

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081624.D
 Acq On : 29 Mar 2024 18:41
 Operator : JC\MD
 Sample : PB159859ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#02

Quant Time: Mar 30 00:33:44 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)

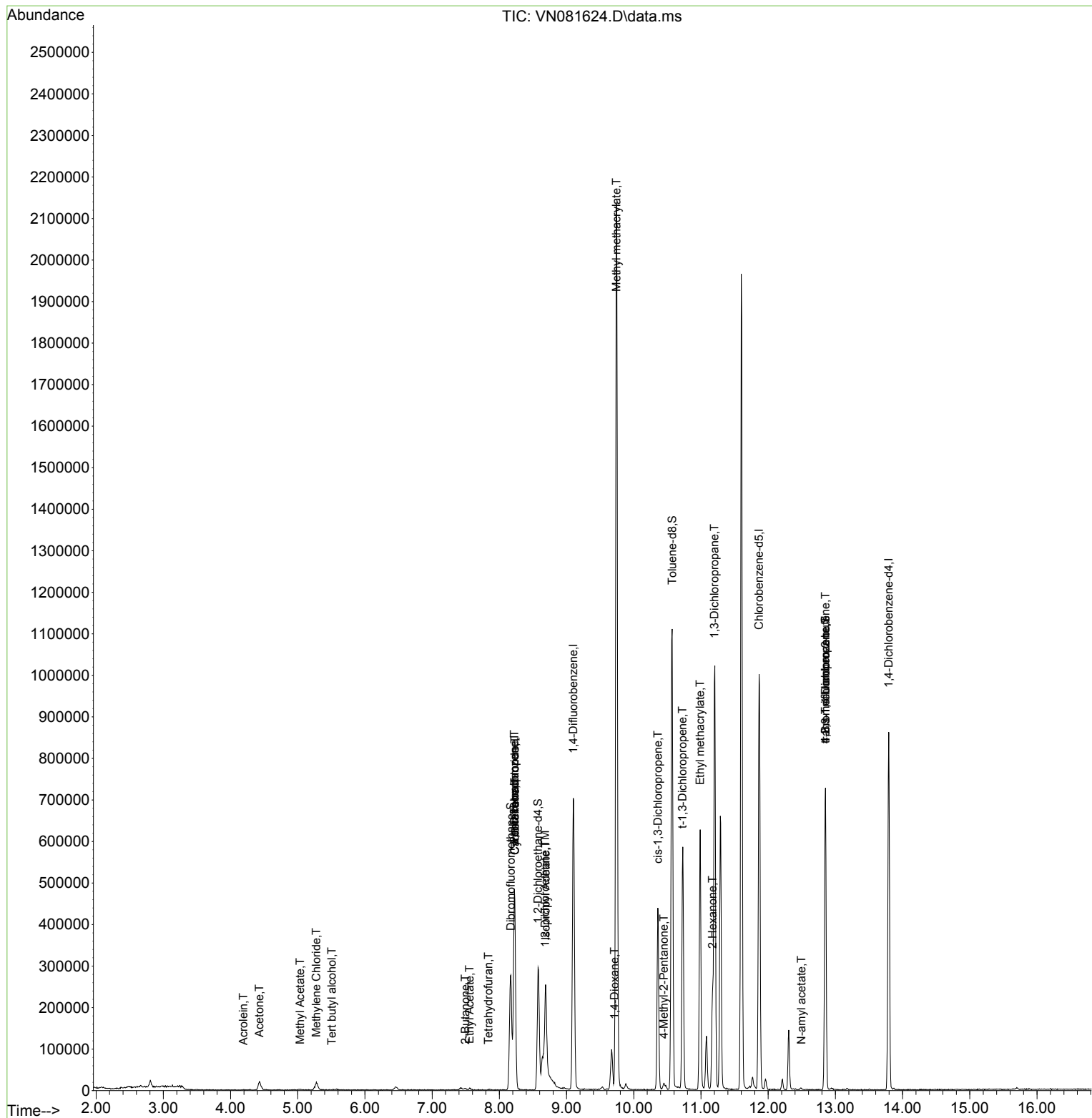
Internal Standards						
1) Pentafluorobenzene	8.224	168	337041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	628791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	606737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	235953	54.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.800%			
35) Dibromofluoromethane	8.171	113	200893	50.624	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	10.571	98	781015	54.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.900%			
62) 4-Bromofluorobenzene	12.853	95	249297	49.321	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 98.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	208	0.278	ug/l #	72
13) Acrolein	4.189	56	204	0.304	ug/l #	1
16) Acetone	4.430	43	34604	24.912	ug/l	99
18) Methyl Acetate	5.036	43	3171	0.740	ug/l #	76
20) Methylene Chloride	5.277	84	13570	2.982	ug/l #	77
25) 2-Butanone	7.494	43	5799	2.434	ug/l #	69
29) Tetrahydrofuran	7.835	42	570	0.355	ug/l #	67
31) Cyclohexane	8.230	56	7784	1.113	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	30511	4.569	ug/l #	51
37) Ethyl Acetate	7.559	43	4875	0.852	ug/l #	92
38) Carbon Tetrachloride	8.230	117	36368	4.971	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1472	0.214	ug/l #	75
43) Isopropyl Acetate	8.688	43	367065	38.724	ug/l #	81
48) Methyl methacrylate	9.741	41	193410	44.237	ug/l #	48
49) 1,4-Dioxane	9.712	88	55	0.523	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	8526	1.474	ug/l #	81
53) t-1,3-Dichloropropene	10.724	75	1534	0.202	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	80997	9.958	ug/l #	57
56) Ethyl methacrylate	10.988	69	3158	1.037	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	11072	1.352	ug/l #	44
59) 2-Hexanone	11.171	43	166603	38.959	ug/l #	26
74) N-amyl acetate	12.494	43	2112	0.299	ug/l #	54
76) 1,2,3-Trichloropropane	12.853	75	129166	23.615	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	129166	63.815	ug/l #	14

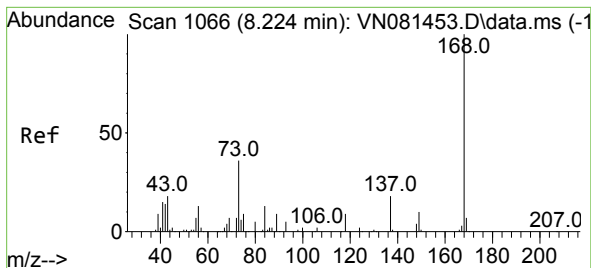
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

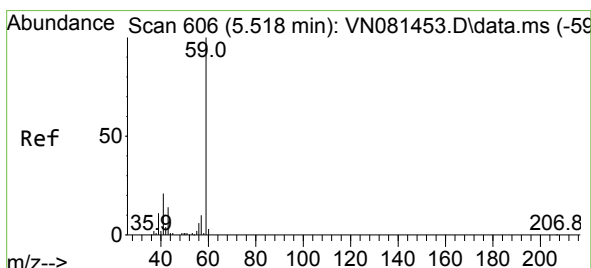
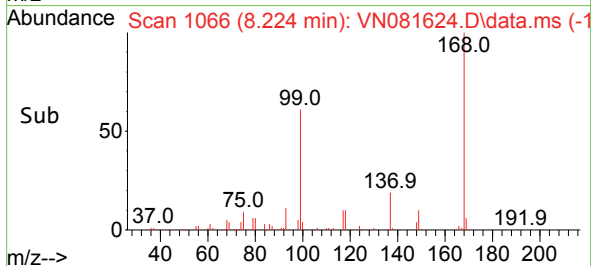
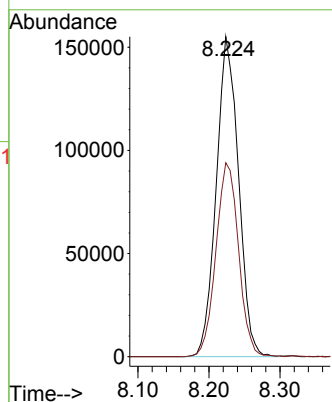
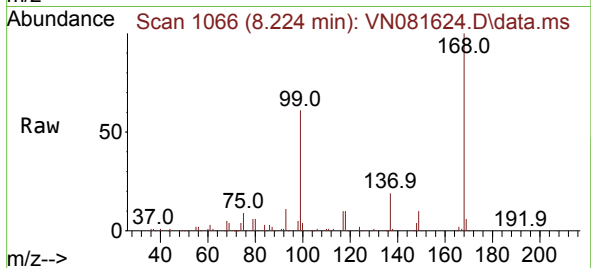
PB159859ZHE#02

