

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012624\
 Data File : VN080774.D
 Acq On : 26 Jan 2024 17:00
 Operator : JC\MD
 Sample : P1240-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

Quant Time: Jan 29 02:33:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

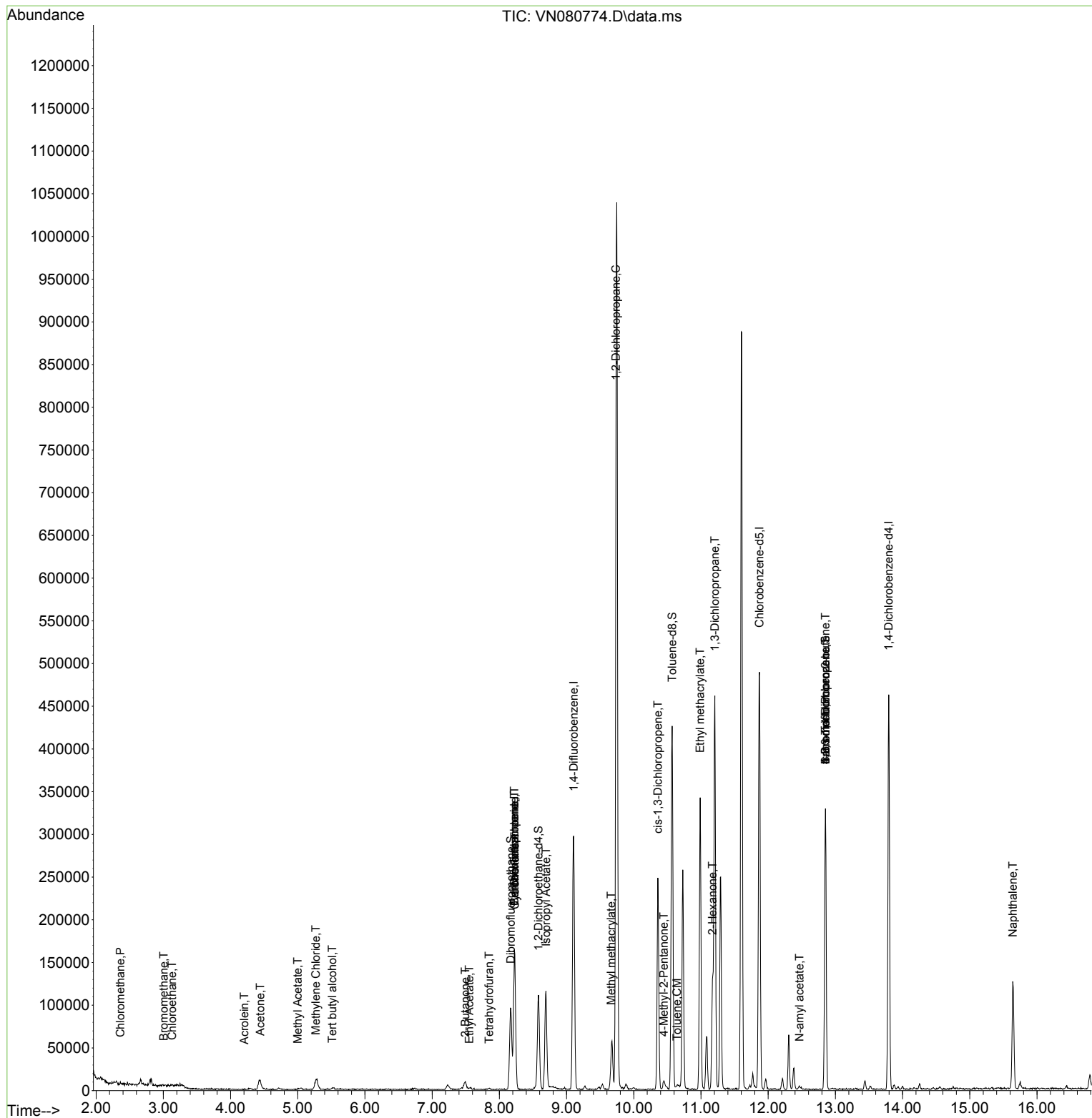
Internal Standards						
1) Pentafluorobenzene	8.224	168	102693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	242094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	258102	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	83251	46.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.320%		
35) Dibromofluoromethane	8.171	113	65667	47.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.480%		
50) Toluene-d8	10.571	98	281272	53.627	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.260%		
62) 4-Bromofluorobenzene	12.853	95	112981	56.173	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2544	0.711	ug/l #	77
5) Bromomethane	3.006	94	158	0.275	ug/l #	4
6) Chloroethane	3.130	64	619	0.433	ug/l #	43
11) Tert butyl alcohol	5.512	59	2500	8.197	ug/l #	79
13) Acrolein	4.206	56	116	0.455	ug/l #	16
16) Acetone	4.442	43	22088	37.307	ug/l	97
18) Methyl Acetate	5.000	43	1180	0.669	ug/l #	42
20) Methylene Chloride	5.271	84	8961	5.185	ug/l #	79
25) 2-Butanone	7.494	43	17245	16.114	ug/l #	75
29) Tetrahydrofuran	7.847	42	954	1.323	ug/l #	39
31) Cyclohexane	8.230	56	3414	1.225	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	11383	4.040	ug/l #	49
37) Ethyl Acetate	7.553	43	3345	1.224	ug/l #	73
38) Carbon Tetrachloride	8.224	117	11611	4.590	ug/l #	18
43) Isopropyl Acetate	8.694	43	135062	26.892	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1475	0.702	ug/l #	45
48) Methyl methacrylate	9.665	41	4923	2.070	ug/l #	26
51) 4-Methyl-2-Pentanone	10.447	43	11905	4.394	ug/l #	66
52) Toluene	10.641	92	1562	0.344	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	41840	12.054	ug/l #	67
56) Ethyl methacrylate	10.988	69	1030	0.329	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4393	1.378	ug/l #	42
59) 2-Hexanone	11.171	43	119809	59.899	ug/l #	19
71) Bromoform	12.853	173	313	0.227	ug/l #	1
74) N-amyl acetate	12.465	43	4108	0.683	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	65338	20.114	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	65338	47.417	ug/l #	15
95) Naphthalene	15.641	128	105169	14.328	ug/l	98

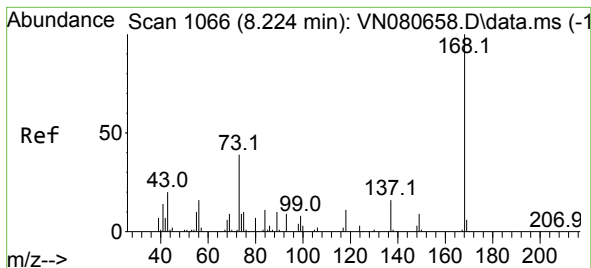
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080774.D

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Instrument :

MSVOA_N

ClientSampleId :

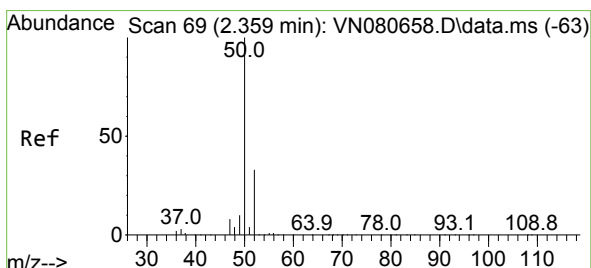
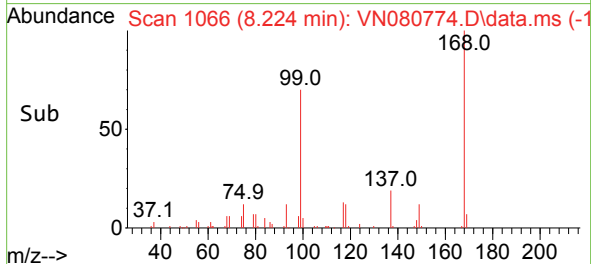
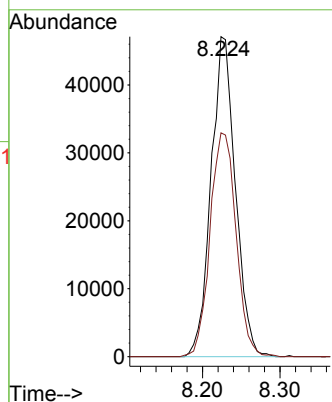
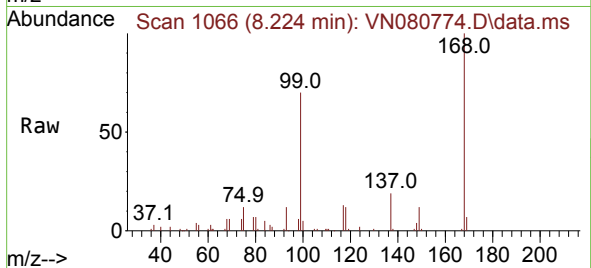
VNJ-223

