

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081327.D
 Acq On : 06 Mar 2024 15:26
 Operator : JC\MD
 Sample : P1672-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Mar 07 00:27:54 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)

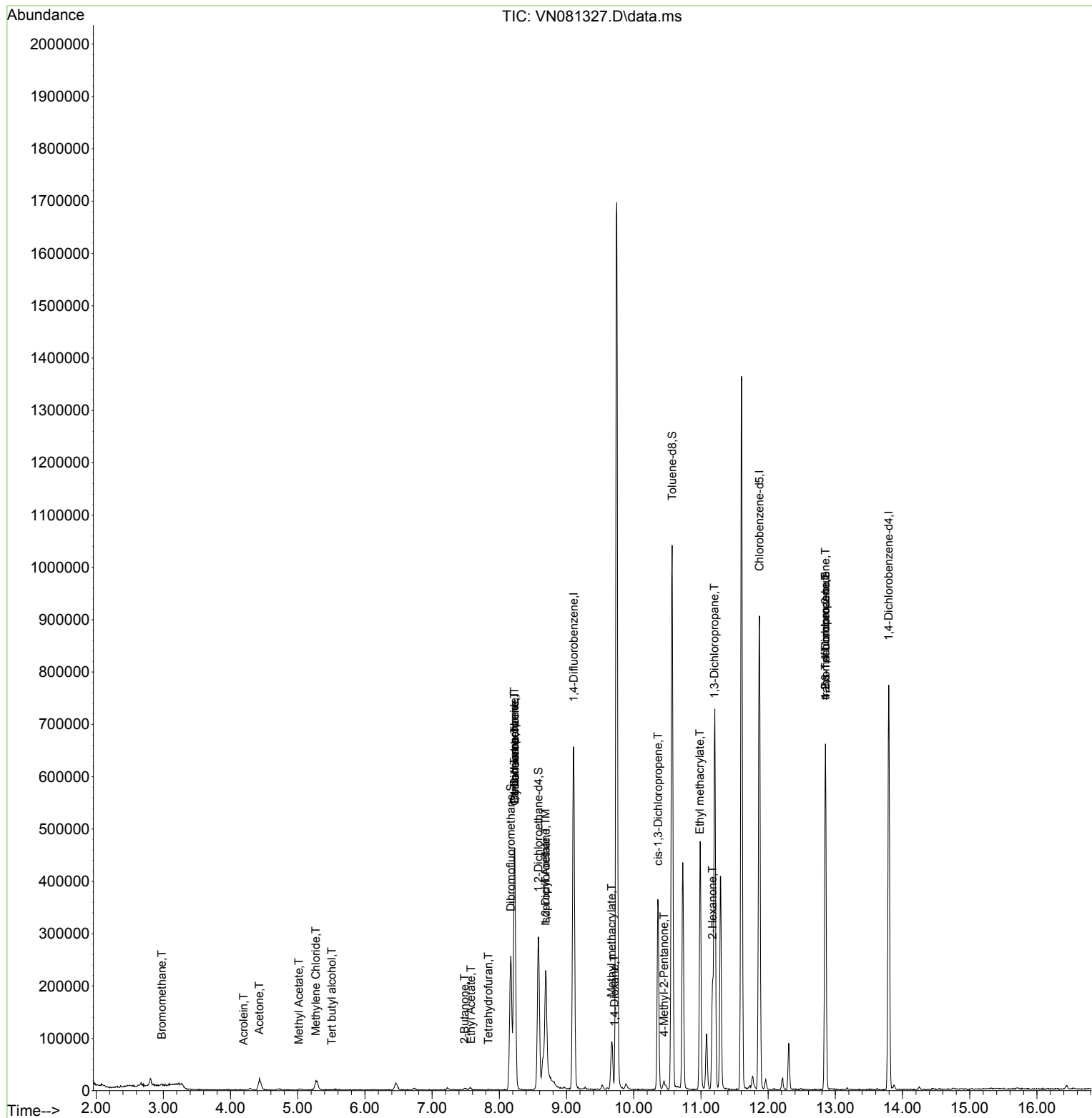
Internal Standards						
1) Pentafluorobenzene	8.230	168	311432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	570241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	516570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	232730	51.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	8.171	113	180127	51.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.120%			
50) Toluene-d8	10.571	98	695485	53.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.853	95	217714	47.165	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.340%			
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	1027	0.331	ug/l #	66
11) Tert butyl alcohol	5.506	59	178	0.226	ug/l #	72
13) Acrolein	4.195	56	443	0.475	ug/l #	31
16) Acetone	4.430	43	38403	24.071	ug/l	95
18) Methyl Acetate	5.018	43	3522	0.771	ug/l #	67
20) Methylene Chloride	5.271	84	8344	1.334	ug/l #	81
25) 2-Butanone	7.483	43	3097	1.159	ug/l	94
29) Tetrahydrofuran	7.836	42	1101	0.604	ug/l #	38
31) Cyclohexane	8.230	56	8412	1.234	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	28490	5.055	ug/l #	46
37) Ethyl Acetate	7.577	43	6751	1.225	ug/l	95
38) Carbon Tetrachloride	8.224	117	35755	6.303	ug/l #	21
42) 1,2-Dichloroethane	8.688	62	1916	0.323	ug/l #	75
43) Isopropyl Acetate	8.688	43	320801	33.266	ug/l #	82
48) Methyl methacrylate	9.671	41	6276	1.472	ug/l #	47
49) 1,4-Dioxane	9.712	88	110	1.171	ug/l #	18
51) 4-Methyl-2-Pentanone	10.453	43	10907	1.948	ug/l	97
54) cis-1,3-Dichloropropene	10.365	75	65454	9.690	ug/l #	63
56) Ethyl methacrylate	10.982	69	2222	0.384	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7999	1.137	ug/l #	43
59) 2-Hexanone	11.171	43	170116	40.638	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	120232	26.245	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120232	73.245	ug/l #	14

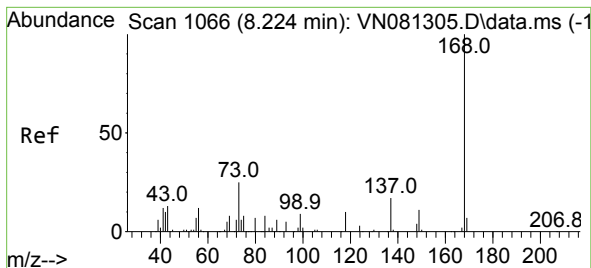
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:27:54 2024
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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# 1

Delta R.T. 0.006 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

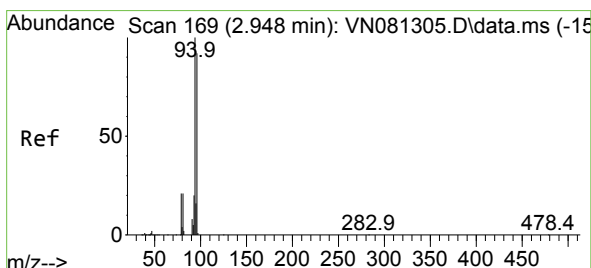
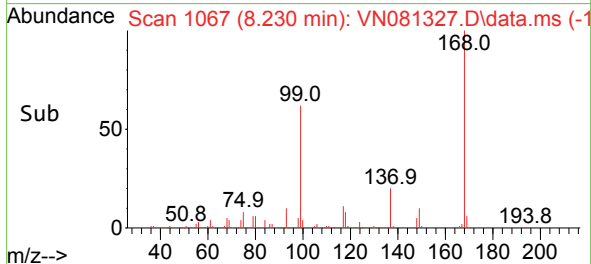
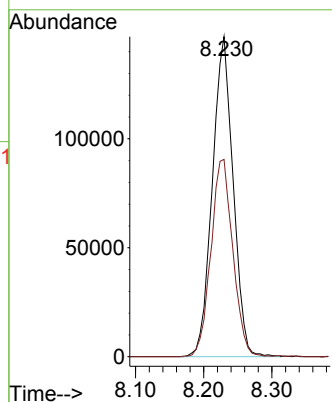
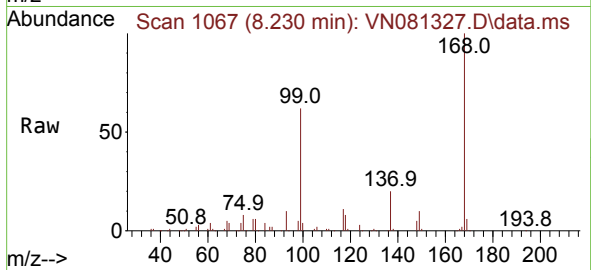
TP-5