Tgt Ion:168 Resp: 337041

Ion Ratio Lower Upper

168 100

99 60.6 59.9 89.9



#11

Tert butyl alcohol

Concen: 0.278 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.012 min

Lab File: VN081624.D

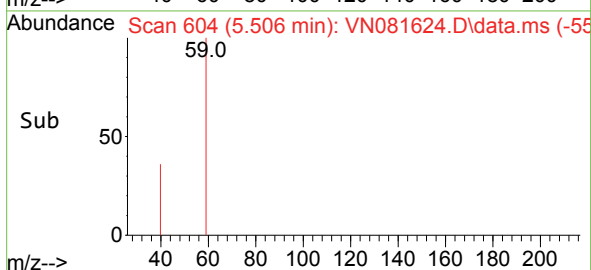
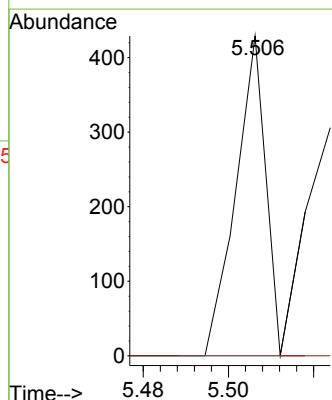
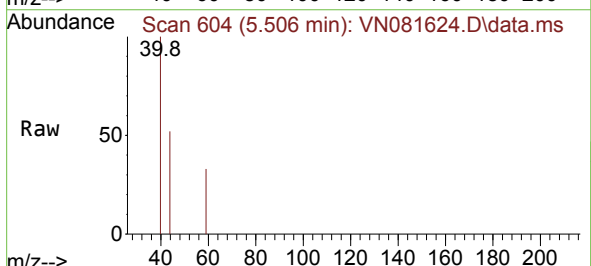
Acq: 29 Mar 2024 18:41

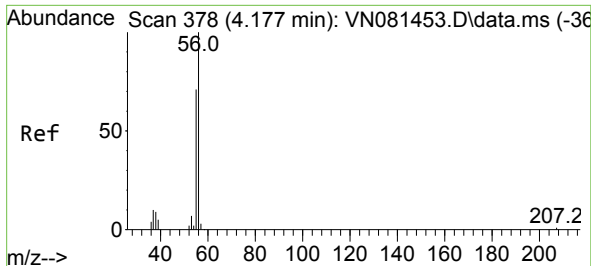
Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

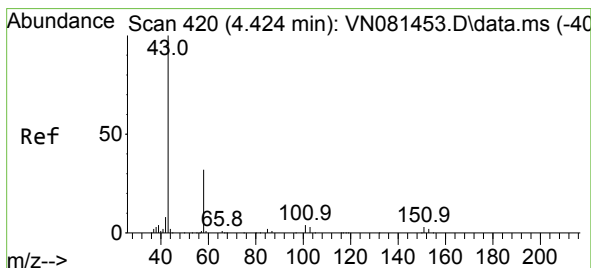
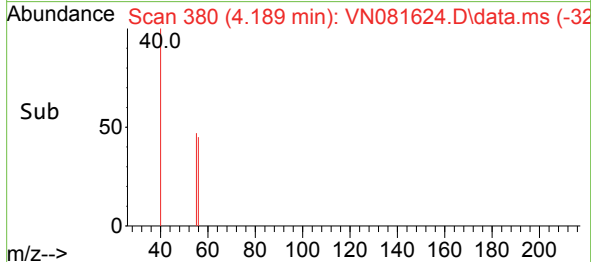
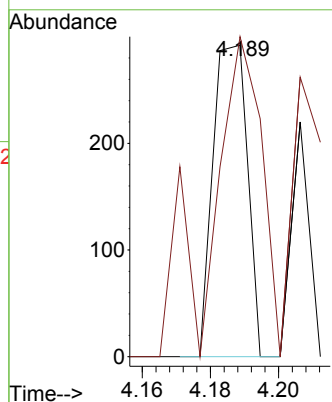
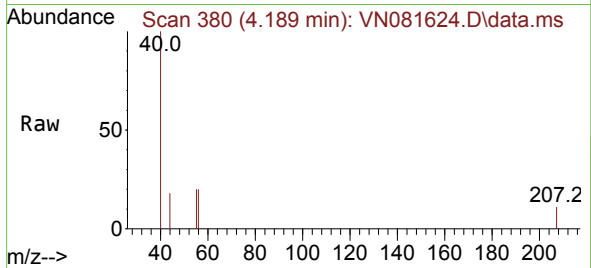




#13
Acrolein
Concen: 0.304 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

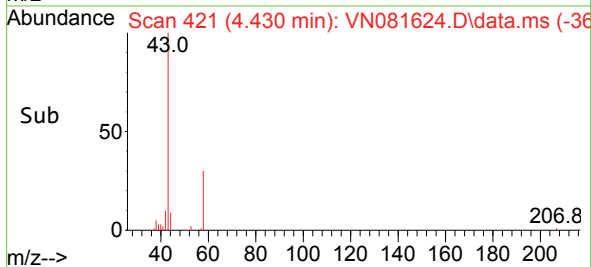
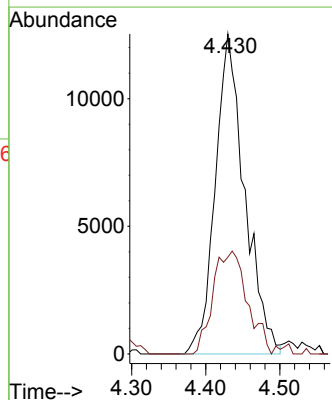
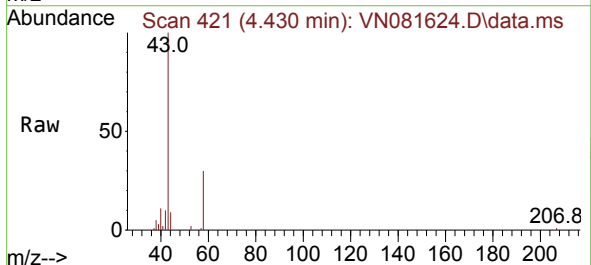
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

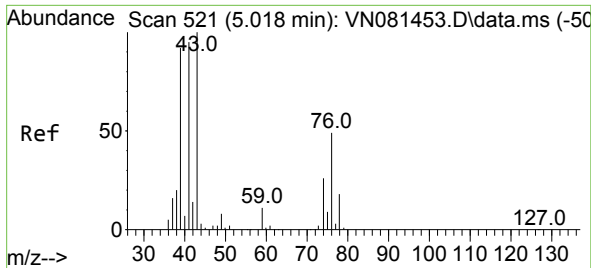
Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 152.0 55.3 82.9#



#16
Acetone
Concen: 24.912 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 43 Resp: 34604
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2

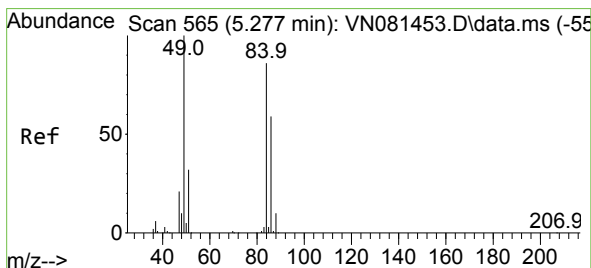
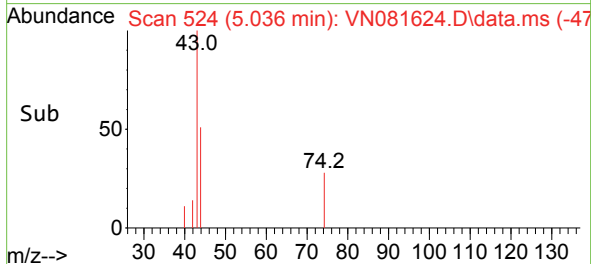
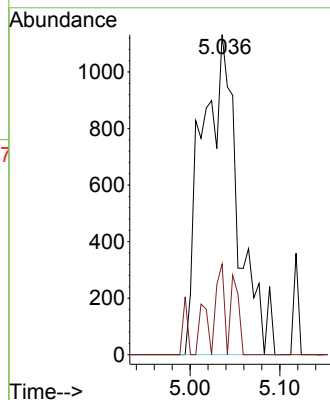
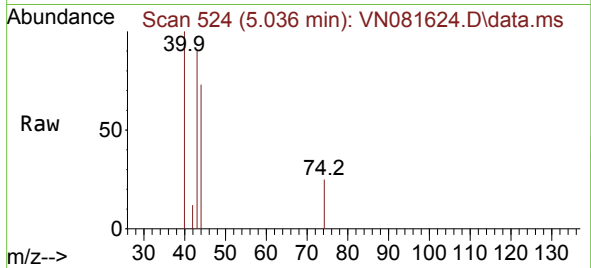




#18
Methyl Acetate
Concen: 0.740 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

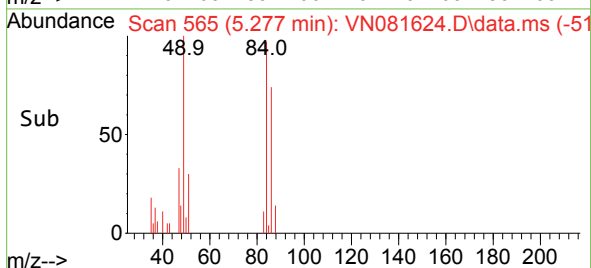
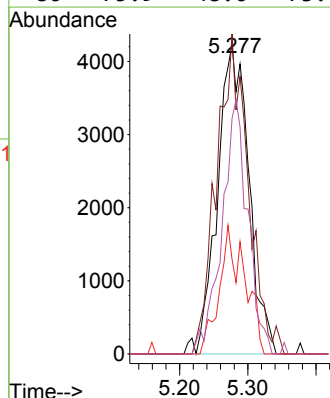
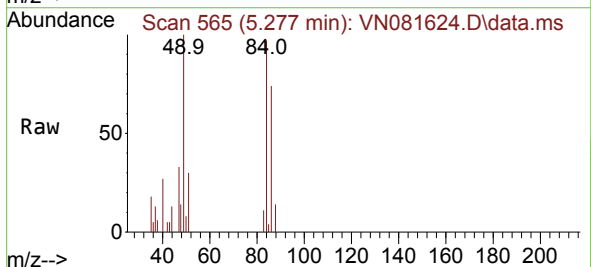
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

