

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081619.D
 Acq On : 29 Mar 2024 16:41
 Operator : JC\MD
 Sample : P1921-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-18

Quant Time: Mar 30 00:31:40 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

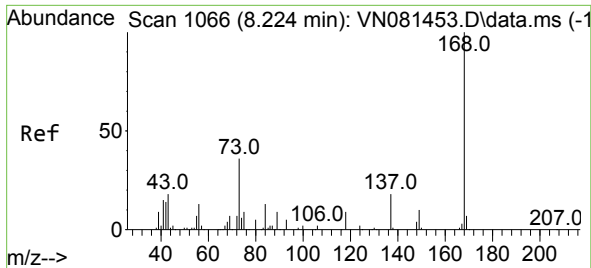
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	379161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	689703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	616881	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	258688	53.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.000%			
35) Dibromofluoromethane	8.171	113	219399	50.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.565	98	816139	51.869	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.853	95	261684	47.199	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.400%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	838	0.536	ug/l #	80
31) Cyclohexane	8.229	56	9605	1.221	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	33032	4.509	ug/l #	51
38) Carbon Tetrachloride	8.224	117	40149	5.003	ug/l #	18
40) Benzene	8.606	78	434574	20.292	ug/l	96
43) Isopropyl Acetate	8.688	43	4820	0.464	ug/l #	63
48) Methyl methacrylate	9.735	41	2797	0.583	ug/l #	47
52) Toluene	10.635	92	209039	15.357	ug/l	96
53) t-1,3-Dichloropropene	10.641	75	2563	0.308	ug/l #	1
55) 1,1,2-Trichloroethane	10.888	97	1648	0.301	ug/l #	13
56) Ethyl methacrylate	10.735	69	203	0.598	ug/l #	1
59) 2-Hexanone	11.170	43	3775	0.805	ug/l #	26
67) Ethyl Benzene	11.965	91	18106	0.715	ug/l	99
68) m/p-Xylenes	12.070	106	33134	3.489	ug/l	96
69) o-Xylene	12.400	106	22088	2.369	ug/l	86
70) Styrene	12.412	104	6968	0.463	ug/l #	73
76) 1,2,3-Trichloropropane	12.853	75	134515	22.267	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134515	60.173	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	13153	0.736	ug/l	91
85) sec-Butylbenzene	13.482	105	13153	0.600	ug/l #	60
95) Naphthalene	15.647	128	151413	8.594	ug/l	99

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

Quant Time: Mar 30 00:31:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration

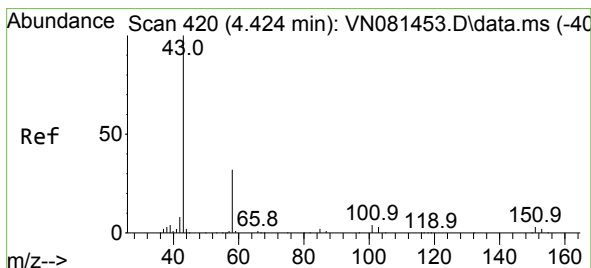
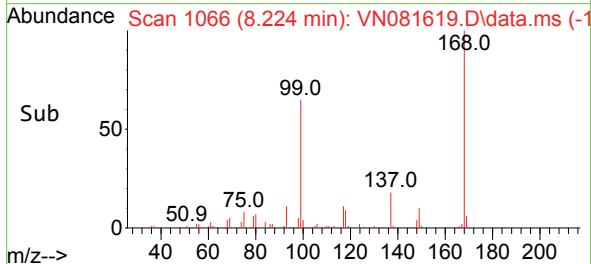
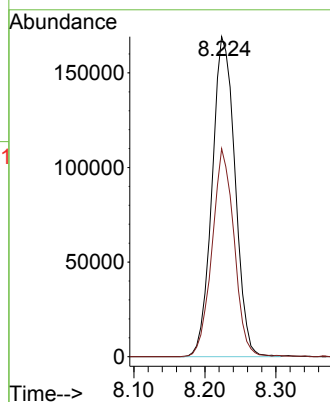
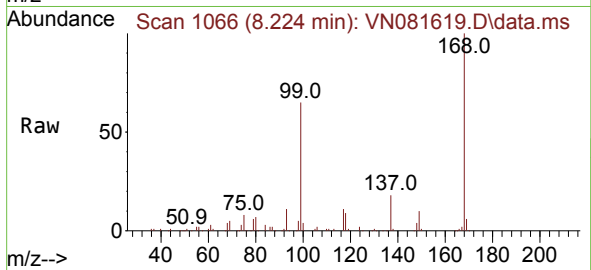




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

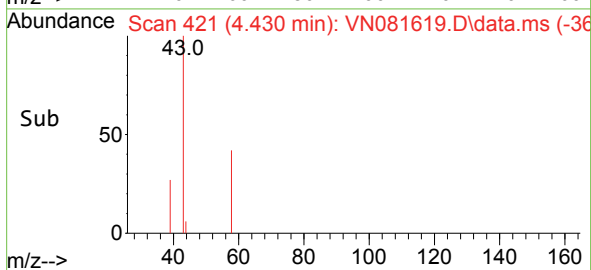
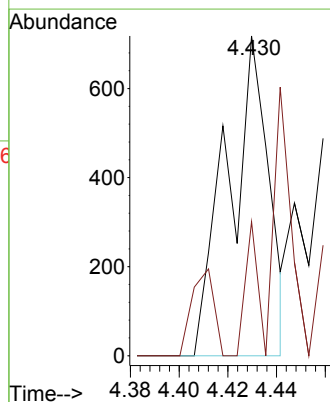
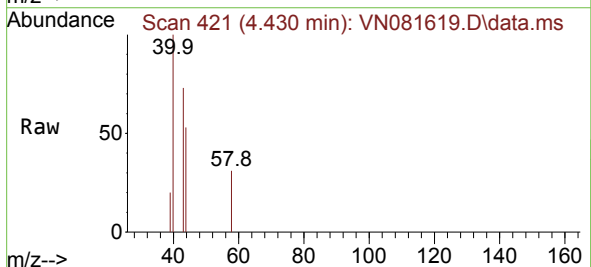
Instrument :
MSVOA_N
ClientSampleId :
S-18

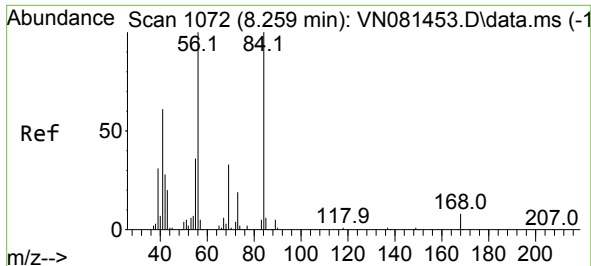
Tgt Ion:168 Resp: 379161
Ion Ratio Lower Upper
168 100
99 65.0 59.9 89.9



#16
Acetone
Concen: 0.536 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 41.9 24.8 37.2#

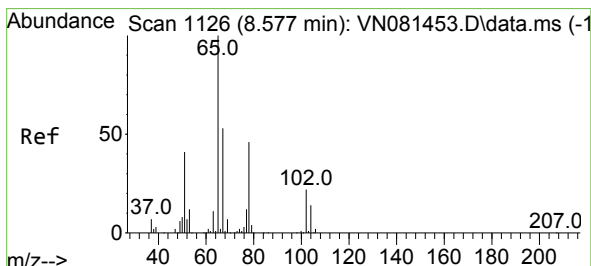
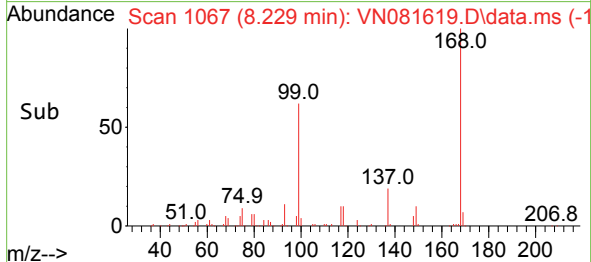
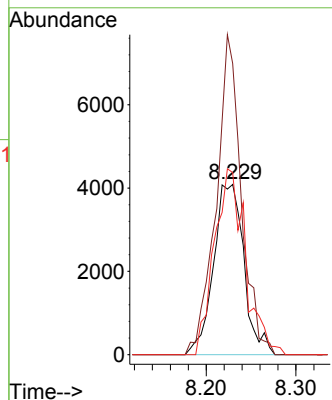
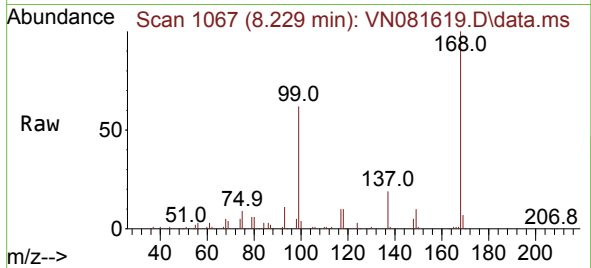