Tgt Ion:168 Resp: 311432

Ion Ratio Lower Upper

168 100

99 61.6 59.9 89.9



#5

Bromomethane

Concen: 0.331 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.030 min

Lab File: VN081327.D

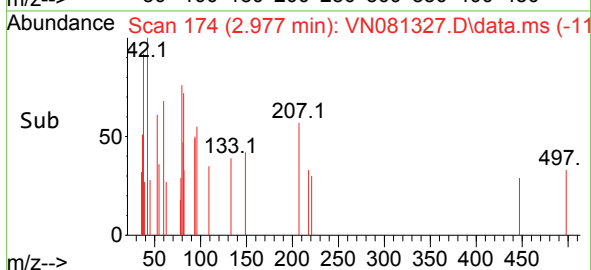
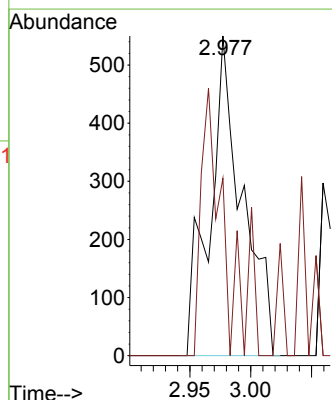
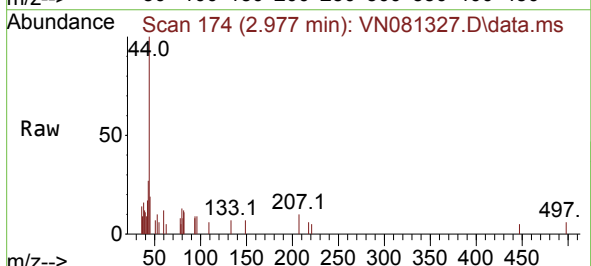
Acq: 06 Mar 2024 15:26

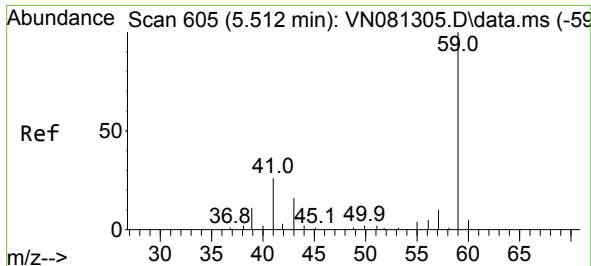
Tgt Ion: 94 Resp: 1027

Ion Ratio Lower Upper

94 100

96 55.5 69.2 103.8#

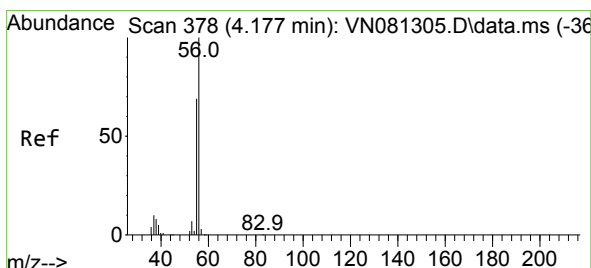
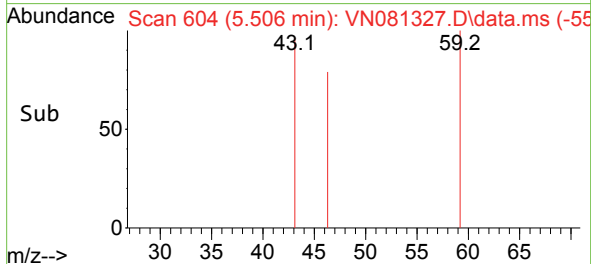
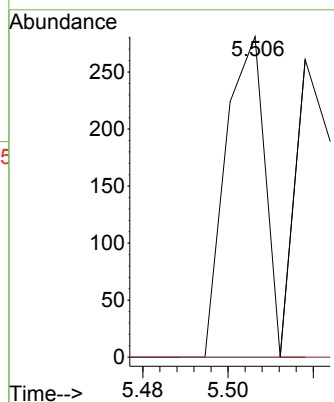
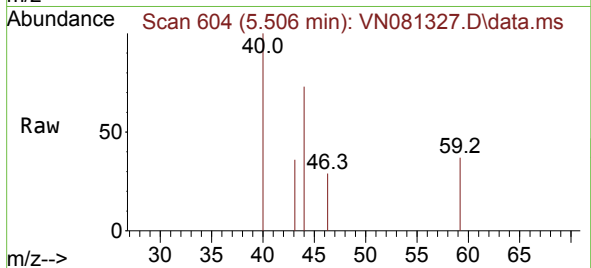




#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

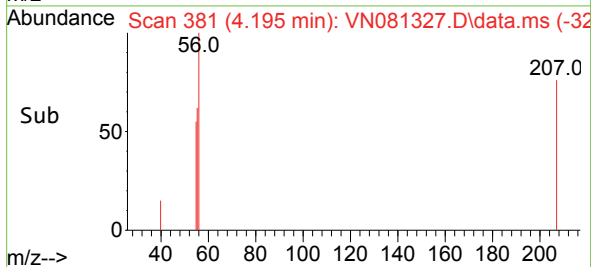
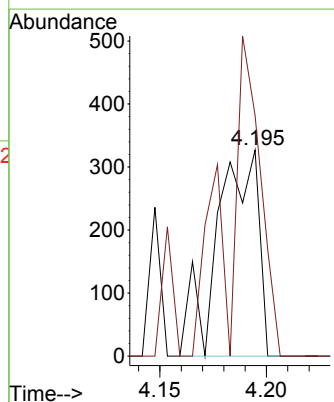
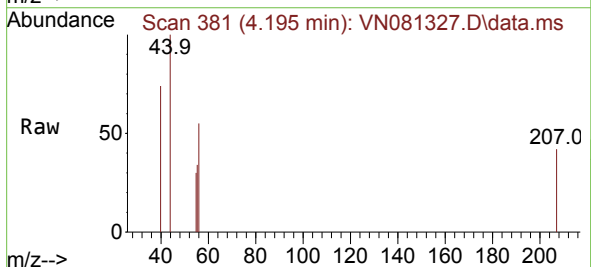
Instrument :
MSVOA_N
ClientSampleId :
TP-5

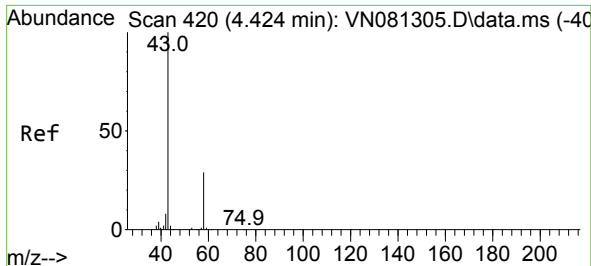
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.475 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 125.1 55.3 82.9#

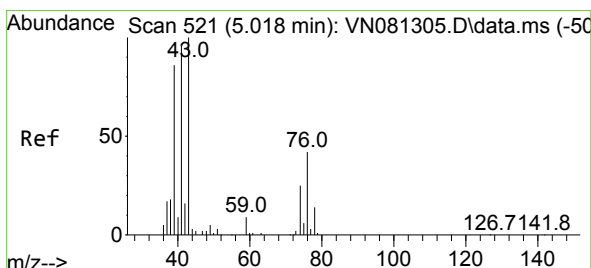
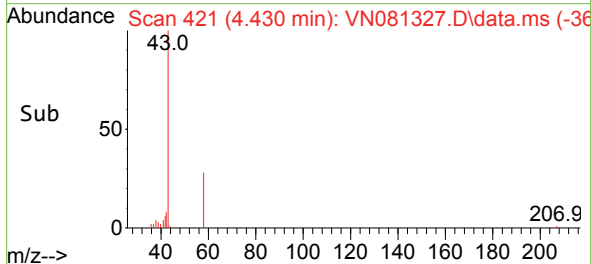
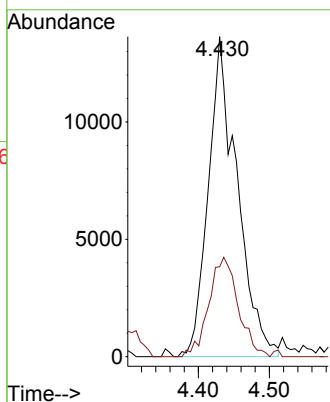
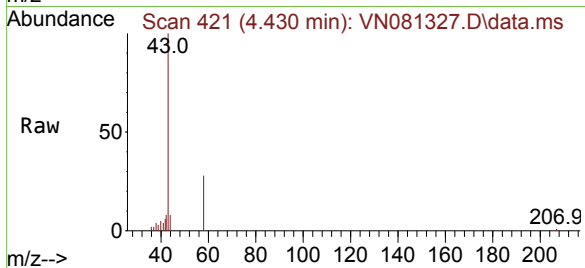




#16
Acetone
Concen: 24.071 ug/l
RT: 4.430 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

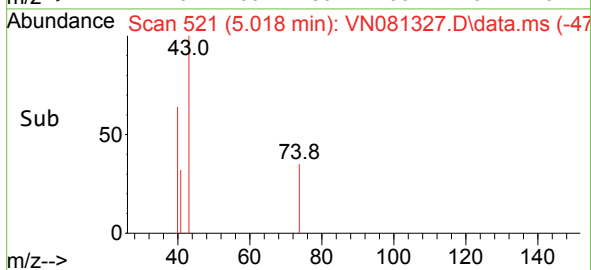
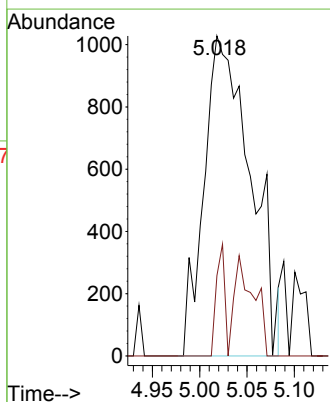
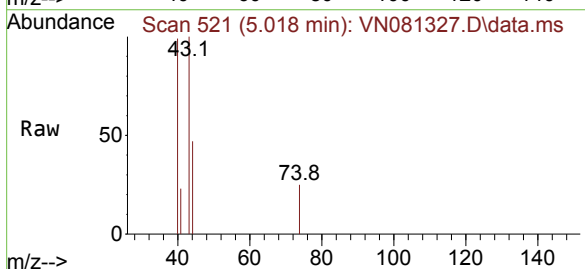
Instrument :
MSVOA_N
ClientSampleId :
TP-5

