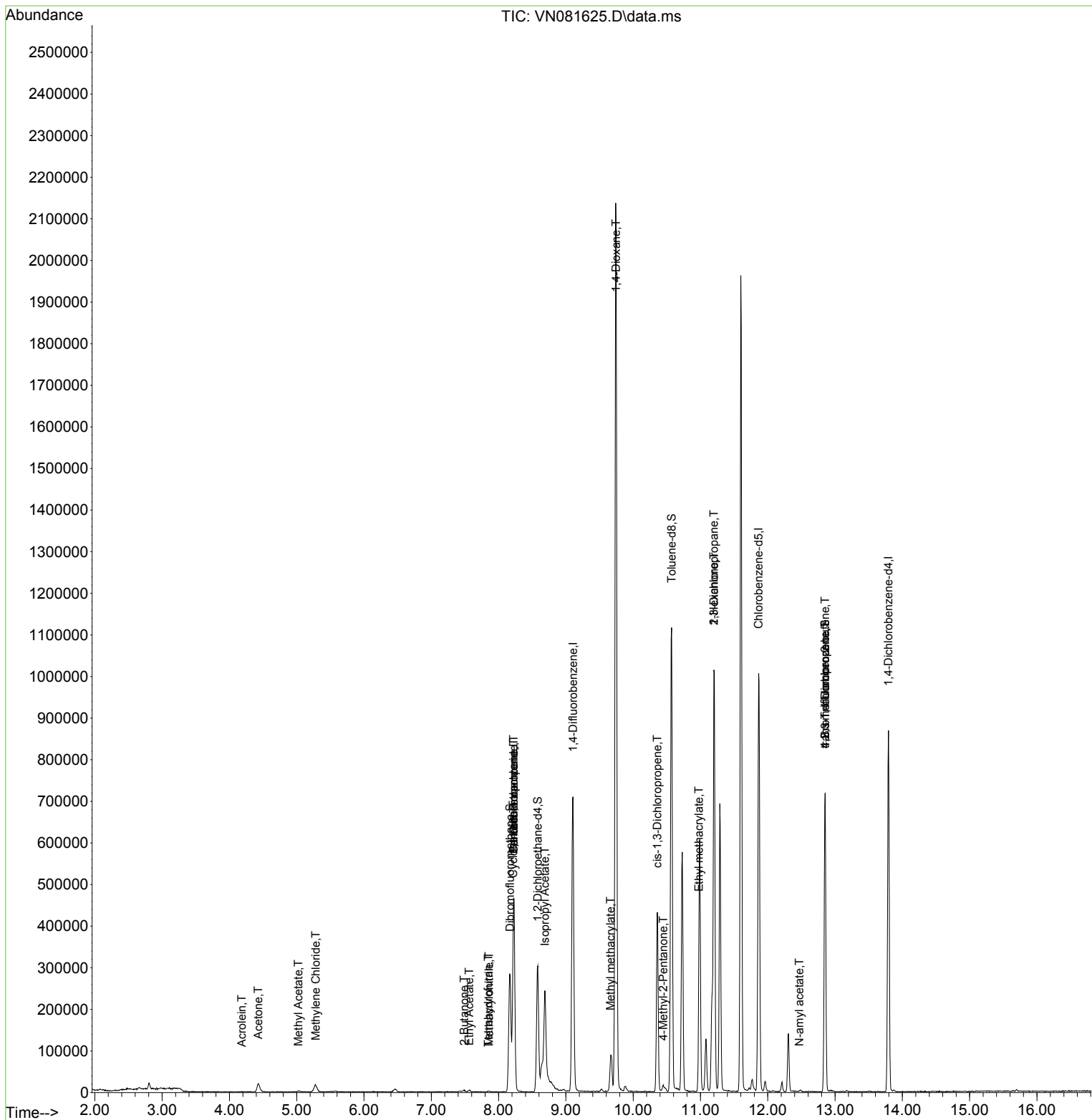
Quant Time: Mar 30 00:34:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

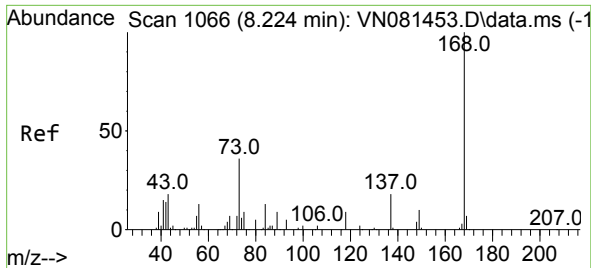
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	332839	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	637204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	614287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240043	56.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	113.100%	
35) Dibromofluoromethane	8.171	113	209426	52.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	104.160%	
50) Toluene-d8	10.571	98	790934	54.409	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	108.820%	
62) 4-Bromofluorobenzene	12.853	95	249904	48.788	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	=	97.580%	
Target Compounds						Qvalue
13) Acrolein	4.183	56	196	0.295	ug/l	# 64
16) Acetone	4.430	43	36912	26.909	ug/l	94
18) Methyl Acetate	5.024	43	3521	0.833	ug/l	# 85
20) Methylene Chloride	5.283	84	14177	3.155	ug/l	# 73
25) 2-Butanone	7.488	43	5893	2.505	ug/l	# 42
29) Tetrahydrofuran	7.847	42	711	0.449	ug/l	# 68
31) Cyclohexane	8.218	56	7972	1.154	ug/l	# 29
36) 1,1-Dichloropropene	8.224	75	30044	4.439	ug/l	# 51
37) Ethyl Acetate	7.565	43	5100	0.880	ug/l	# 96
38) Carbon Tetrachloride	8.224	117	36450	4.917	ug/l	# 18
41) Methacrylonitrile	7.859	41	671	0.219	ug/l	# 49
43) Isopropyl Acetate	8.688	43	331410	34.501	ug/l	# 84
48) Methyl methacrylate	9.665	41	5986	1.351	ug/l	# 49
49) 1,4-Dioxane	9.747	88	206	1.935	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	14461	2.467	ug/l	# 79
54) cis-1,3-Dichloropropene	10.359	75	81401	9.876	ug/l	# 62
56) Ethyl methacrylate	10.976	69	3345	1.058	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	11408	1.375	ug/l	# 45
59) 2-Hexanone	11.200	43	123941	28.600	ug/l	# 61
74) N-amyl acetate	12.471	43	2373	0.330	ug/l	# 49
76) 1,2,3-Trichloropropane	12.853	75	129793	23.312	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	129793	62.996	ug/l	# 14

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

Quant Time: Mar 30 00:34:06 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

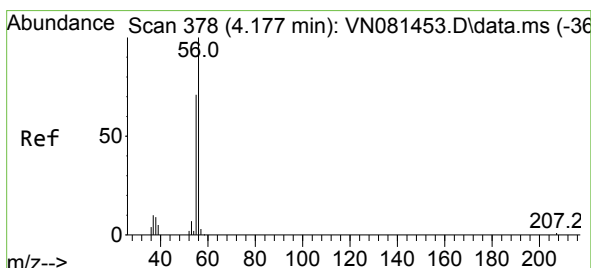
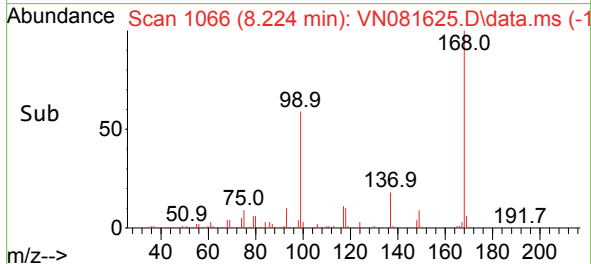
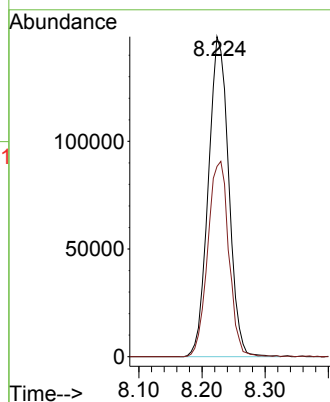
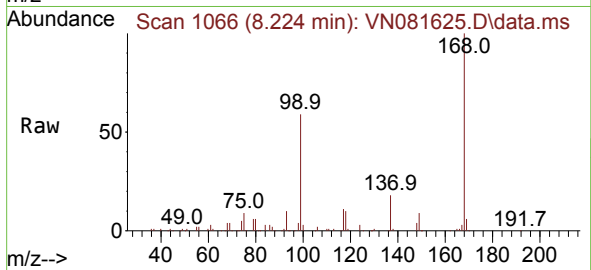