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

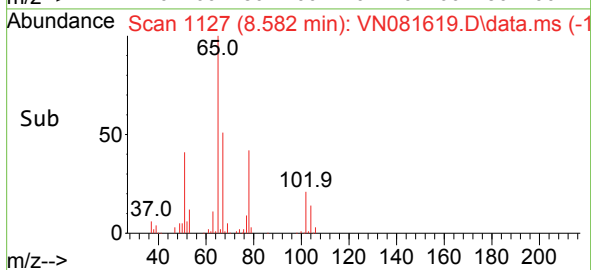
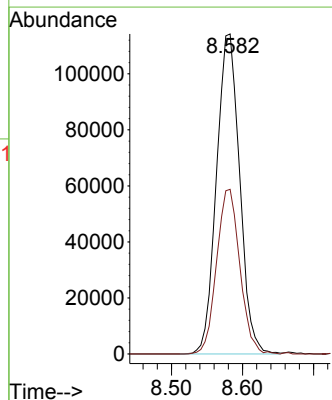
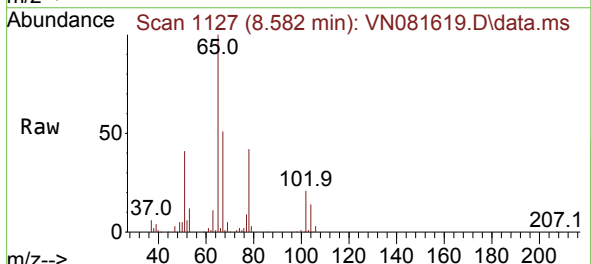
Instrument :
MSVOA_N
ClientSampleId :
S-18

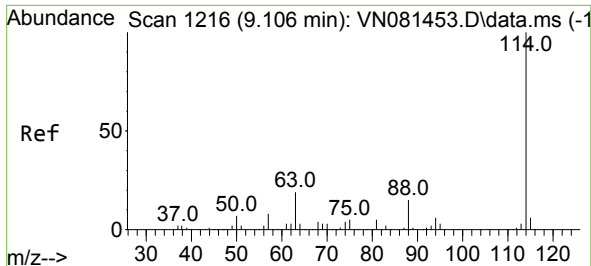
Tgt Ion: 56 Resp: 9605
Ion Ratio Lower Upper
56 100
69 171.0 20.1 30.1#
84 106.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 53.500 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 65 Resp: 258688
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

S-18

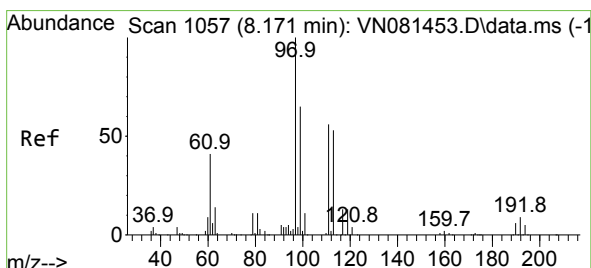
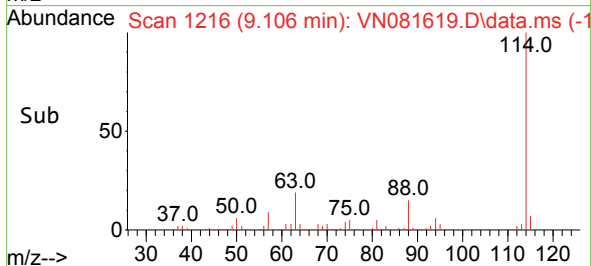
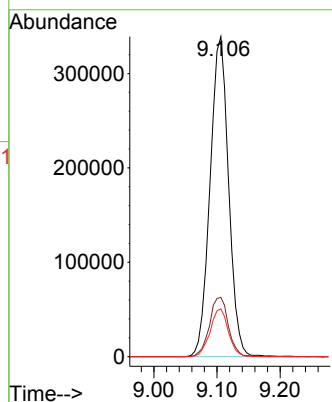
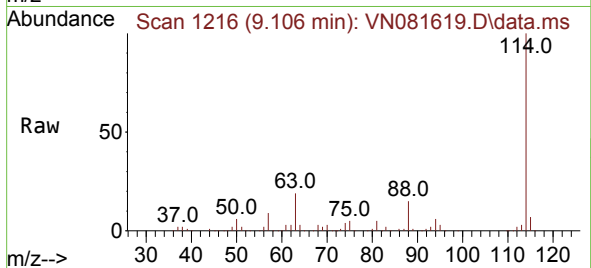
Tgt Ion:114 Resp: 689703

Ion Ratio Lower Upper

114 100

63 18.6 0.0 48.0

88 15.0 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.405 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

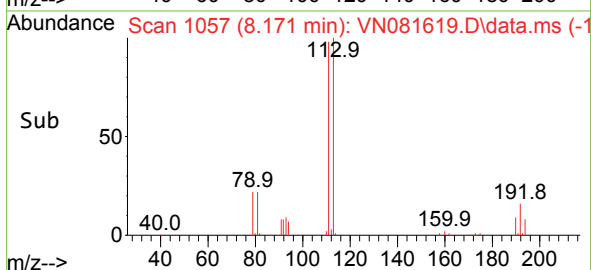
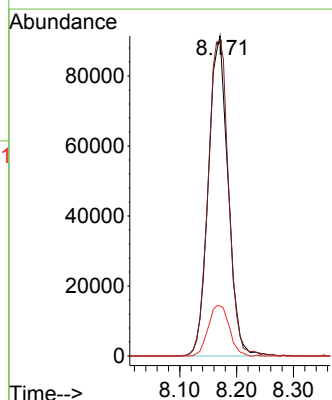
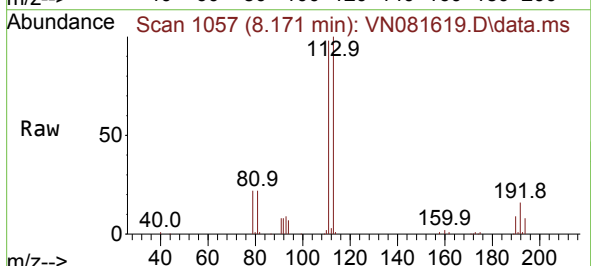
Tgt Ion:113 Resp: 219399

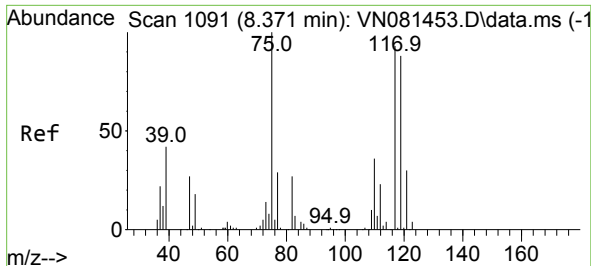
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 16.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