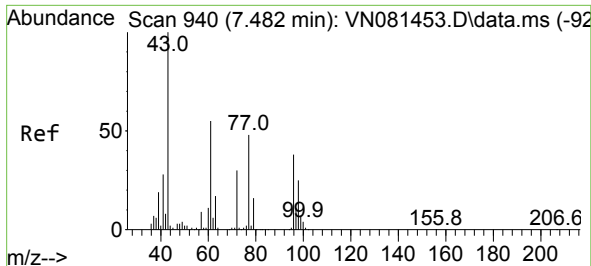
Tgt Ion: 43 Resp: 3171
Ion Ratio Lower Upper
43 100
74 10.1 17.3 25.9#



#20
Methylene Chloride
Concen: 2.982 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 84 Resp: 13570
Ion Ratio Lower Upper
84 100
49 103.2 108.1 162.1#
51 30.6 32.9 49.3#
86 75.9 48.6 73.0#

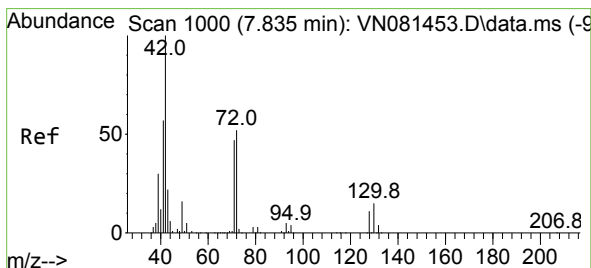
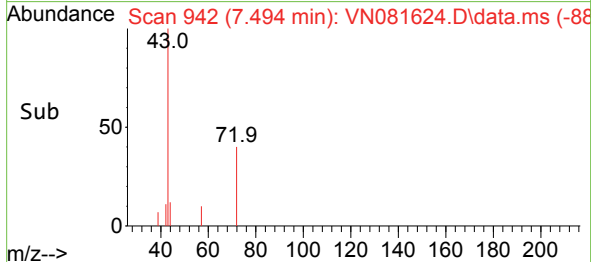
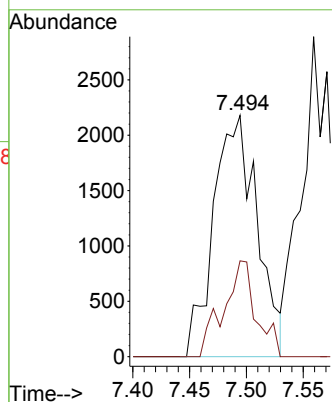
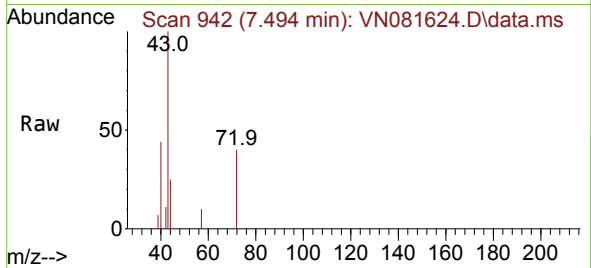




#25
2-Butanone
Concen: 2.434 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

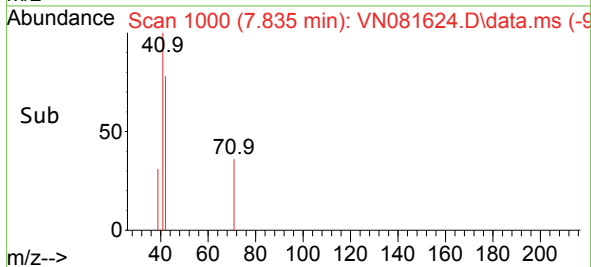
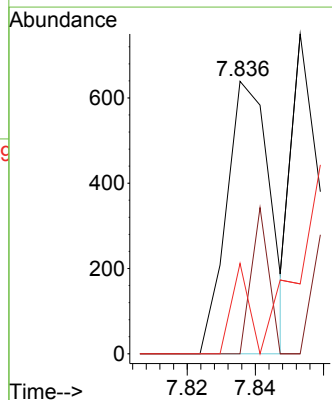
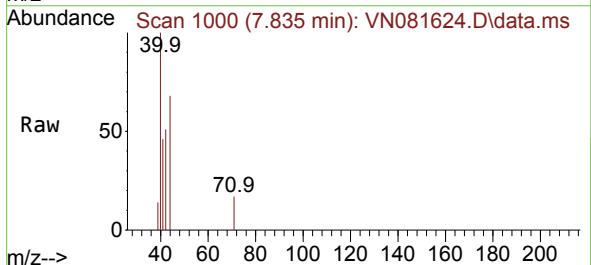
Instrument :
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ClientSampleId :
PB159859ZHE#02

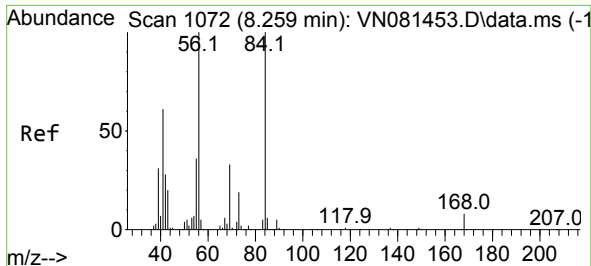
Tgt Ion: 43 Resp: 5799
Ion Ratio Lower Upper
43 100
72 39.7 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.355 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 21.2 31.1 46.7#
71 13.2 28.3 42.5#

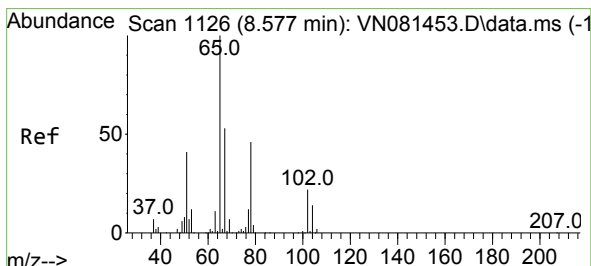
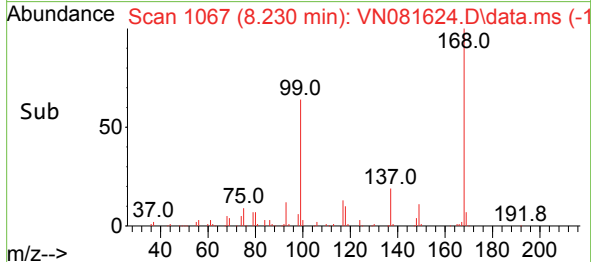
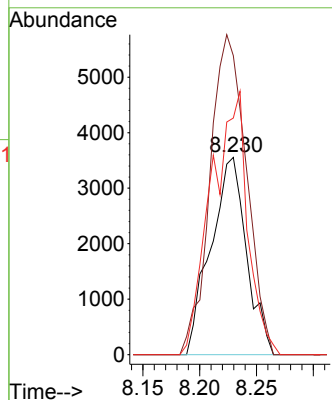
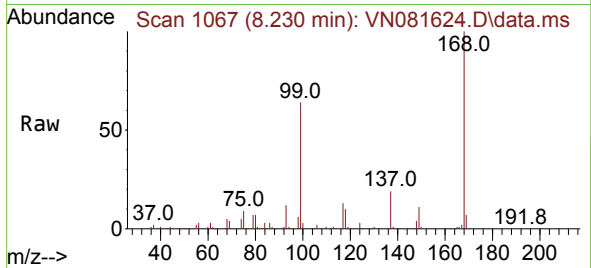




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

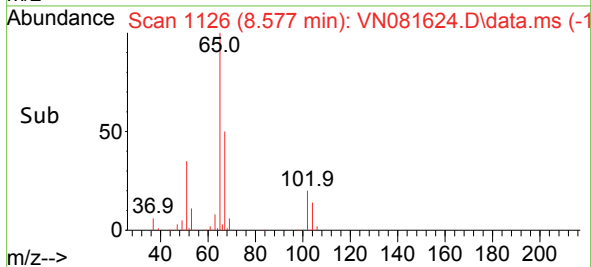
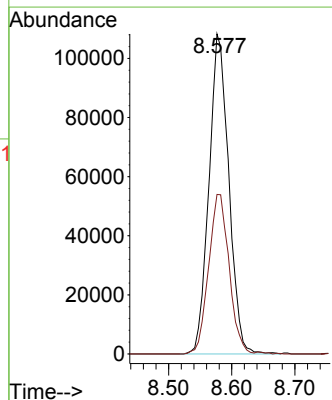
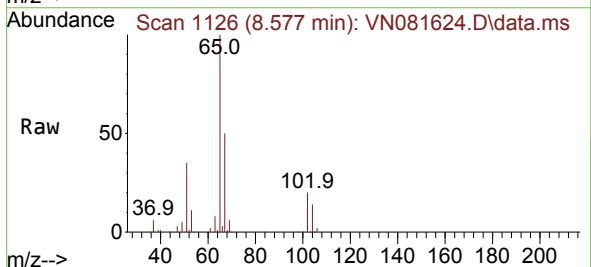
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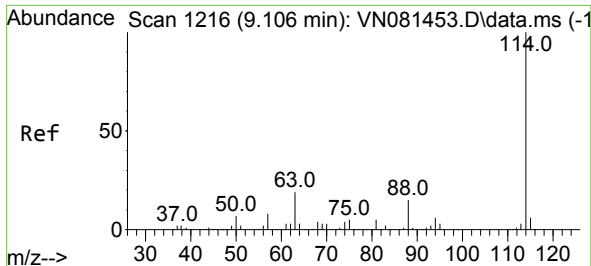
Tgt Ion: 56 Resp: 7784
Ion Ratio Lower Upper
56 100
69 151.5 20.1 30.1#
84 119.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.896 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 65 Resp: 235953
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#02