Tgt Ion:168 Resp: 102693

Ion Ratio Lower Upper

168 100

99 69.9 53.0 79.6



#3

Chloromethane

Concen: 0.711 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080774.D

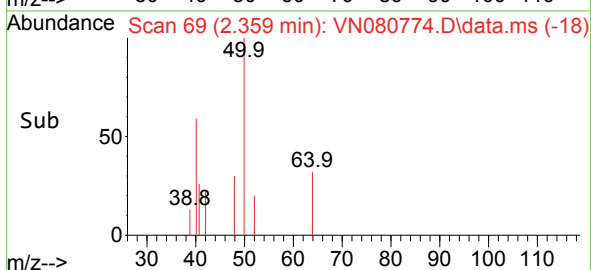
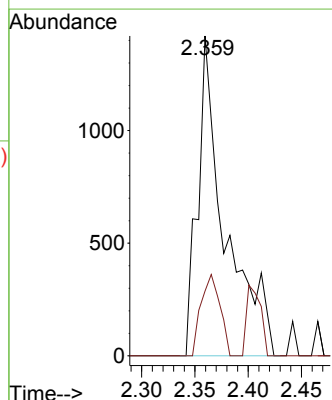
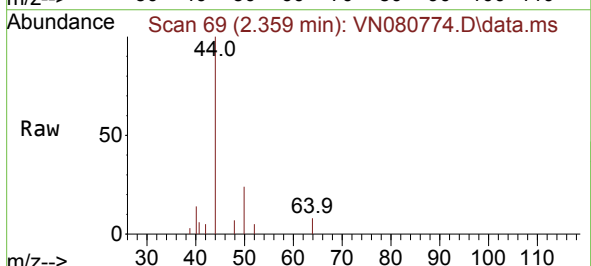
Acq: 26 Jan 2024 17:00

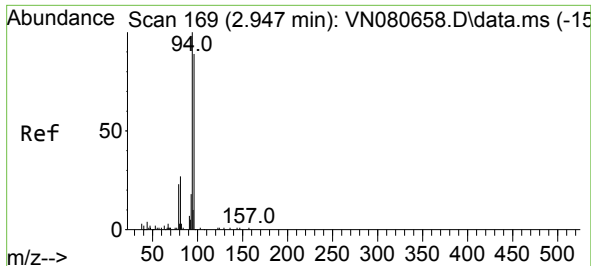
Tgt Ion: 50 Resp: 2544

Ion Ratio Lower Upper

50 100

52 20.2 26.5 39.7#





#5

Bromomethane

Concen: 0.275 ug/l

RT: 3.006 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :

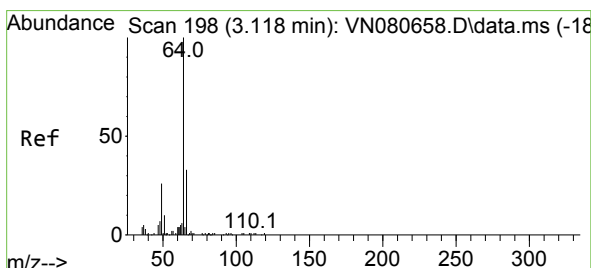
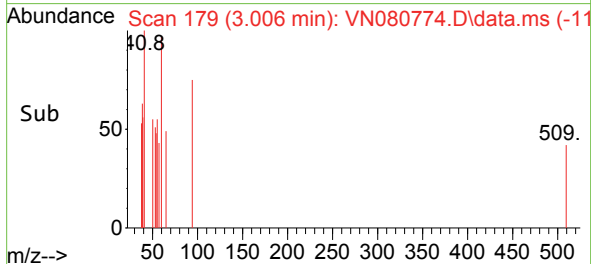
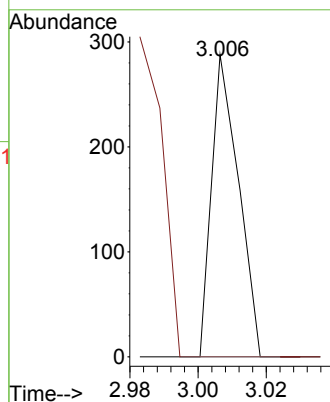
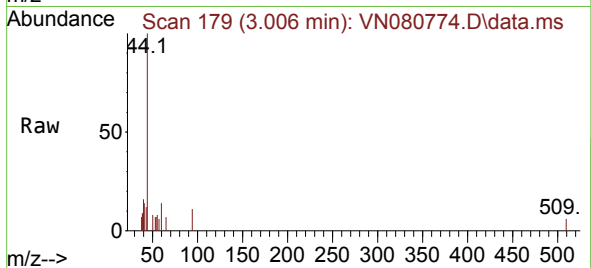
VNJ-223

Tgt Ion: 94 Resp: 158

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: 0.433 ug/l

RT: 3.130 min Scan# 200

Delta R.T. 0.012 min

Lab File: VN080774.D

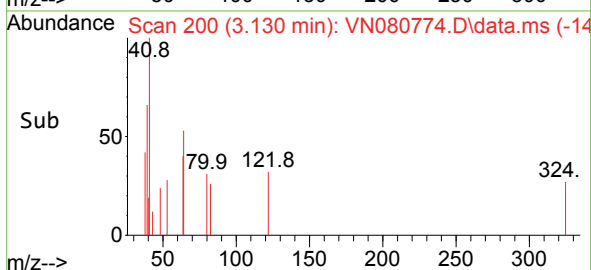
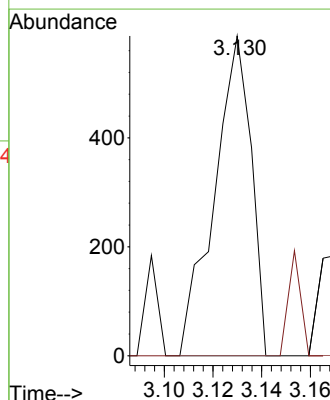
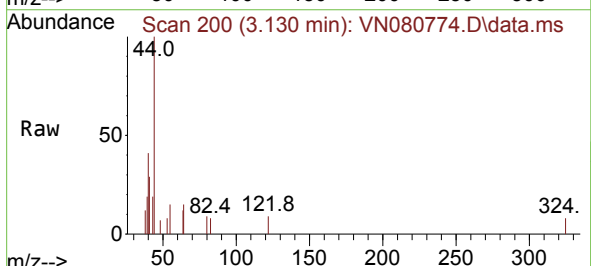
Acq: 26 Jan 2024 17:00

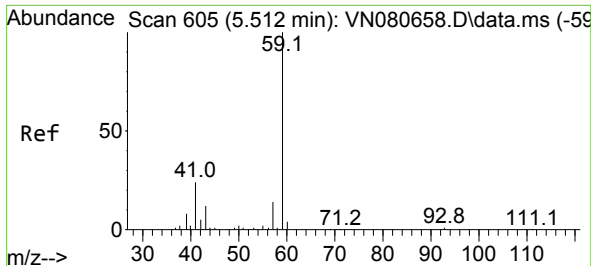
Tgt Ion: 64 Resp: 619

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

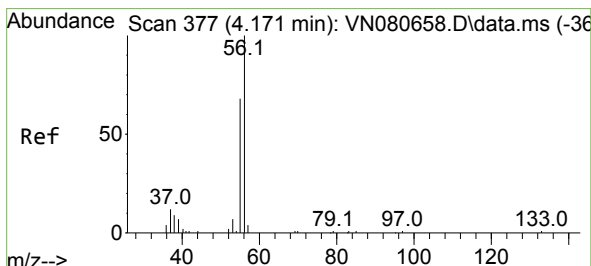
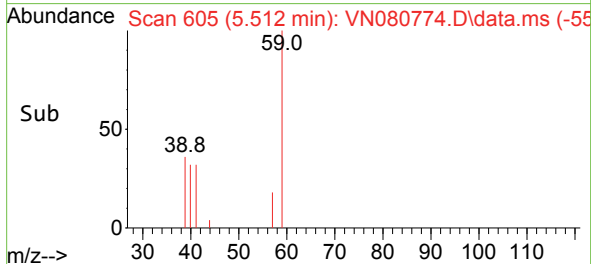
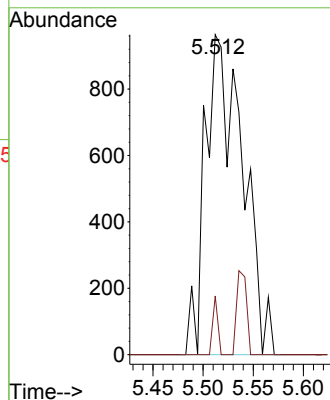
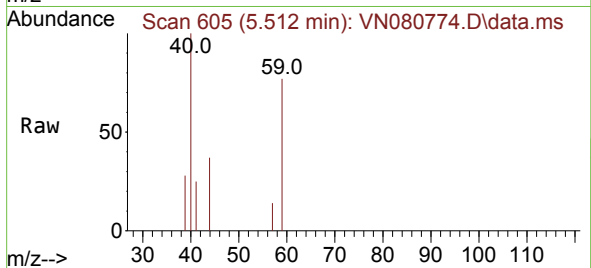




#11
Tert butyl alcohol
Concen: 8.197 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

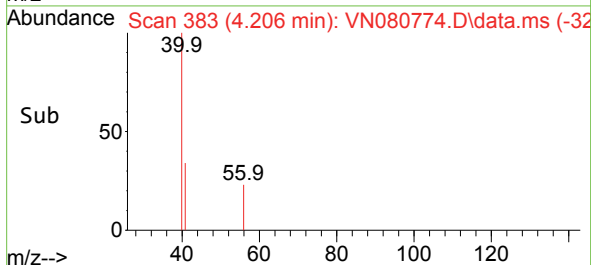
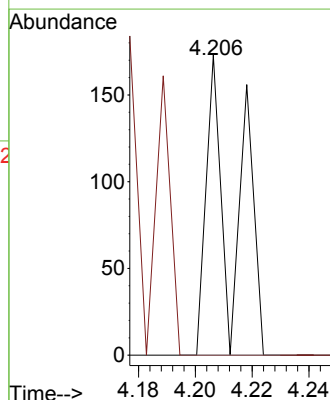
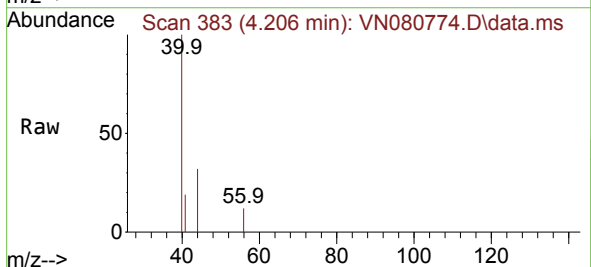
Instrument :
MSVOA_N
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VNJ-223