S-18

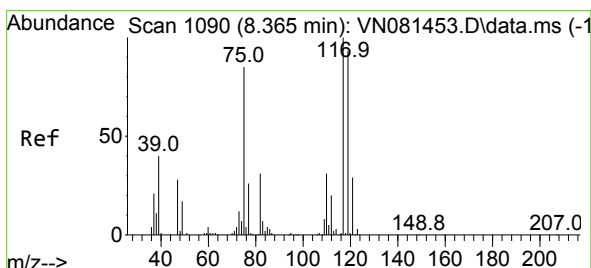
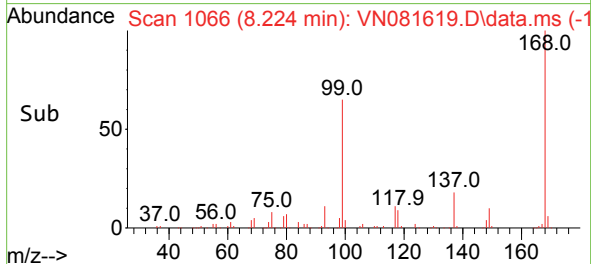
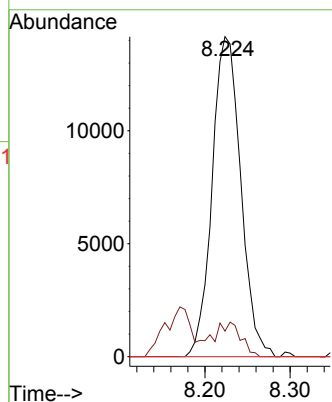
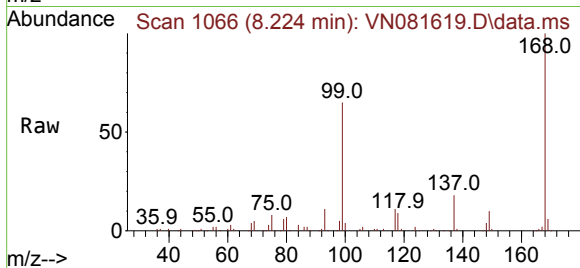
Tgt Ion: 75 Resp: 33032

Ion Ratio Lower Upper

75 100

110 9.7 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.003 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

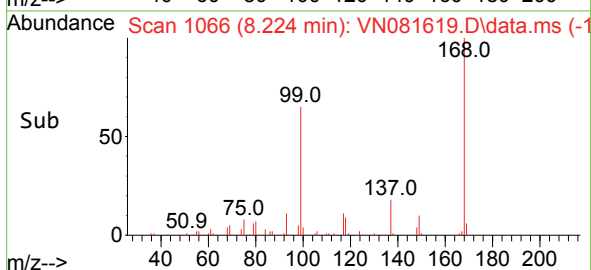
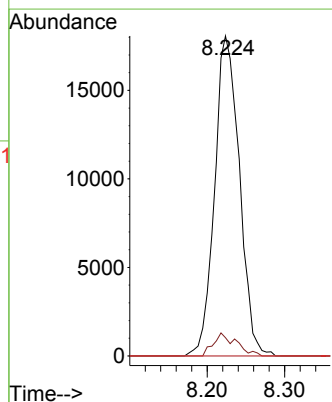
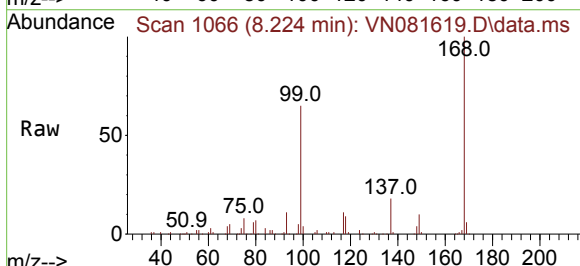
Tgt Ion: 117 Resp: 40149

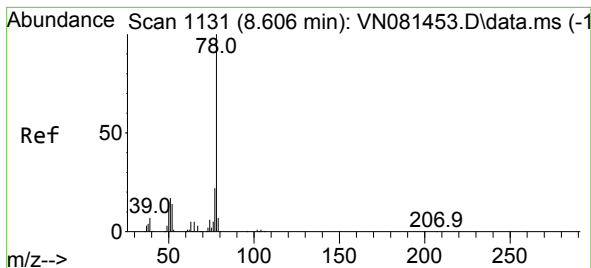
Ion Ratio Lower Upper

117 100

119 5.7 73.4 110.2#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 20.292 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

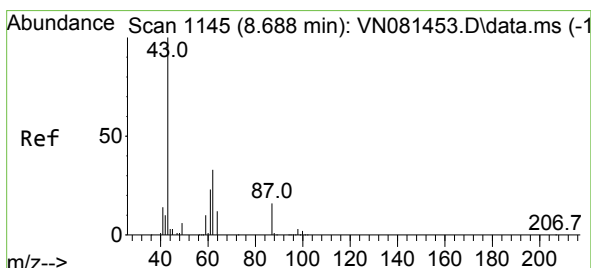
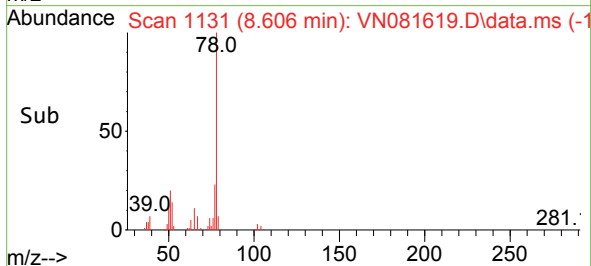
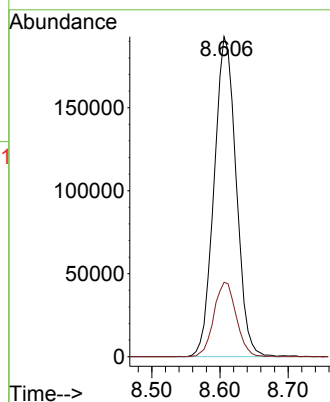
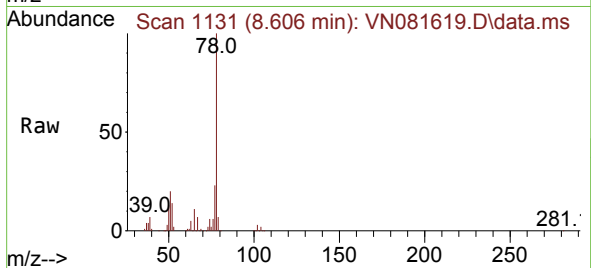
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Tgt Ion: 78 Resp: 434574

Ion Ratio Lower Upper

78 100

77 23.2 20.4 30.6



#43

Isopropyl Acetate

Concen: 0.464 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

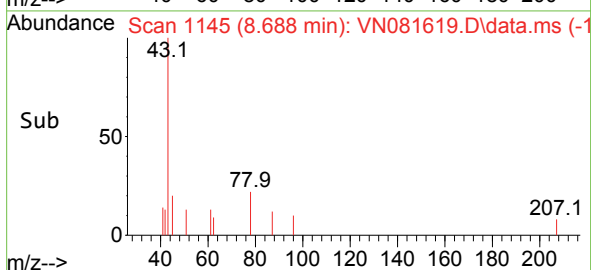
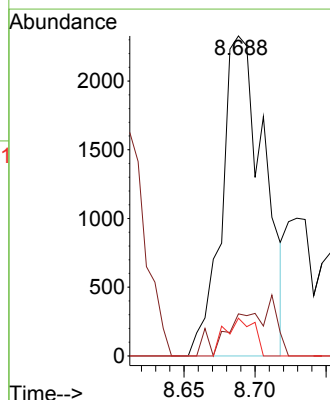
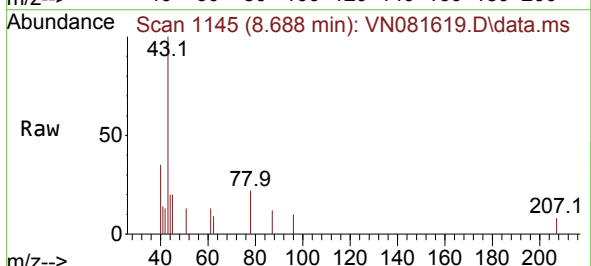
Tgt Ion: 43 Resp: 4820

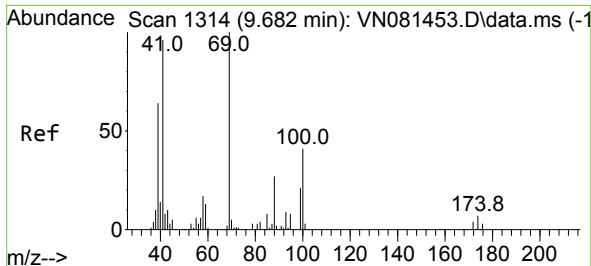
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