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

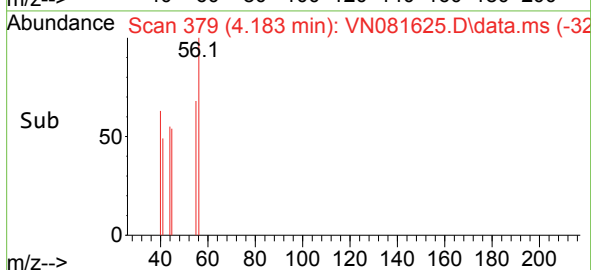
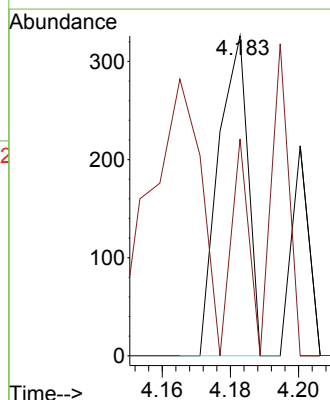
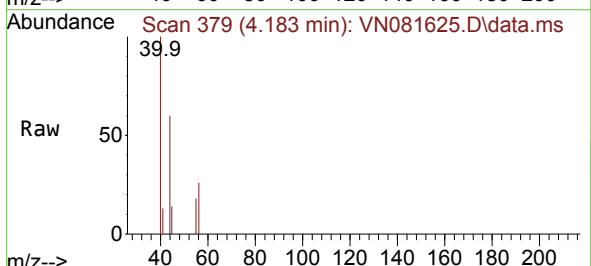
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03

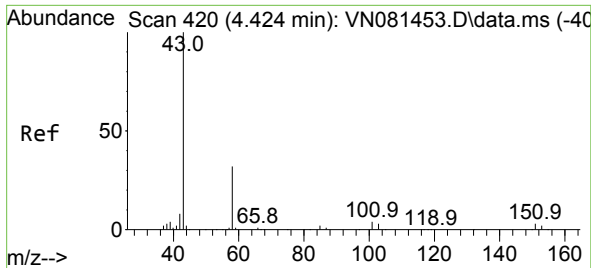
Tgt Ion:168 Resp: 332839
Ion Ratio Lower Upper
168 100
99 59.4 59.9 89.9#



#13
Acrolein
Concen: 0.295 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 39.8 55.3 82.9#

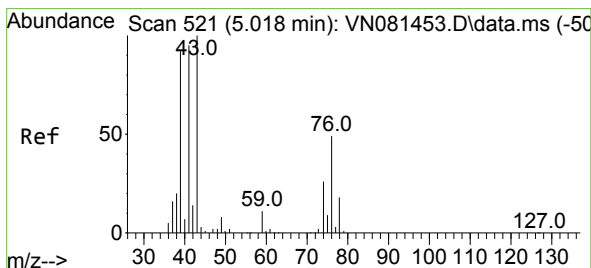
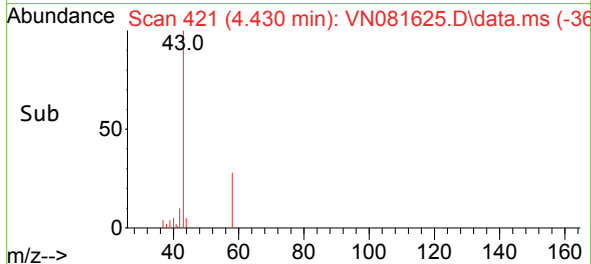
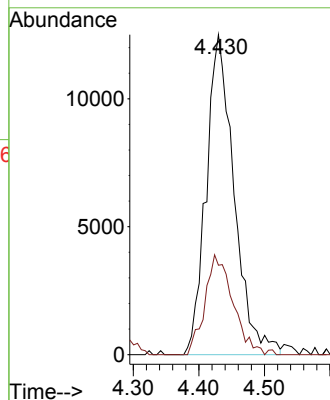
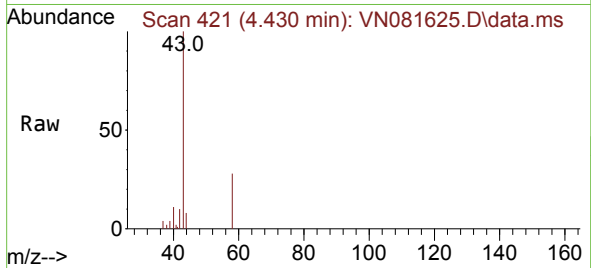




#16
Acetone
Concen: 26.909 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

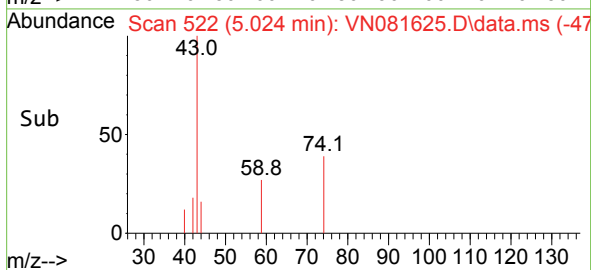
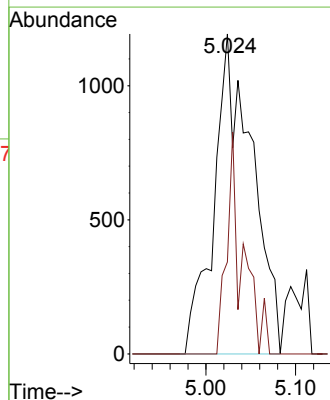
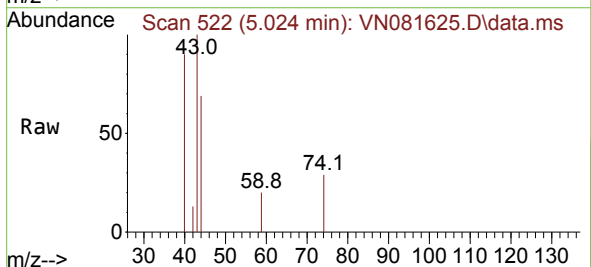
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03

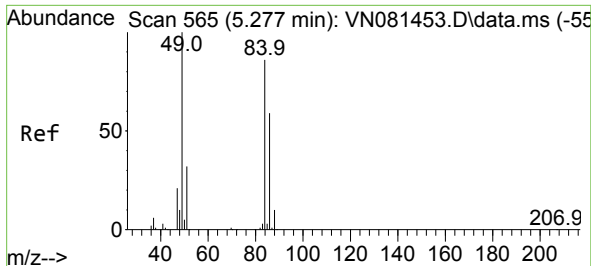
Tgt Ion: 43 Resp: 36912
Ion Ratio Lower Upper
43 100
58 28.0 24.8 37.2



#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

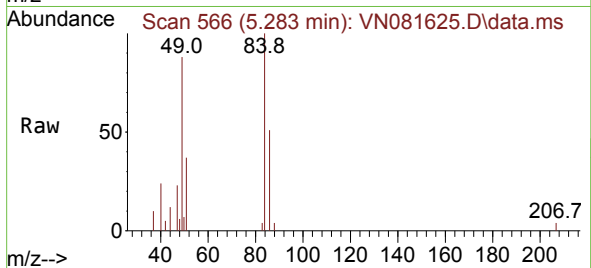
Tgt Ion: 43 Resp: 3521
Ion Ratio Lower Upper
43 100
74 28.6 17.3 25.9#





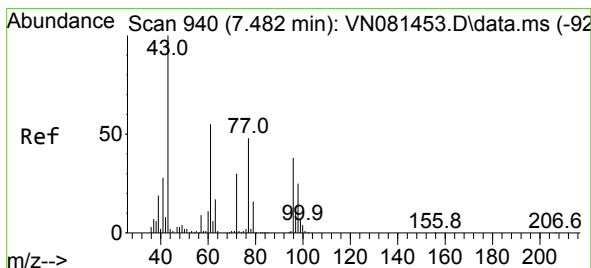
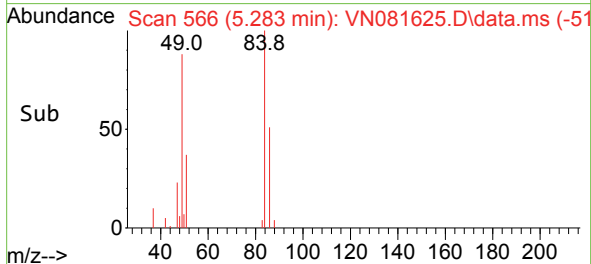
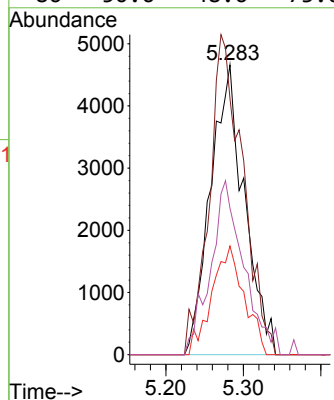
#20
Methylene Chloride
Concen: 3.155 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03



