

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081324.D
 Acq On : 06 Mar 2024 14:14
 Operator : JC\MD
 Sample : PB159453ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#05

Quant Time: Mar 07 00:26:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

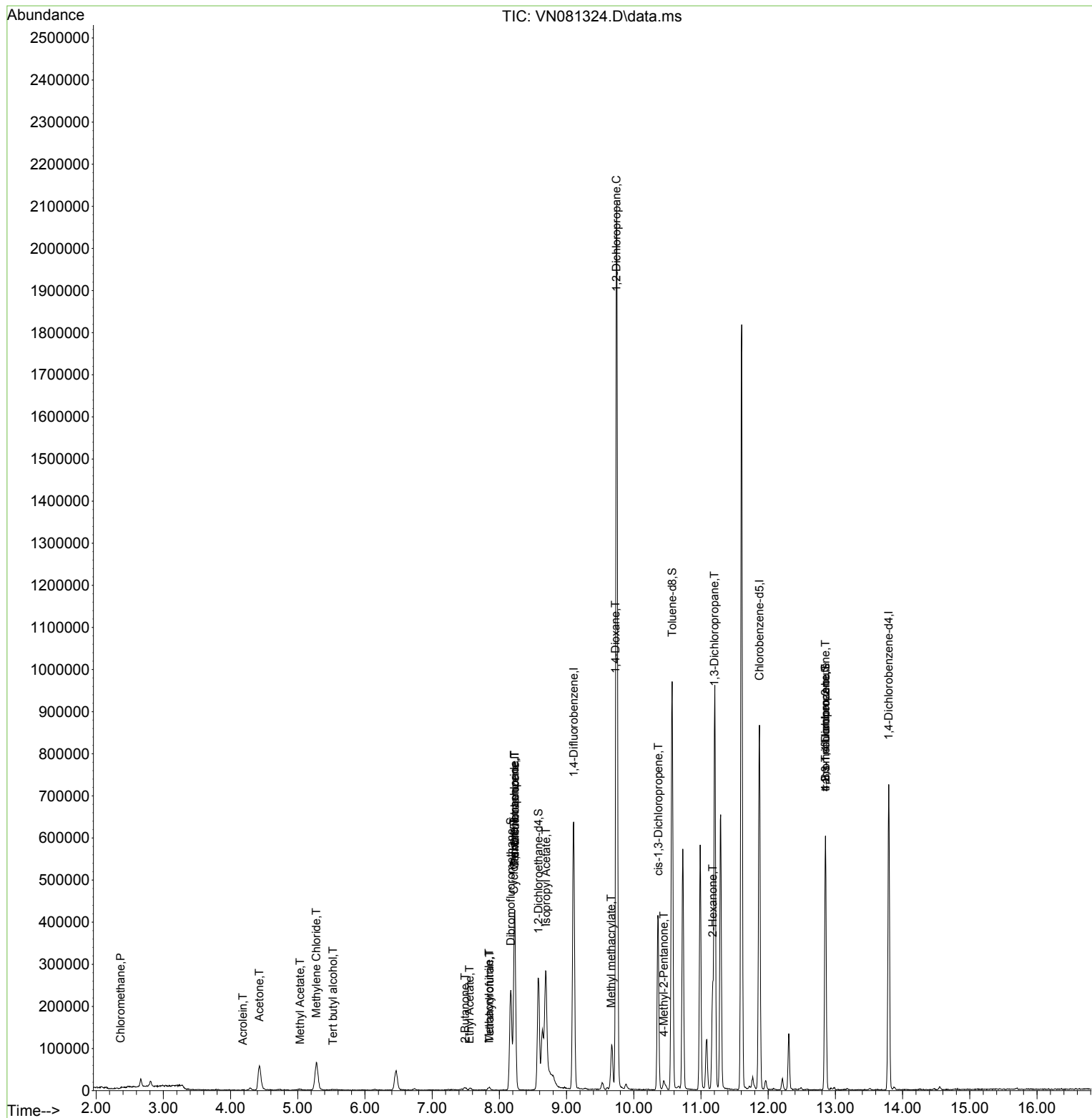
Internal Standards						
1) Pentafluorobenzene	8.230	168	289143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	546549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	486318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219430	52.487	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.980%			
35) Dibromofluoromethane	8.171	113	171182	51.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	10.571	98	657089	52.493	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.853	95	204513	46.226	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 92.460%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	927	0.224	ug/l #	43
11) Tert butyl alcohol	5.524	59	1341	1.834	ug/l #	83
13) Acrolein	4.183	56	515	0.595	ug/l #	71
16) Acetone	4.430	43	111182	75.060	ug/l	97
18) Methyl Acetate	5.036	43	4382	1.033	ug/l	97
20) Methylene Chloride	5.277	84	52174	13.672	ug/l	91
25) 2-Butanone	7.488	43	9658	3.893	ug/l #	88
29) Tetrahydrofuran	7.853	42	4853	2.869	ug/l #	83
31) Cyclohexane	8.218	56	8843	1.397	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	27508	5.092	ug/l #	51
37) Ethyl Acetate	7.559	43	6816	1.291	ug/l #	91
38) Carbon Tetrachloride	8.224	117	32213	5.925	ug/l #	17
41) Methacrylonitrile	7.847	41	3317	1.112	ug/l #	32
43) Isopropyl Acetate	8.694	43	311244	33.674	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	2607	0.644	ug/l #	42
48) Methyl methacrylate	9.665	41	6422	1.572	ug/l #	15
49) 1,4-Dioxane	9.729	88	97	1.077	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	21224	3.955	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	76124	11.758	ug/l #	62
57) 1,3-Dichloropropane	11.200	76	9743	1.445	ug/l #	44
59) 2-Hexanone	11.176	43	202889	50.567	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	110411	25.831	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110411	72.090	ug/l #	14

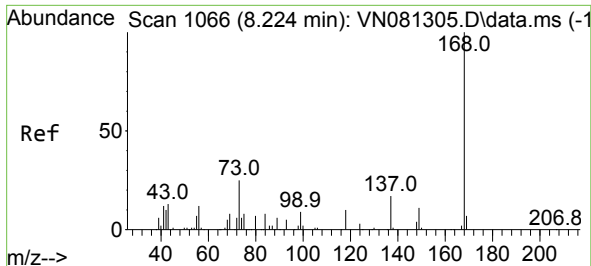
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 07 00:26:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

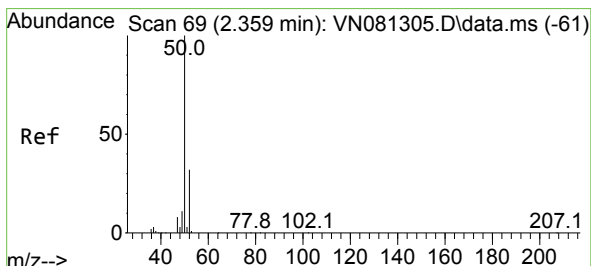
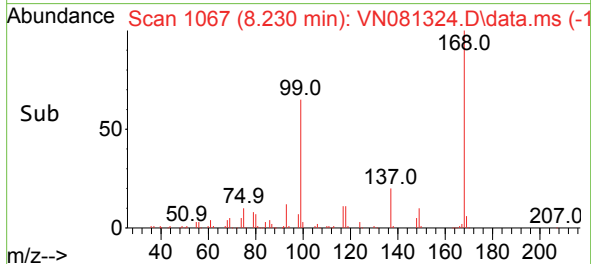
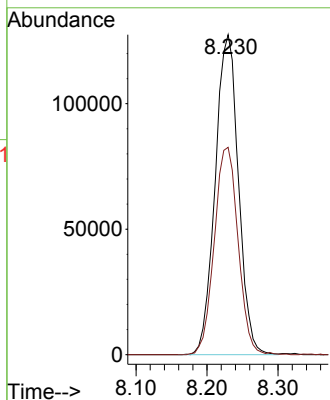
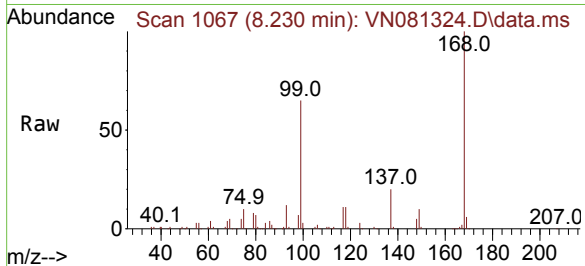




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

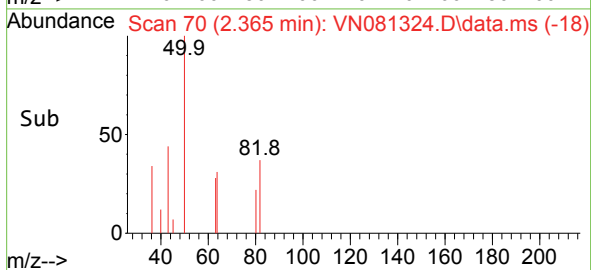
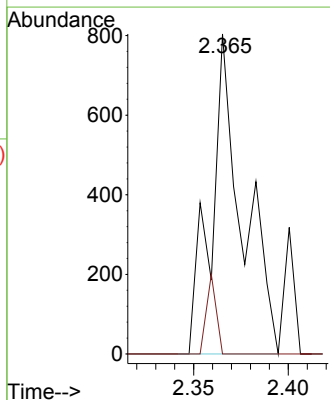
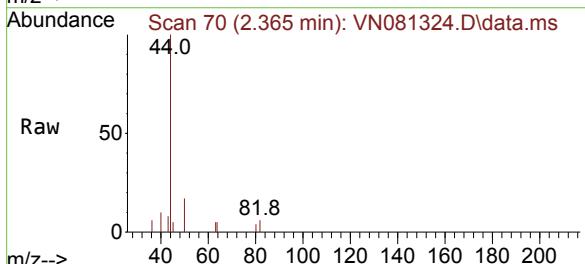
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