87 8.1 9.0 13.6#

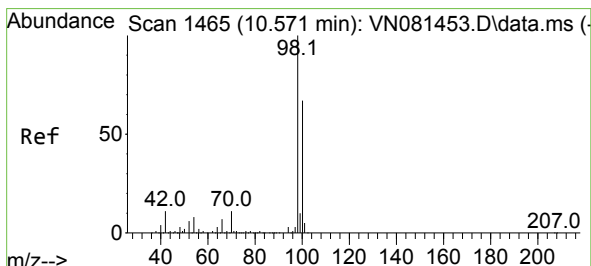
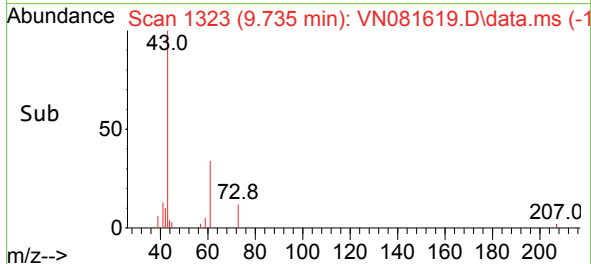
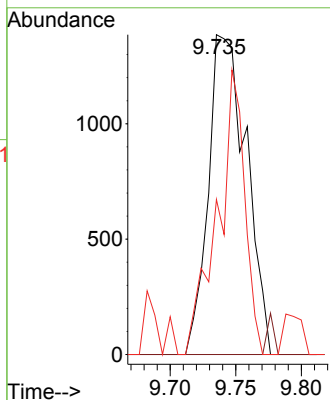
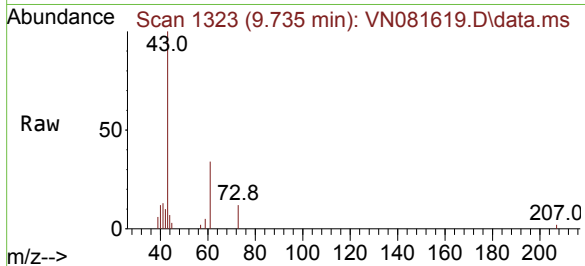




#48
Methyl methacrylate
Concen: 0.583 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

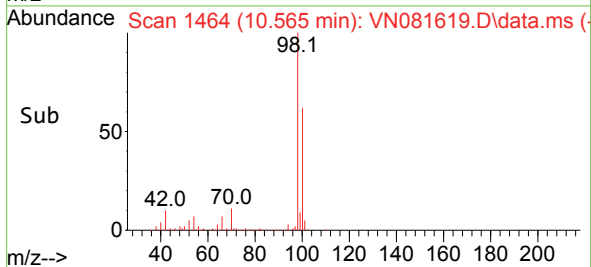
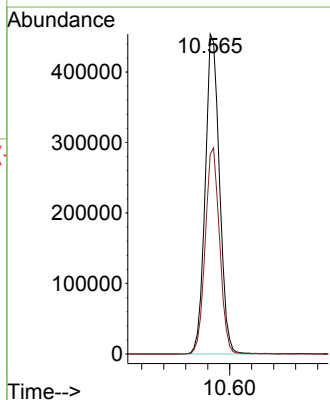
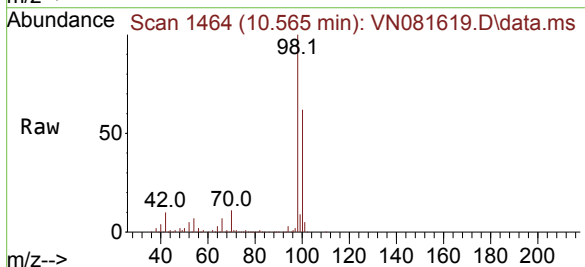
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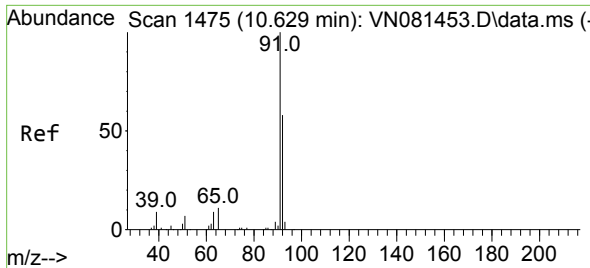
Tgt Ion: 41 Resp: 2797
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 63.5 47.6 71.4



#50
Toluene-d8
Concen: 51.869 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 98 Resp: 816139
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

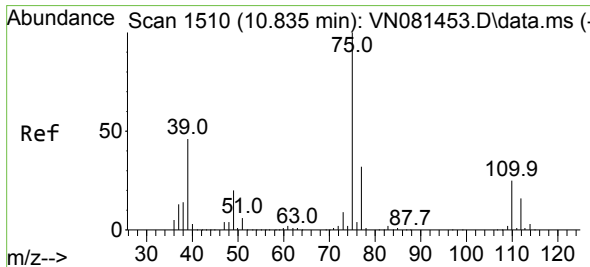
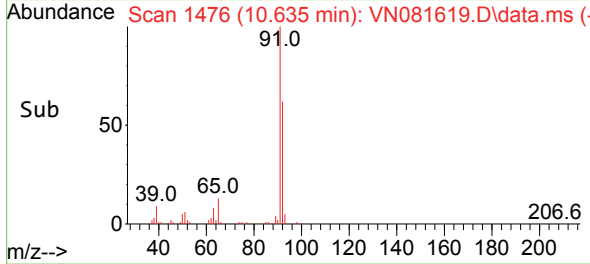
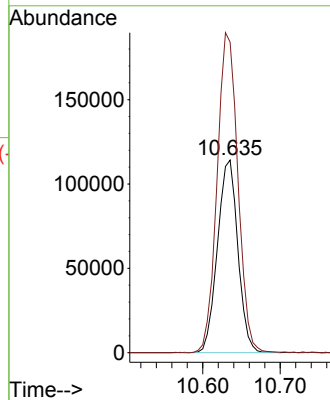
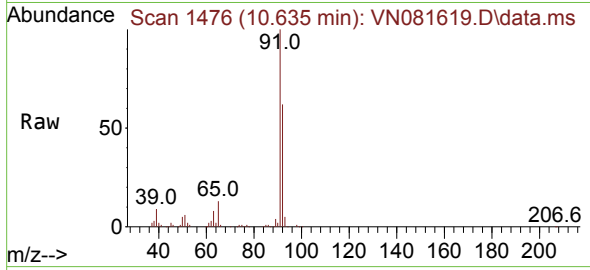




#52
Toluene
Concen: 15.357 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

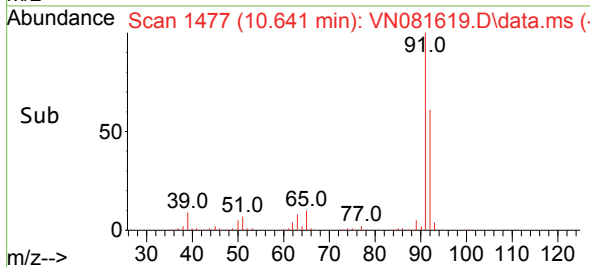
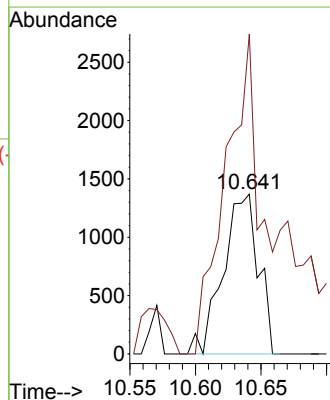
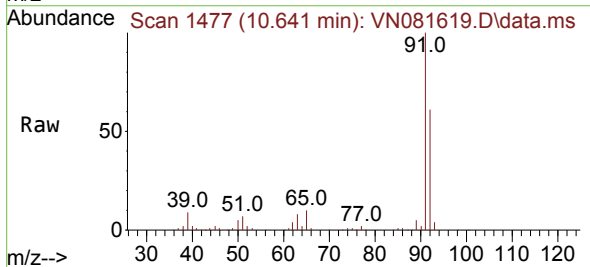
Instrument :
MSVOA_N
ClientSampleId :
S-18