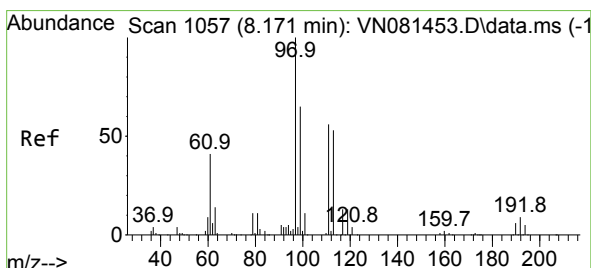
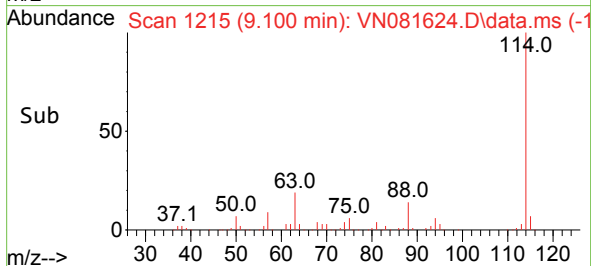
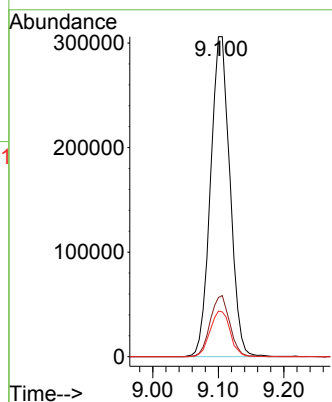
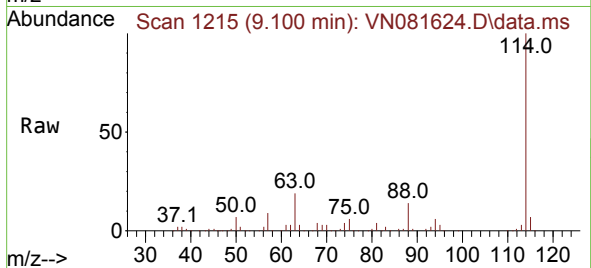
Tgt Ion:114 Resp: 628791

Ion Ratio Lower Upper

114 100

63 18.5 0.0 48.0

88 14.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.624 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

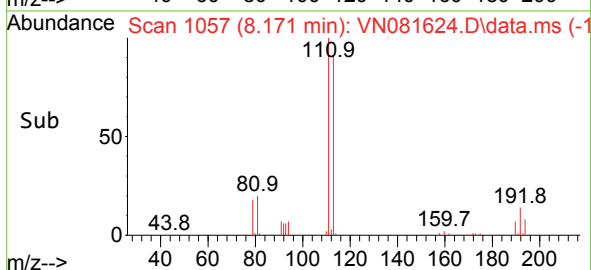
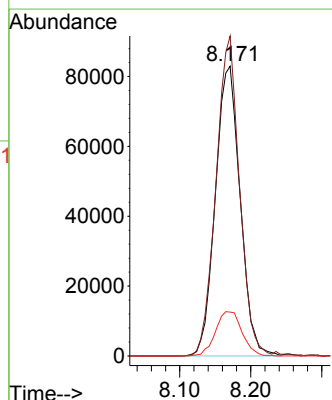
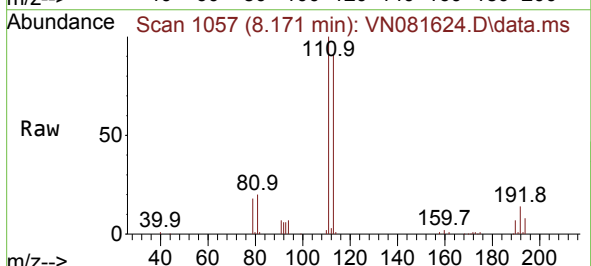
Tgt Ion:113 Resp: 200893

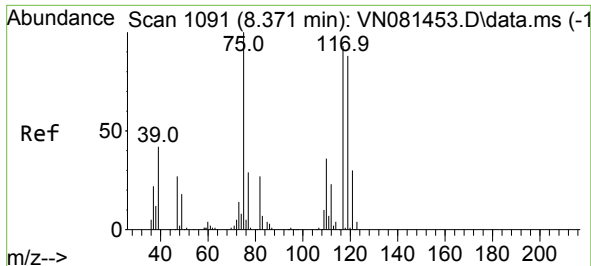
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 16.4 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.569 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#02

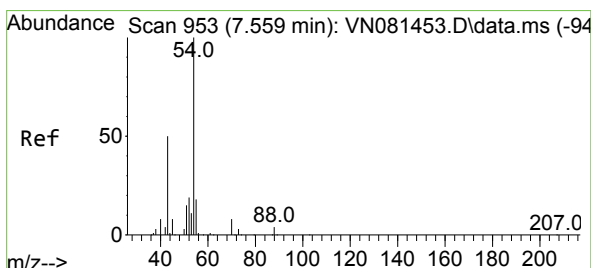
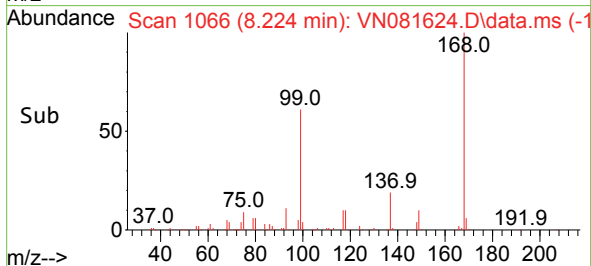
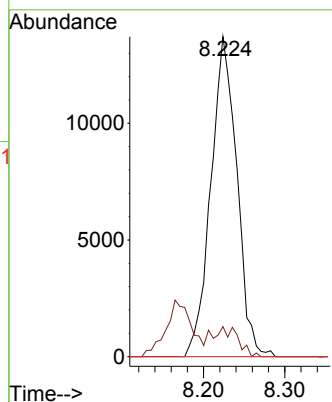
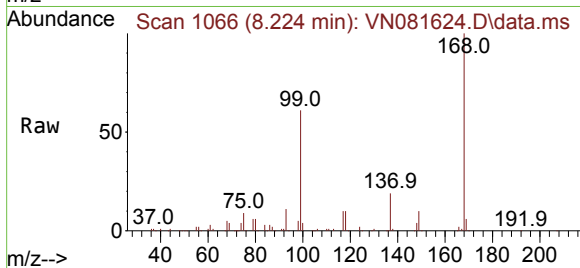
Tgt Ion: 75 Resp: 30511

Ion Ratio Lower Upper

75 100

110 9.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.852 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

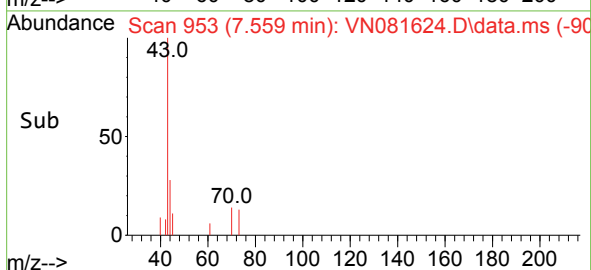
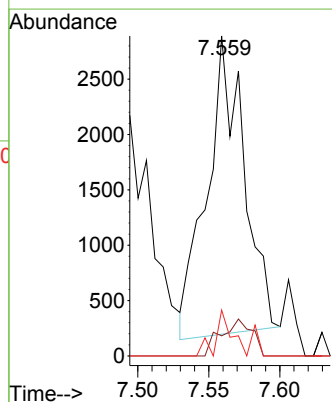
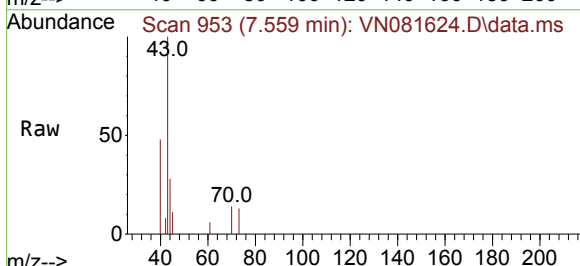
Tgt Ion: 43 Resp: 4875