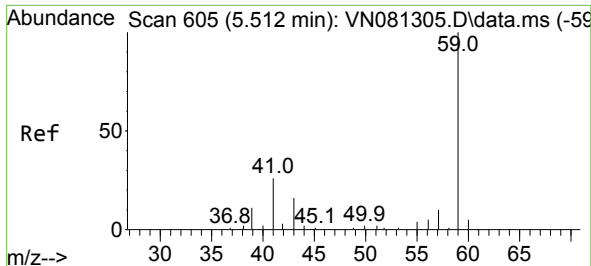
Tgt Ion:168 Resp: 289143
Ion Ratio Lower Upper
168 100
99 64.8 59.9 89.9



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 50 Resp: 927
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

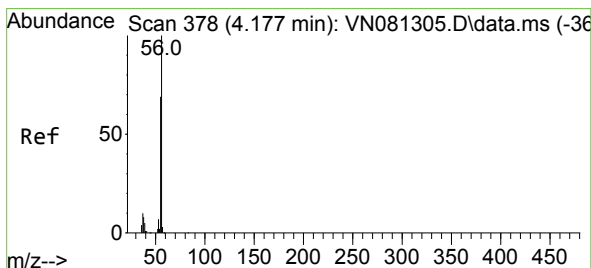
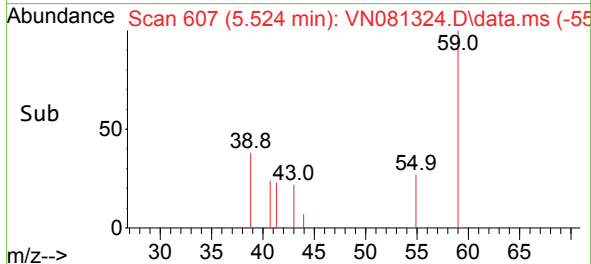
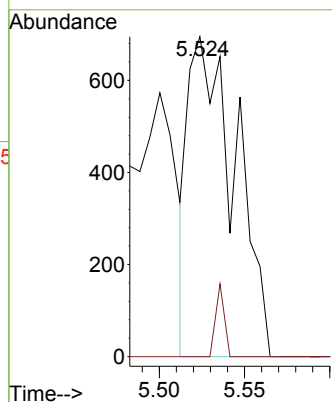
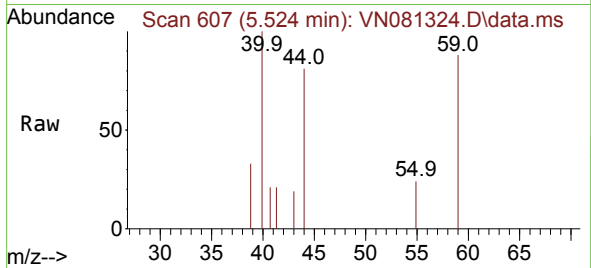




#11
Tert butyl alcohol
Concen: 1.834 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

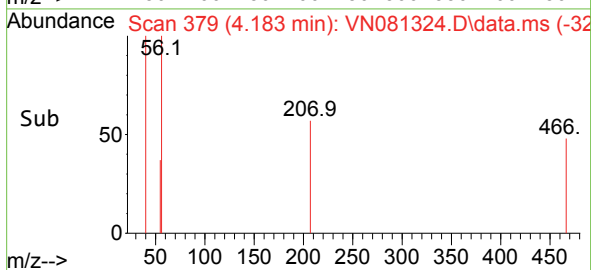
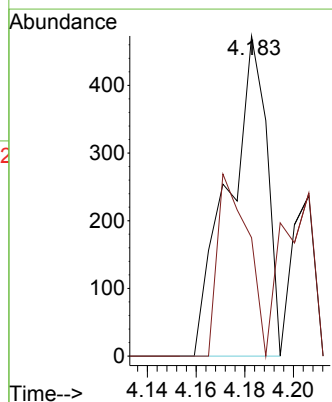
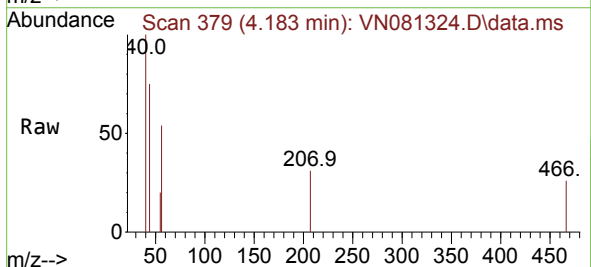
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

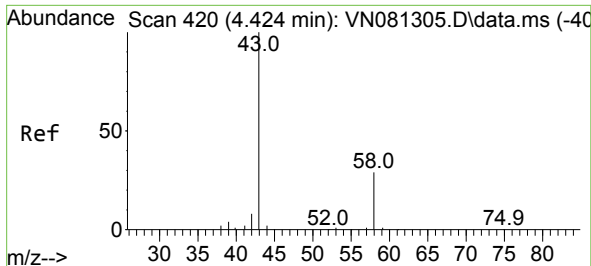
Tgt Ion: 59 Resp: 1341
Ion Ratio Lower Upper
59 100
57 4.2 8.6 12.8#



#13
Acrolein
Concen: 0.595 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 56 Resp: 515
Ion Ratio Lower Upper
56 100
55 45.2 55.3 82.9#

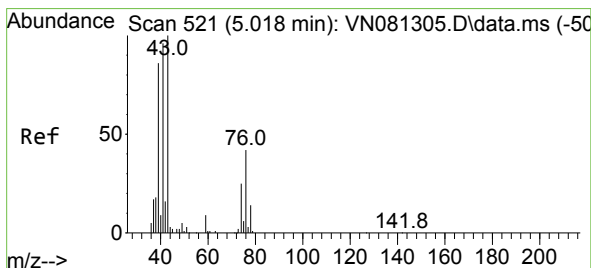
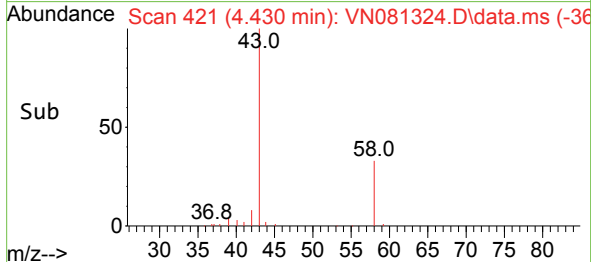
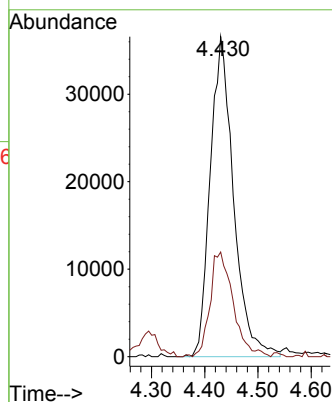
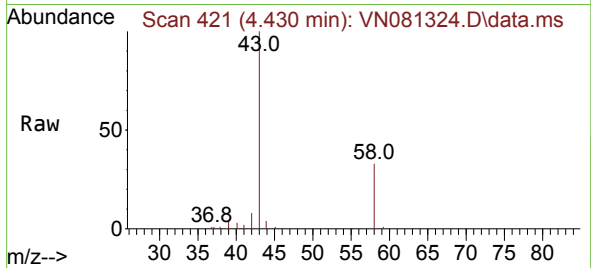




#16
Acetone
Concen: 75.060 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

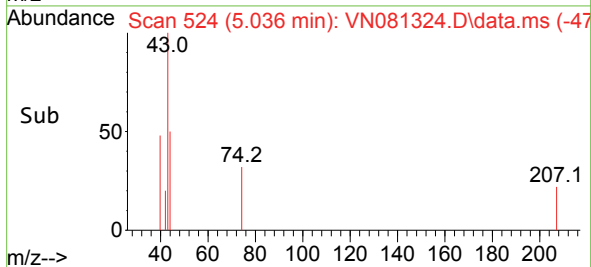
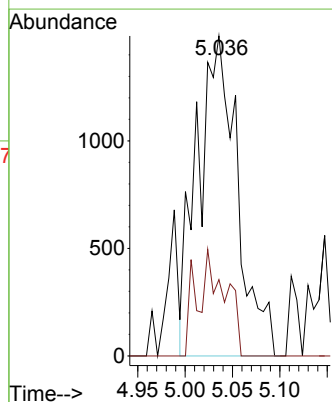
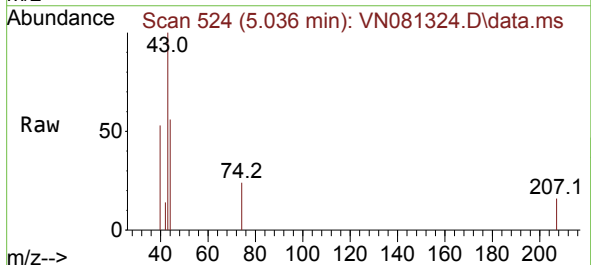
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