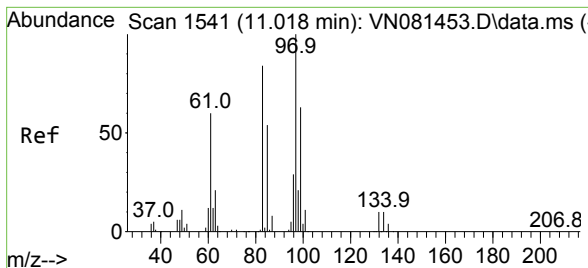
Tgt Ion: 92 Resp: 209039
Ion Ratio Lower Upper
92 100
91 169.1 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.308 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. -0.194 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 75 Resp: 2563
Ion Ratio Lower Upper
75 100
77 200.1 25.5 38.3#





#55

1,1,2-Trichloroethane

Concen: 0.301 ug/l

RT: 10.888 min Scan# 1493

Delta R.T. -0.129 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 97 Resp: 1648

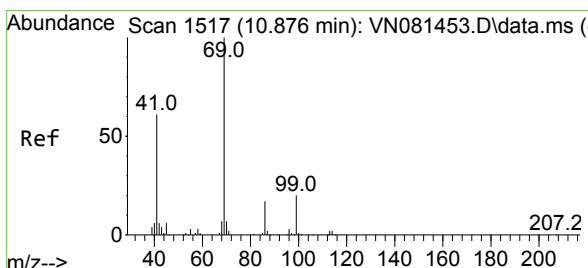
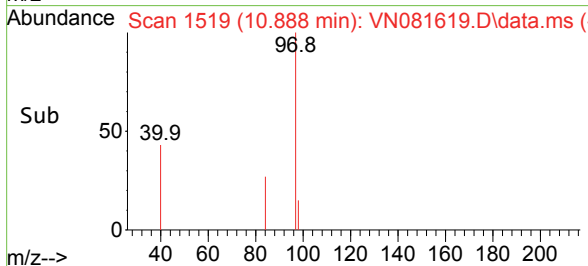
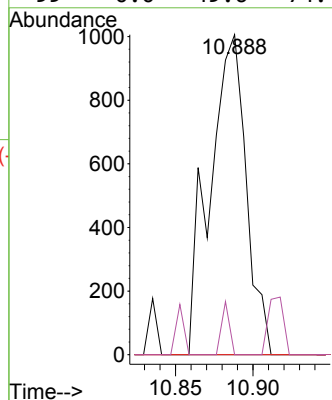
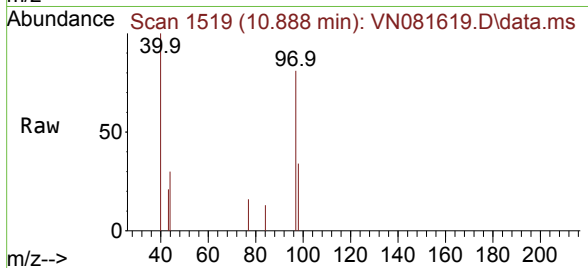
Ion Ratio Lower Upper

97 100

83 0.0 72.9 109.3#

85 0.0 50.2 75.2#

99 0.0 49.6 74.4#



#56

Ethyl methacrylate

Concen: 0.598 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.141 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

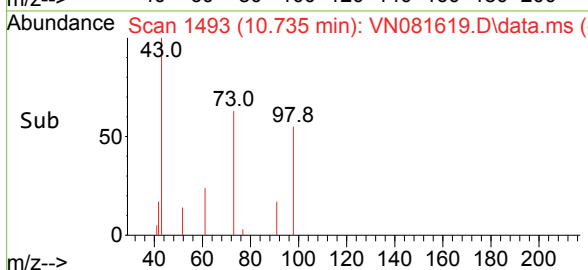
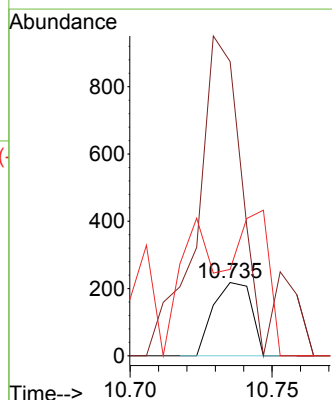
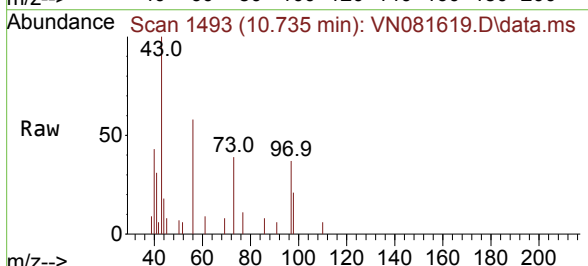
Tgt Ion: 69 Resp: 203

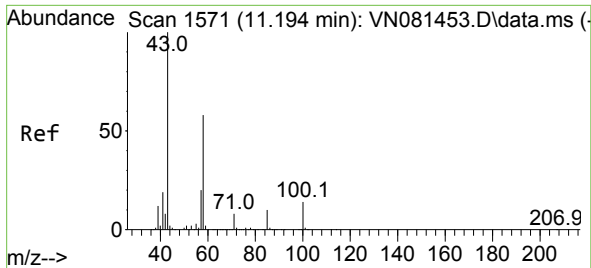
Ion Ratio Lower Upper

69 100

41 578.8 61.0 91.6#

39 0.0 31.8 47.6#

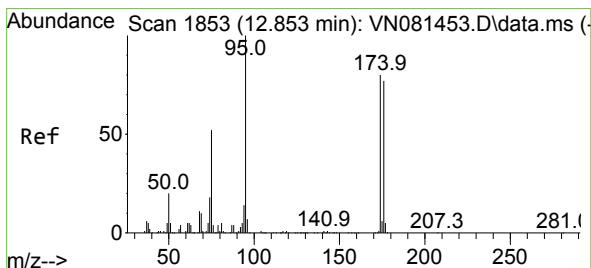
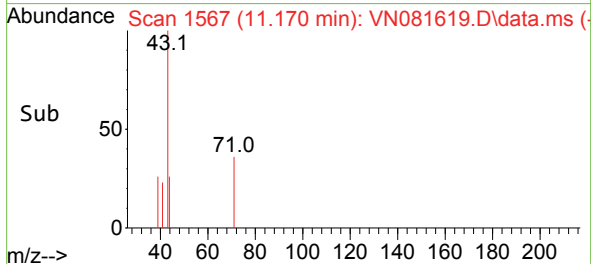
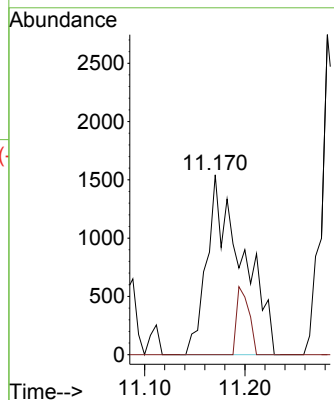
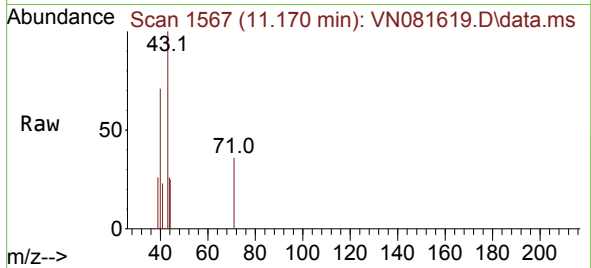




#59
2-Hexanone
Concen: 0.805 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