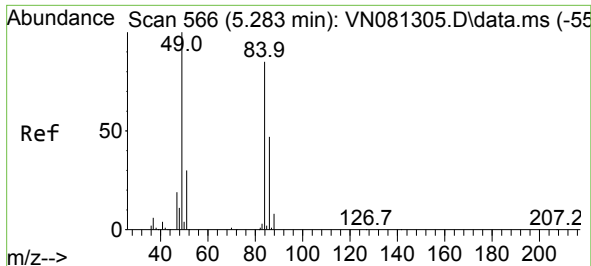
Tgt Ion: 43 Resp: 38403
Ion Ratio Lower Upper
43 100
58 28.1 24.8 37.2



#18
Methyl Acetate
Concen: 0.771 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 43 Resp: 3522
Ion Ratio Lower Upper
43 100
74 6.2 17.3 25.9#

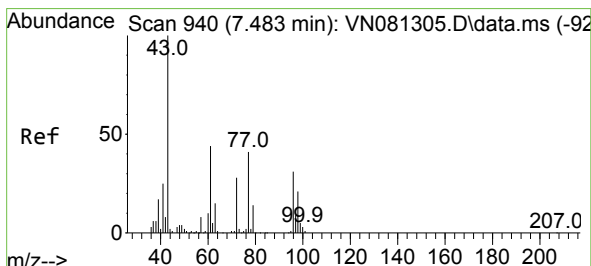
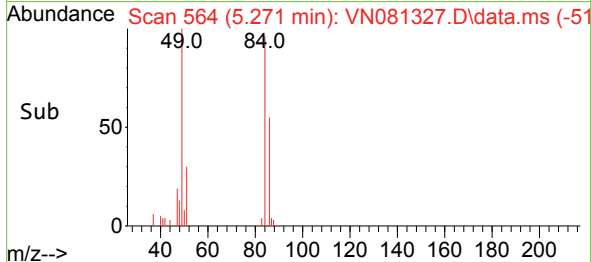
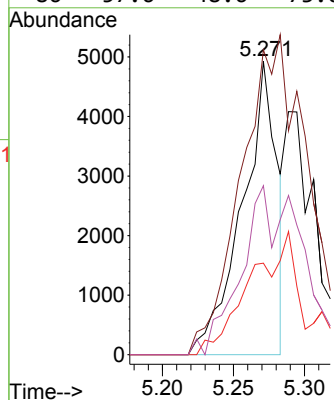
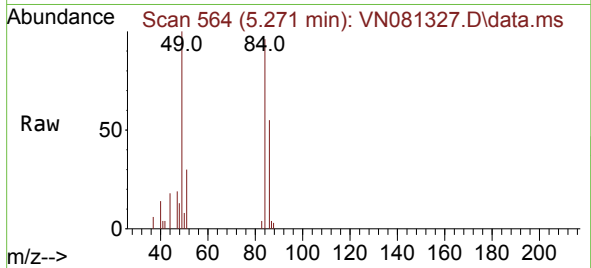




#20
Methylene Chloride
Concen: 1.334 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

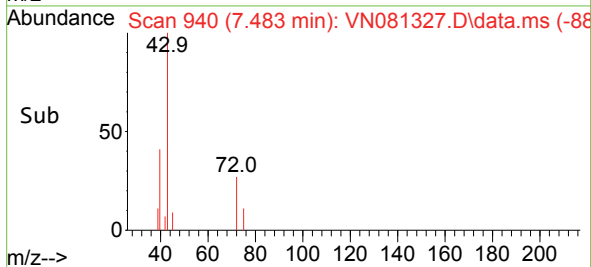
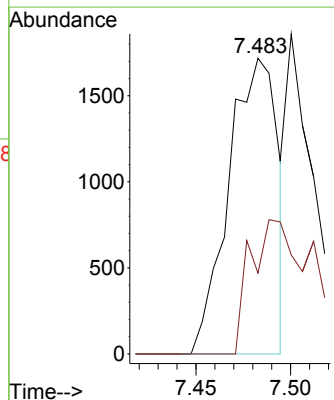
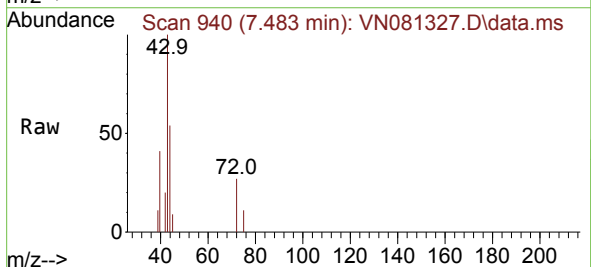
Instrument :
MSVOA_N
ClientSampleId :
TP-5

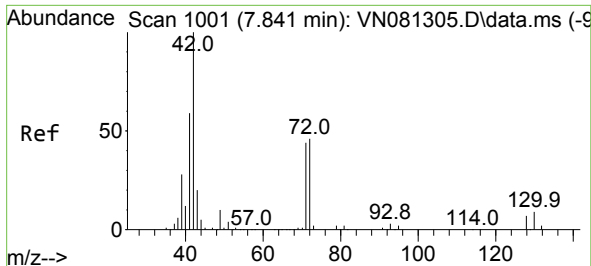
Tgt Ion:	84	Resp:	8344
Ion	Ratio	Lower	Upper
84	100		
49	103.9	108.1	162.1#
51	31.2	32.9	49.3#
86	57.6	48.6	73.0



#25
2-Butanone
Concen: 1.159 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion:	43	Resp:	3097
Ion	Ratio	Lower	Upper
43	100		
72	27.3	19.5	29.3





#29

Tetrahydrofuran

Concen: 0.604 ug/l

RT: 7.836 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-5

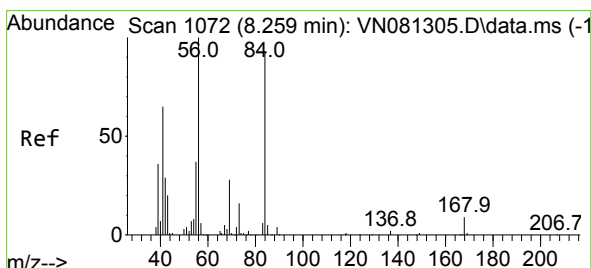
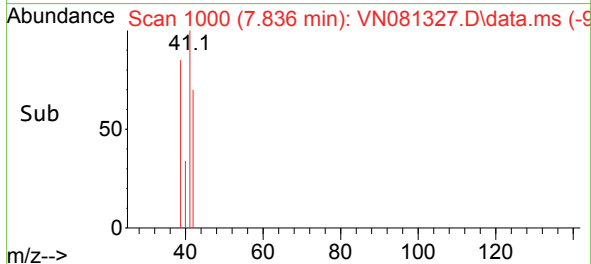
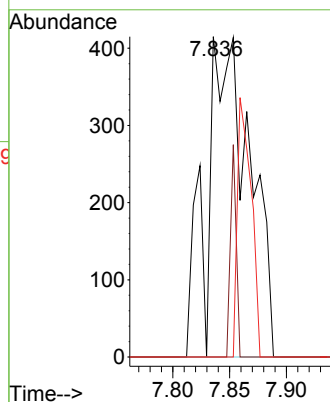
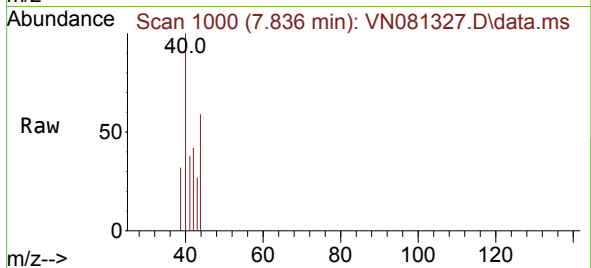
Tgt Ion: 42 Resp: 1101

Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

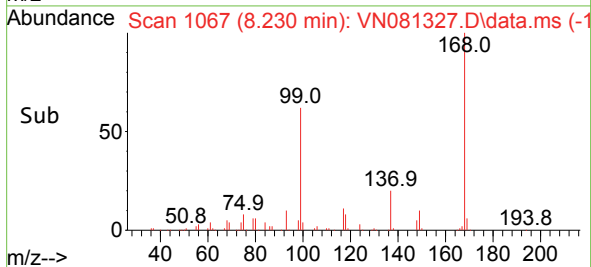
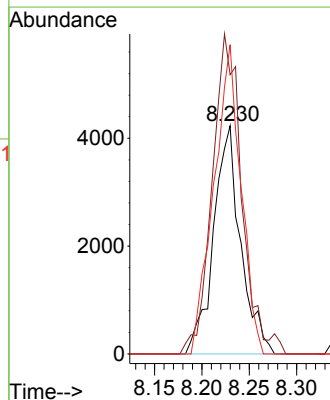
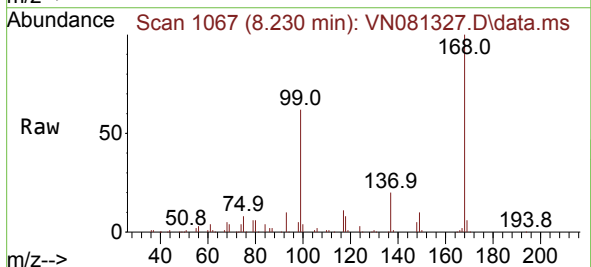
Tgt Ion: 56 Resp: 8412