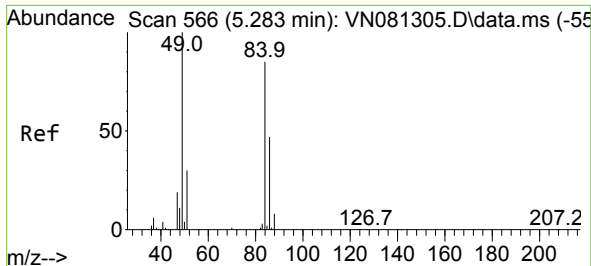
Tgt Ion: 43 Resp: 111182
Ion Ratio Lower Upper
43 100
58 32.7 24.8 37.2



#18
Methyl Acetate
Concen: 1.033 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
74 23.3 17.3 25.9

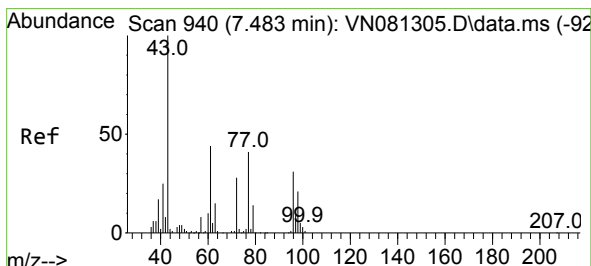
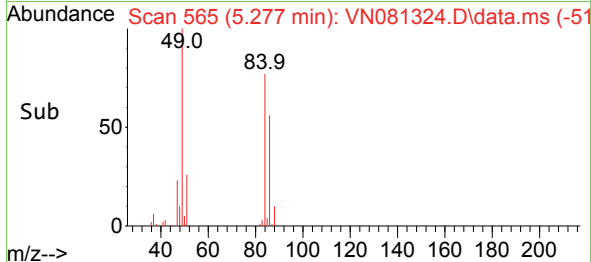
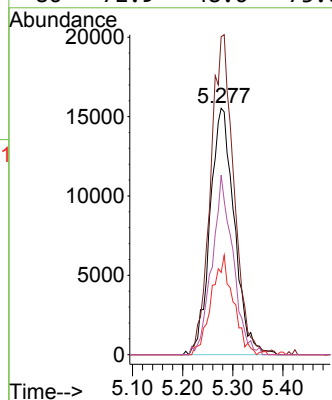
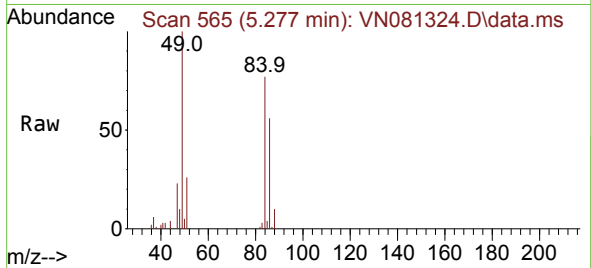




#20
Methylene Chloride
Concen: 13.672 ug/l
RT: 5.277 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

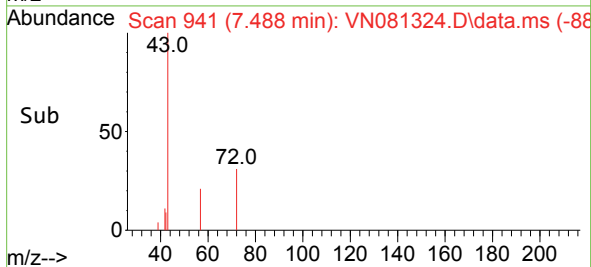
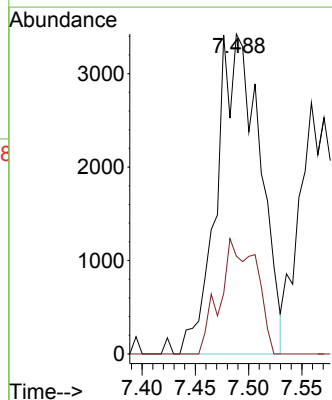
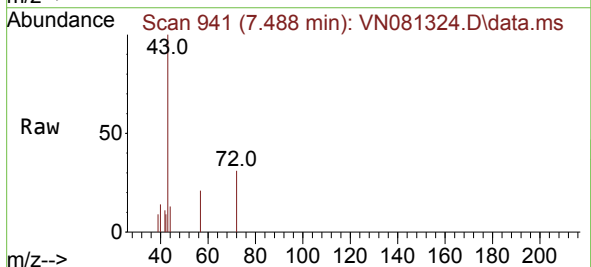
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

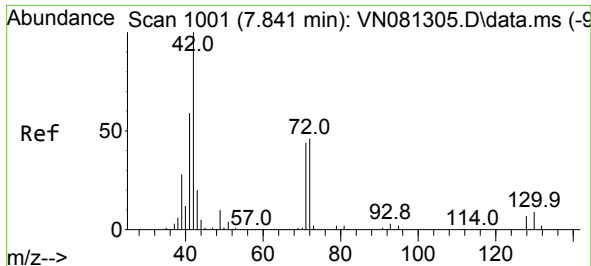
Tgt Ion:	84	Resp:	52174
Ion	Ratio	Lower	Upper
84	100		
49	129.1	108.1	162.1
51	33.4	32.9	49.3
86	72.9	48.6	73.0



#25
2-Butanone
Concen: 3.893 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion:	43	Resp:	9658
Ion	Ratio	Lower	Upper
43	100		
72	30.6	19.5	29.3#





#29

Tetrahydrofuran

Concen: 2.869 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN081324.D

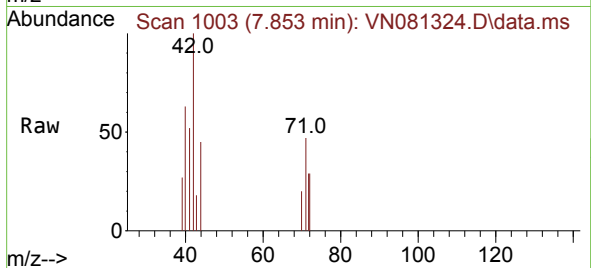
Acq: 06 Mar 2024 14:14

Instrument :

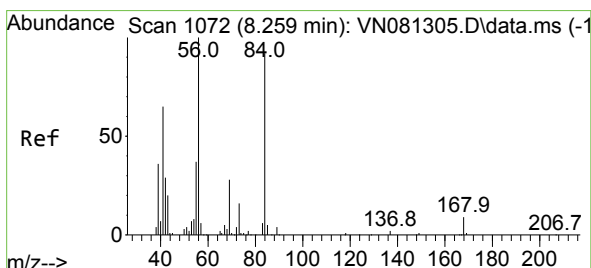
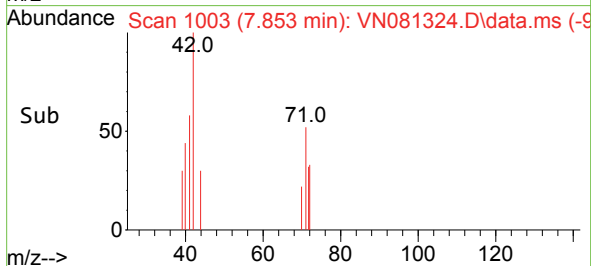
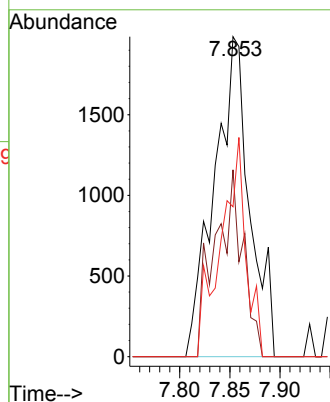
MSVOA_N

ClientSampleId :

PB159453ZHE#05



Tgt Ion:	42	Resp:	4853
Ion	Ratio	Lower	Upper
42	100		
72	46.1	31.1	46.7
71	48.9	28.3	42.5#



#31

Cyclohexane

Concen: 1.397 ug/l

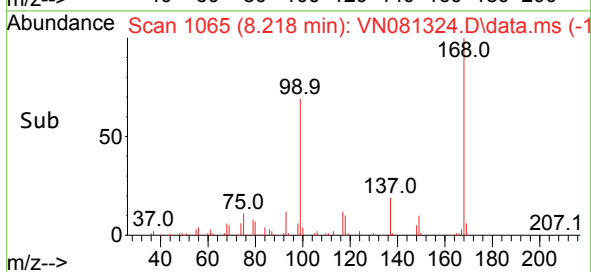
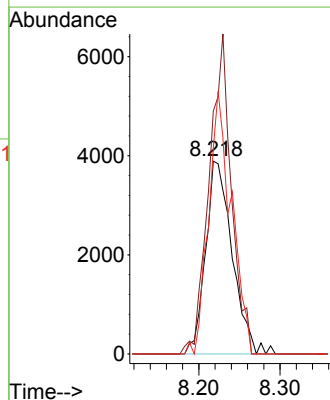
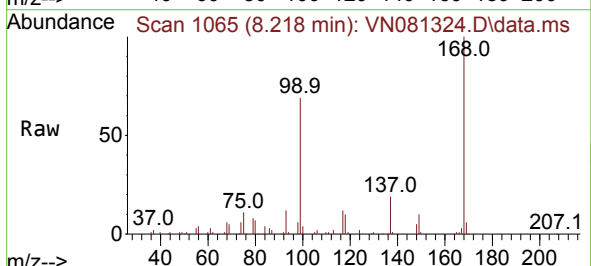
RT: 8.218 min Scan# 1065