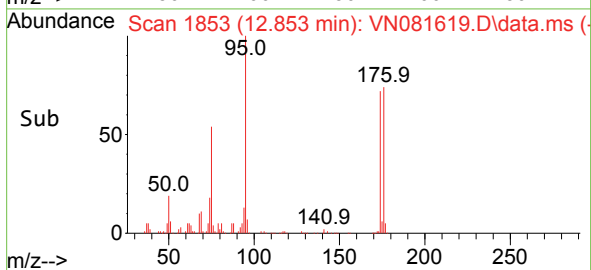
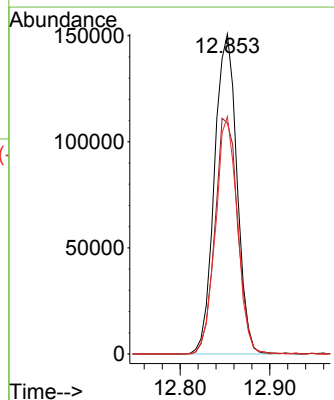
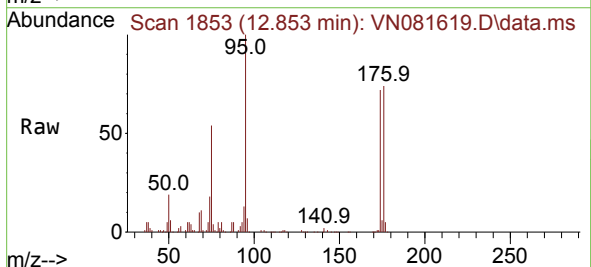
Instrument :
MSVOA_N
ClientSampleId :
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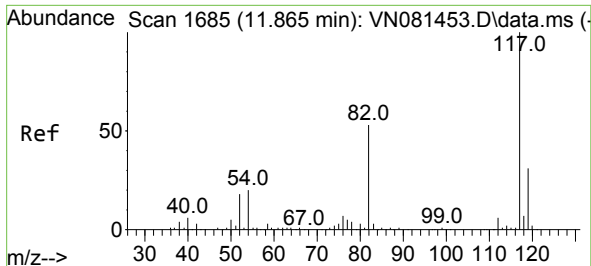
Tgt Ion: 43 Resp: 3775
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.199 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 95 Resp: 261684
Ion Ratio Lower Upper
95 100
174 75.1 0.0 120.4
176 72.3 0.0 121.0

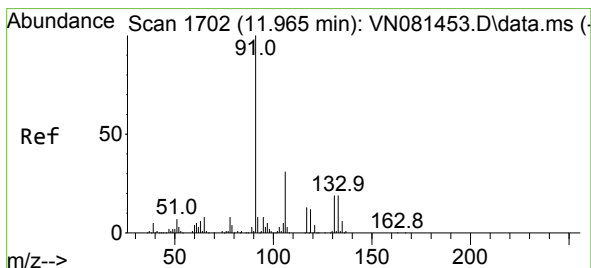
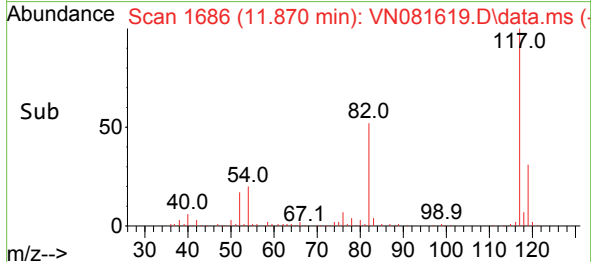
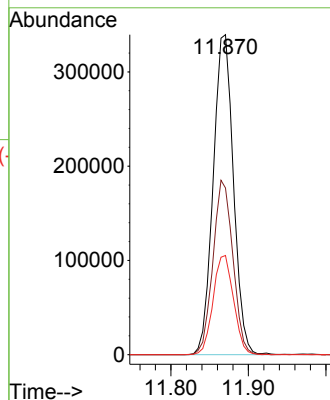
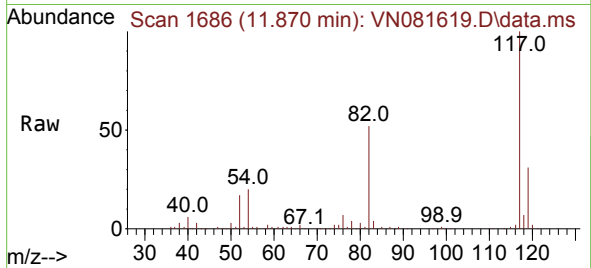




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

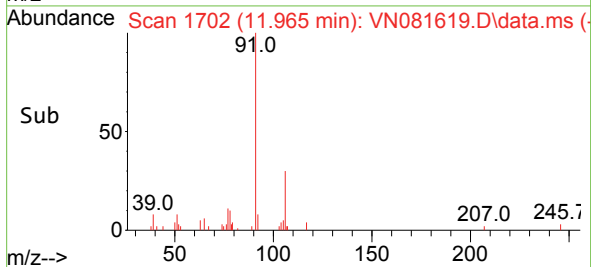
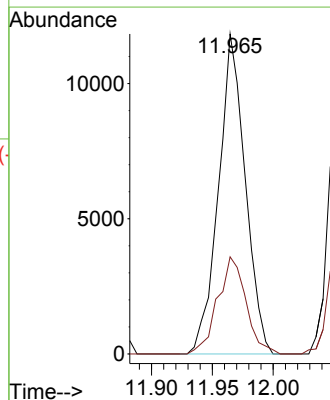
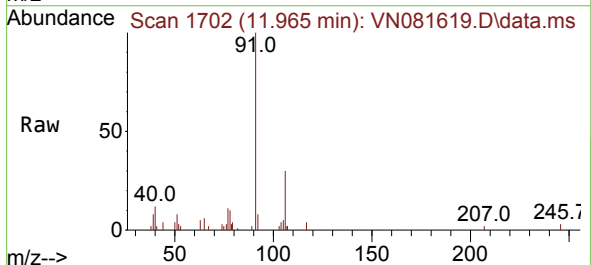
Instrument :
MSVOA_N
ClientSampleId :
S-18

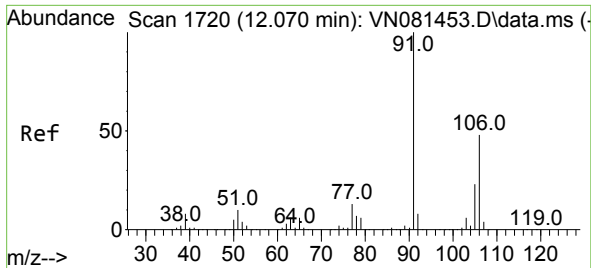
Tgt Ion:117 Resp: 616881
Ion Ratio Lower Upper
117 100
82 52.1 52.7 79.1#
119 31.0 25.3 37.9



#67
Ethyl Benzene
Concen: 0.715 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 91 Resp: 18106
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

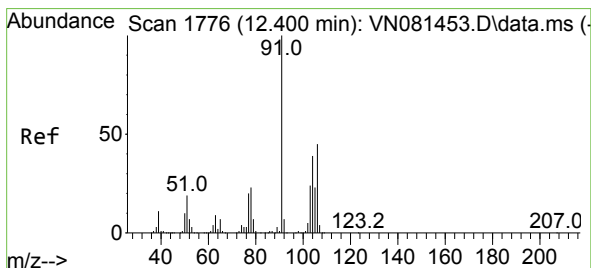
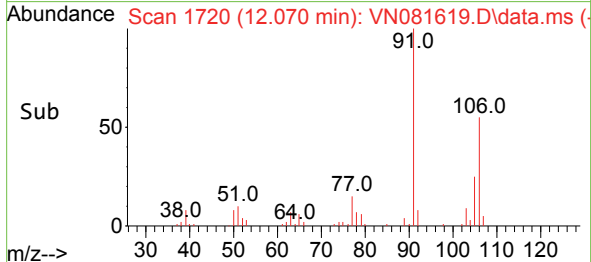
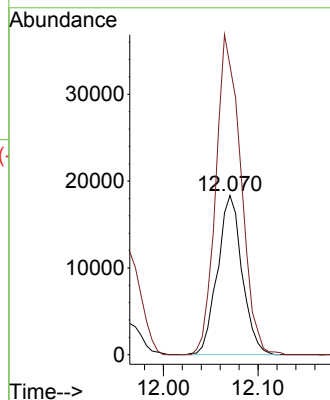
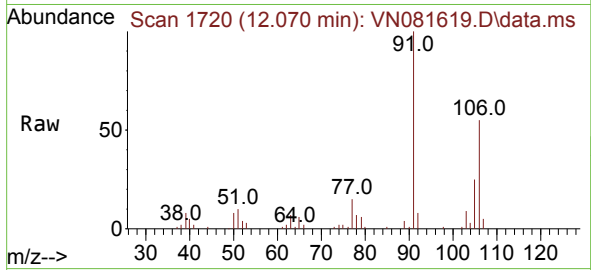




#68
m/p-Xylenes
Concen: 3.489 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