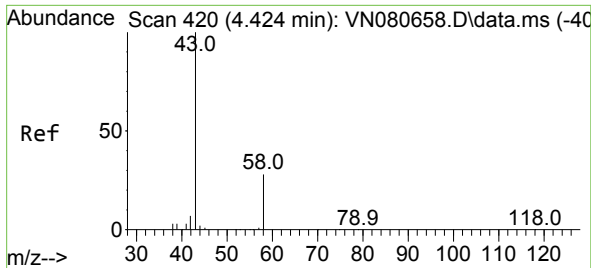
Tgt Ion: 59 Resp: 2500
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.4#



#13
Acrolein
Concen: 0.455 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.035 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

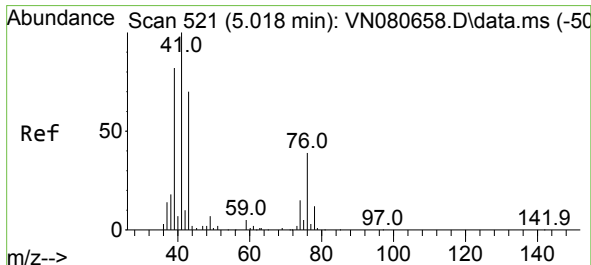
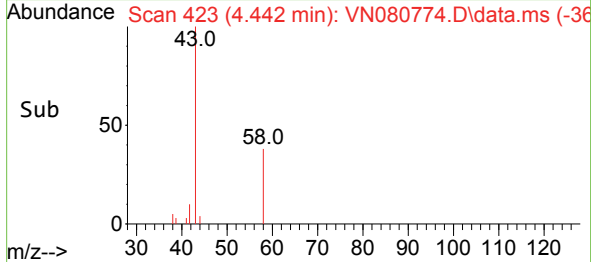
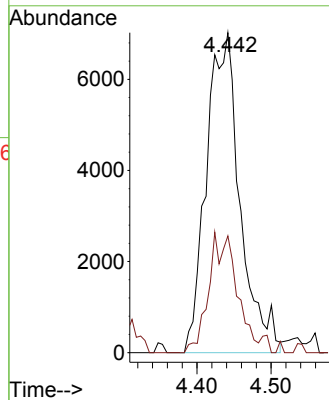
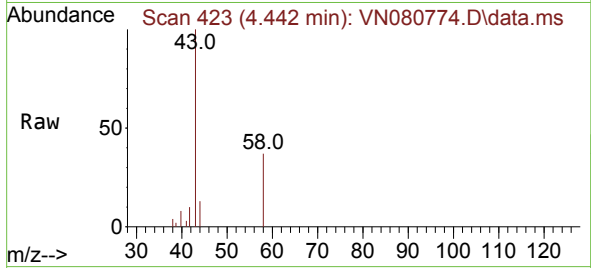




#16
Acetone
Concen: 37.307 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

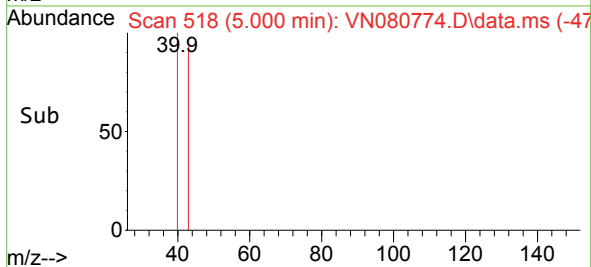
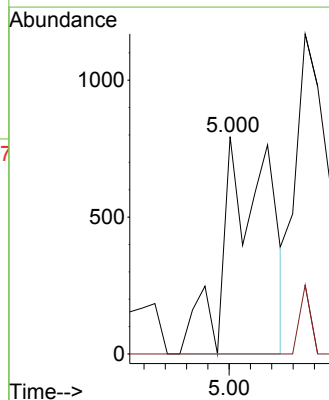
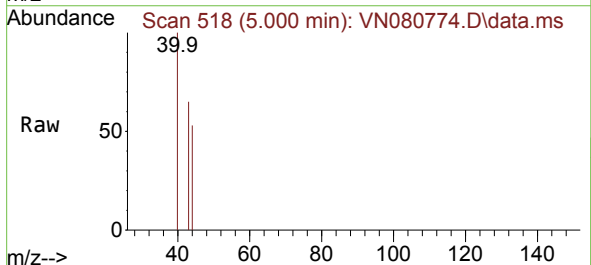
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

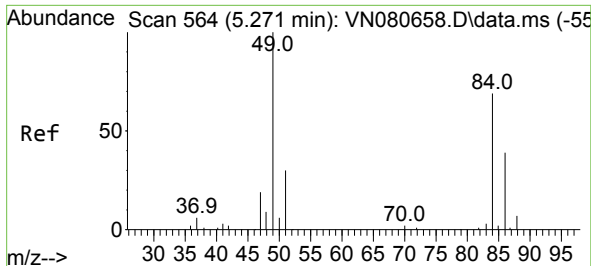
Tgt Ion: 43 Resp: 22088
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.669 ug/l
RT: 5.000 min Scan# 518
Delta R.T. -0.018 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#

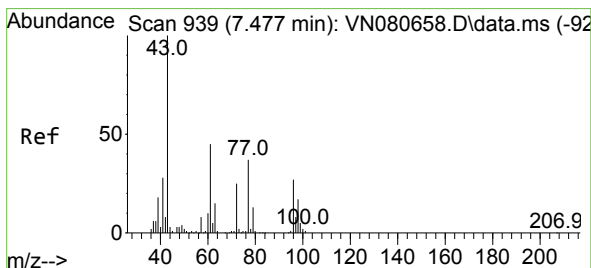
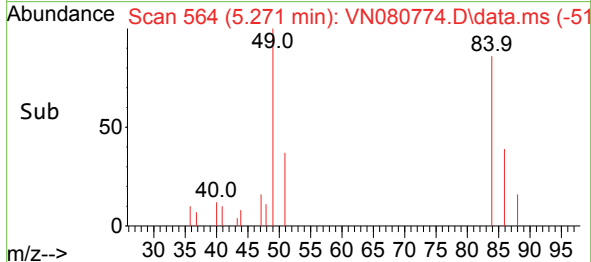
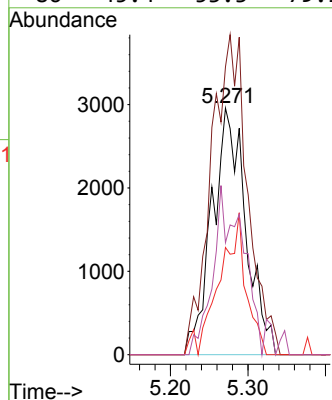
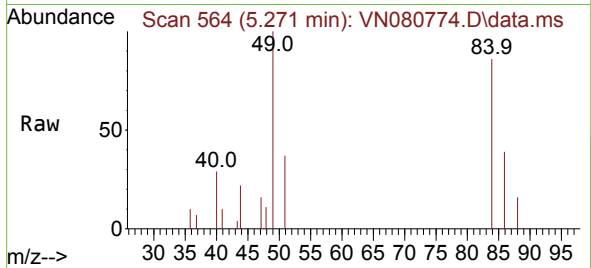




#20
Methylene Chloride
Concen: 5.185 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

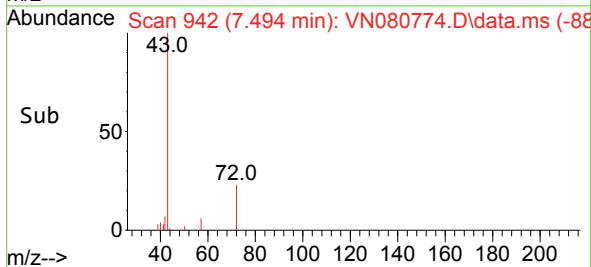
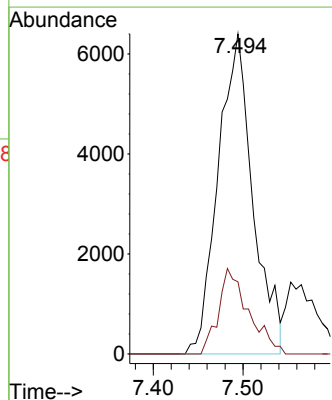
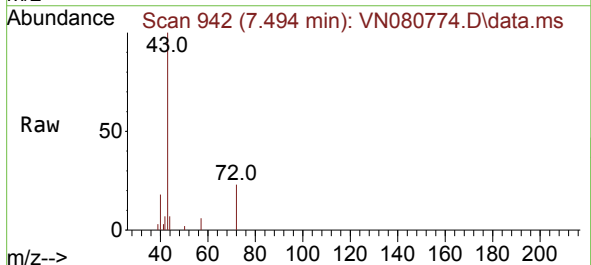
Instrument :
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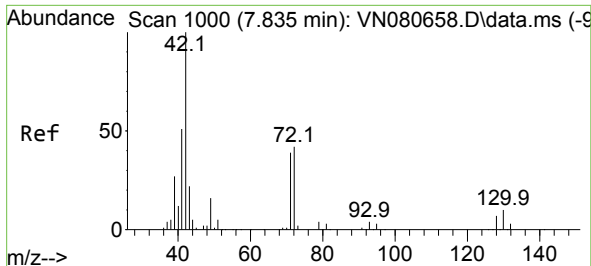
Tgt Ion: 84	Resp:	8961
Ion	Ratio	Lower Upper
84	100	
49	116.7	79.7 119.5
51	43.5	25.2 37.8#
86	45.4	53.3 79.9#