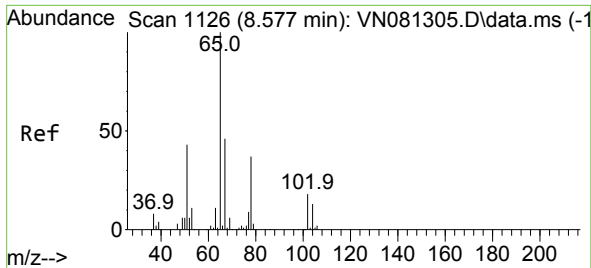
Delta R.T. -0.041 min

Lab File: VN081324.D

Acq: 06 Mar 2024 14:14

Tgt Ion:	56	Resp:	8843
Ion	Ratio	Lower	Upper
56	100		
69	126.1	20.1	30.1#
84	106.8	56.9	85.3#

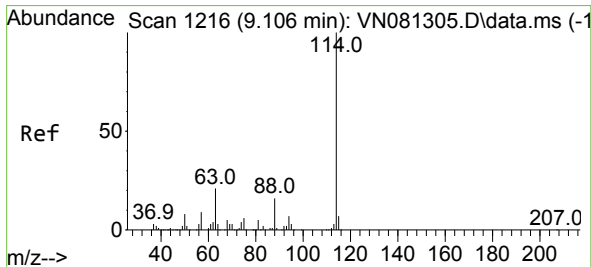
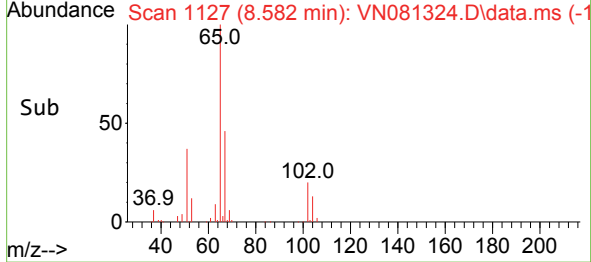
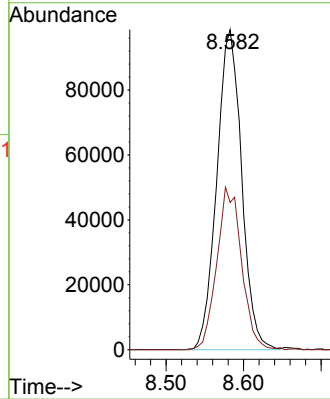
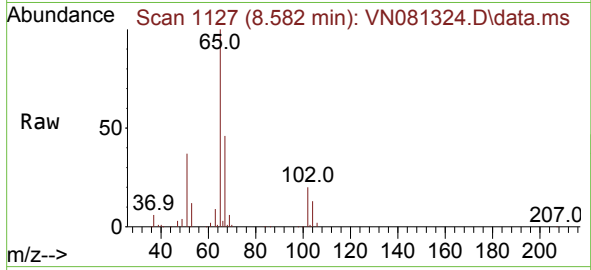




#33
1,2-Dichloroethane-d4
Concen: 52.487 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

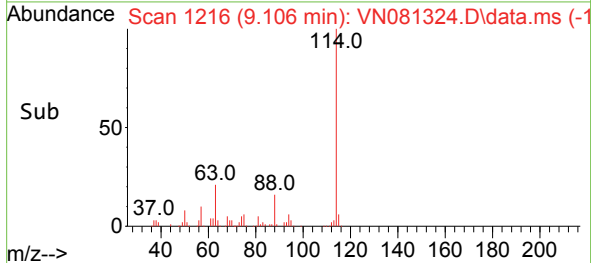
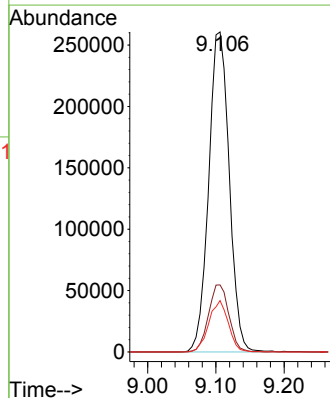
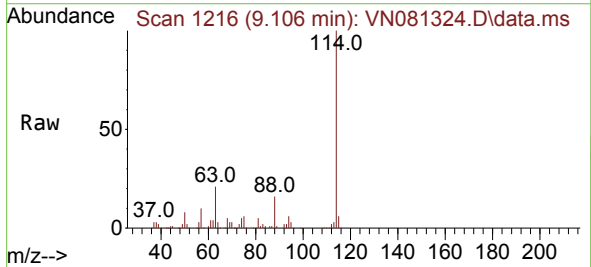
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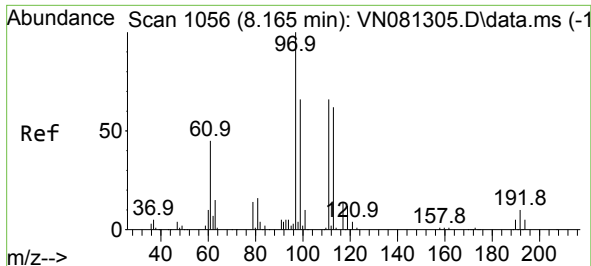
Tgt Ion: 65 Resp: 219430
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 114 Resp: 546549
Ion Ratio Lower Upper
114 100
63 20.9 0.0 48.0
88 16.1 0.0 34.8

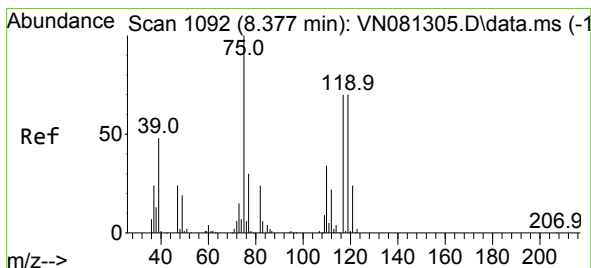
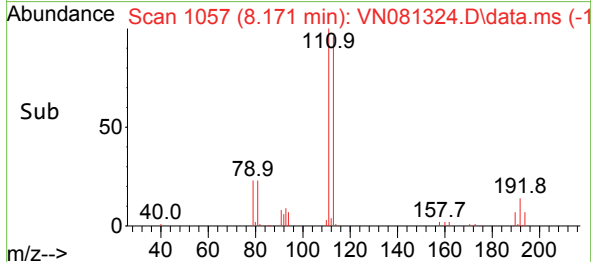
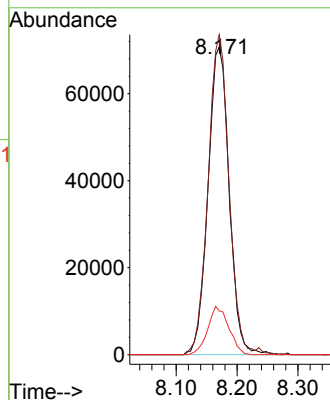
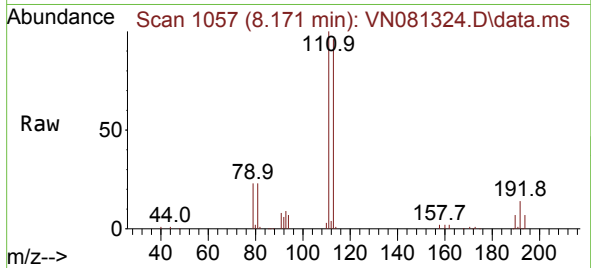




#35
Dibromofluoromethane
Concen: 51.122 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

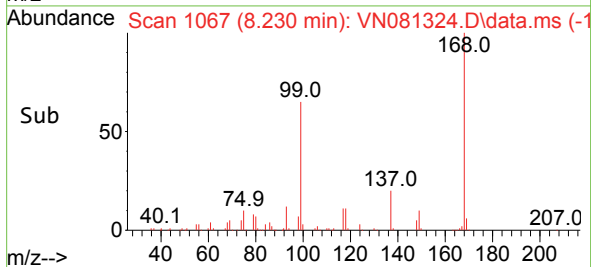
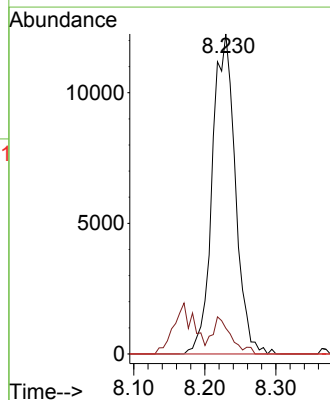
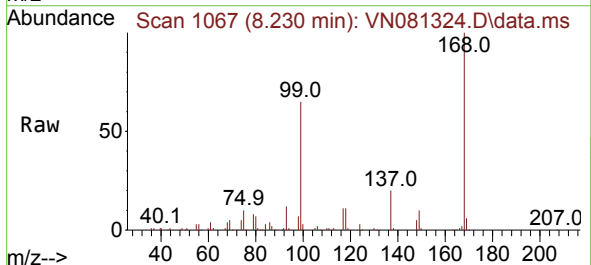
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