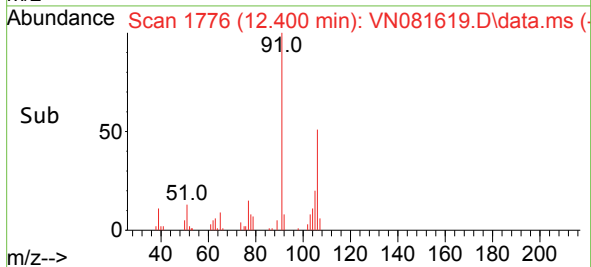
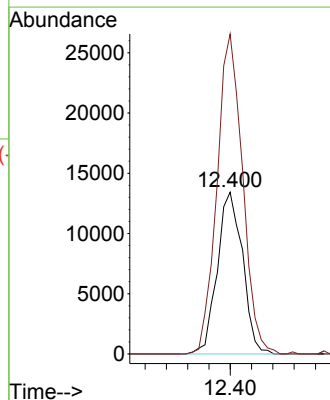
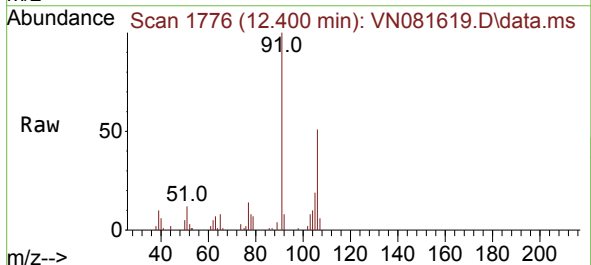
Instrument :
MSVOA_N
ClientSampleId :
S-18

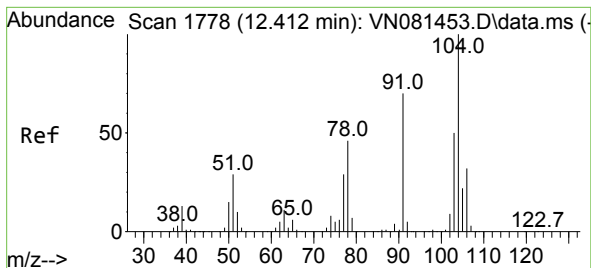
Tgt Ion:106 Resp: 33134
Ion Ratio Lower Upper
106 100
91 204.5 169.0 253.6



#69
o-Xylene
Concen: 2.369 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion:106 Resp: 22088
Ion Ratio Lower Upper
106 100
91 200.7 112.1 336.3





#70

Styrene

Concen: 0.463 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

S-18

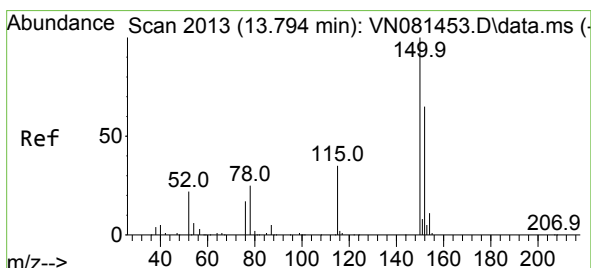
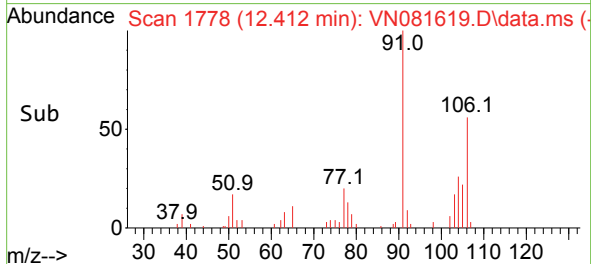
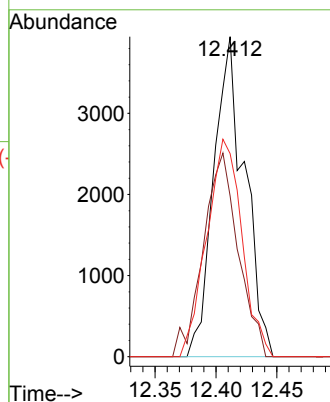
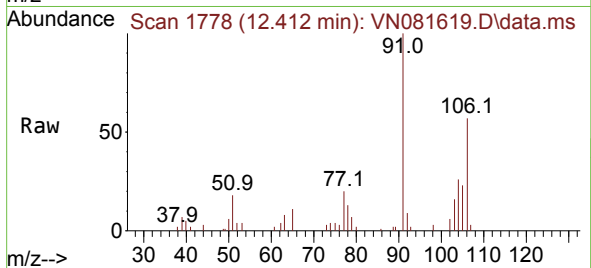
Tgt Ion:104 Resp: 6968

Ion Ratio Lower Upper

104 100

78 71.8 43.8 65.8#

103 77.4 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081619.D

Acq: 29 Mar 2024 16:41

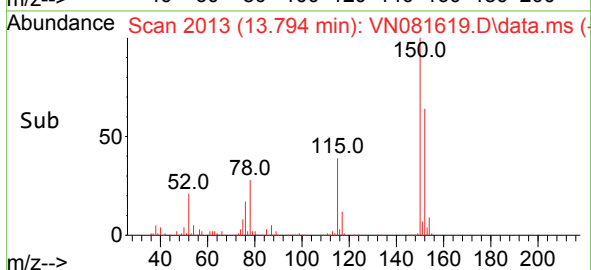
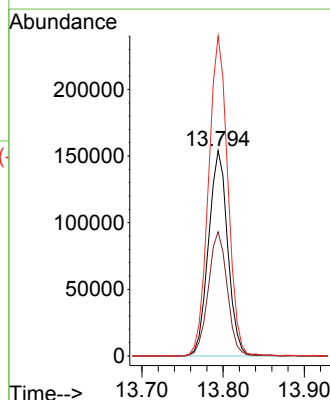
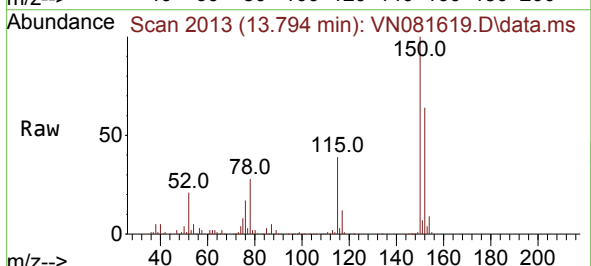
Tgt Ion:152 Resp: 252542

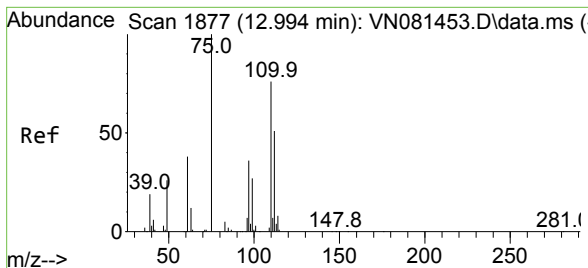
Ion Ratio Lower Upper

152 100

115 59.6 32.3 96.8

150 156.8 0.0 339.8

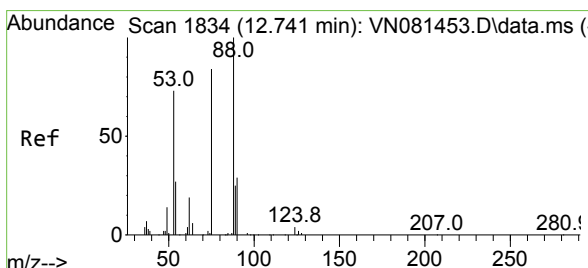
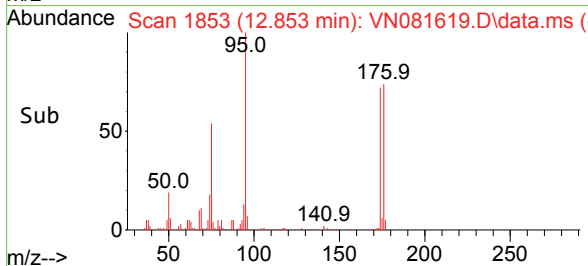
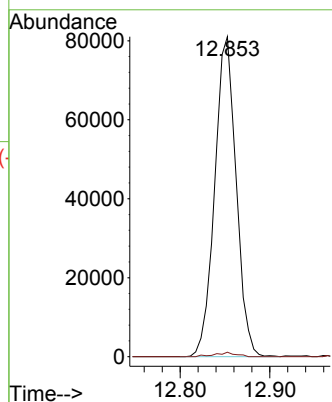
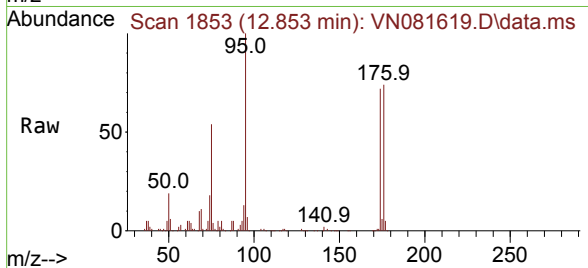