#25
2-Butanone
Concen: 16.114 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 43	Resp:	17245
Ion	Ratio	Lower Upper
43	100	
72	22.6	30.2 45.2#

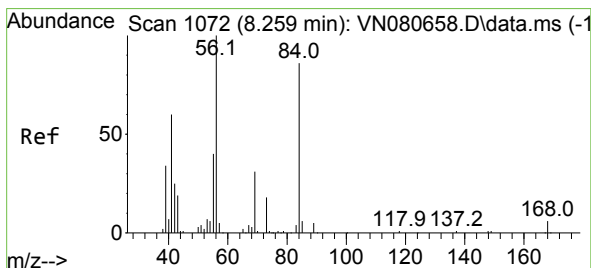
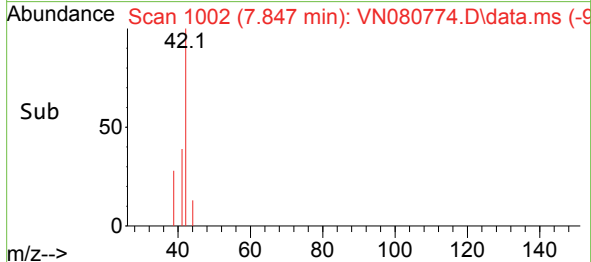
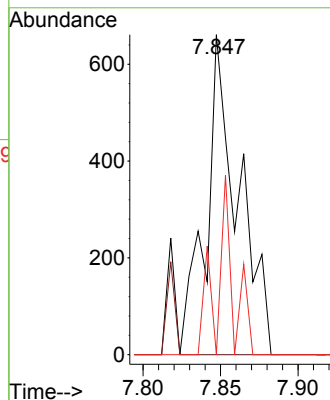
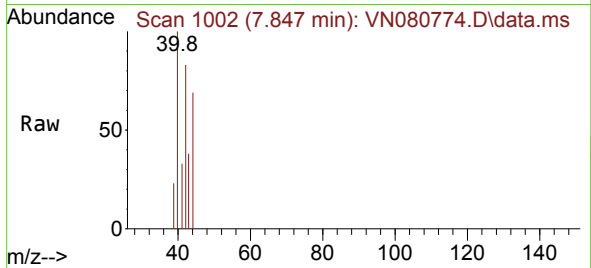




#29
Tetrahydrofuran
Concen: 1.323 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

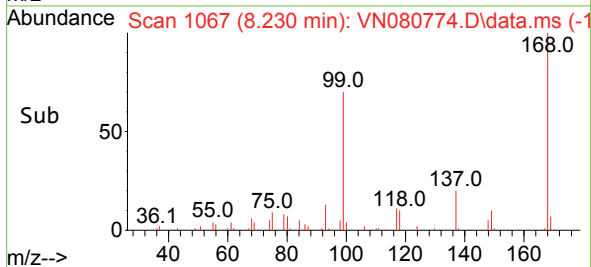
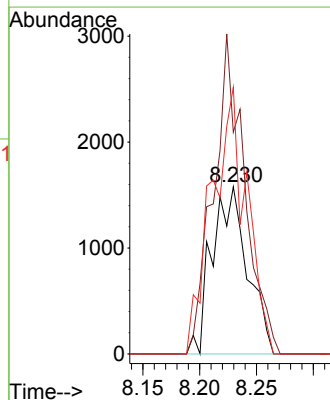
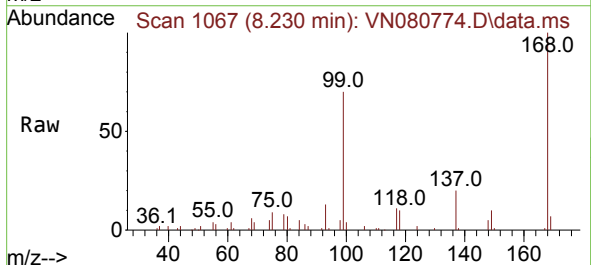
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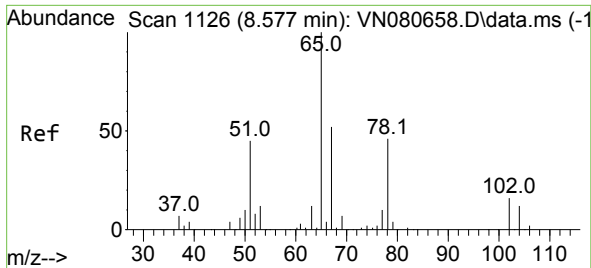
Tgt Ion: 42 Resp: 954
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 28.9 47.4 71.2#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 56 Resp: 3414
Ion Ratio Lower Upper
56 100
69 132.6 26.8 40.2#
84 159.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.164 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :

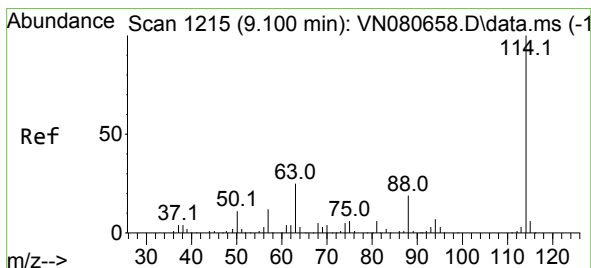
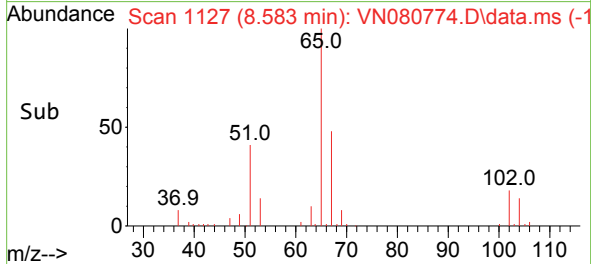
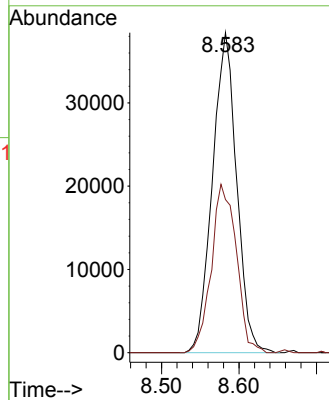
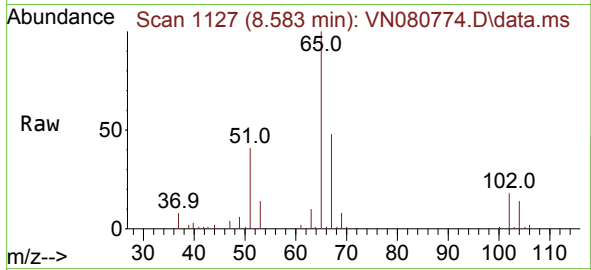
VNJ-223

Tgt Ion: 65 Resp: 83251

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

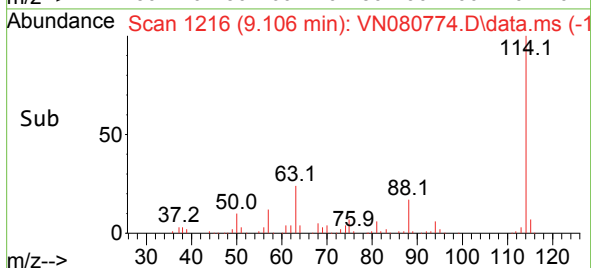
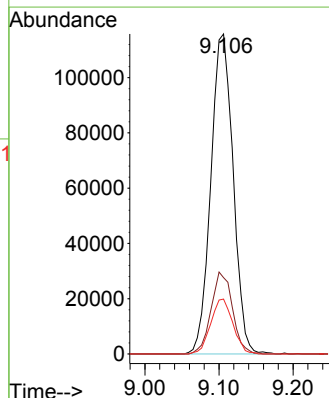
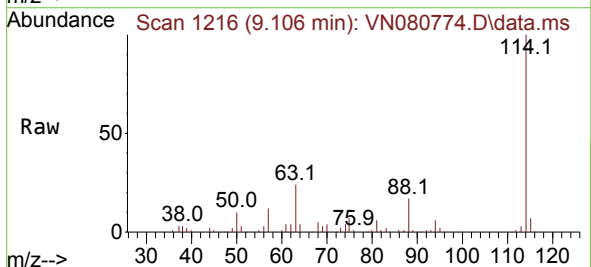
Tgt Ion: 114 Resp: 242094