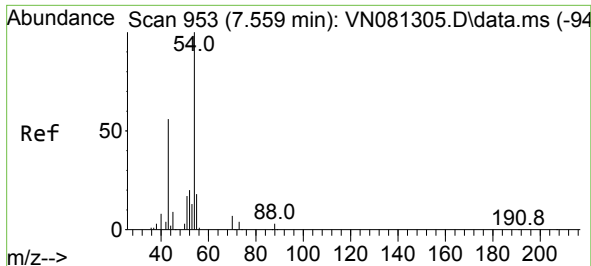
Tgt Ion:113 Resp: 171182
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 15.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.092 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 75 Resp: 27508
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#

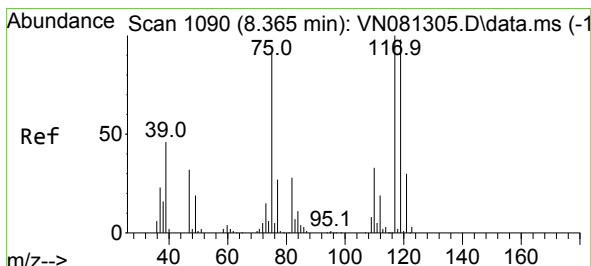
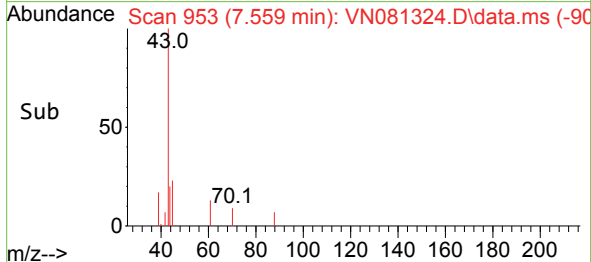
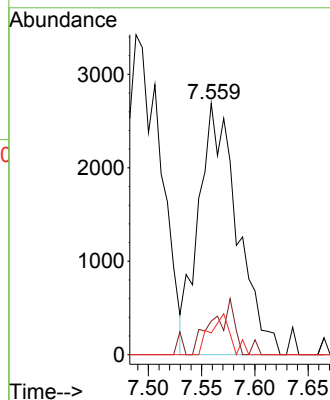
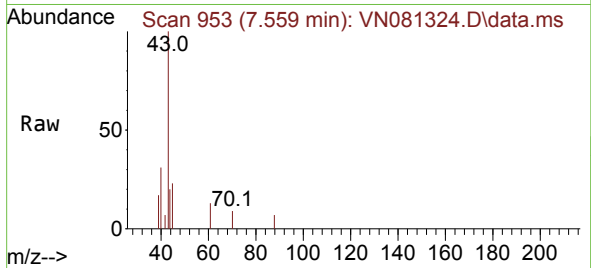




#37
Ethyl Acetate
Concen: 1.291 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

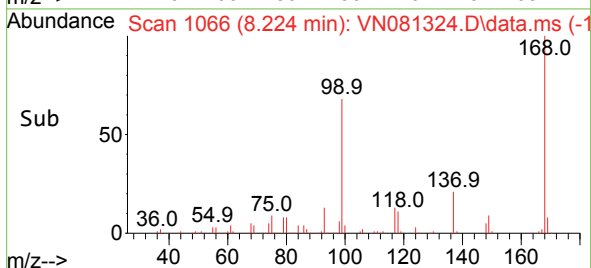
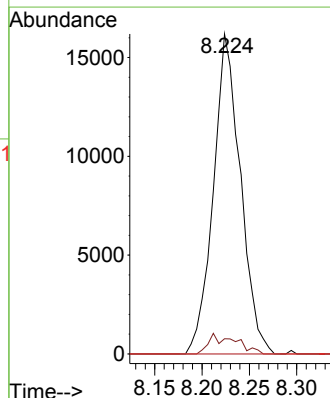
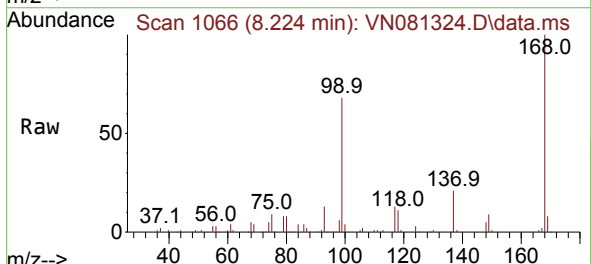
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

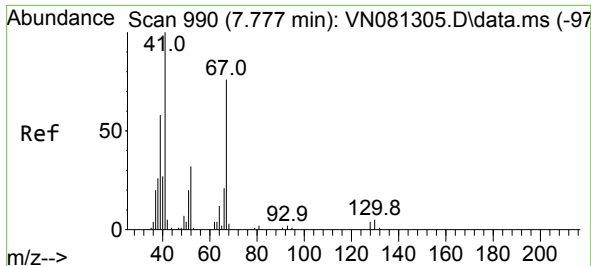
Tgt Ion: 43 Resp: 6816
Ion Ratio Lower Upper
43 100
61 8.0 10.6 15.8#
70 8.5 8.0 12.0



#38
Carbon Tetrachloride
Concen: 5.925 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 117 Resp: 32213
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#

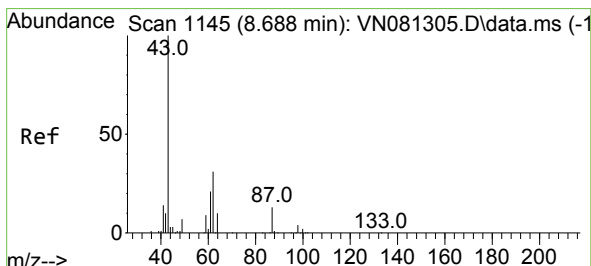
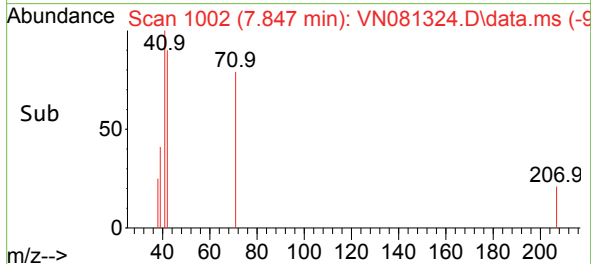
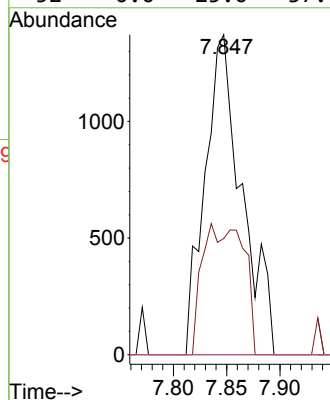
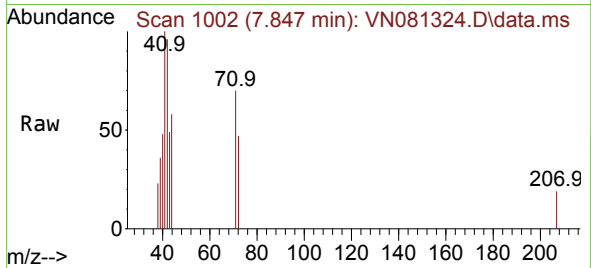




#41
Methacrylonitrile
Concen: 1.112 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

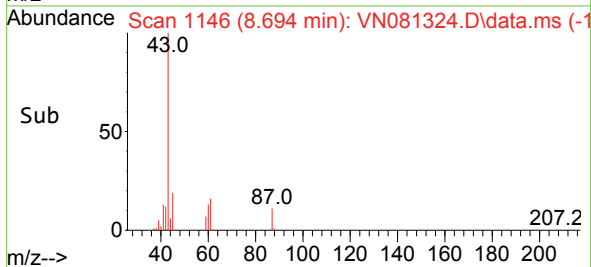
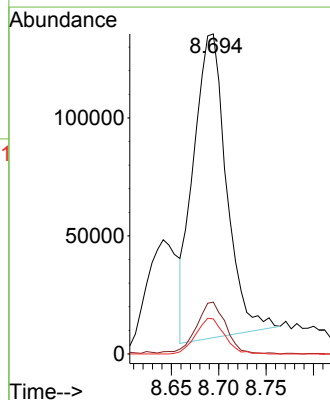
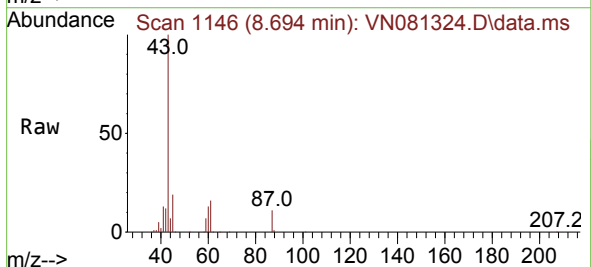
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