Tgt Ion: 84 Resp: 14177

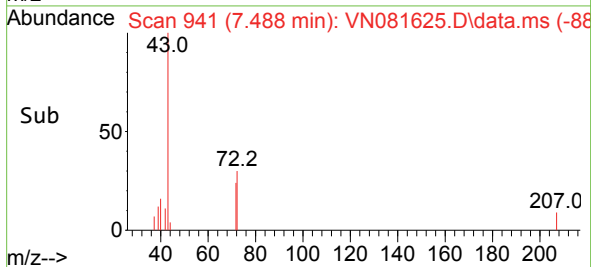
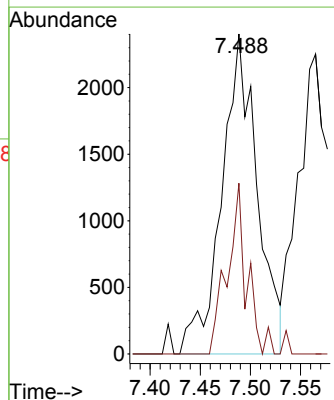
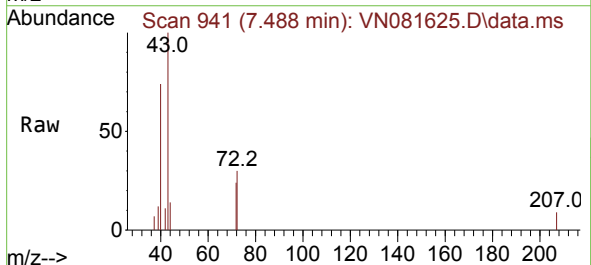
Ion	Ratio	Lower	Upper
84	100		
49	88.4	108.1	162.1#
51	37.5	32.9	49.3
86	50.6	48.6	73.0

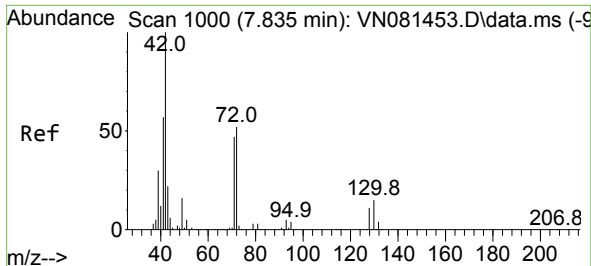


#25
2-Butanone
Concen: 2.505 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 43 Resp: 5893

Ion	Ratio	Lower	Upper
43	100		
72	53.3	19.5	29.3#





#29

Tetrahydrofuran

Concen: 0.449 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN081625.D

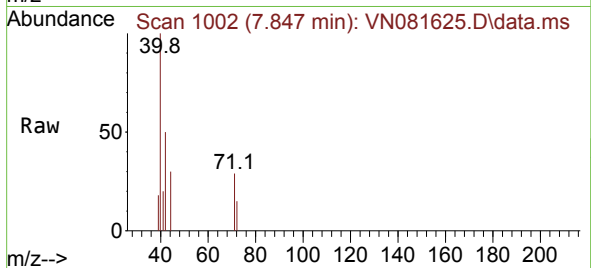
Acq: 29 Mar 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#03



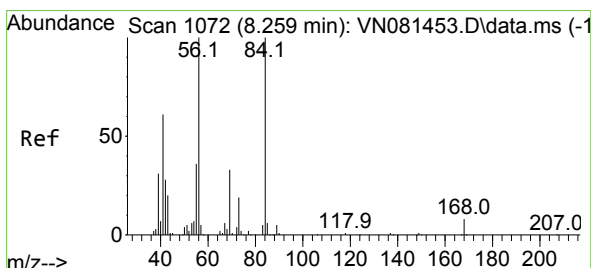
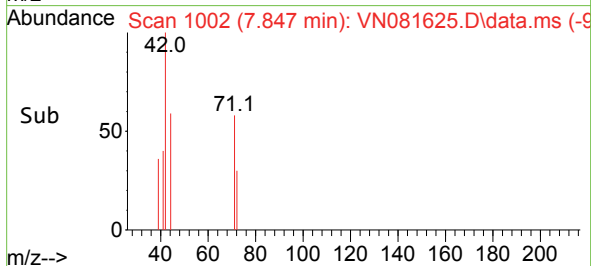
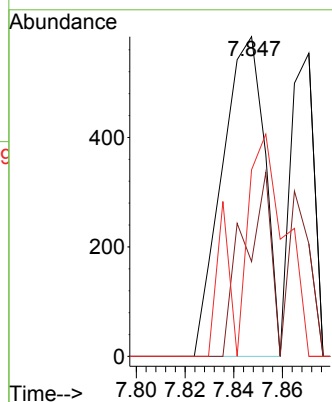
Tgt Ion: 42 Resp: 711

Ion Ratio Lower Upper

42 100

72 37.3 31.1 46.7

71 73.4 28.3 42.5#



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

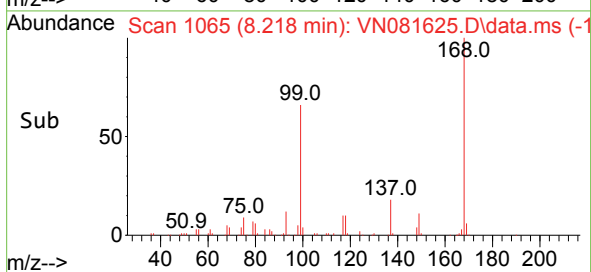
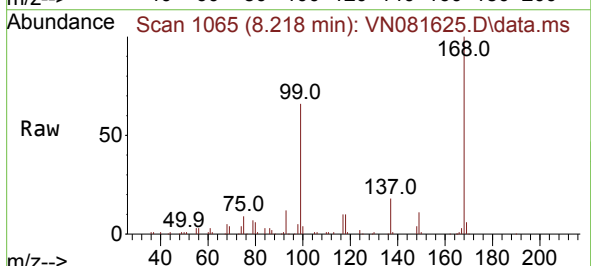
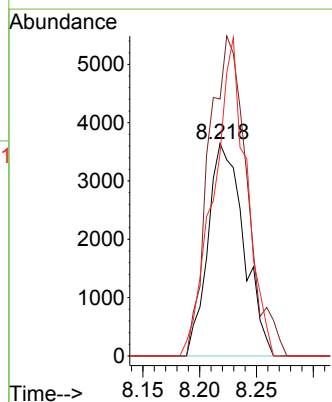
Tgt Ion: 56 Resp: 7972

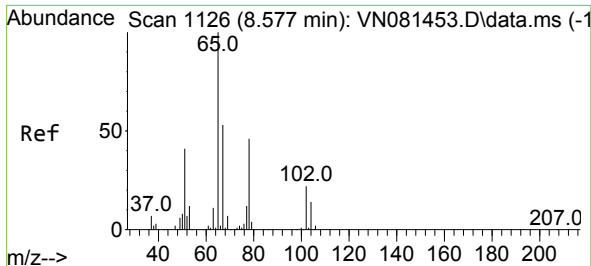
Ion Ratio Lower Upper

56 100

69 120.9 20.1 30.1#

84 95.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 56.553 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

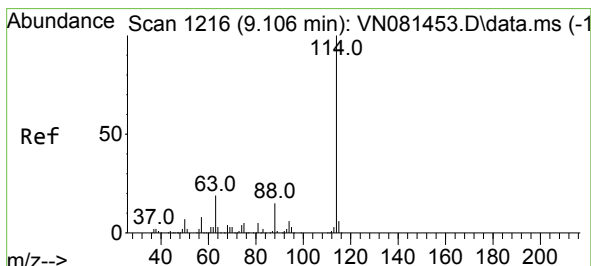
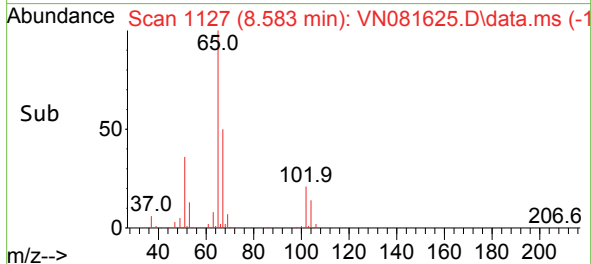
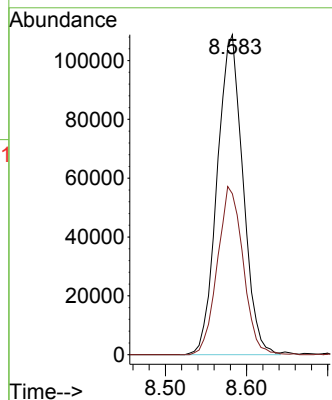
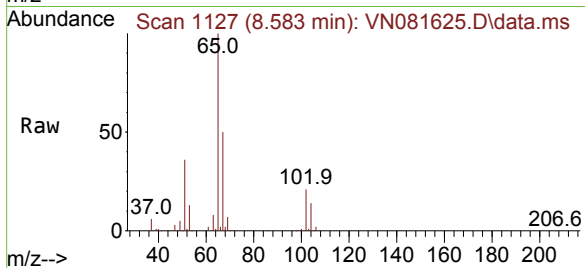
PB159859ZHE#03