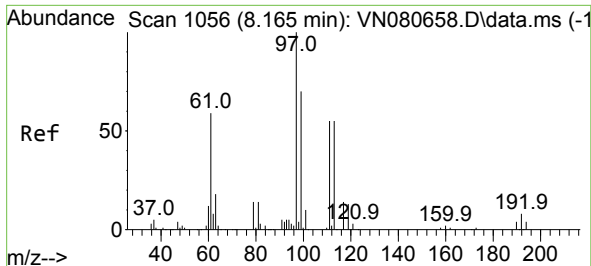
Ion Ratio Lower Upper

114 100

63 23.9 0.0 36.4

88 17.1 0.0 30.6

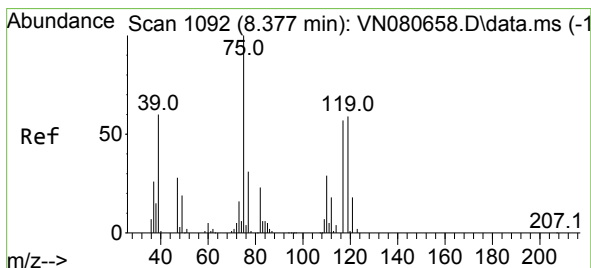
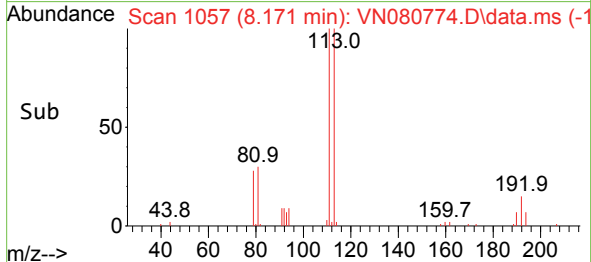
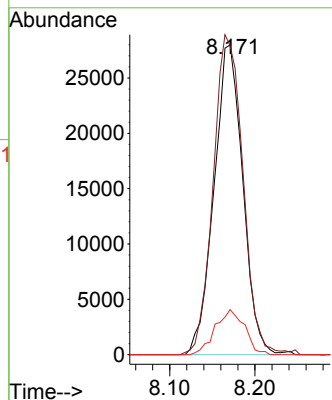
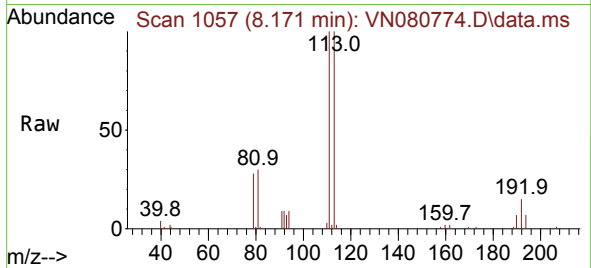




#35
Dibromofluoromethane
Concen: 47.740 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

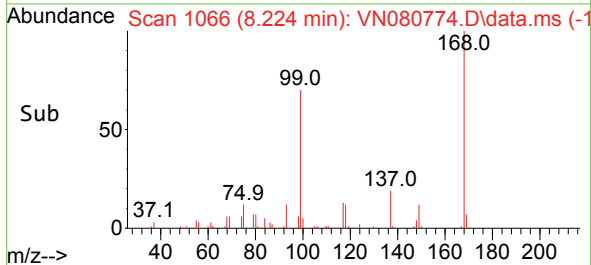
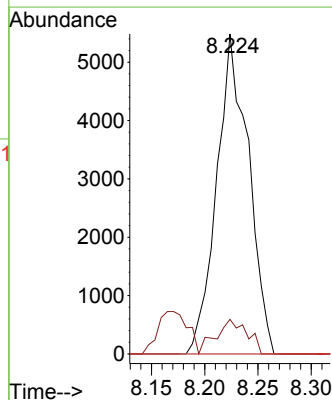
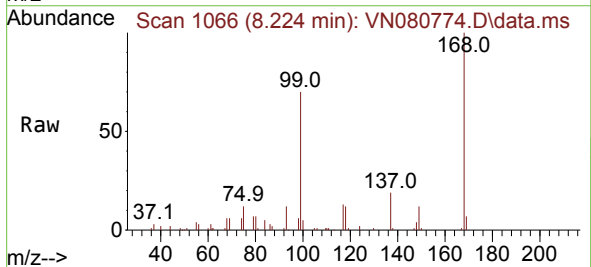
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

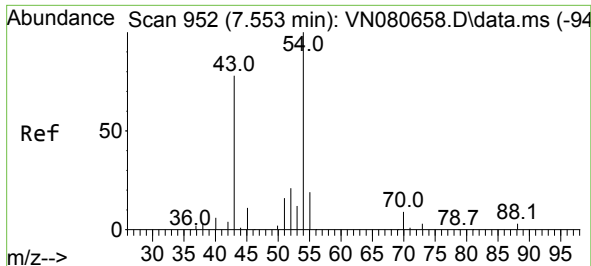
Tgt Ion:113 Resp: 65667
Ion Ratio Lower Upper
113 100
111 106.9 82.6 123.8
192 14.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.040 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 75 Resp: 11383
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#

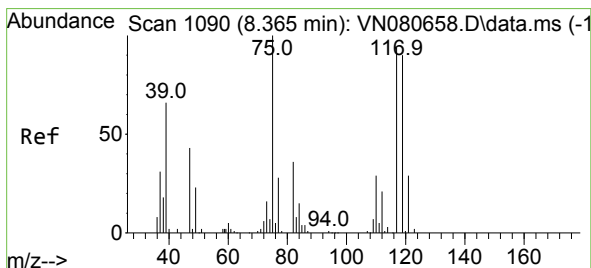
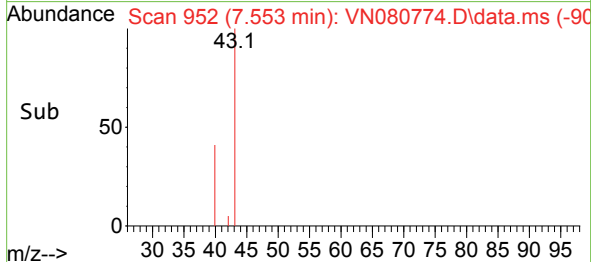
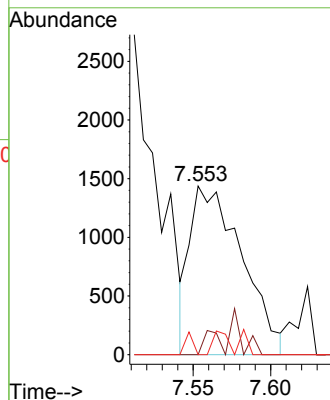
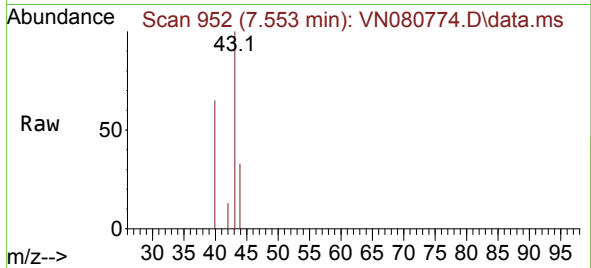




#37
Ethyl Acetate
Concen: 1.224 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

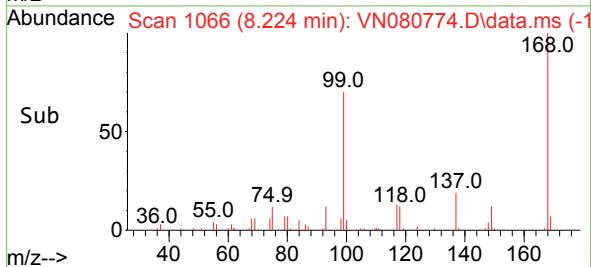
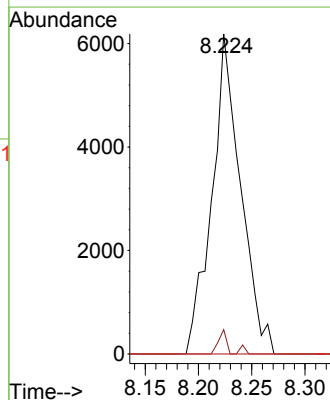
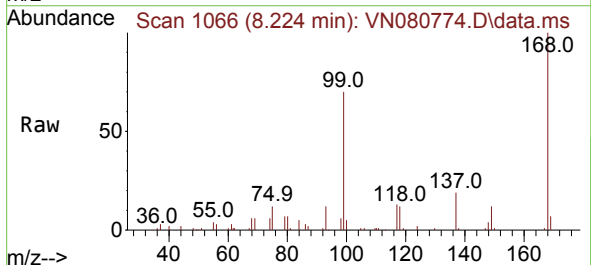
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

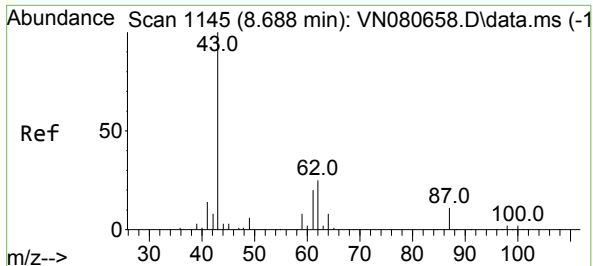
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
61 4.1 13.2 19.8#
70 3.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.590 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 117 Resp: 11611
Ion Ratio Lower Upper
117 100
119 7.6 77.3 115.9#
121 0.0 23.3 34.9#