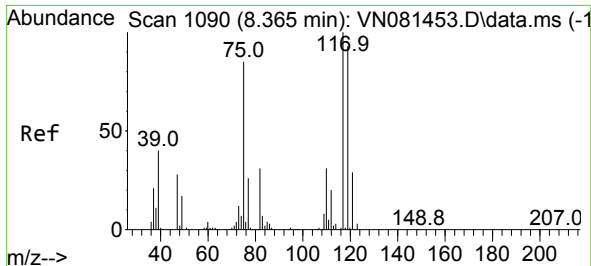
Ion Ratio Lower Upper

43 100

61 10.3 10.6 15.8#

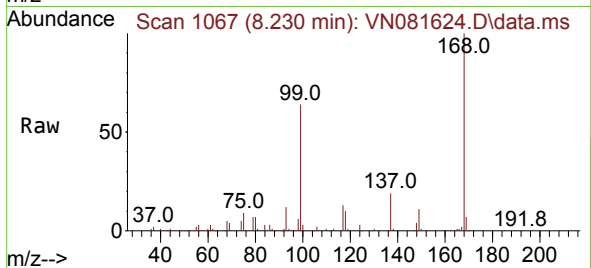
70 6.7 8.0 12.0#



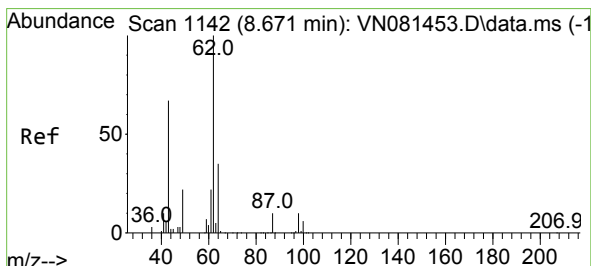
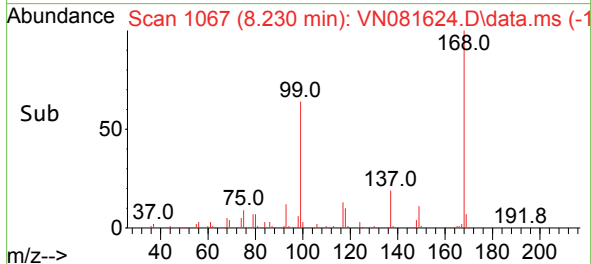
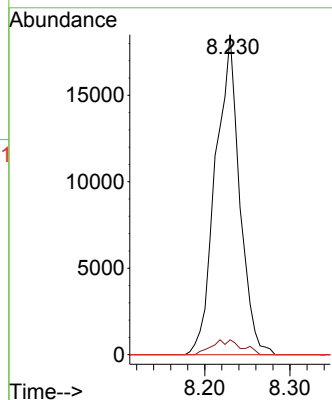


#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

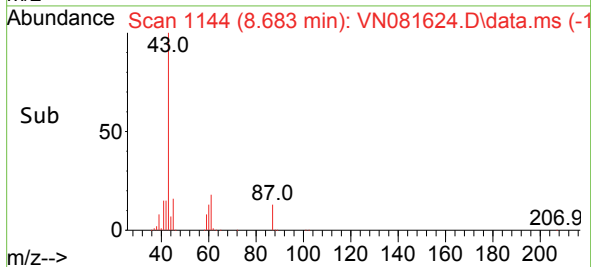
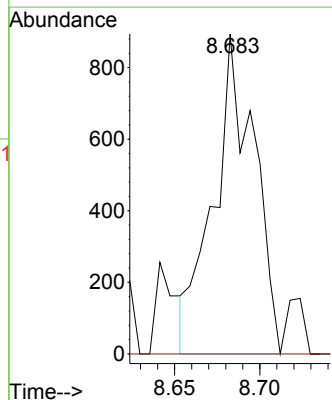
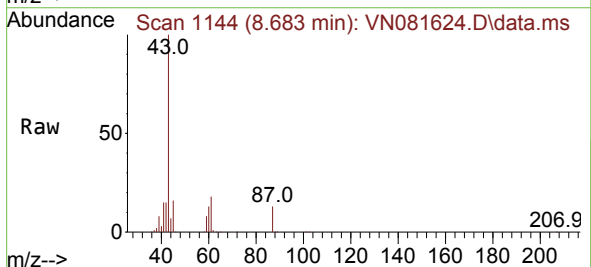


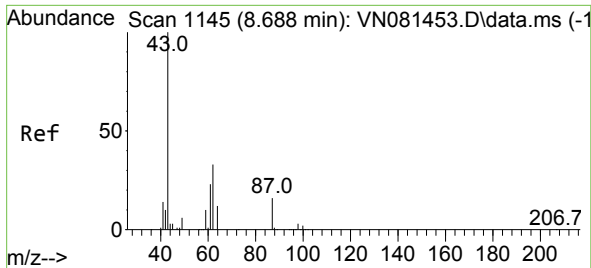
Tgt Ion:117 Resp: 36368
Ion Ratio Lower Upper
117 100
119 4.6 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

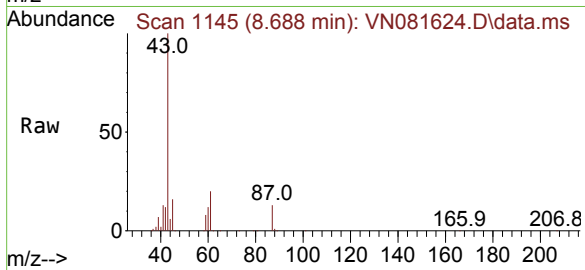
Tgt Ion: 62 Resp: 1472
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



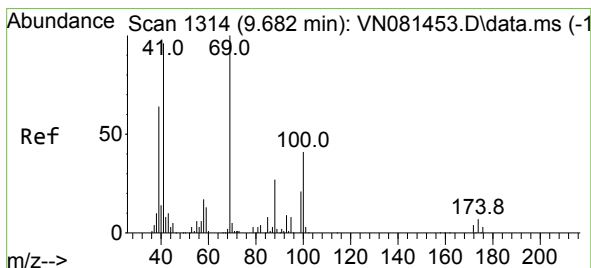
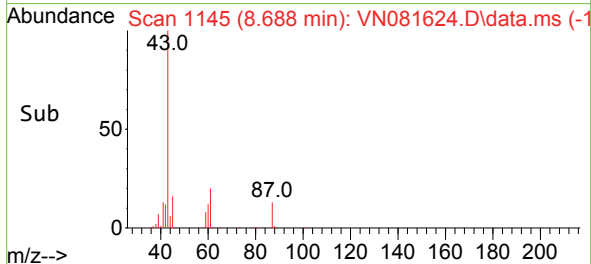
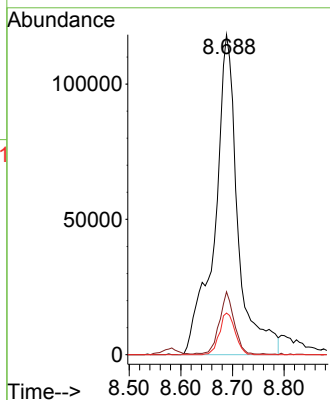


#43
Isopropyl Acetate
Concen: 38.724 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

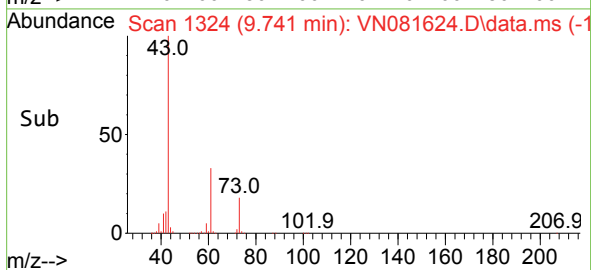
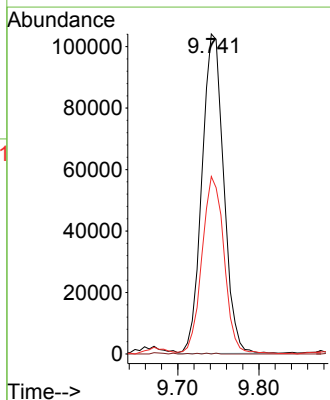
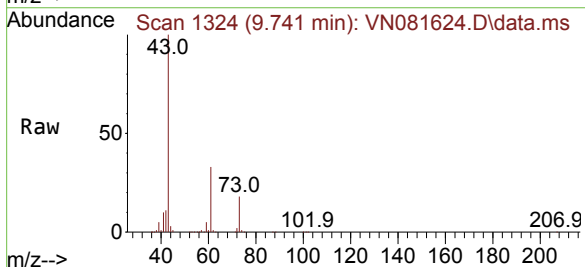


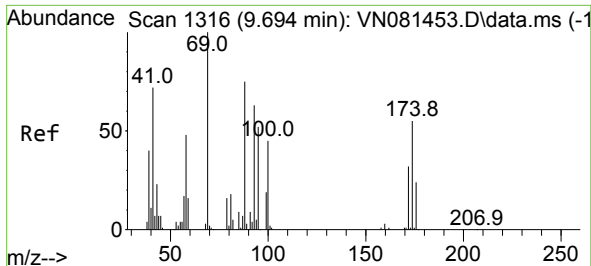
Tgt Ion: 43 Resp: 367065
Ion Ratio Lower Upper
43 100
61 12.4 19.9 29.9#
87 8.8 9.0 13.6#



#48
Methyl methacrylate
Concen: 44.237 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 41 Resp: 193410
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 56.8 47.6 71.4