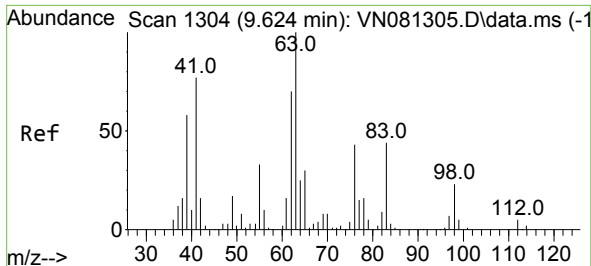
Tgt Ion:	41	Resp:	3317
Ion	Ratio	Lower	Upper
41	100		
39	19.7	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#43
Isopropyl Acetate
Concen: 33.674 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion:	43	Resp:	311244
Ion	Ratio	Lower	Upper
43	100		
61	15.5	19.9	29.9#
87	10.2	9.0	13.6

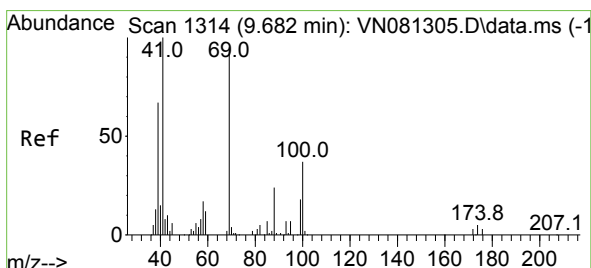
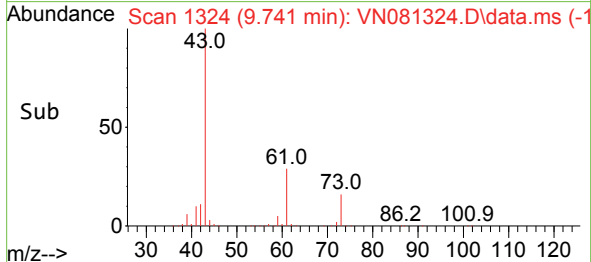
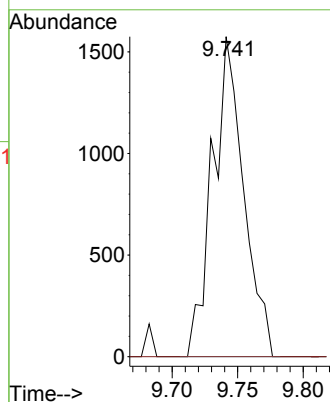
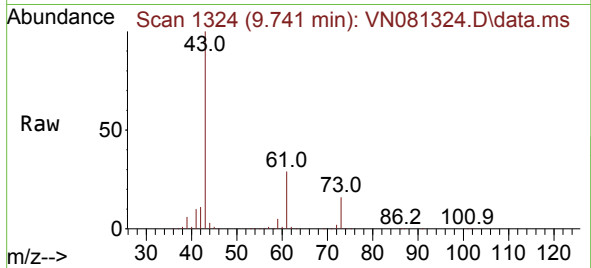




#45
1,2-Dichloropropane
Concen: 0.644 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

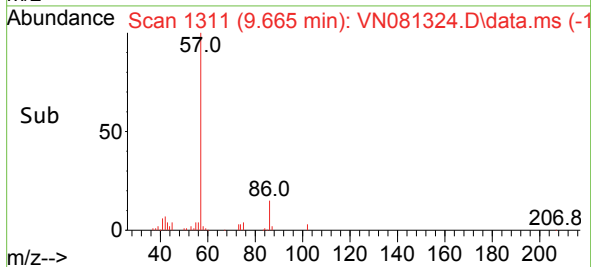
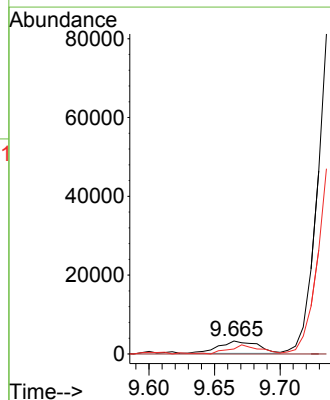
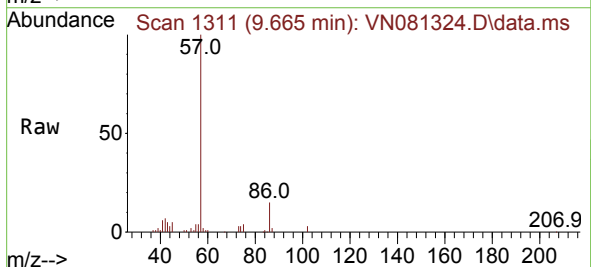
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

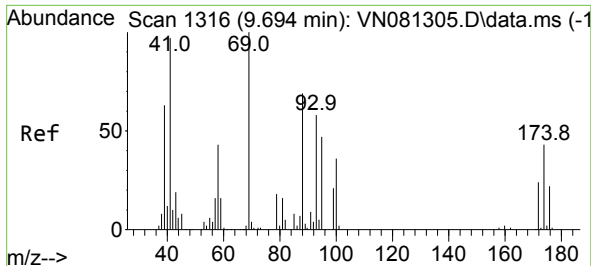
Tgt Ion: 63 Resp: 2607
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.572 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 41 Resp: 6422
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 0.0 47.6 71.4#





#49

1,4-Dioxane

Concen: 1.077 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.035 min

Lab File: VN081324.D

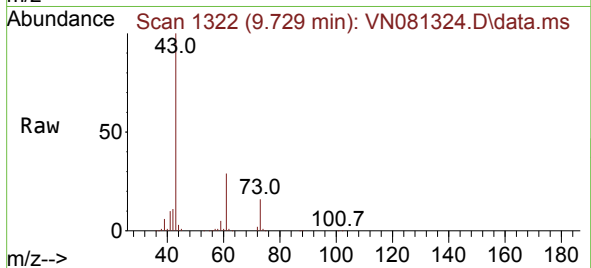
Acq: 06 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#05



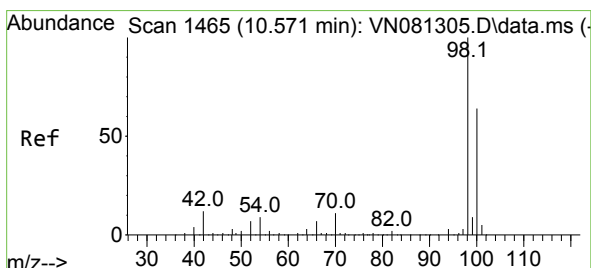
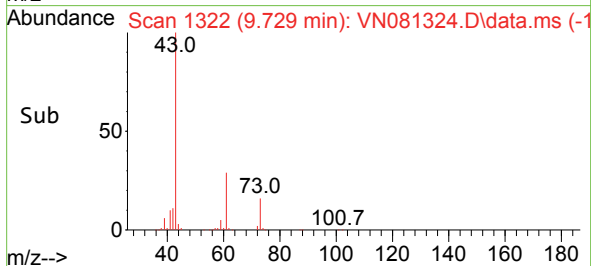
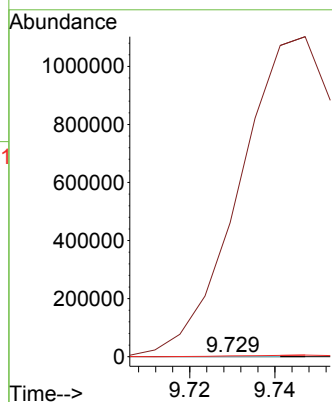
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 52.493 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081324.D

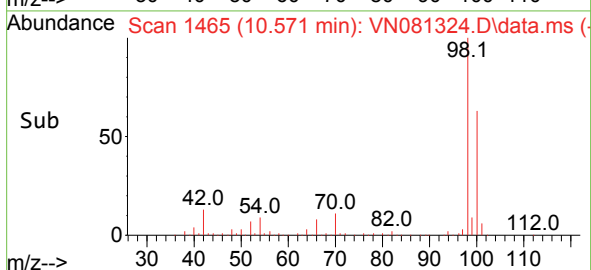
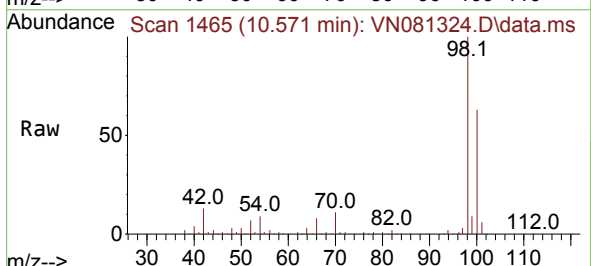
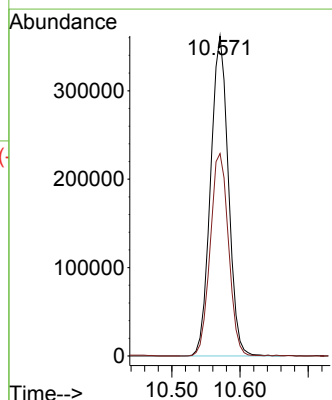
Acq: 06 Mar 2024 14:14