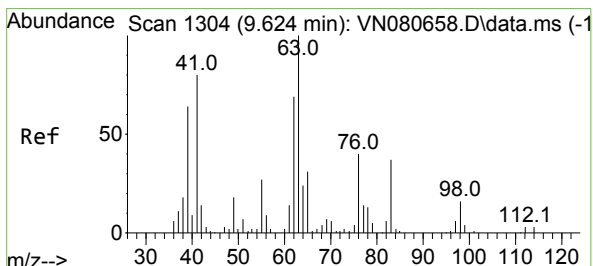
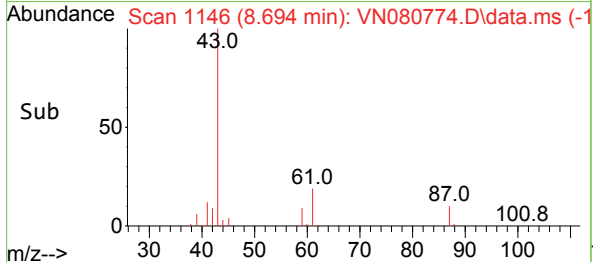
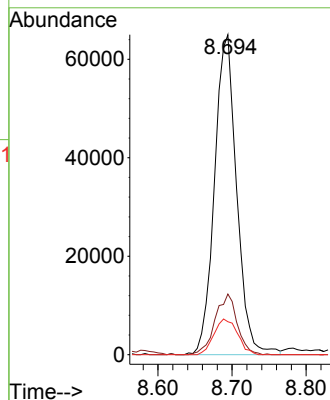
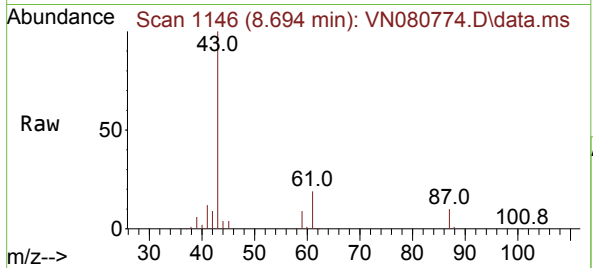




#43
Isopropyl Acetate
Concen: 26.892 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

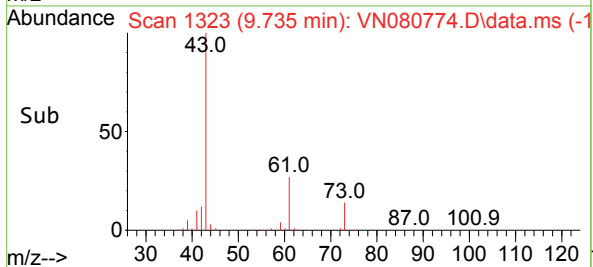
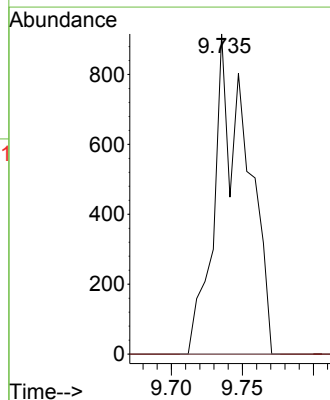
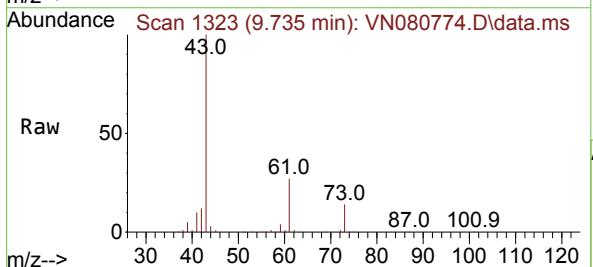
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

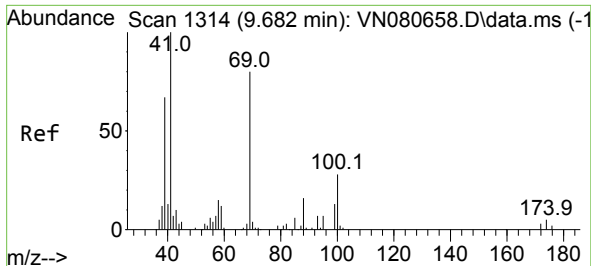
Tgt Ion: 43 Resp: 135062
Ion Ratio Lower Upper
43 100
61 19.0 24.7 37.1#
87 11.9 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.702 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 63 Resp: 1475
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

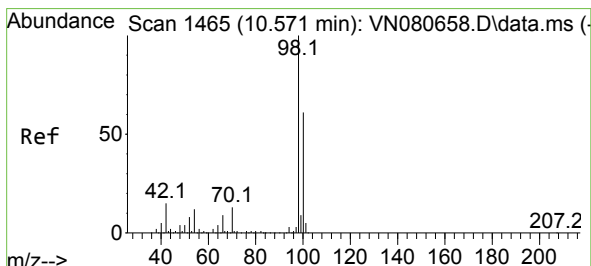
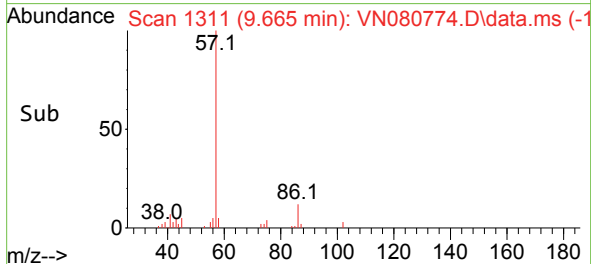
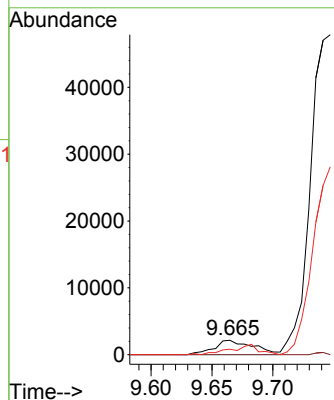
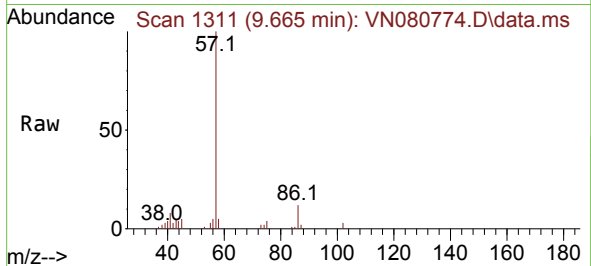




#48
Methyl methacrylate
Concen: 2.070 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

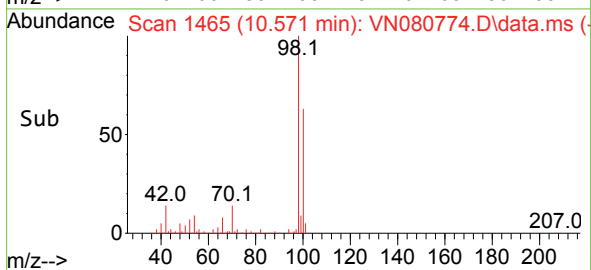
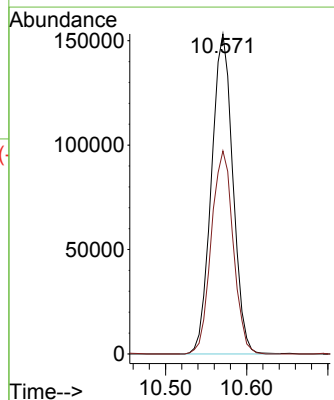
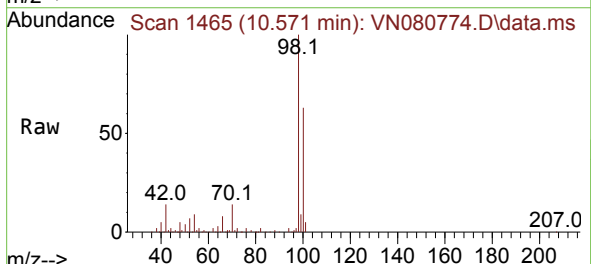
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

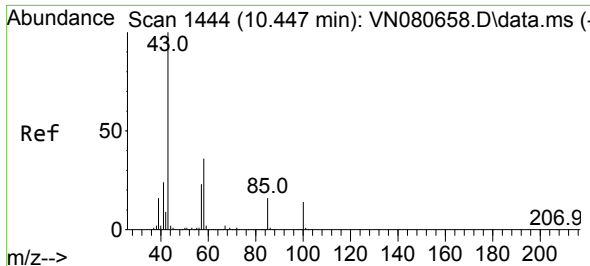
Tgt Ion: 41 Resp: 4923
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 49.5 54.6 81.8#



#50
Toluene-d8
Concen: 53.627 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 98 Resp: 281272
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

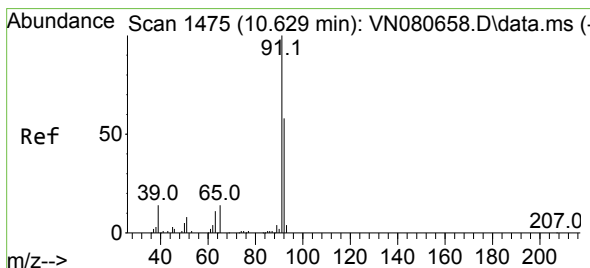
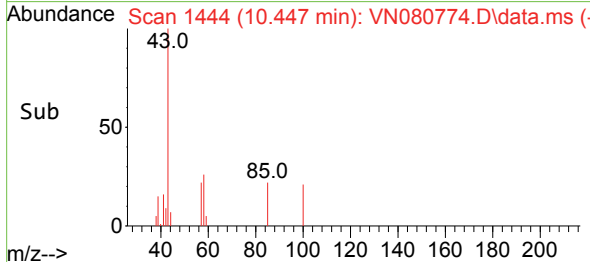
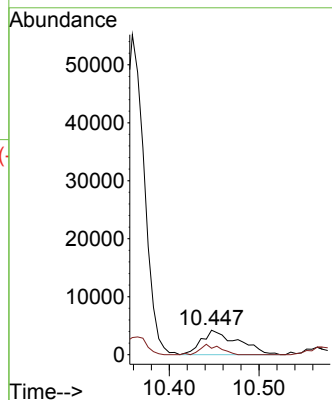
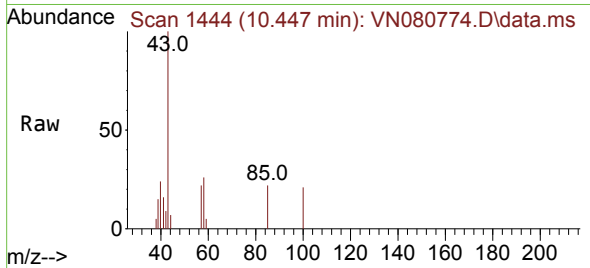