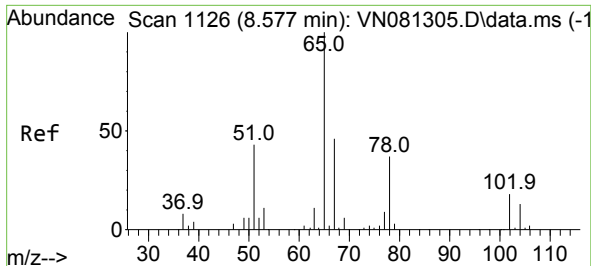
Ion Ratio Lower Upper

56 100

69 122.4 20.1 30.1#

84 135.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.684 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

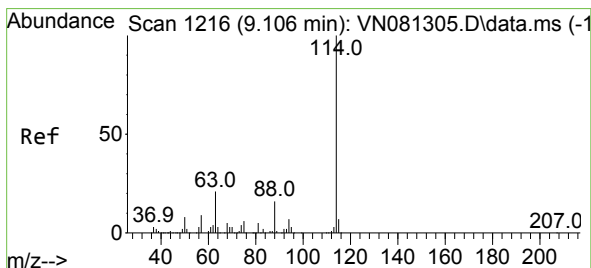
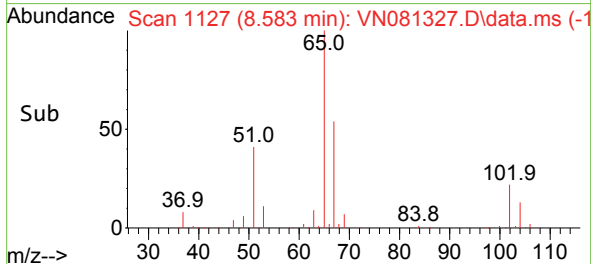
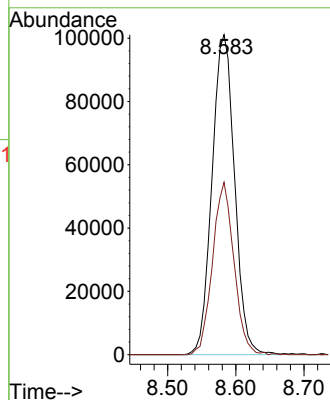
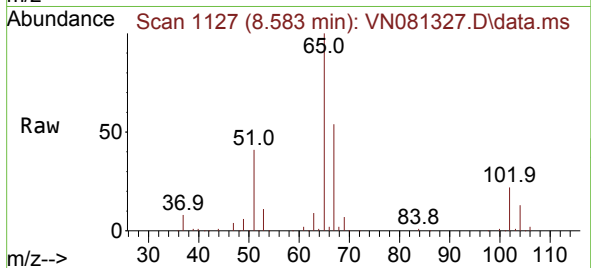
TP-5

Tgt Ion: 65 Resp: 232730

Ion Ratio Lower Upper

65 100

67 51.3 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: VN081327.D

Acq: 06 Mar 2024 15:26

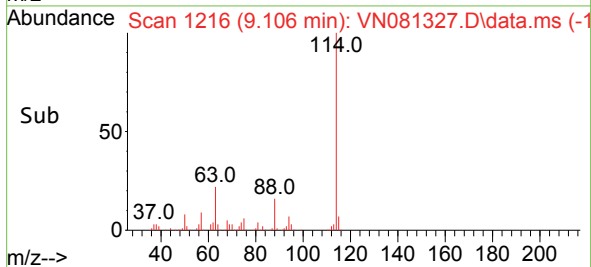
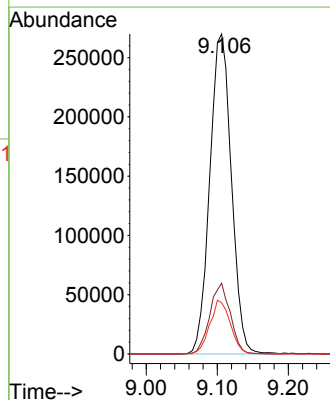
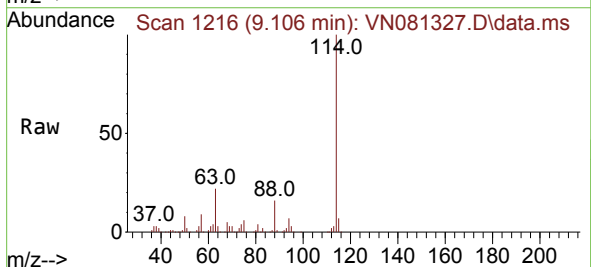
Tgt Ion: 114 Resp: 570241

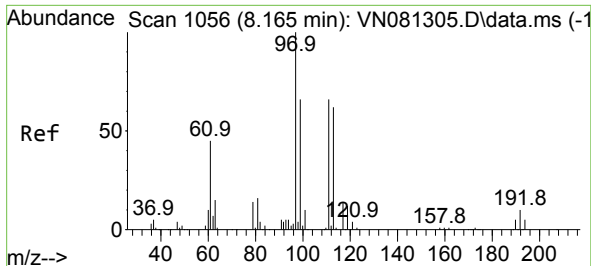
Ion Ratio Lower Upper

114 100

63 22.2 0.0 48.0

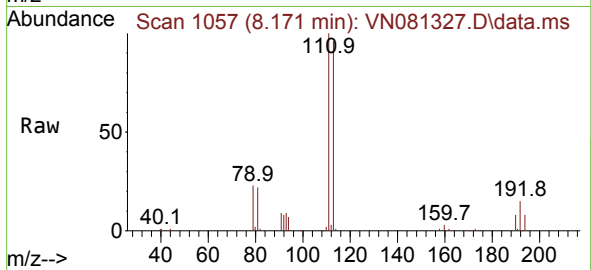
88 16.0 0.0 34.8



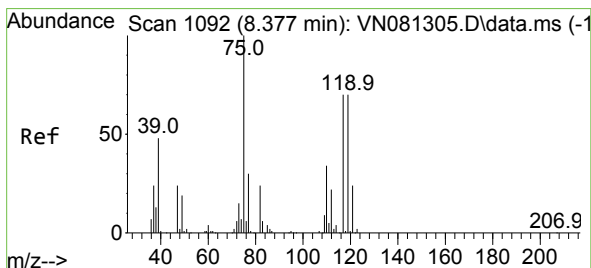
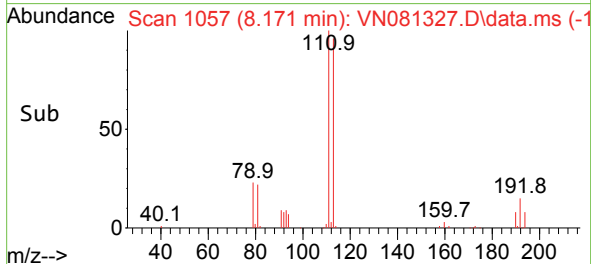
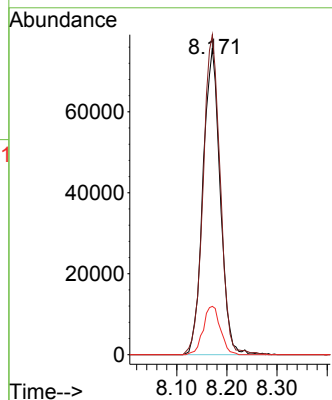


#35
Dibromofluoromethane
Concen: 51.558 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Instrument :
MSVOA_N
ClientSampleId :
TP-5

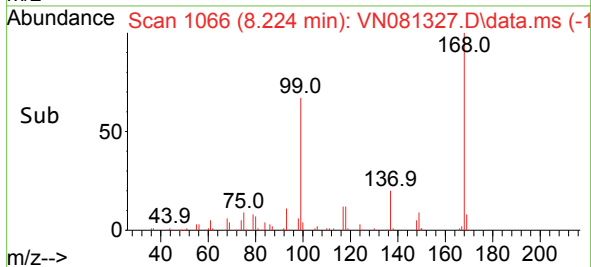
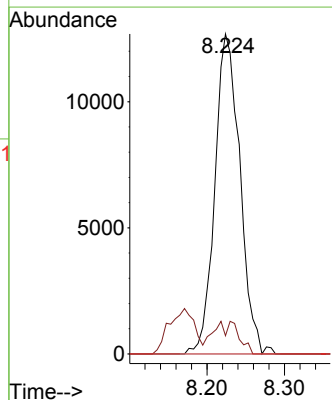
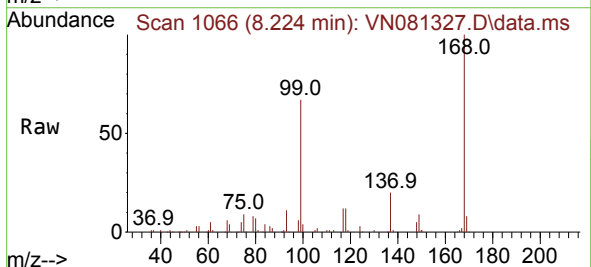