#49

1,4-Dioxane

Concen: 0.523 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#02

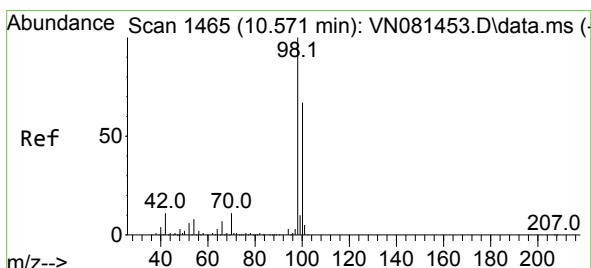
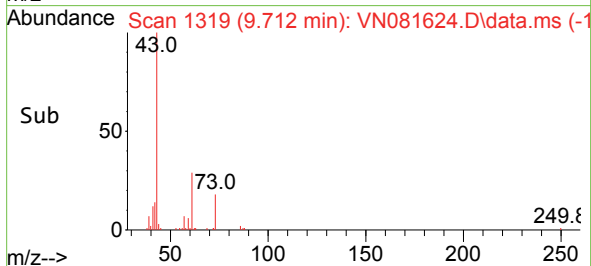
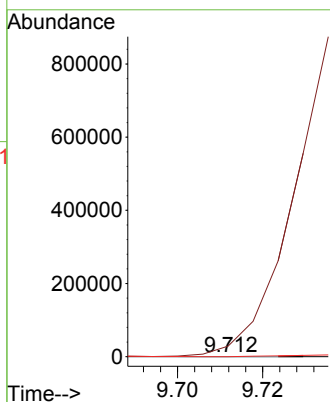
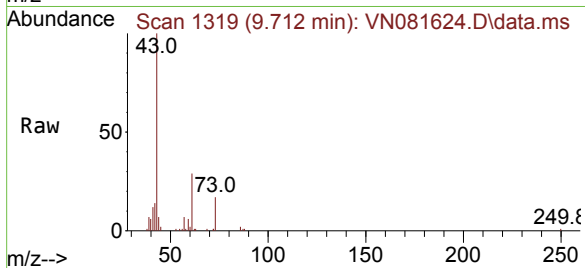
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 54.445 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081624.D

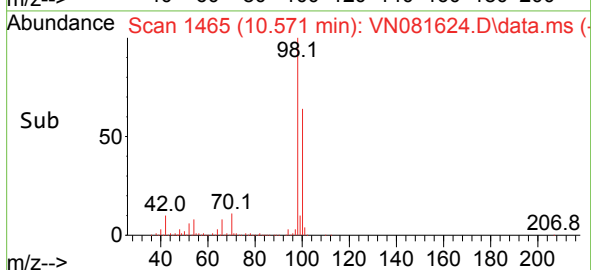
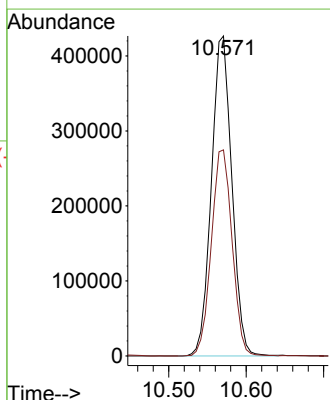
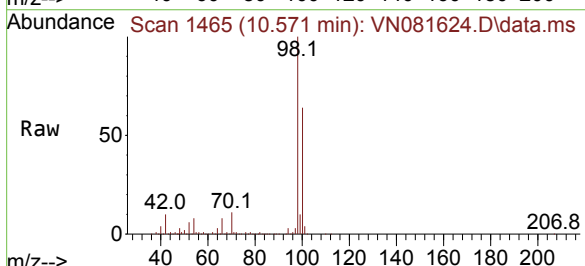
Acq: 29 Mar 2024 18:41

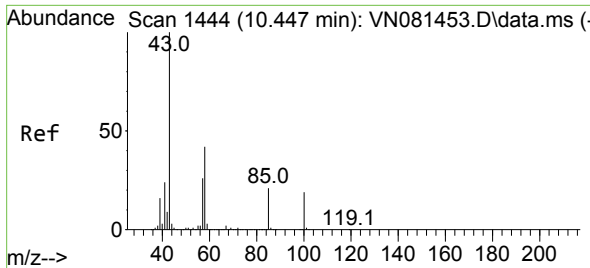
Tgt Ion: 98 Resp: 781015

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0

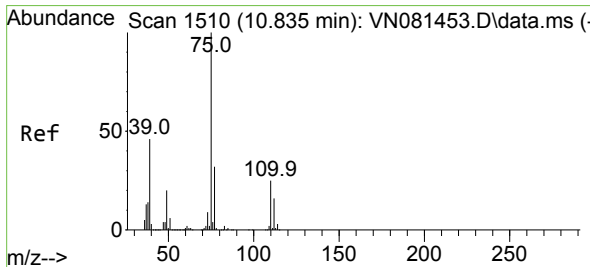
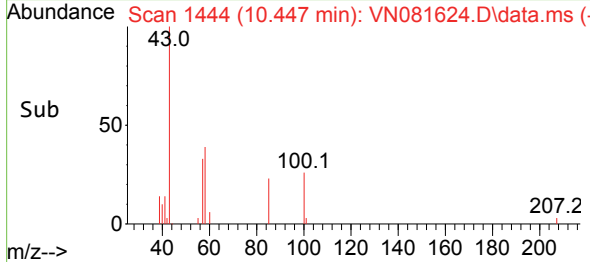
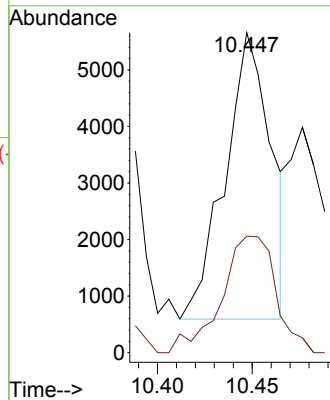
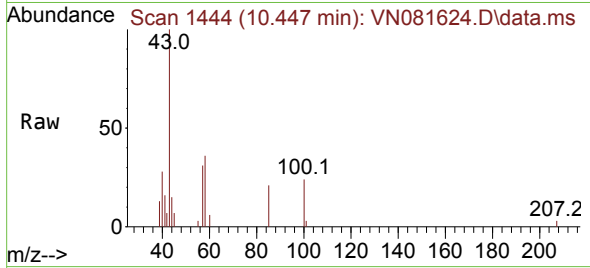




#51
4-Methyl-2-Pentanone
Concen: 1.474 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

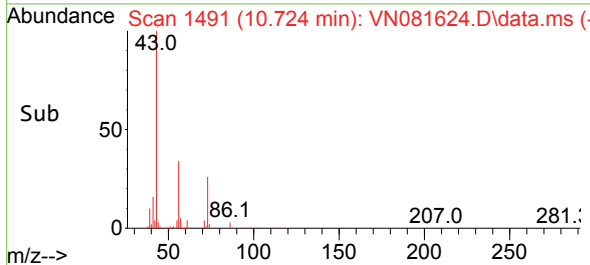
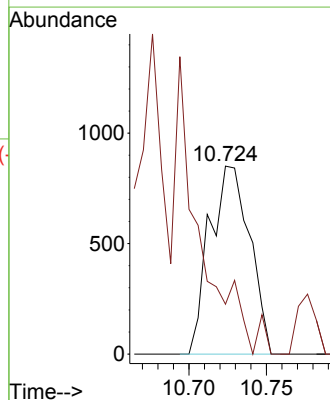
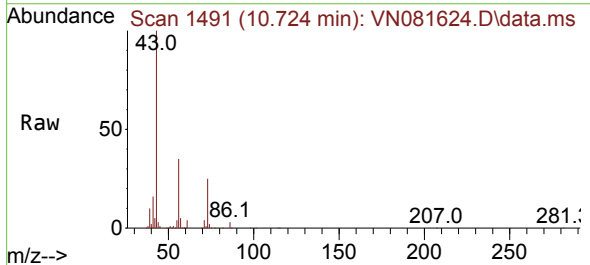
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

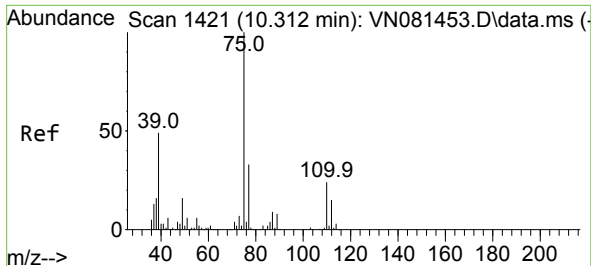
Tgt Ion: 43 Resp: 8526
Ion Ratio Lower Upper
43 100
58 48.0 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.202 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 75 Resp: 1534
Ion Ratio Lower Upper
75 100
77 26.6 25.5 38.3

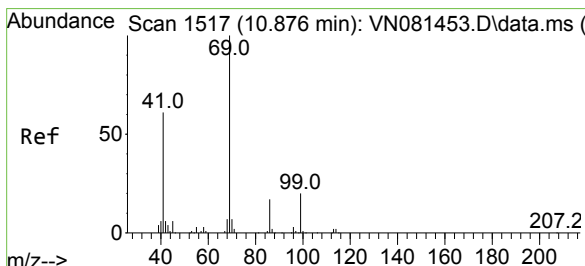
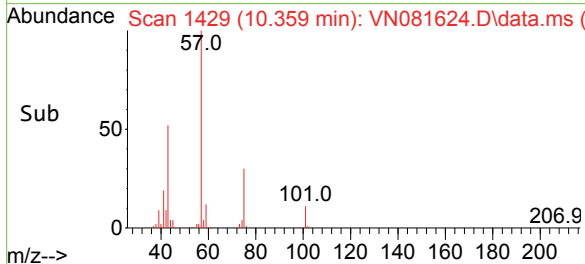
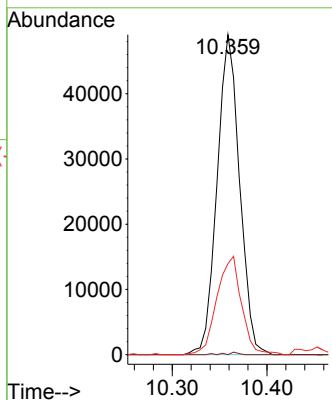
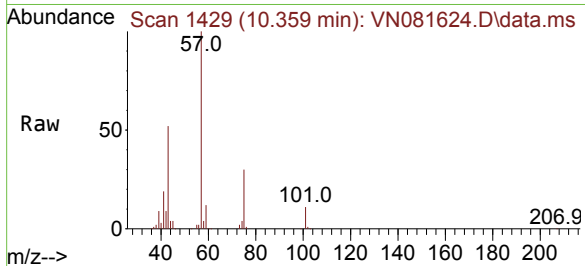