#76
1,2,3-Trichloropropane
Concen: 22.267 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

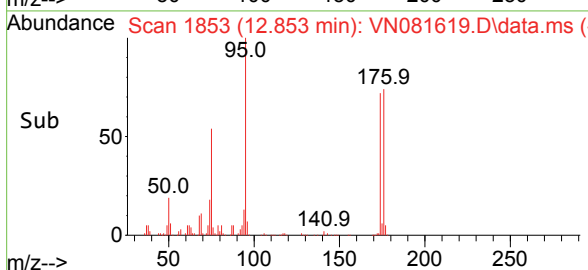
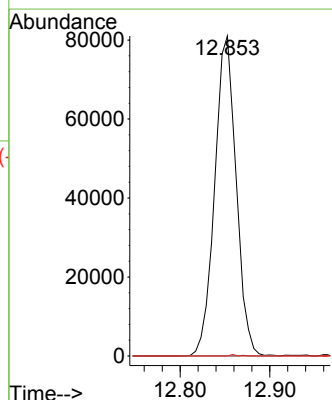
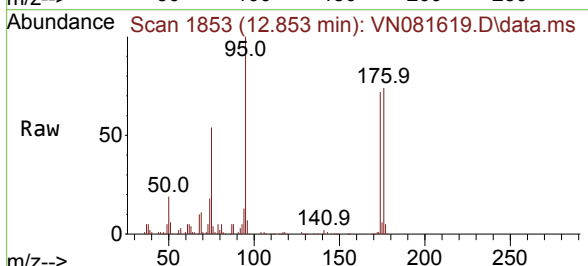
Instrument :
MSVOA_N
ClientSampleId :
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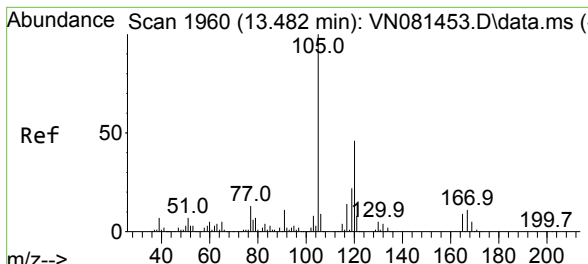
Tgt Ion: 75 Resp: 134515
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Tgt Ion: 75 Resp: 134515
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

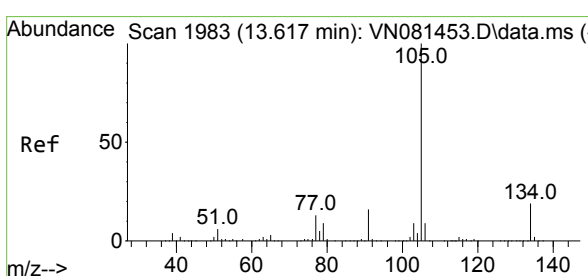
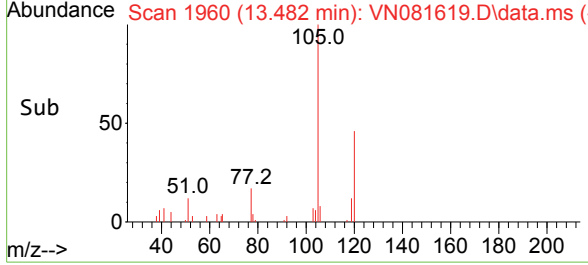
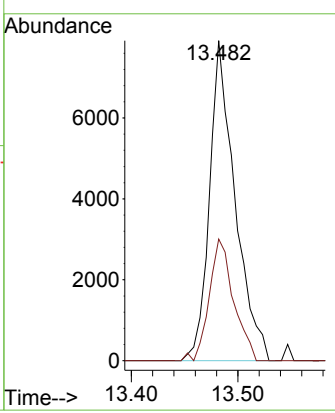
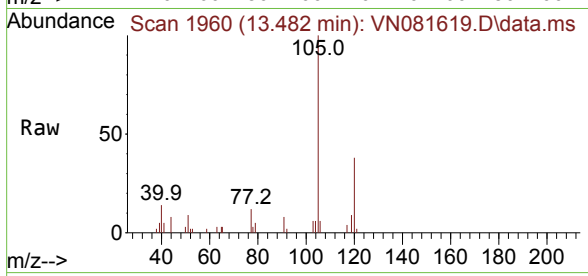




#84
 1,2,4-Trimethylbenzene
 Concen: 0.736 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN081619.D
 Acq: 29 Mar 2024 16:41

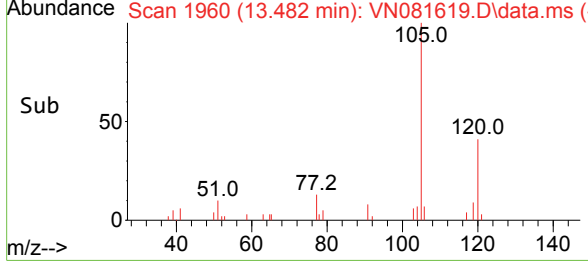
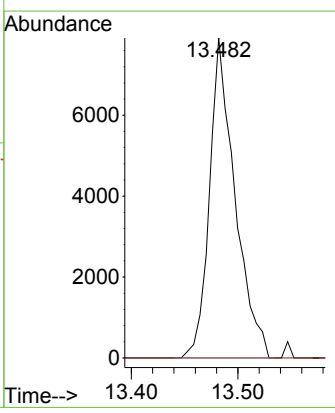
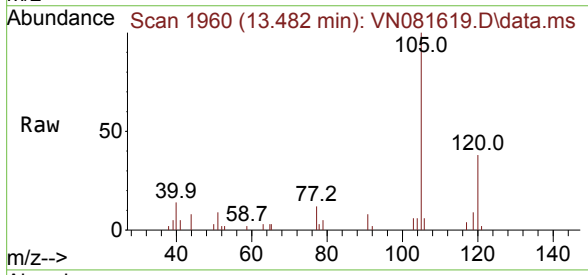
Instrument : MSVOA_N
 ClientSampleId : S-18

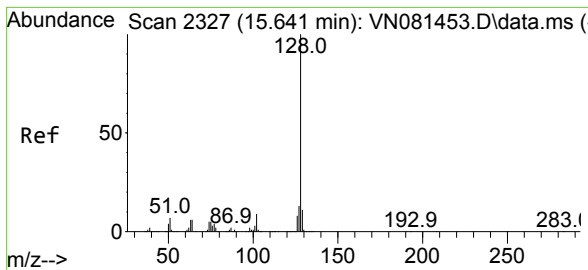
Tgt Ion:	105	Resp:	13153
Ion Ratio	Lower	Upper	
105	100		
120	36.3	20.9	62.7



#85
 sec-Butylbenzene
 Concen: 0.600 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN081619.D
 Acq: 29 Mar 2024 16:41

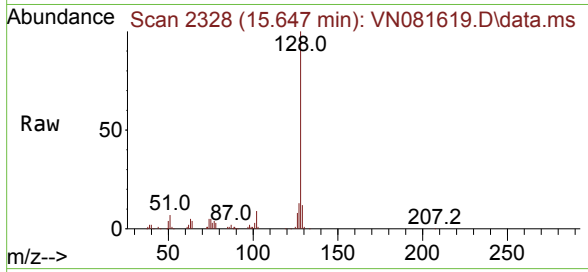
Tgt Ion:	105	Resp:	13153
Ion Ratio	Lower	Upper	
105	100		
134	0.0	8.6	25.8#





#95
Naphthalene
Concen: 8.594 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081619.D
Acq: 29 Mar 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
S-18



Tgt Ion:128 Resp: 151413
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 10.8 8.7 13.1