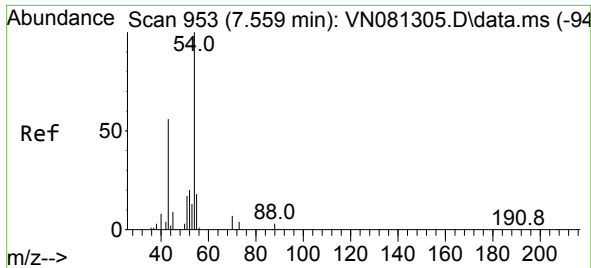
Tgt Ion:113 Resp: 180127
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 15.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 75 Resp: 28490
Ion Ratio Lower Upper
75 100
110 3.4 16.0 48.0#
77 0.0 25.8 38.6#

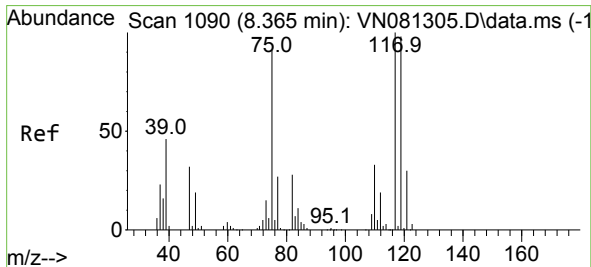
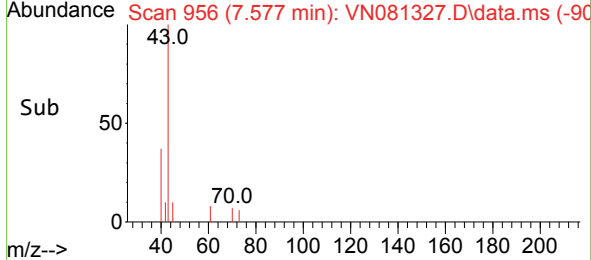
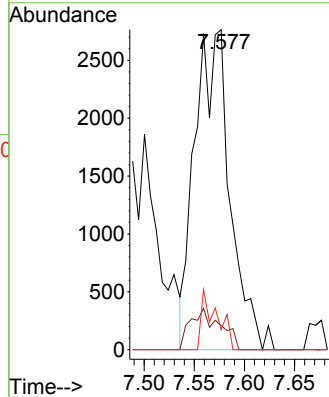
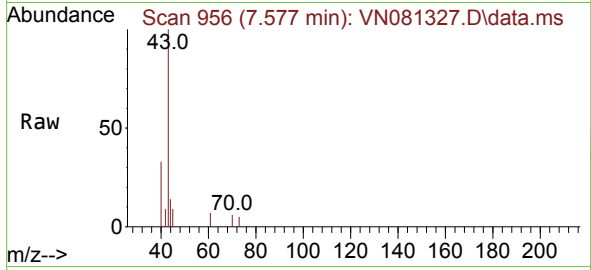




#37
Ethyl Acetate
Concen: 1.225 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

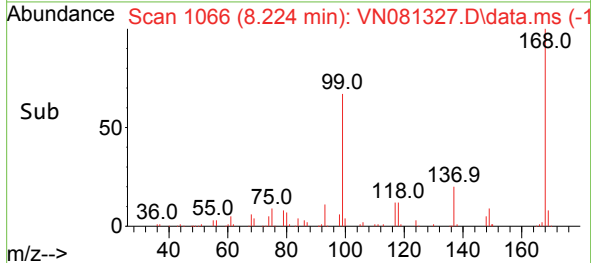
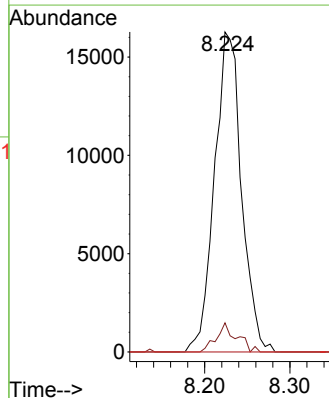
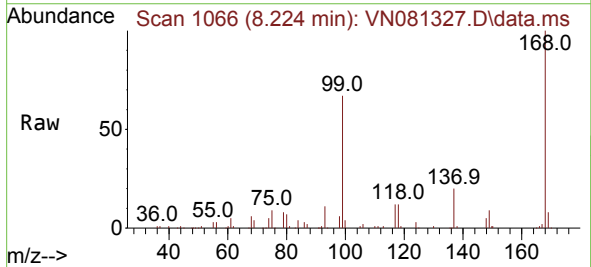
Instrument :
MSVOA_N
ClientSampleId :
TP-5

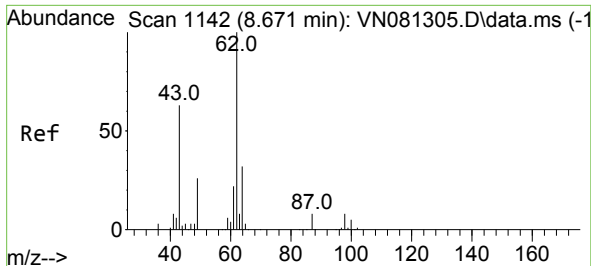
Tgt Ion: 43 Resp: 6751
Ion Ratio Lower Upper
43 100
61 10.9 10.6 15.8
70 8.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 117 Resp: 35755
Ion Ratio Lower Upper
117 100
119 9.1 73.4 110.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.323 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

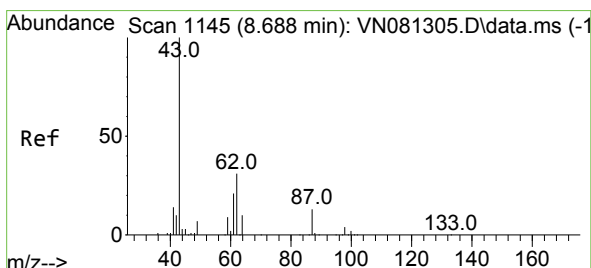
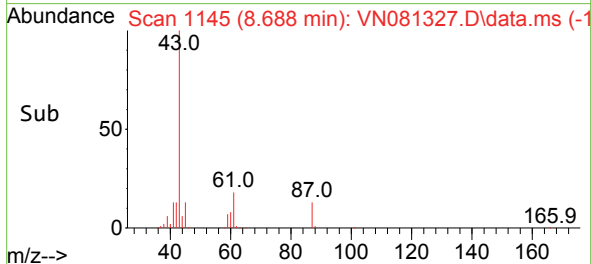
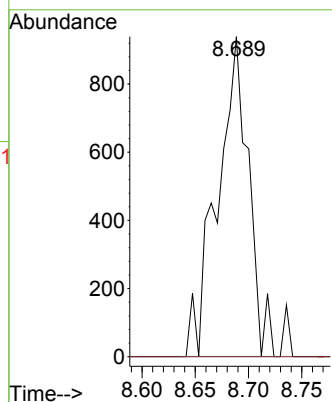
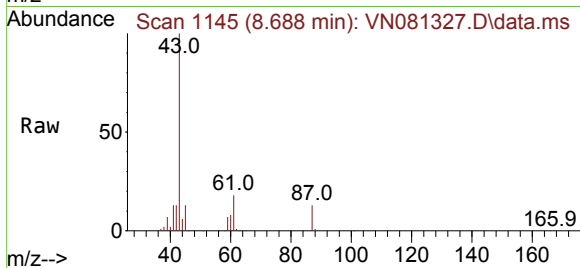
TP-5

Tgt Ion: 62 Resp: 1916

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 33.266 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

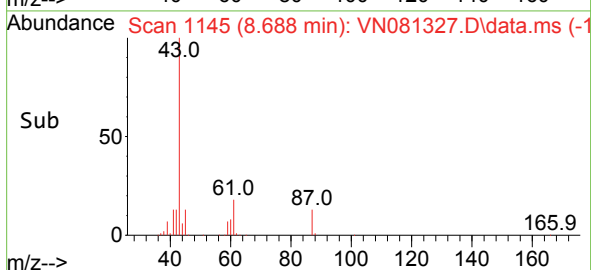
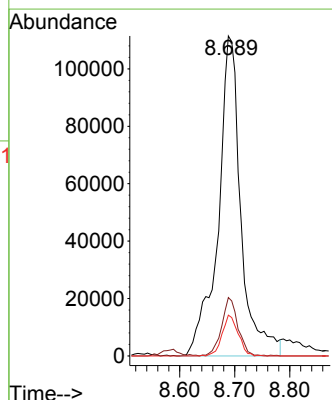
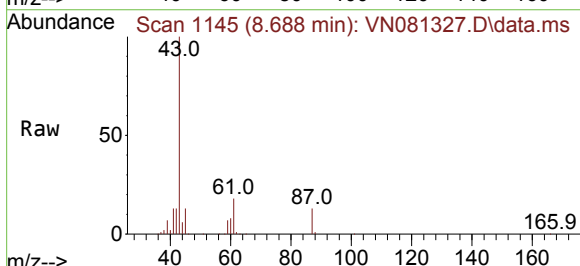
Tgt Ion: 43 Resp: 320801