Tgt Ion: 65 Resp: 240043

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

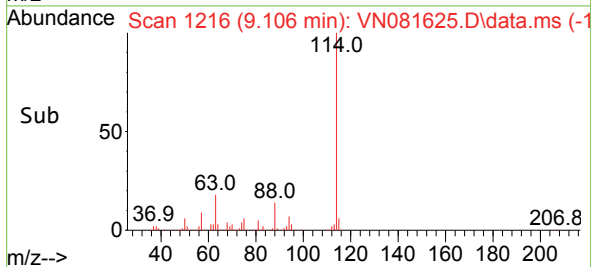
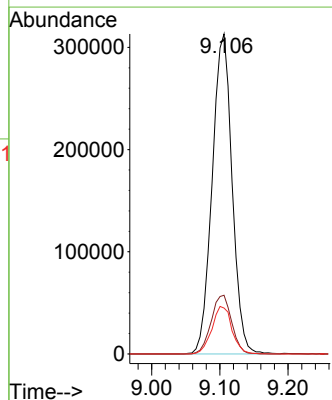
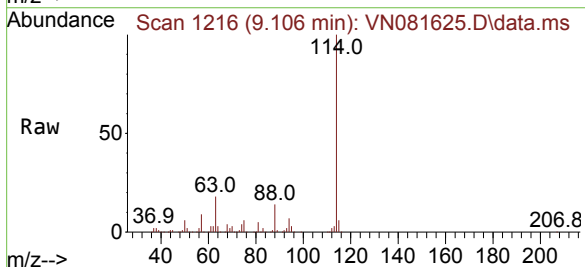
Tgt Ion: 114 Resp: 637204

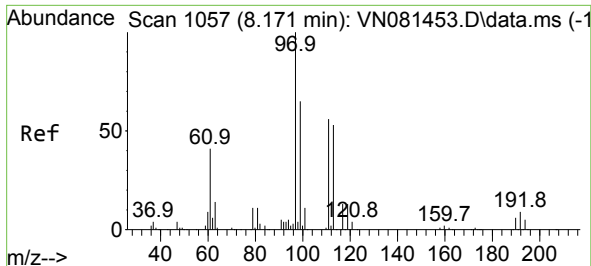
Ion Ratio Lower Upper

114 100

63 18.4 0.0 48.0

88 14.3 0.0 34.8

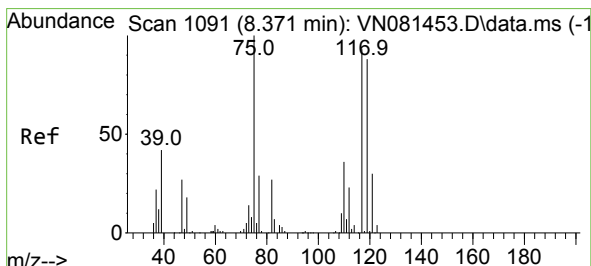
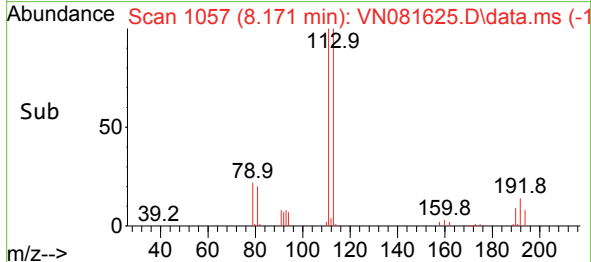
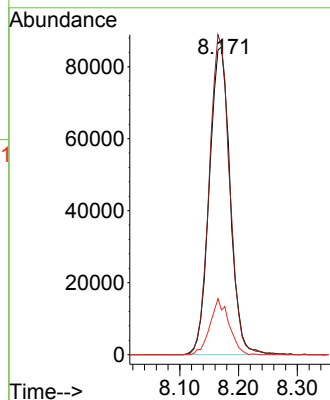
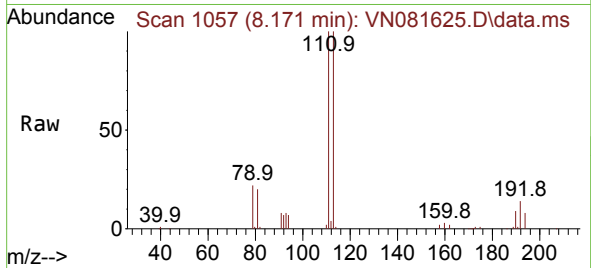




#35
Dibromofluoromethane
Concen: 52.078 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

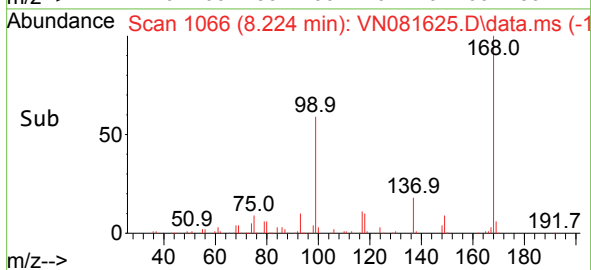
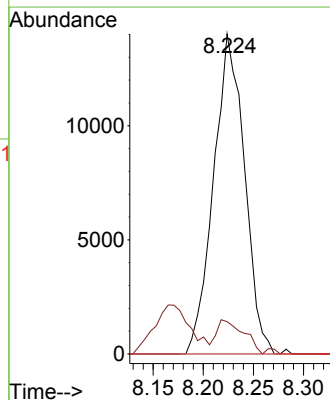
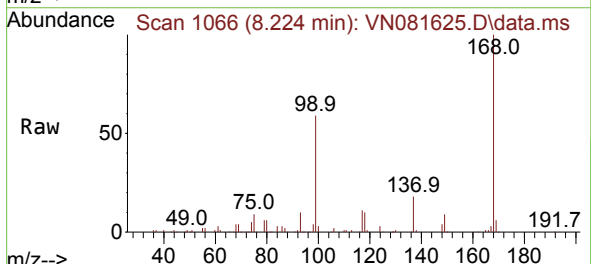
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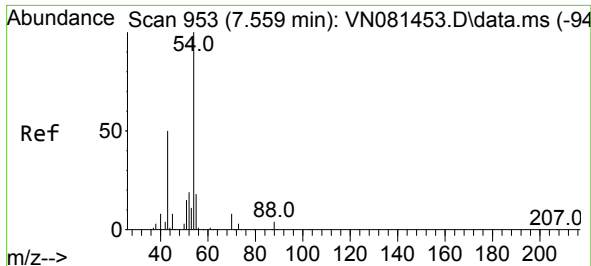
Tgt Ion:113 Resp: 209426
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 16.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 75 Resp: 30044
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 0.880 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#03

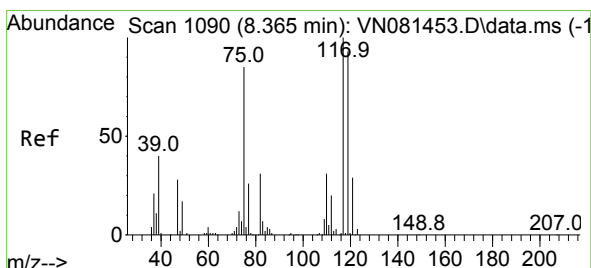
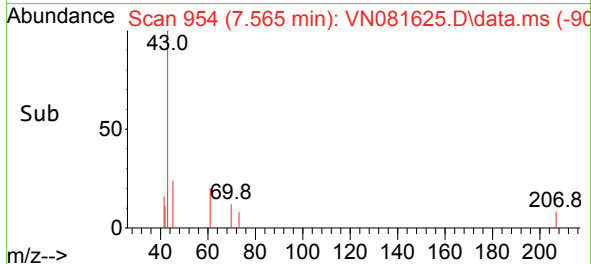
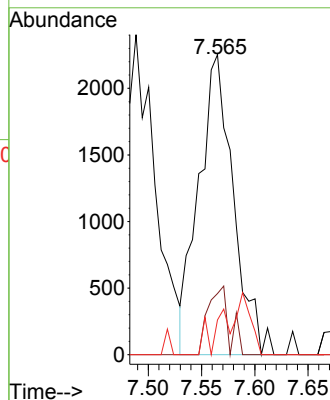
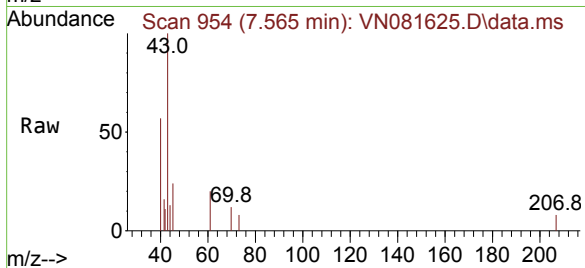
Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

43 100

61 13.8 10.6 15.8

70 7.2 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 4.917 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