#54
cis-1,3-Dichloropropene
Concen: 9.958 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

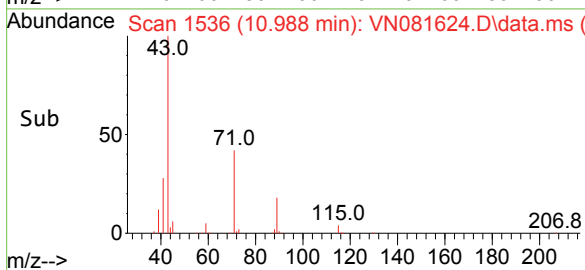
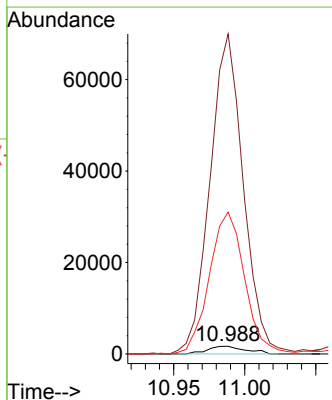
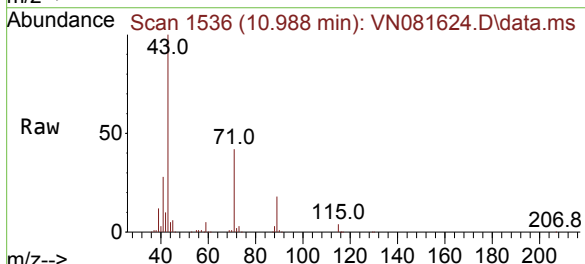
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#02

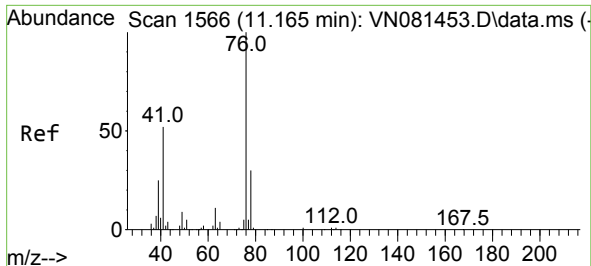
Tgt Ion: 75 Resp: 80997
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 28.4 44.6 66.8#



#56
Ethyl methacrylate
Concen: 1.037 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081624.D
Acq: 29 Mar 2024 18:41

Tgt Ion: 69 Resp: 3158
Ion Ratio Lower Upper
69 100
41 3623.1 61.0 91.6#
39 1697.8 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.352 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN081624.D

Acq: 29 Mar 2024 18:41

Instrument :

MSVOA_N

ClientSampleId :

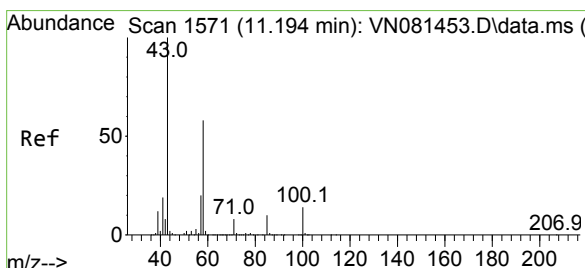
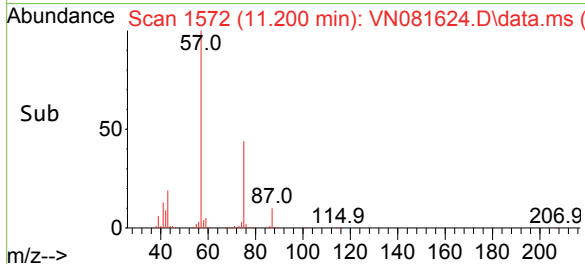
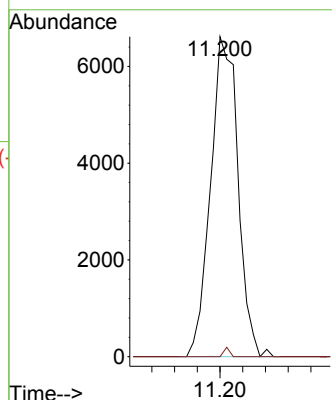
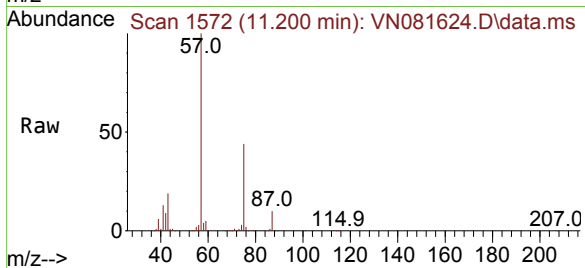
PB159859ZHE#02

Tgt Ion: 76 Resp: 11072

Ion Ratio Lower Upper

76 100

78 0.6 25.5 38.3#



#59

2-Hexanone

Concen: 38.959 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081624.D

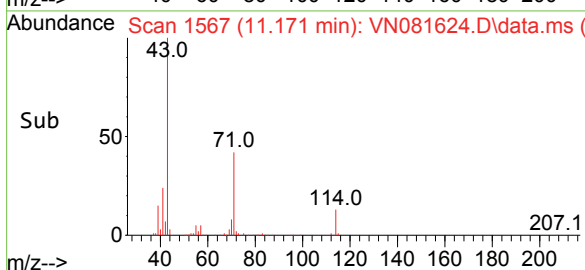
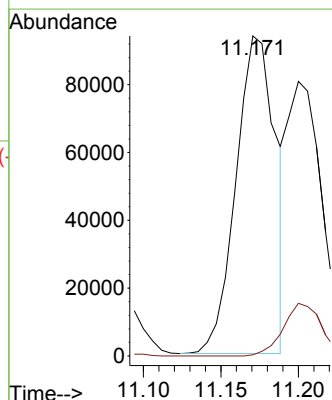
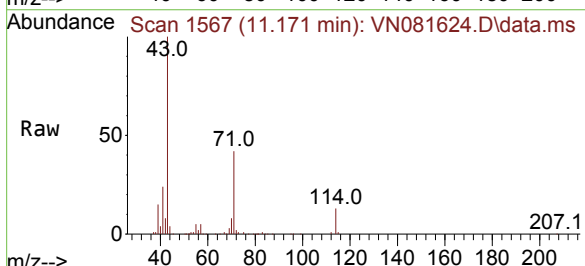
Acq: 29 Mar 2024 18:41

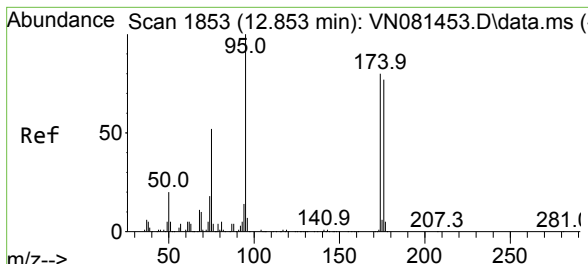
Tgt Ion: 43 Resp: 166603

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

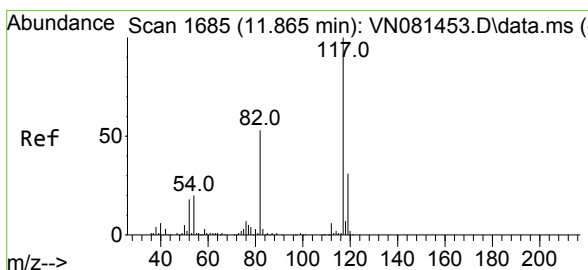
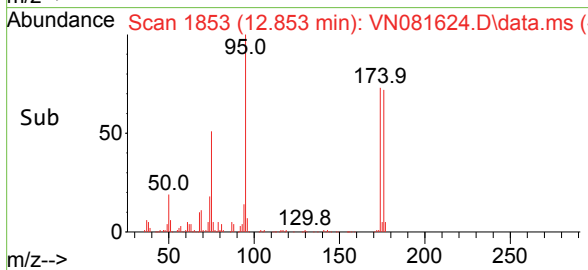
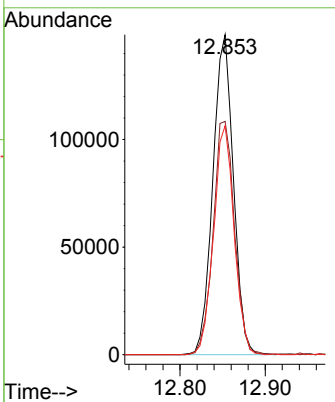
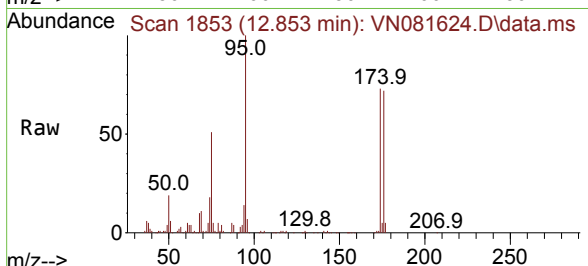