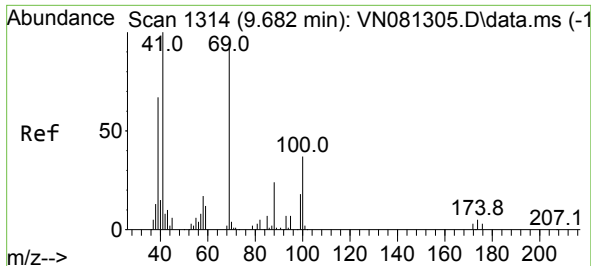
Ion Ratio Lower Upper

43 100

61 13.1 19.9 29.9#

87 9.0 9.0 13.6#





#48

Methyl methacrylate

Concen: 1.472 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-5

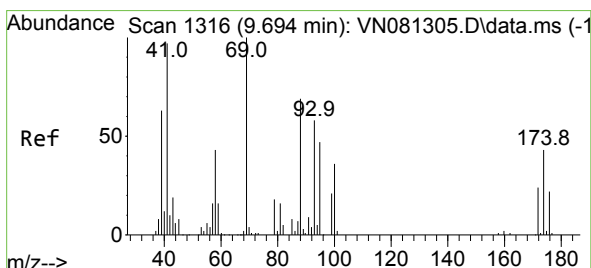
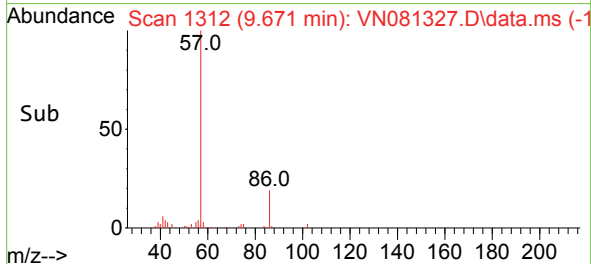
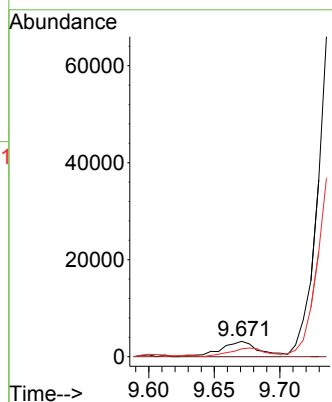
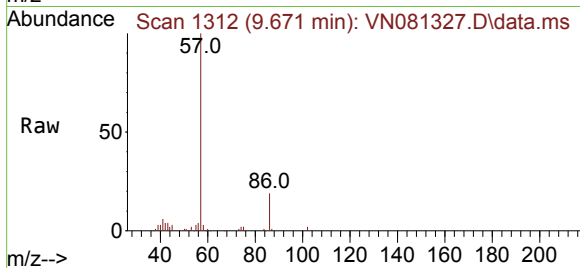
Tgt Ion: 41 Resp: 6276

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 54.7 47.6 71.4



#49

1,4-Dioxane

Concen: 1.171 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.018 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

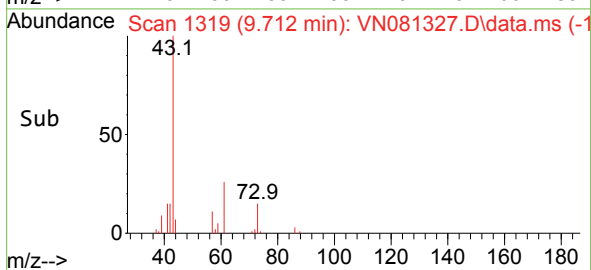
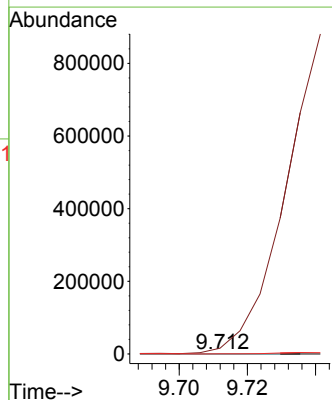
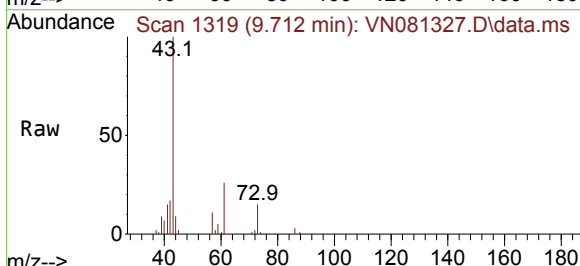
Tgt Ion: 88 Resp: 110

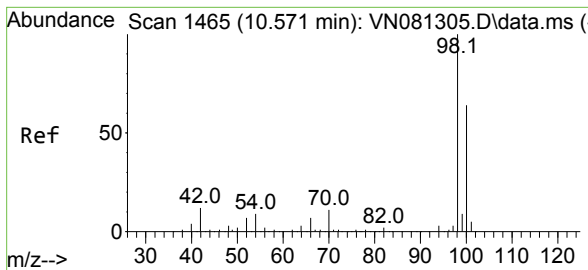
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

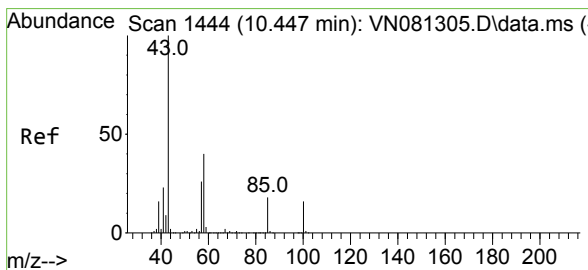
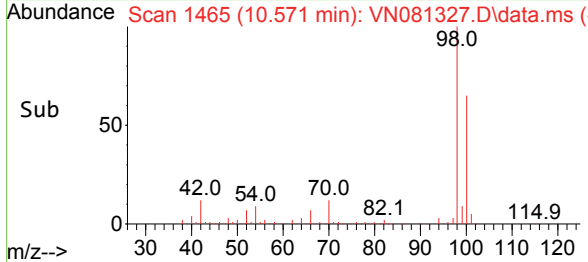
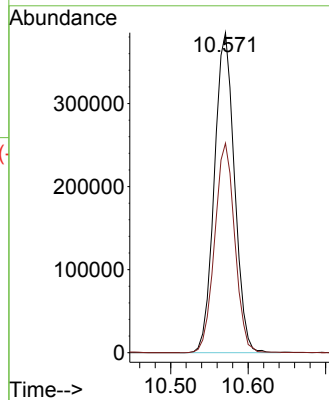
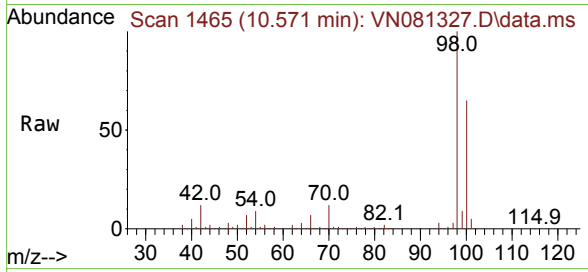




#50
Toluene-d8
Concen: 53.252 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

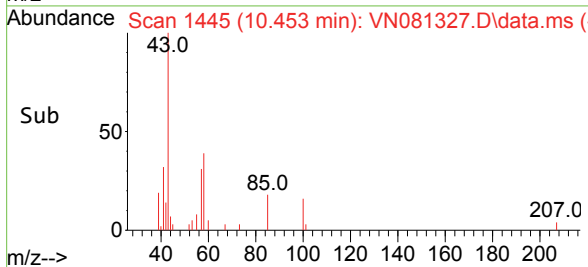
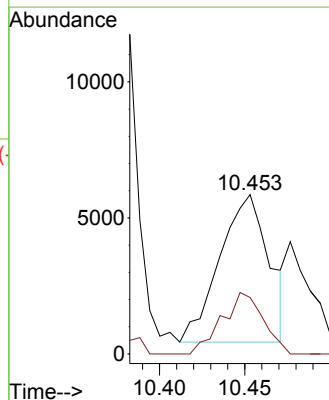
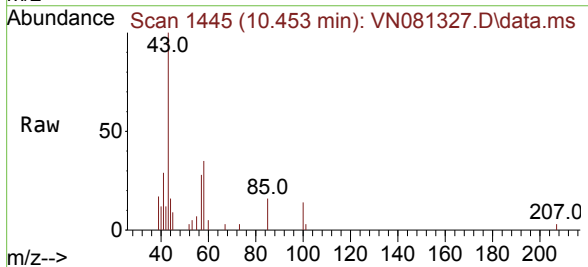
Instrument :
MSVOA_N
ClientSampleId :
TP-5

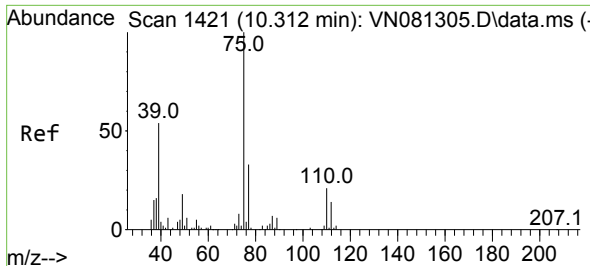
Tgt Ion: 98 Resp: 695485
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.948 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 43 Resp: 10907
Ion Ratio Lower Upper
43 100
58 34.8 29.4 44.0