#51
4-Methyl-2-Pentanone
Concen: 4.394 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

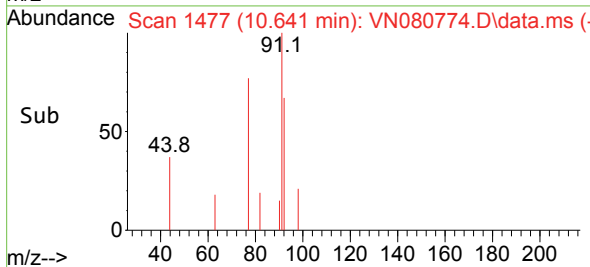
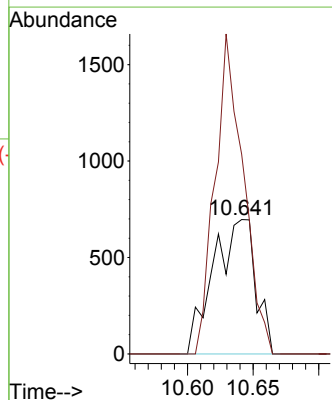
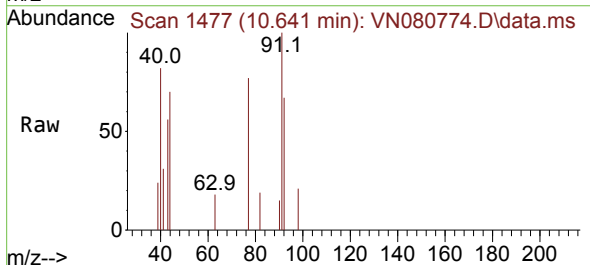
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

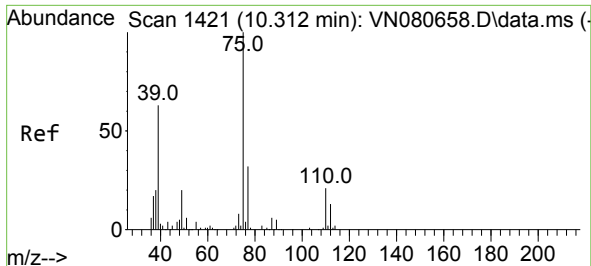
Tgt Ion: 43 Resp: 11905
Ion Ratio Lower Upper
43 100
58 23.1 36.6 54.8#



#52
Toluene
Concen: 0.344 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 92 Resp: 1562
Ion Ratio Lower Upper
92 100
91 159.8 137.4 206.0

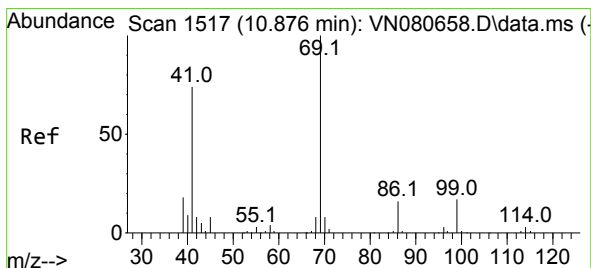
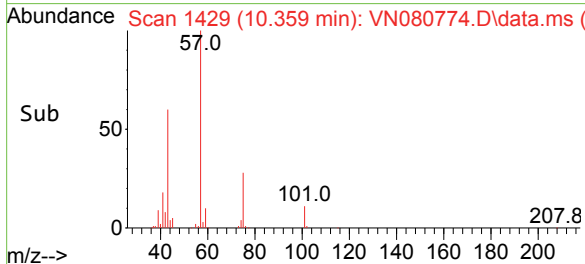
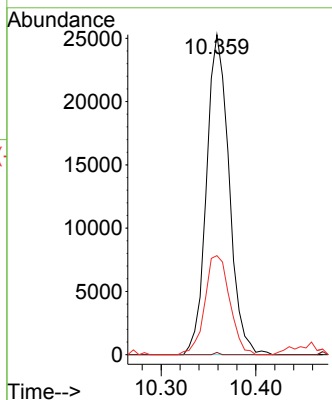
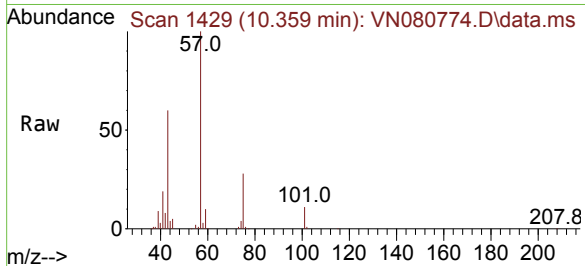




#54
 cis-1,3-Dichloropropene
 Concen: 12.054 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080774.D
 Acq: 26 Jan 2024 17:00

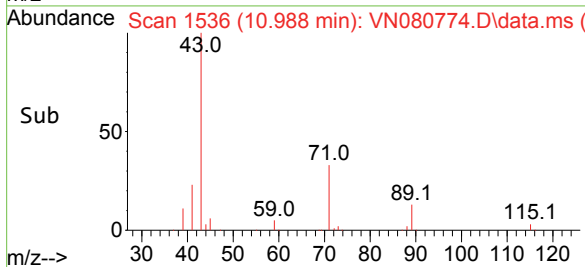
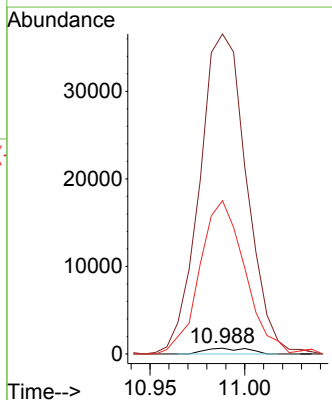
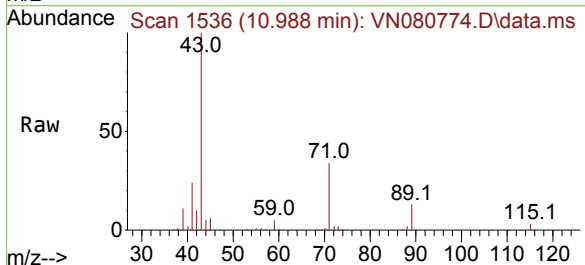
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-223

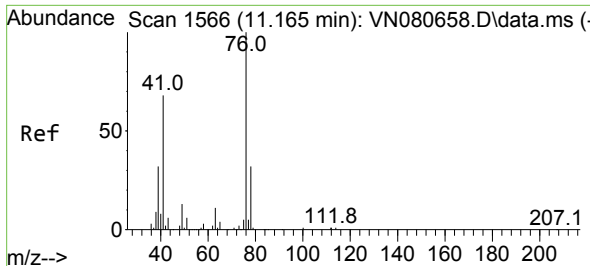
Tgt Ion: 75 Resp: 41840
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 31.0 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.329 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080774.D
 Acq: 26 Jan 2024 17:00

Tgt Ion: 69 Resp: 1030
 Ion Ratio Lower Upper
 69 100
 41 6163.8 39.6 59.4#
 39 2859.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.378 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :

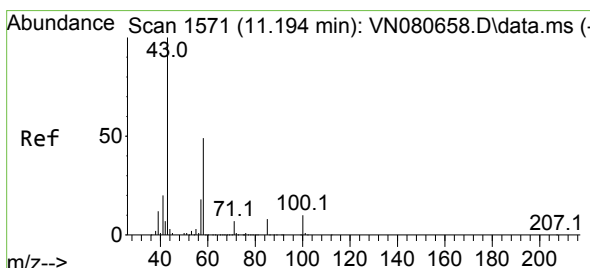
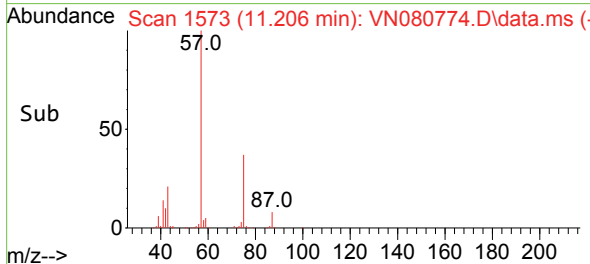
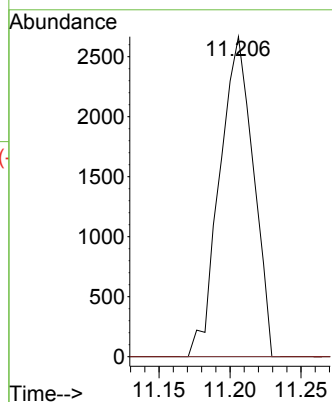
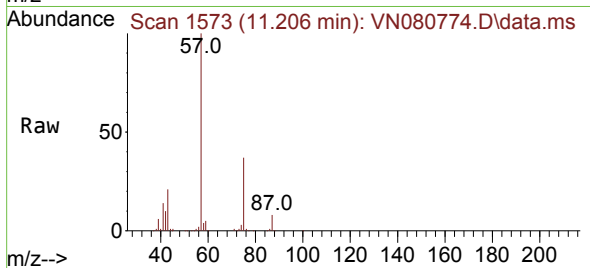
VNJ-223

Tgt Ion: 76 Resp: 4393

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.899 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080774.D