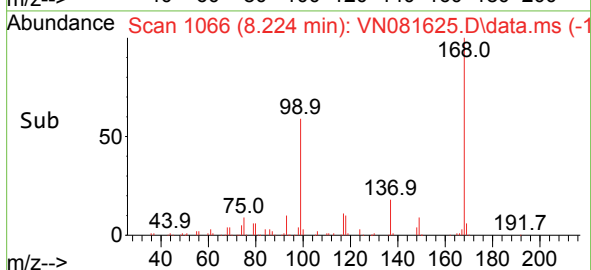
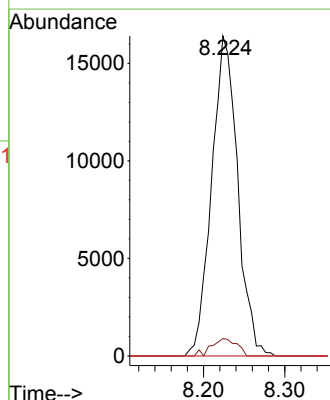
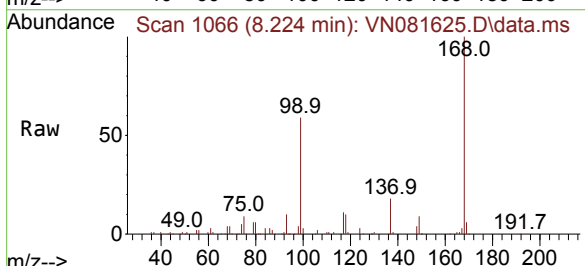
Tgt Ion: 117 Resp: 36450

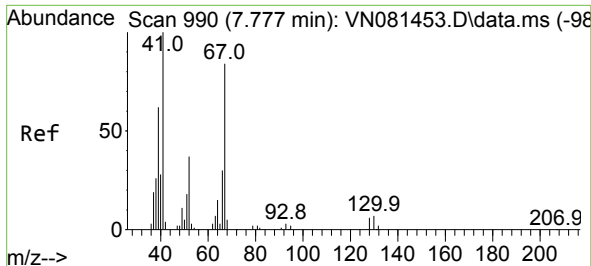
Ion Ratio Lower Upper

117 100

119 5.5 73.4 110.2#

121 0.0 24.4 36.6#

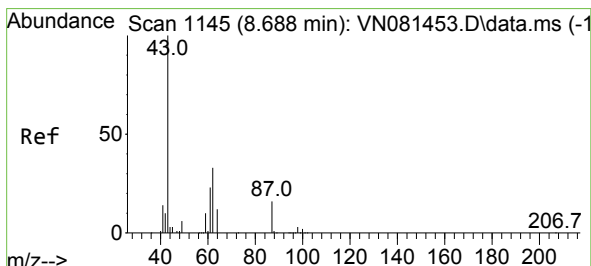
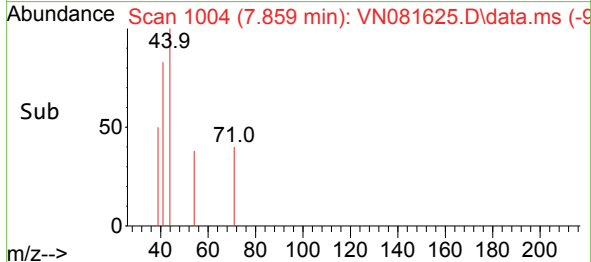
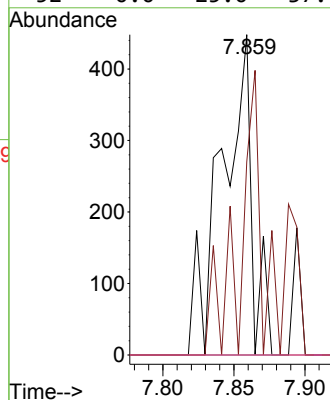
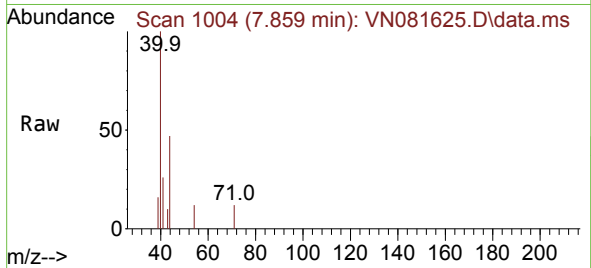




#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

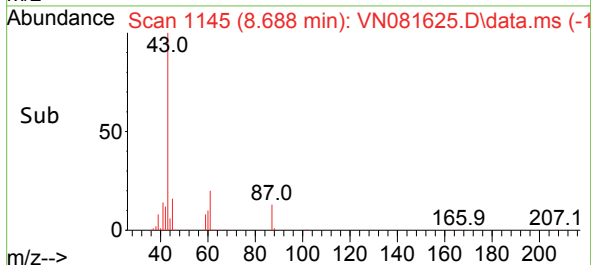
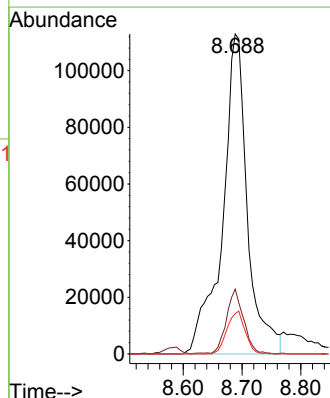
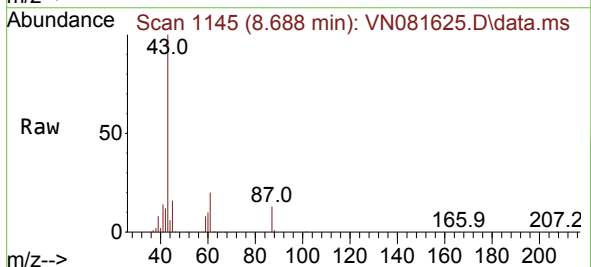
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03

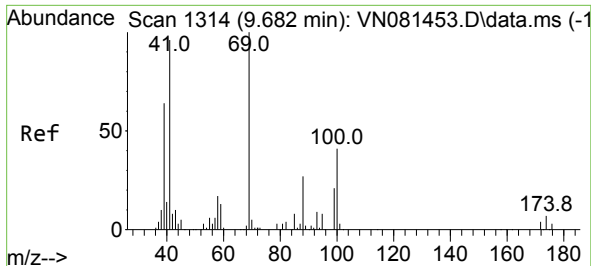
Tgt Ion: 41	Resp: 671
Ion Ratio	Lower Upper
41	100
39	55.3 48.4 72.6
67	0.0 56.8 85.2#
52	0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 34.501 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 43	Resp: 331410
Ion Ratio	Lower Upper
43	100
61	14.1 19.9 29.9#
87	9.7 9.0 13.6

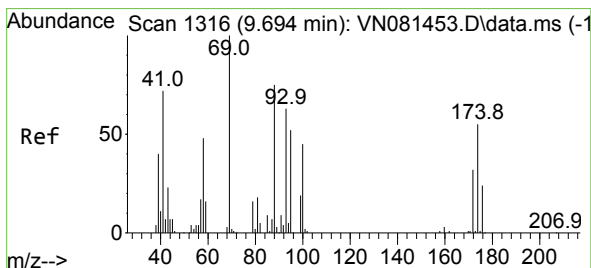
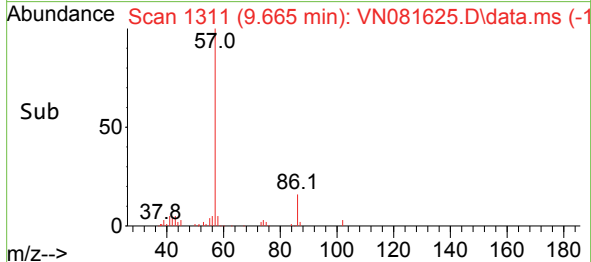
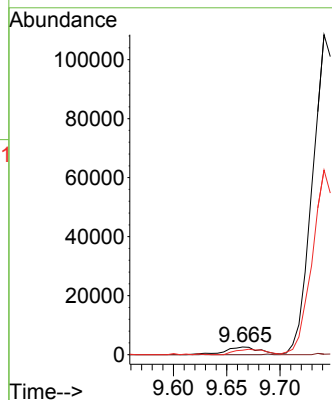
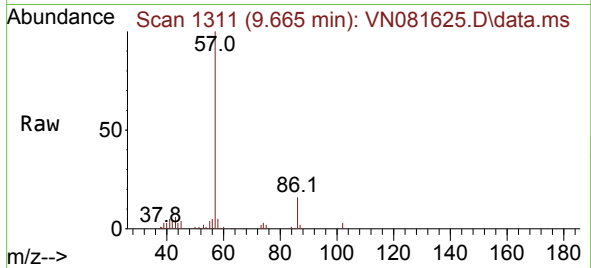




#48
Methyl methacrylate
Concen: 1.351 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