#62
 4-Bromofluorobenzene
 Concen: 49.321 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

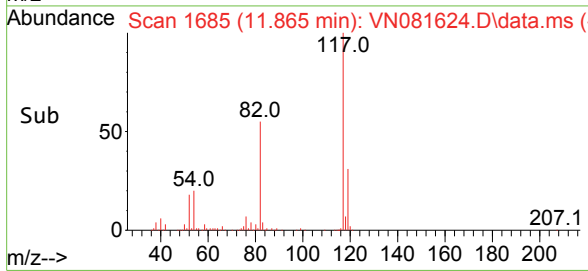
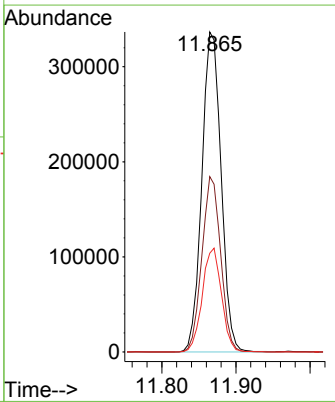
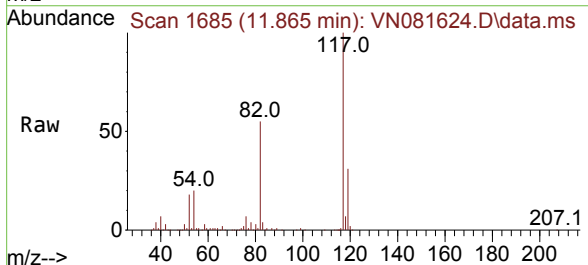
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#02

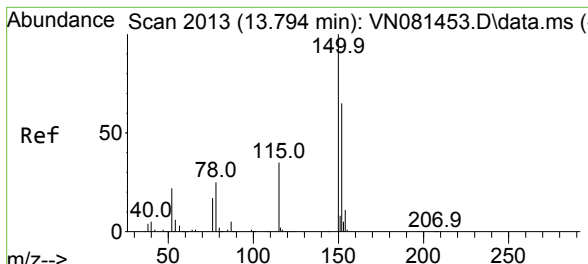
Tgt Ion:	95	Resp:	249297
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	120.4
176	71.3	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

Tgt Ion:	117	Resp:	606737
Ion	Ratio	Lower	Upper
117	100		
82	54.8	52.7	79.1
119	30.9	25.3	37.9

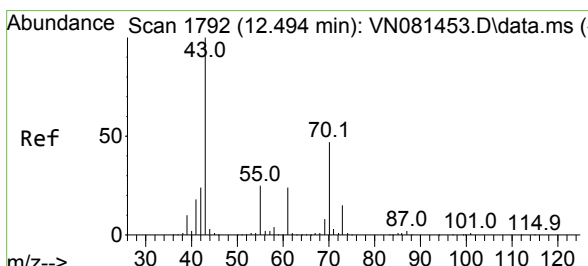
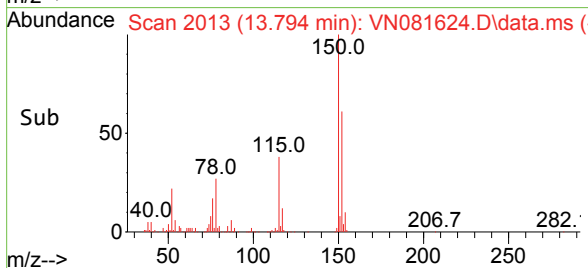
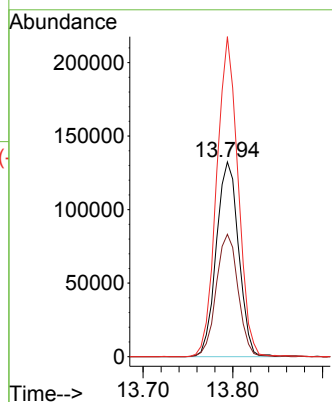
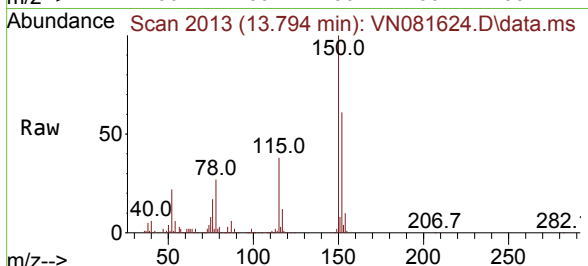




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

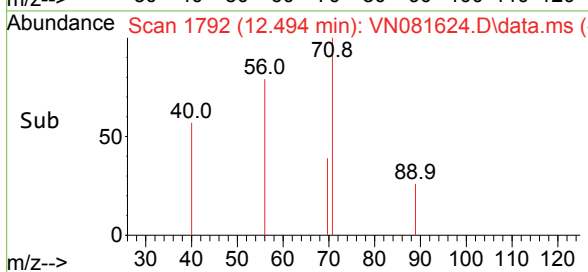
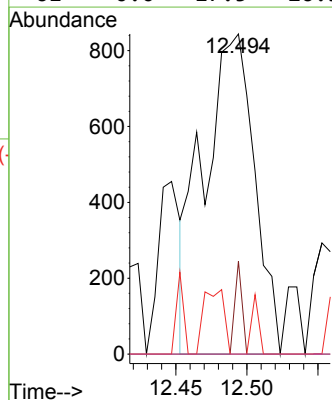
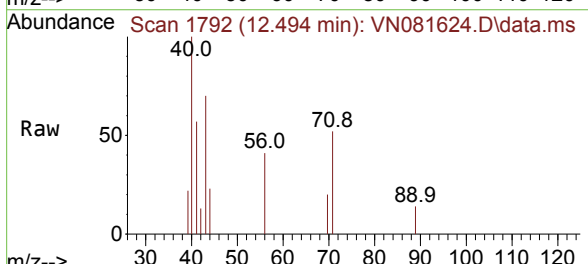
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#02

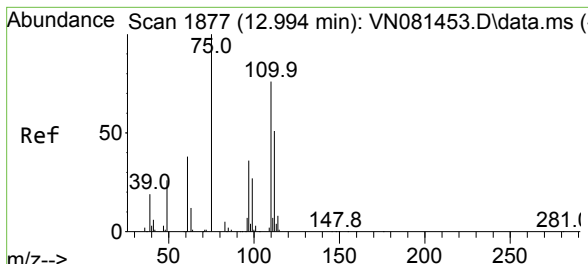
Tgt Ion:152 Resp: 228660
 Ion Ratio Lower Upper
 152 100
 115 61.8 32.3 96.8
 150 158.0 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.299 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

Tgt Ion: 43 Resp: 2112
 Ion Ratio Lower Upper
 43 100
 70 4.1 30.1 45.1#
 55 8.1 17.0 25.4#
 61 0.0 17.5 26.3#

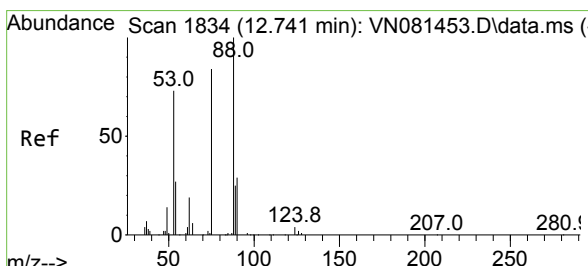
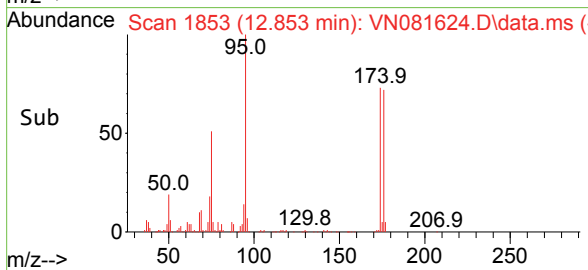
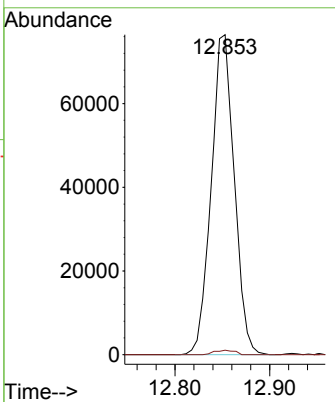
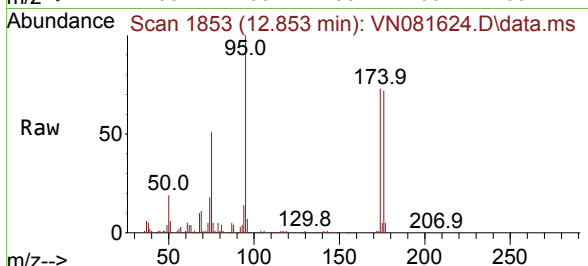




#76
 1,2,3-Trichloropropane
 Concen: 23.615 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#02

Tgt Ion: 75 Resp: 129166
 Ion Ratio Lower Upper
 75 100
 77 1.2 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.815 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081624.D
 Acq: 29 Mar 2024 18:41

Tgt Ion: 75 Resp: 129166
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