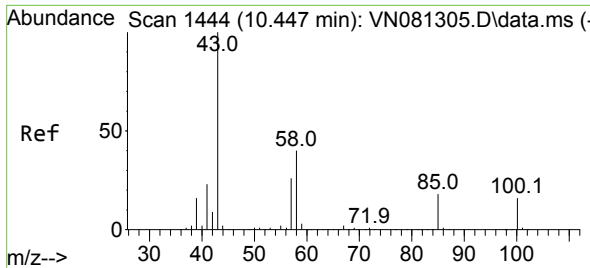
Tgt Ion: 98 Resp: 657089

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0

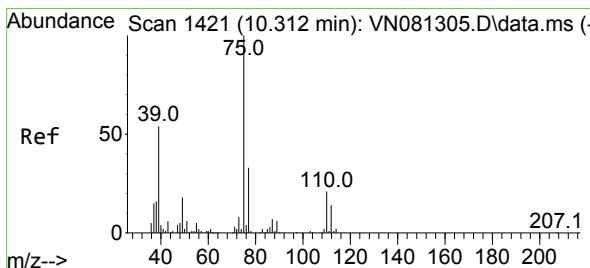
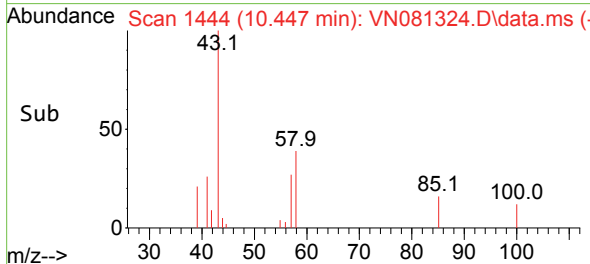
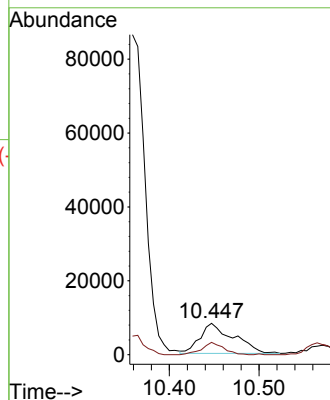
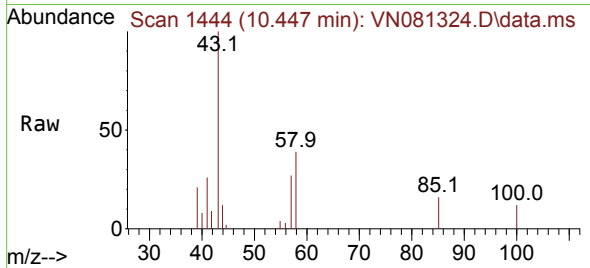




#51
4-Methyl-2-Pentanone
Concen: 3.955 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

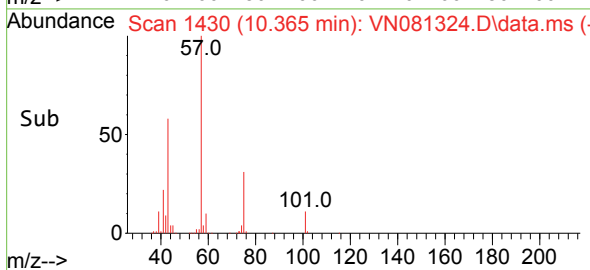
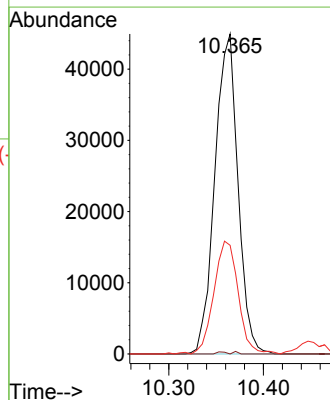
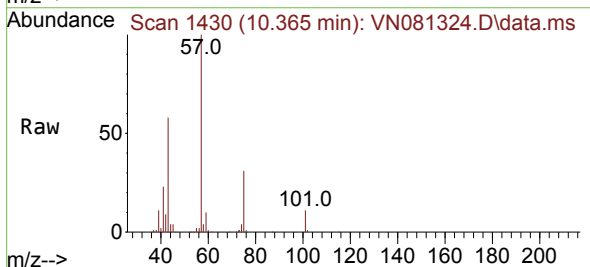
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

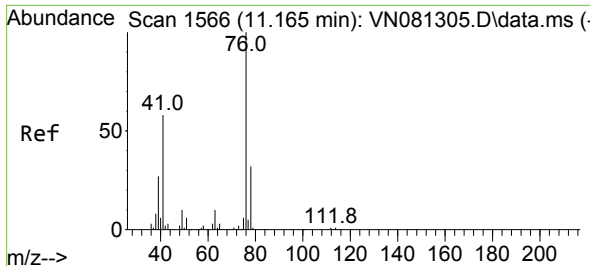
Tgt Ion: 43 Resp: 21224
Ion Ratio Lower Upper
43 100
58 26.2 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 11.758 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.053 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 75 Resp: 76124
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 33.9 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.445 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN081324.D

Acq: 06 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

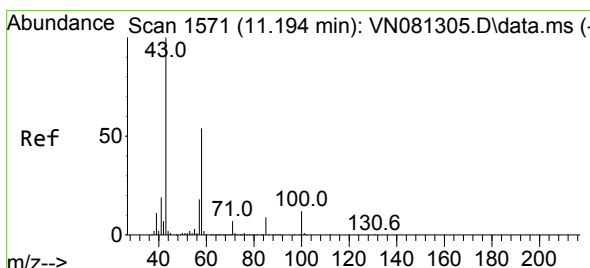
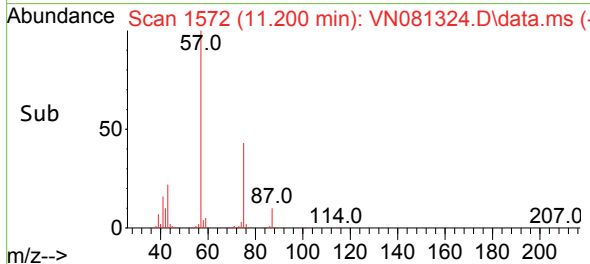
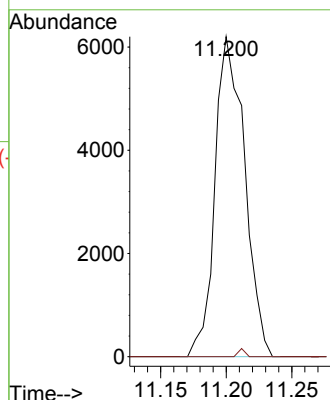
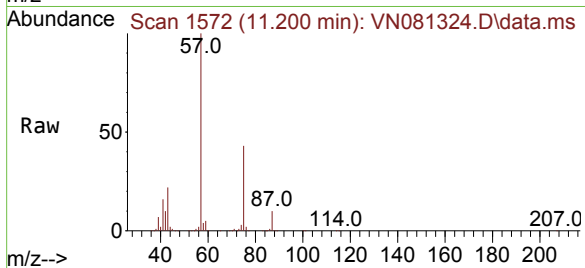
PB159453ZHE#05

Tgt Ion: 76 Resp: 9743

Ion Ratio Lower Upper

76 100

78 0.6 25.5 38.3#



#59

2-Hexanone

Concen: 50.567 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN081324.D

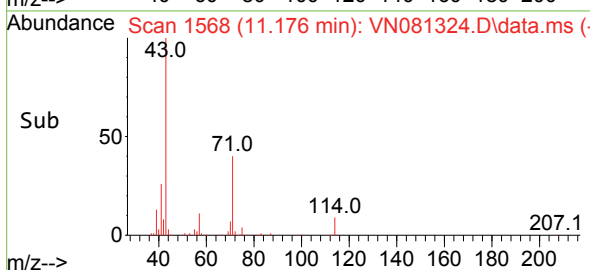
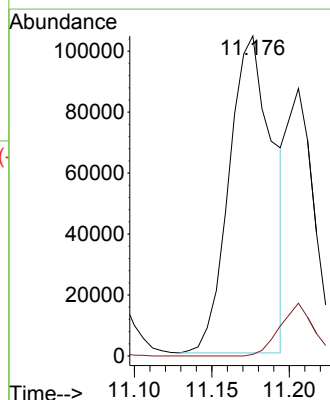
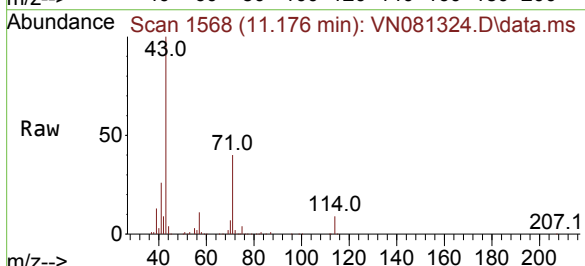
Acq: 06 Mar 2024 14:14