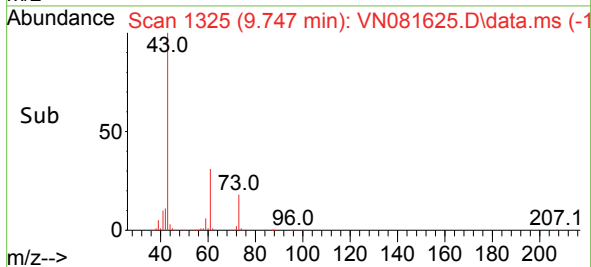
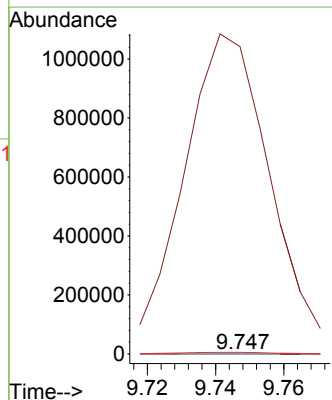
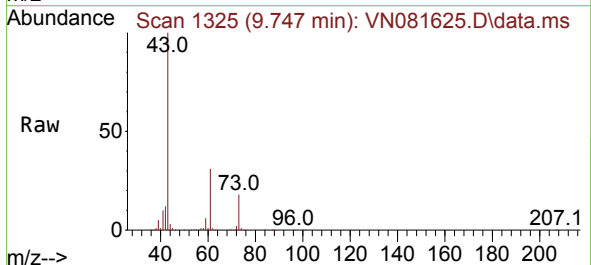
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03

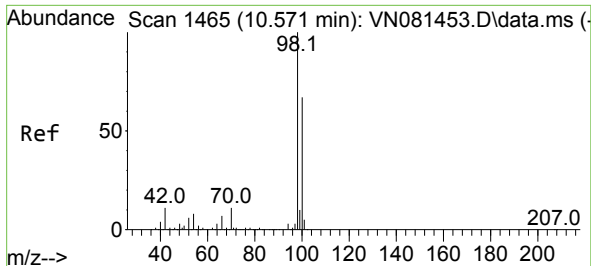
Tgt Ion: 41 Resp: 5986
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 60.8 47.6 71.4



#49
1,4-Dioxane
Concen: 1.935 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 944291.3 30.1 45.1#
58 5404.4 63.9 95.9#

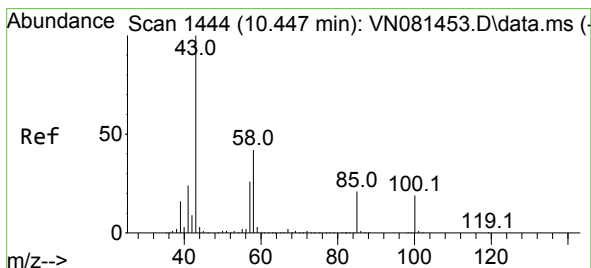
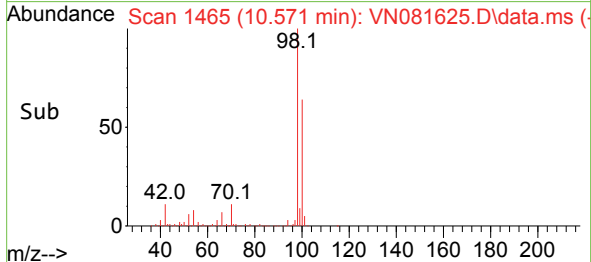
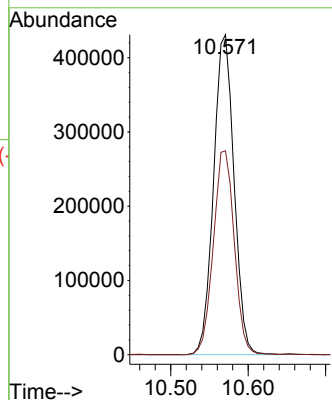
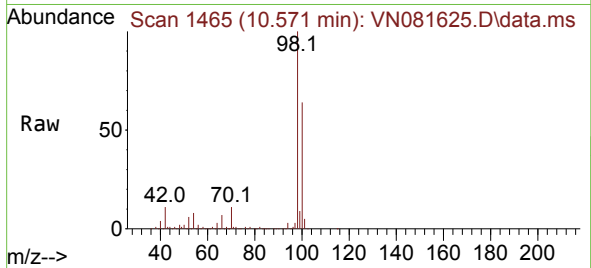




#50
Toluene-d8
Concen: 54.409 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

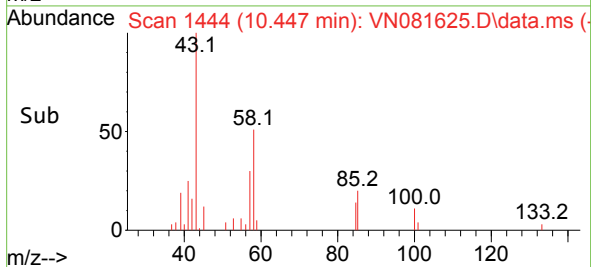
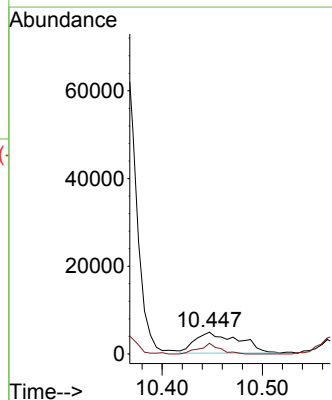
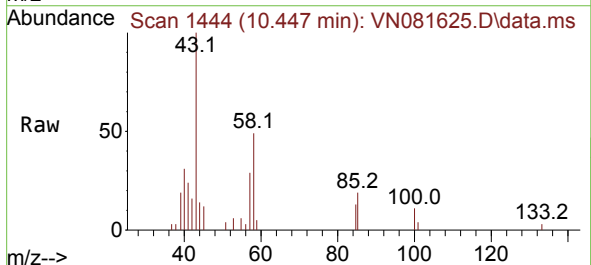
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#03

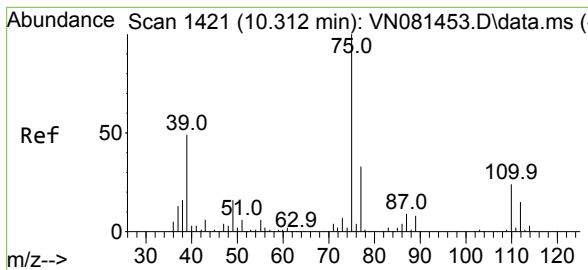
Tgt Ion: 98 Resp: 790934
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.467 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081625.D
Acq: 29 Mar 2024 19:05

Tgt Ion: 43 Resp: 14461
Ion Ratio Lower Upper
43 100
58 24.0 29.4 44.0#

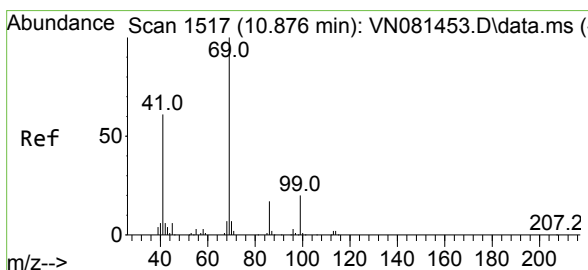
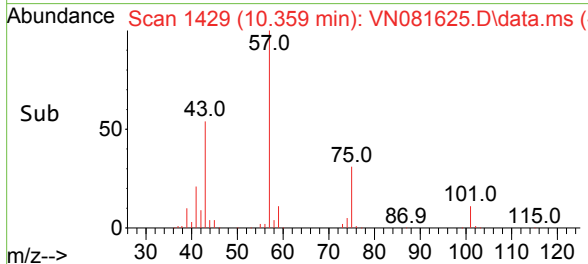
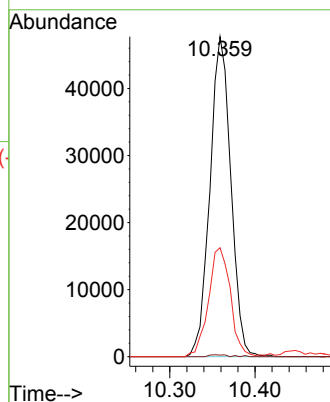
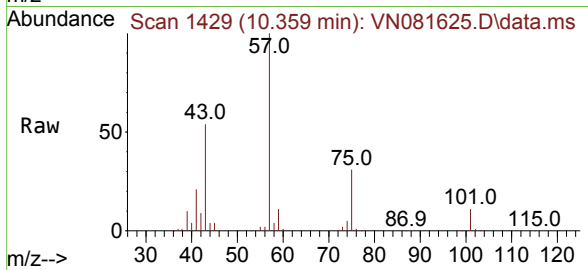




#54
 cis-1,3-Dichloropropene
 Concen: 9.876 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