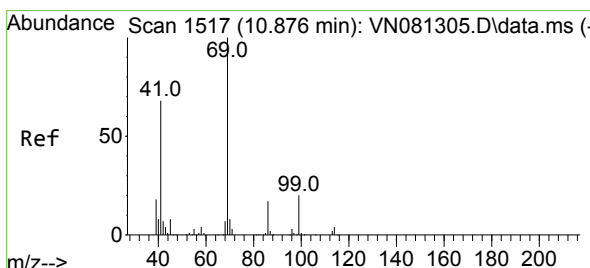
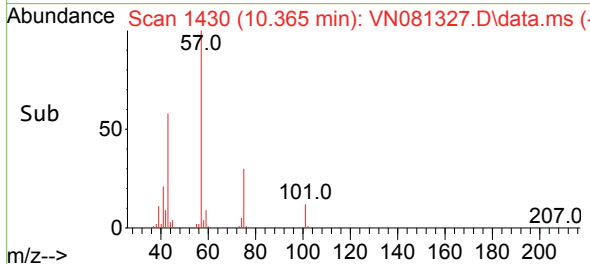
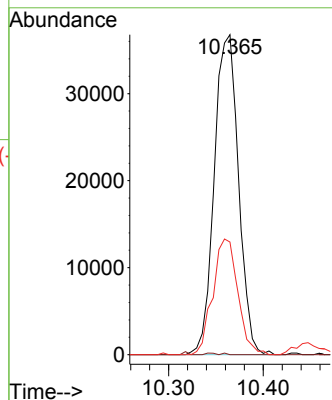
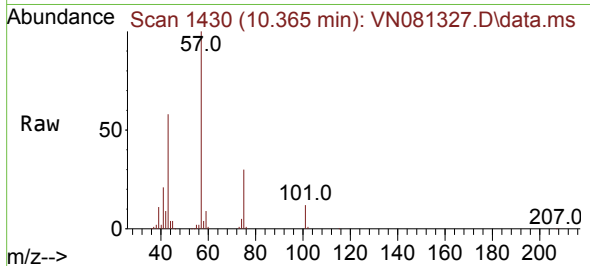




#54
cis-1,3-Dichloropropene
Concen: 9.690 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

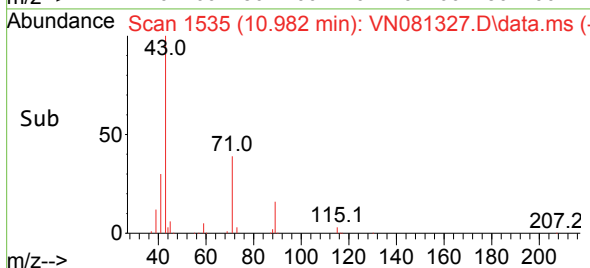
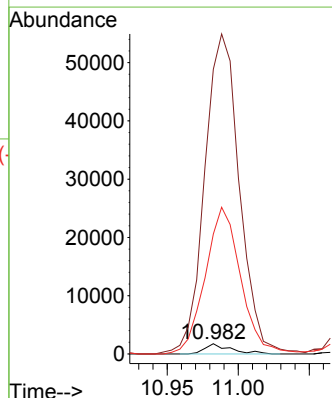
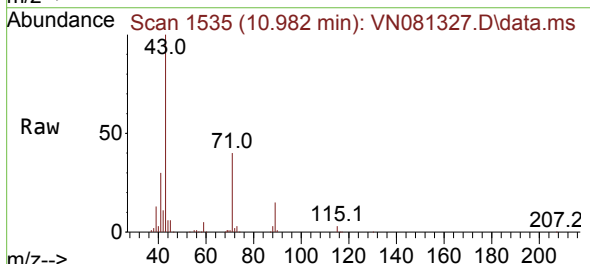
Instrument :
MSVOA_N
ClientSampleId :
TP-5

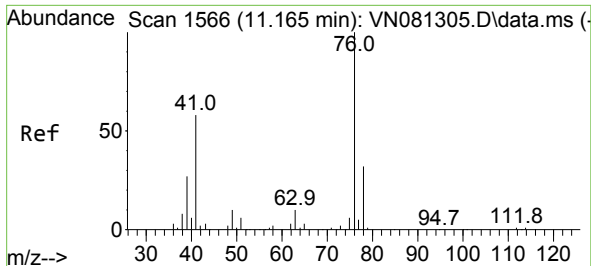
Tgt Ion: 75 Resp: 65454
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 35.2 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.384 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 69 Resp: 2222
Ion Ratio Lower Upper
69 100
41 4222.5 61.0 91.6#
39 1966.0 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.137 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

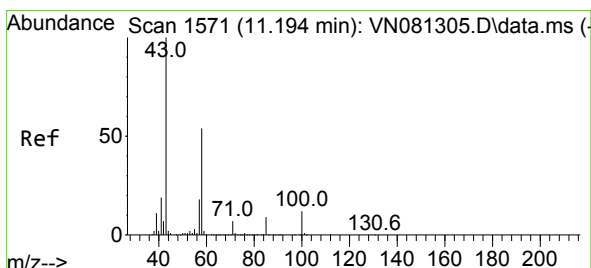
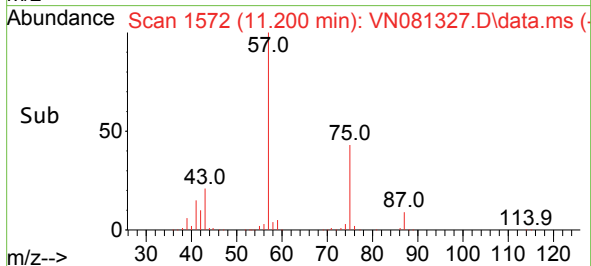
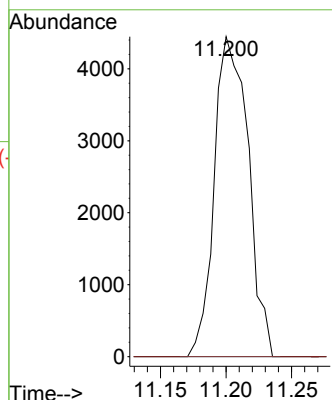
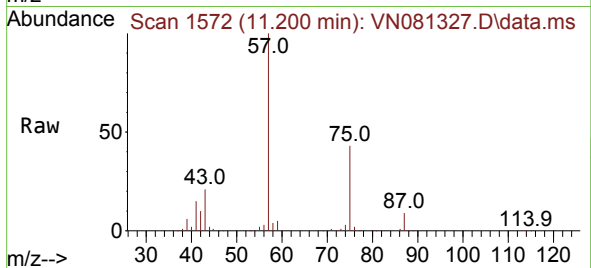
TP-5

Tgt Ion: 76 Resp: 7999

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 40.638 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081327.D

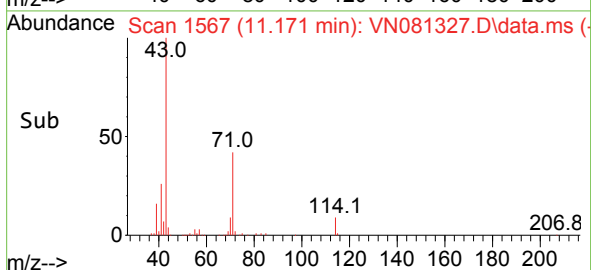
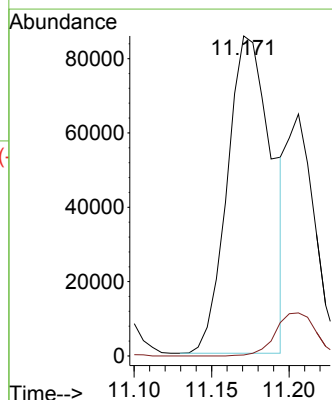
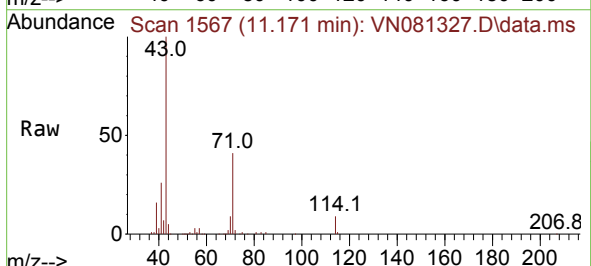
Acq: 06 Mar 2024 15:26