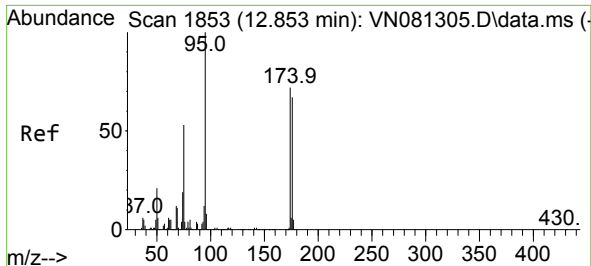
Tgt Ion: 43 Resp: 202889

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

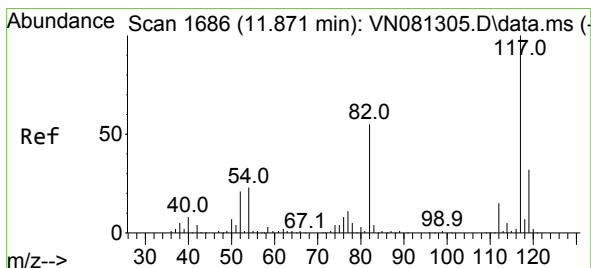
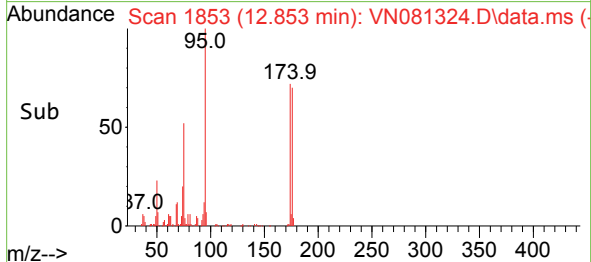
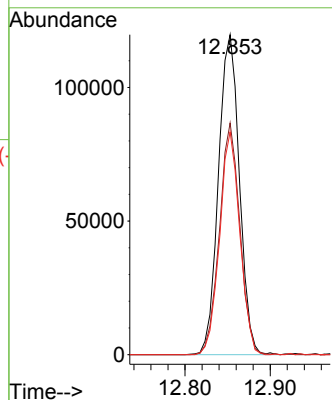
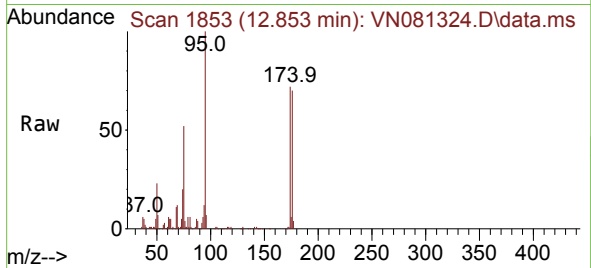




#62
4-Bromofluorobenzene
Concen: 46.226 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

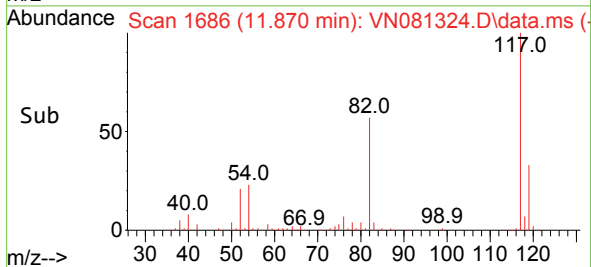
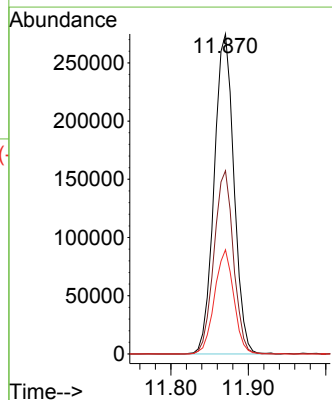
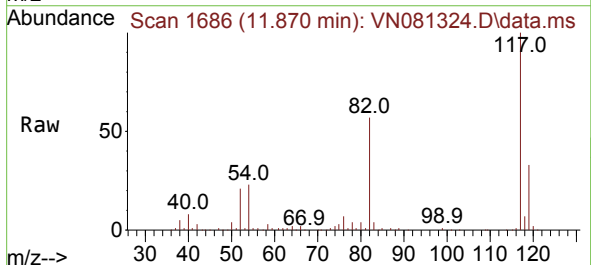
Instrument :
MSVOA_N
ClientSampleId :
PB159453ZHE#05

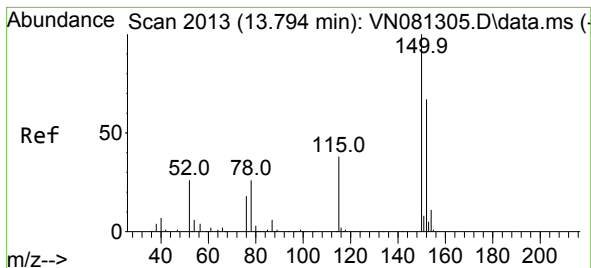
Tgt Ion: 95 Resp: 204513
Ion Ratio Lower Upper
95 100
174 70.8 0.0 120.4
176 67.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN081324.D
Acq: 06 Mar 2024 14:14

Tgt Ion: 117 Resp: 486318
Ion Ratio Lower Upper
117 100
82 57.3 52.7 79.1
119 32.6 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: VN081324.D

Acq: 06 Mar 2024 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB159453ZHE#05

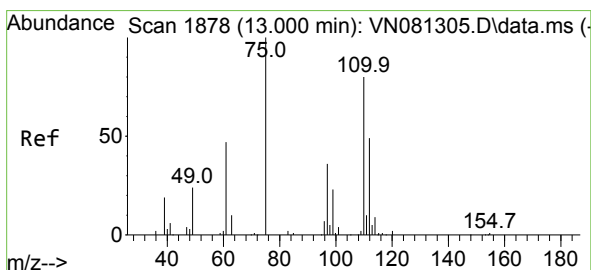
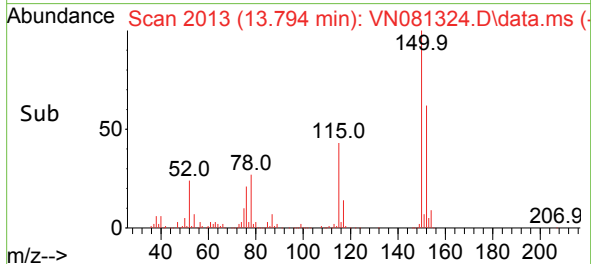
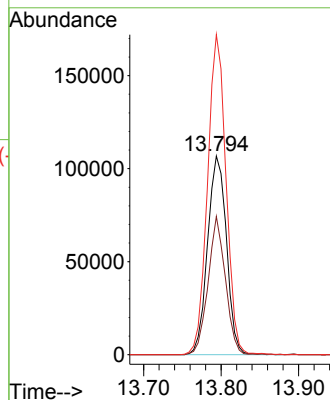
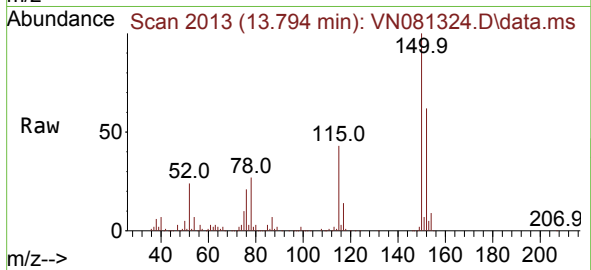
Tgt Ion:152 Resp: 180966

Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 157.6 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 25.831 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081324.D

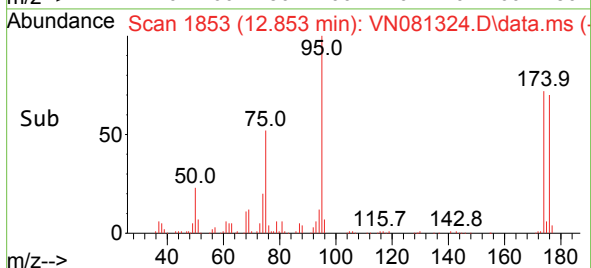
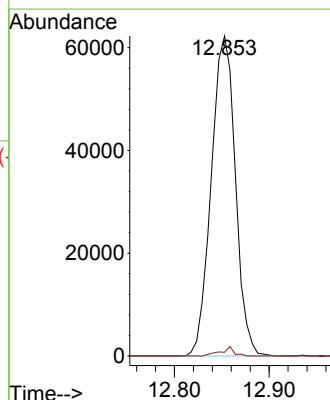
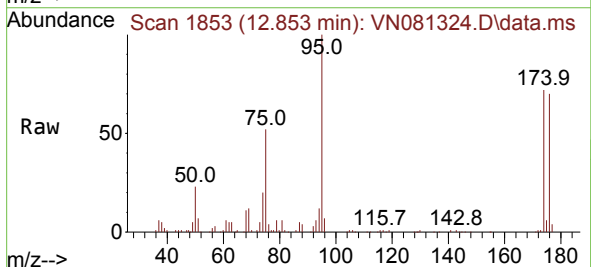
Acq: 06 Mar 2024 14:14

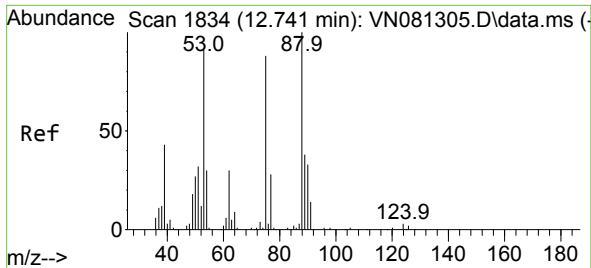
Tgt Ion: 75 Resp: 110411

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.090 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081324.D
 Acq: 06 Mar 2024 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159453ZHE#05

Tgt Ion: 75 Resp: 110411
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.2 33.4 50.0#