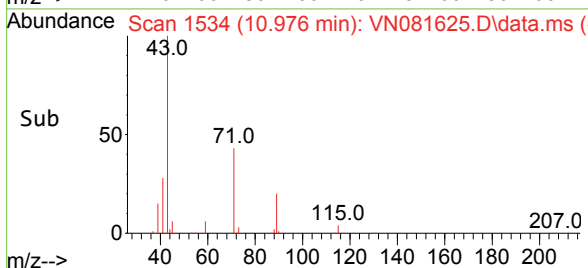
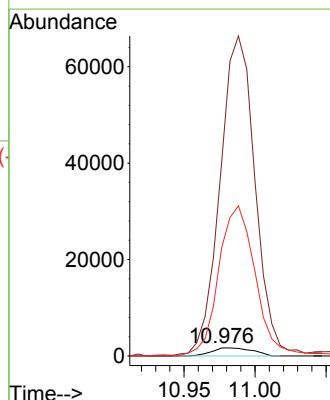
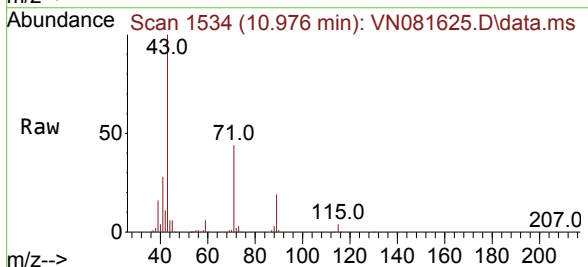
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#03

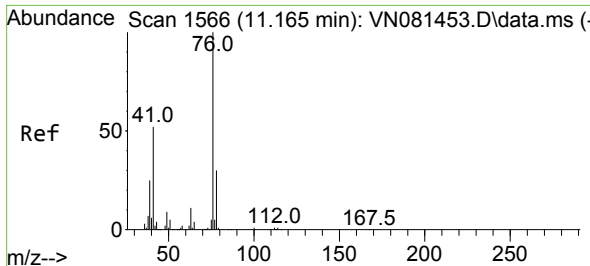
Tgt Ion: 75 Resp: 81401
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 34.1 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.058 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

Tgt Ion: 69 Resp: 3345
 Ion Ratio Lower Upper
 69 100
 41 3425.3 61.0 91.6#
 39 1673.7 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.375 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

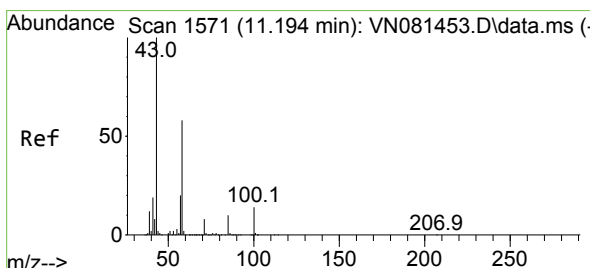
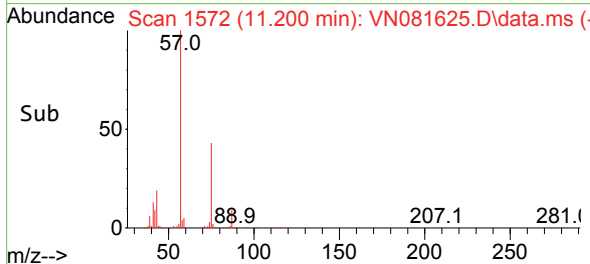
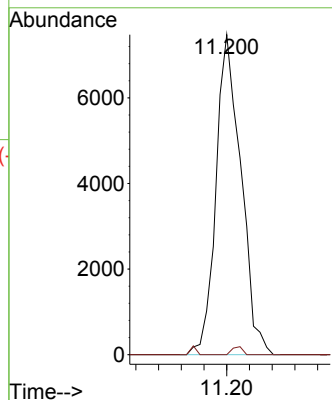
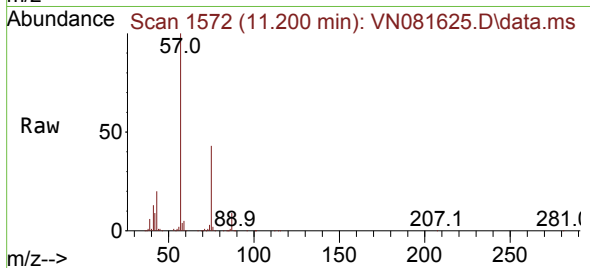
PB159859ZHE#03

Tgt Ion: 76 Resp: 11408

Ion Ratio Lower Upper

76 100

78 1.1 25.5 38.3#



#59

2-Hexanone

Concen: 28.600 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN081625.D

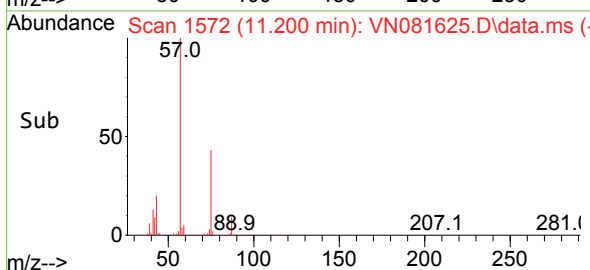
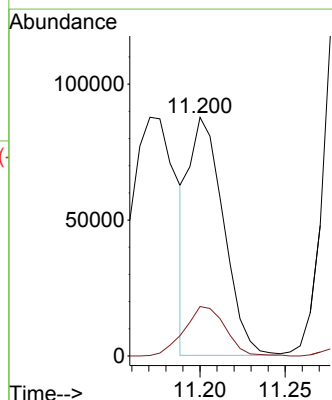
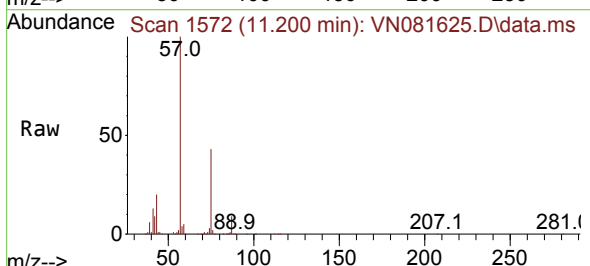
Acq: 29 Mar 2024 19:05

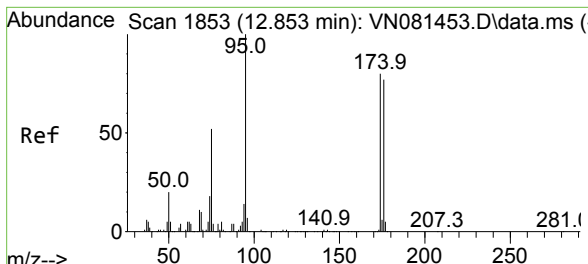
Tgt Ion: 43 Resp: 123941

Ion Ratio Lower Upper

43 100

58 24.7 25.9 77.8#

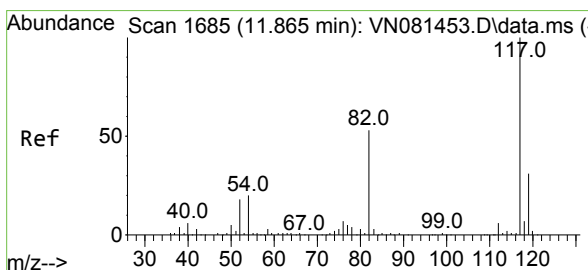
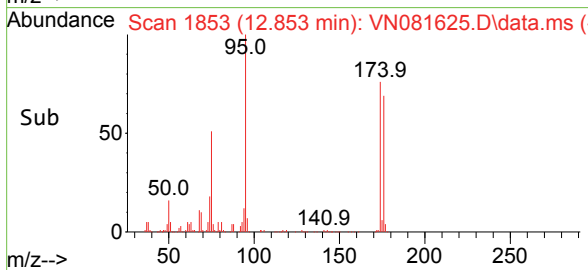
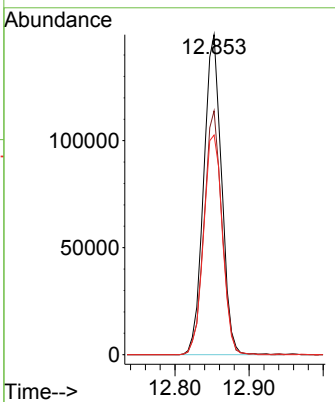
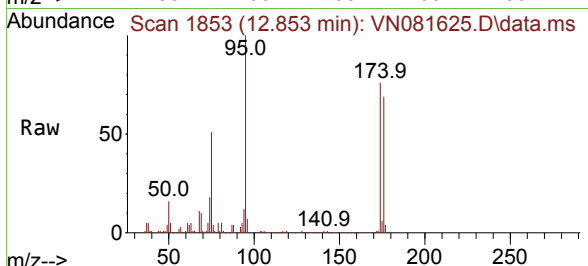




#62
 4-Bromofluorobenzene
 Concen: 48.788 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