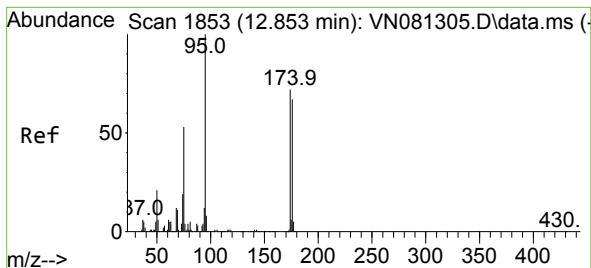
Tgt Ion: 43 Resp: 170116

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

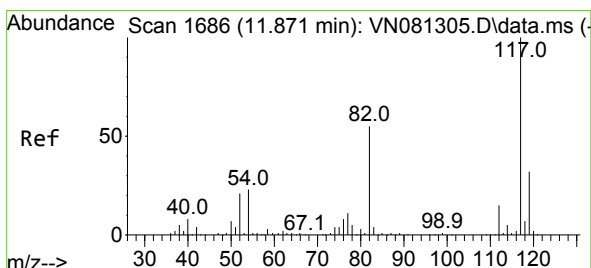
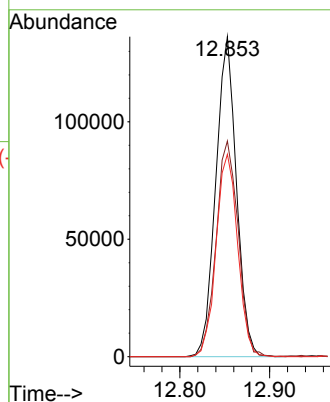
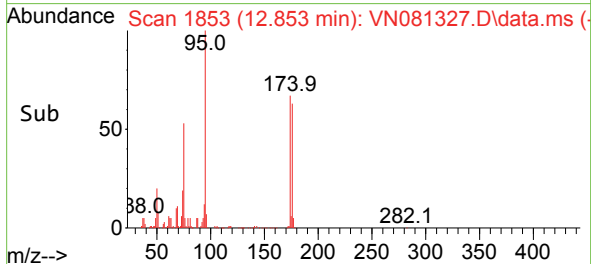
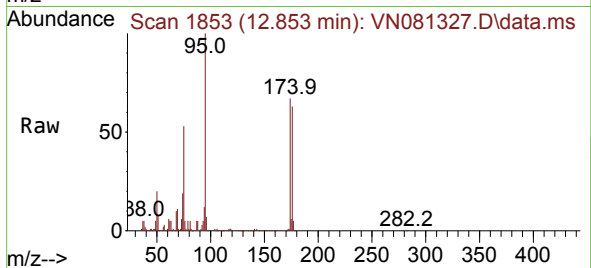




#62
4-Bromofluorobenzene
Concen: 47.165 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

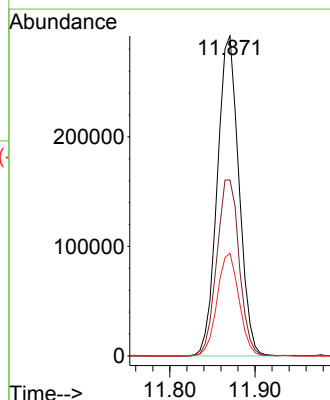
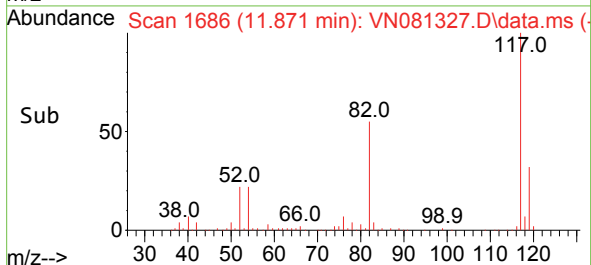
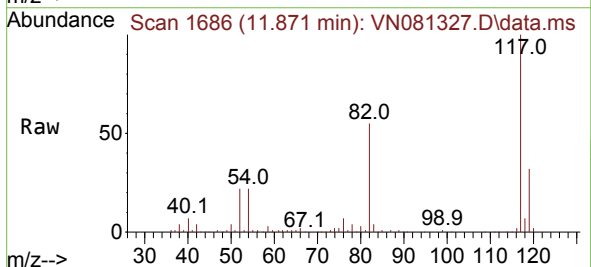
Instrument :
MSVOA_N
ClientSampleId :
TP-5

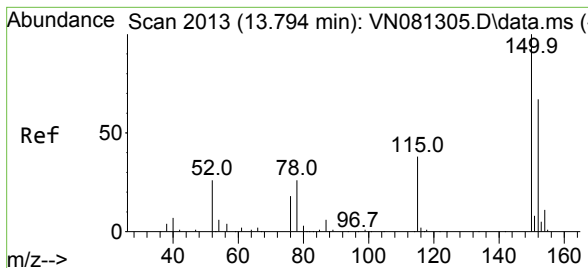
Tgt Ion: 95 Resp: 217714
Ion Ratio Lower Upper
95 100
174 72.2 0.0 120.4
176 66.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN081327.D
Acq: 06 Mar 2024 15:26

Tgt Ion: 117 Resp: 516570
Ion Ratio Lower Upper
117 100
82 55.0 52.7 79.1
119 32.1 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081327.D

Acq: 06 Mar 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-5

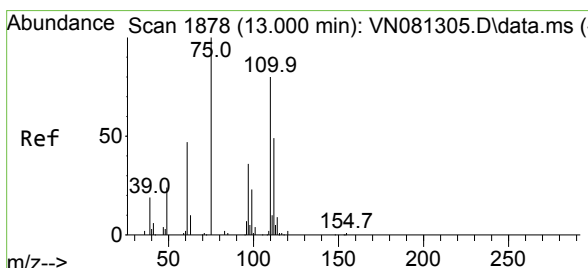
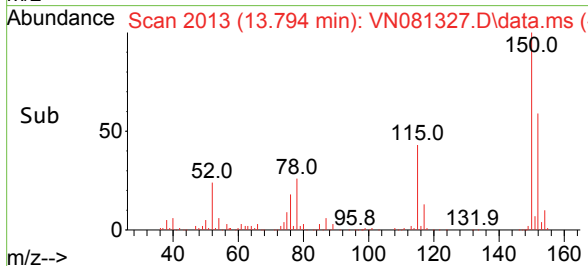
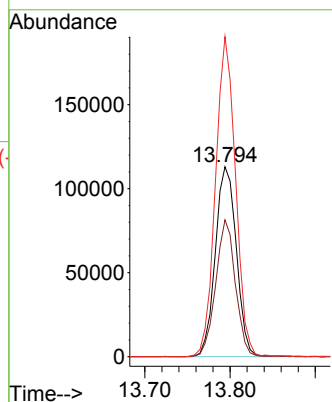
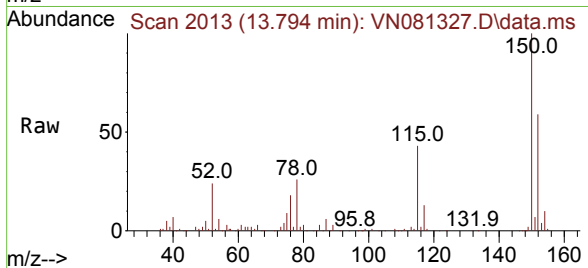
Tgt Ion:152 Resp: 193955

Ion Ratio Lower Upper

152 100

115 67.3 32.3 96.8

150 160.7 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.245 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081327.D

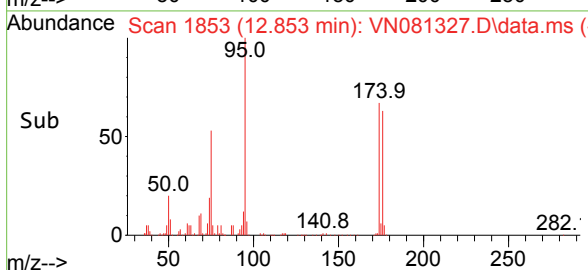
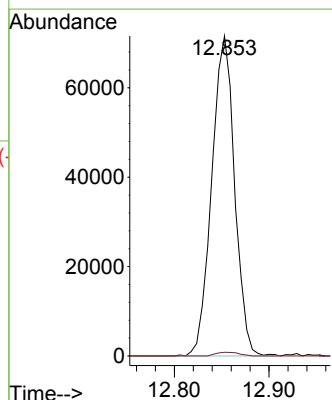
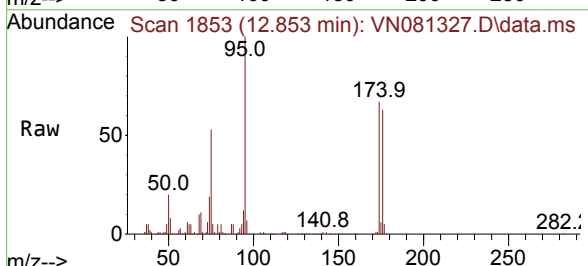
Acq: 06 Mar 2024 15:26

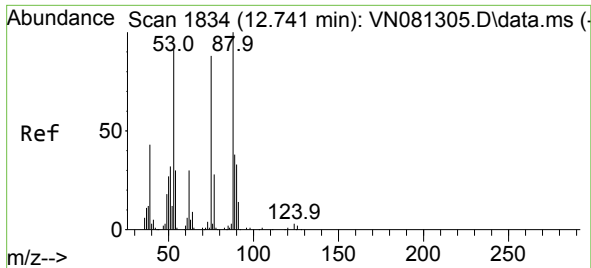
Tgt Ion: 75 Resp: 120232

Ion Ratio Lower Upper

75 100

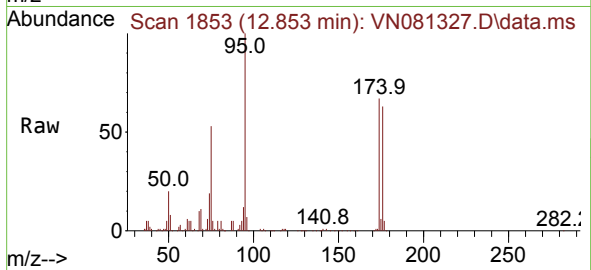
77 1.2 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.245 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081327.D
 Acq: 06 Mar 2024 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5



Tgt Ion: 75 Resp: 120232
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