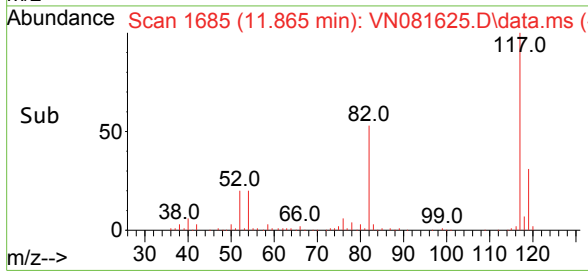
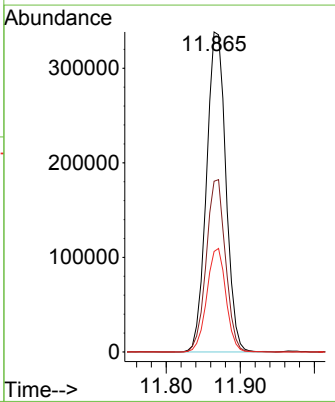
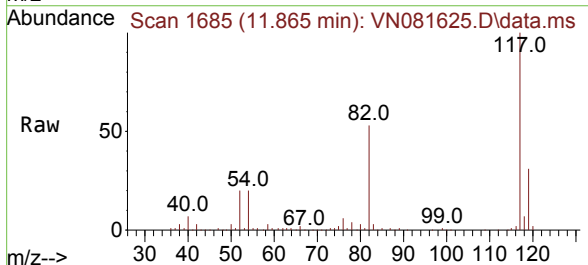
Instrument : MSVOA_N
 ClientSampleId : PB159859ZHE#03

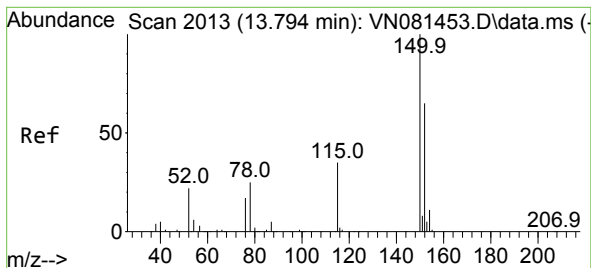
Tgt Ion:	95	Resp:	249904
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	120.4
176	72.6	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

Tgt Ion:	117	Resp:	614287
Ion	Ratio	Lower	Upper
117	100		
82	53.4	52.7	79.1
119	31.4	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#03

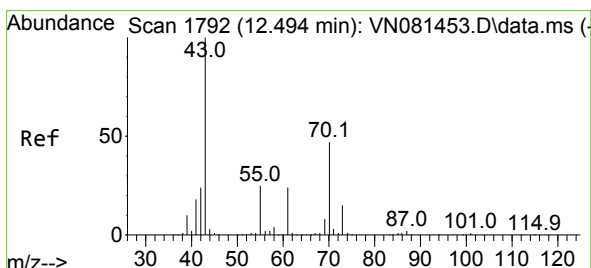
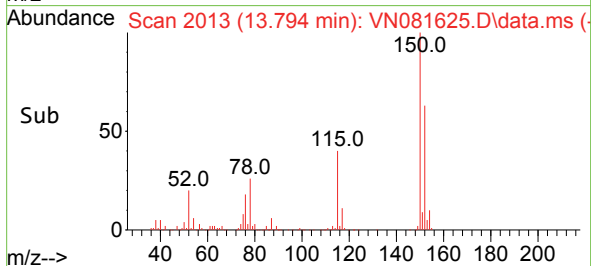
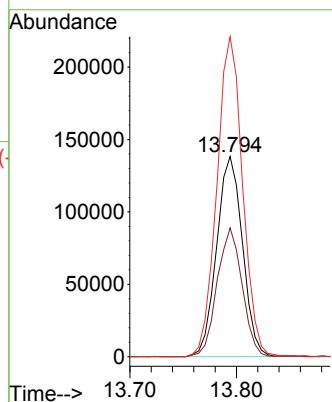
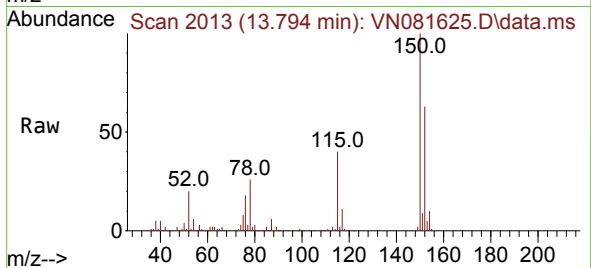
Tgt Ion:152 Resp: 232759

Ion Ratio Lower Upper

152 100

115 62.2 32.3 96.8

150 159.2 0.0 339.8



#74

N-ethyl acetate

Concen: 0.330 ug/l

RT: 12.471 min Scan# 1788

Delta R.T. -0.023 min

Lab File: VN081625.D

Acq: 29 Mar 2024 19:05

Tgt Ion: 43 Resp: 2373

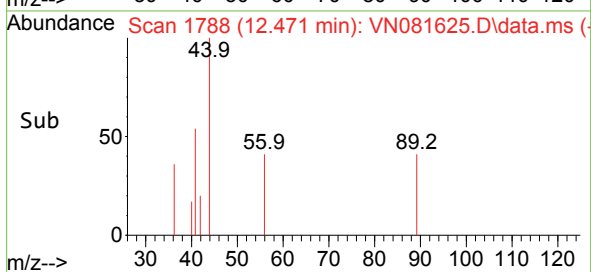
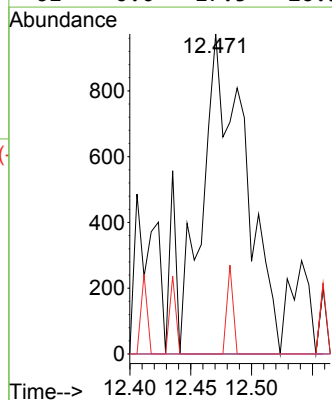
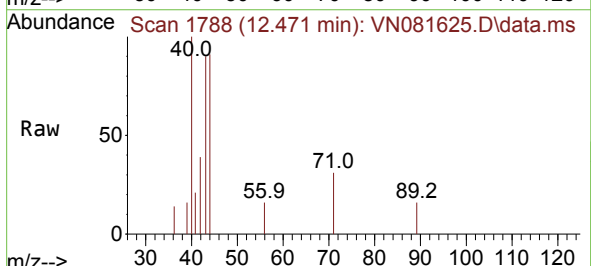
Ion Ratio Lower Upper

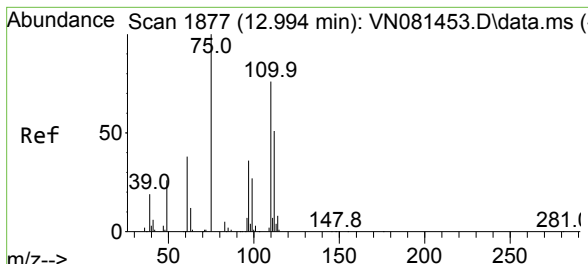
43 100

70 0.0 30.1 45.1#

55 4.0 17.0 25.4#

61 0.0 17.5 26.3#

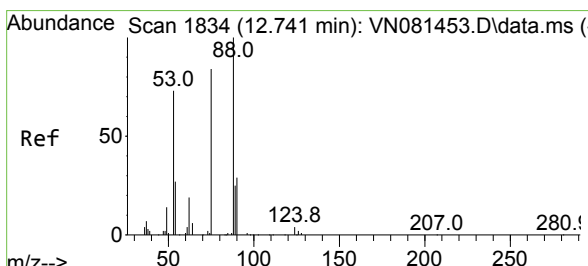
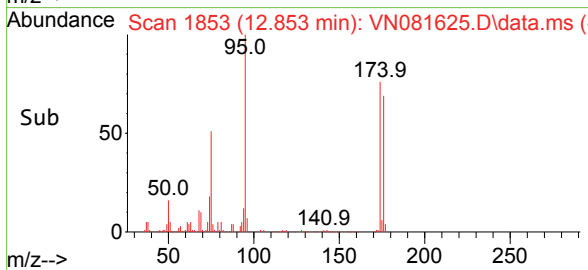
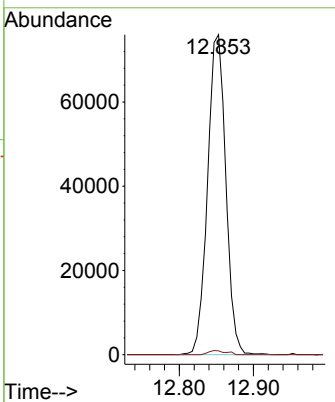
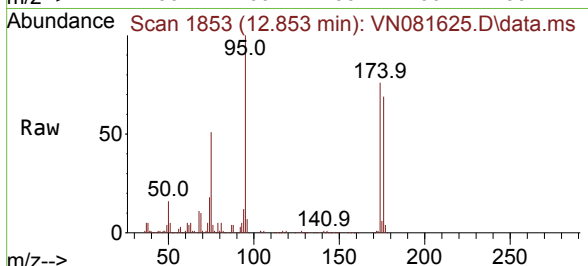




#76
 1,2,3-Trichloropropane
 Concen: 23.312 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

Instrument : MSVOA_N
 ClientSampleId : PB159859ZHE#03

Tgt Ion: 75 Resp: 129793
 Ion Ratio Lower Upper
 75 100
 77 1.3 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.996 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081625.D
 Acq: 29 Mar 2024 19:05

Tgt Ion: 75 Resp: 129793
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.0 33.4 50.0#