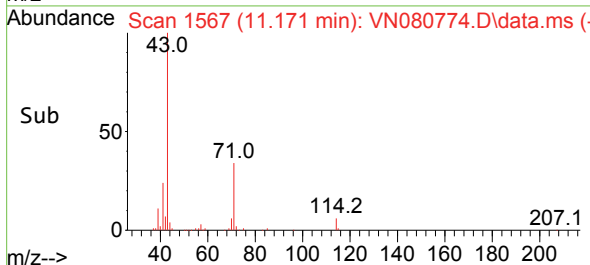
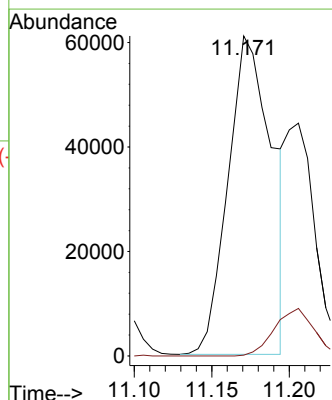
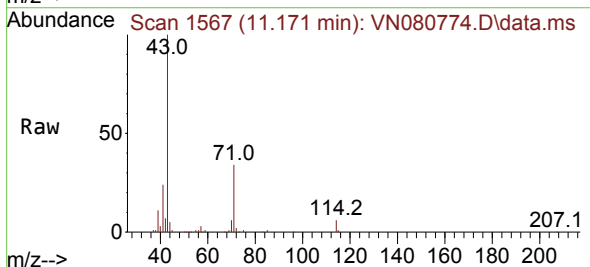
Acq: 26 Jan 2024 17:00

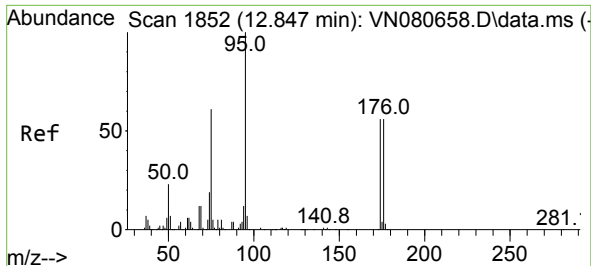
Tgt Ion: 43 Resp: 119809

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

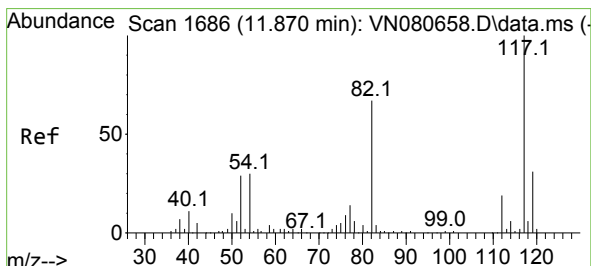
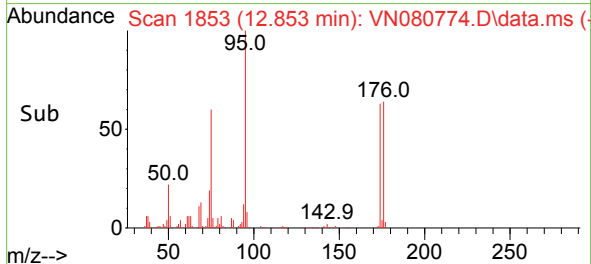
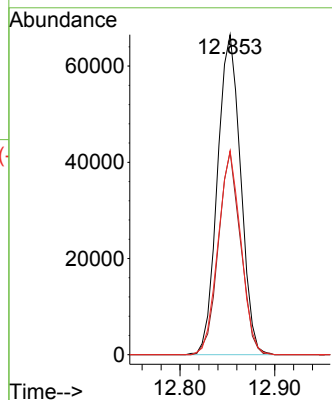
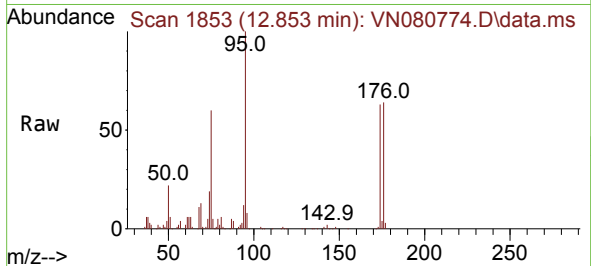




#62
4-Bromofluorobenzene
Concen: 56.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

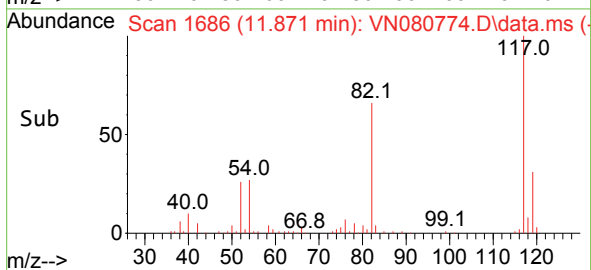
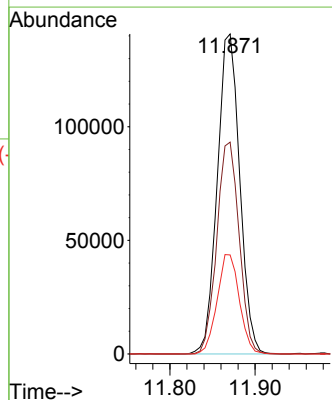
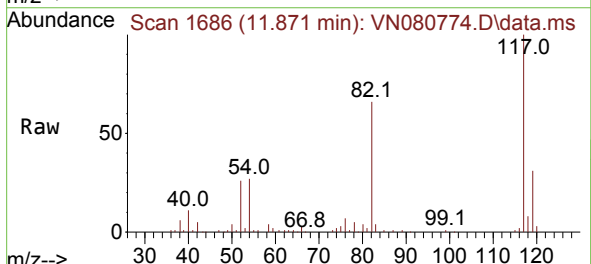
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

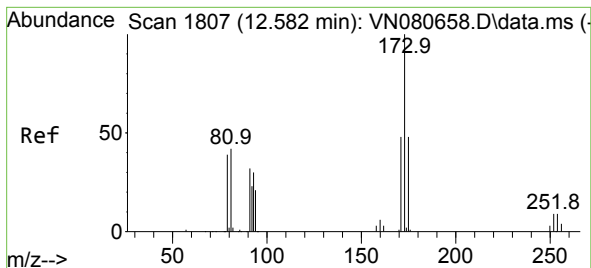
Tgt Ion: 95 Resp: 112981
Ion Ratio Lower Upper
95 100
174 60.8 0.0 143.8
176 62.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 117 Resp: 258102
Ion Ratio Lower Upper
117 100
82 66.2 44.0 66.0#
119 30.9 25.6 38.4





#71

Bromoform

Concen: 0.227 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :

VNJ-223

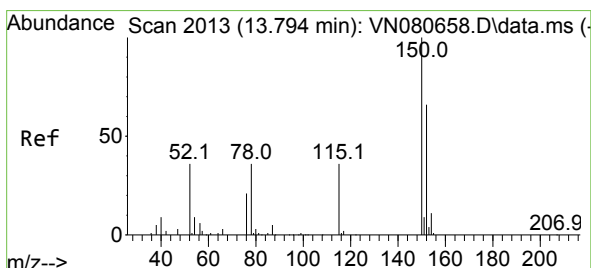
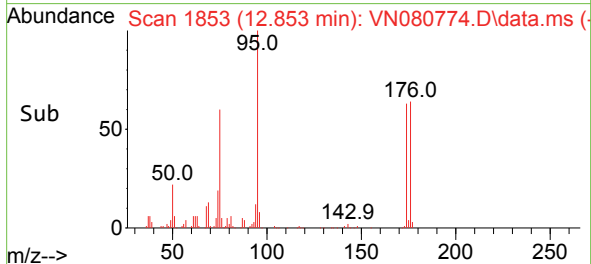
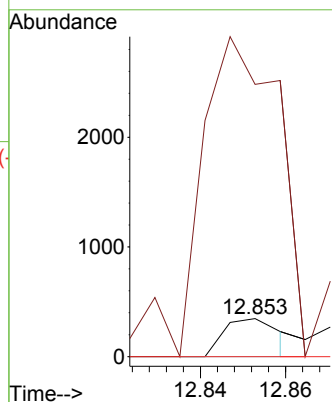
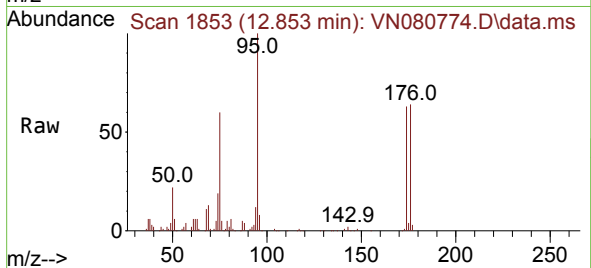
Tgt Ion:173 Resp: 313

Ion Ratio Lower Upper

173 100

175 931.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080774.D

Acq: 26 Jan 2024 17:00

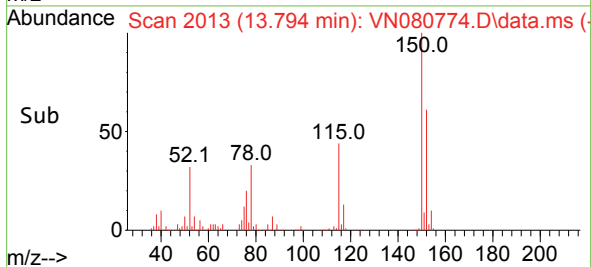
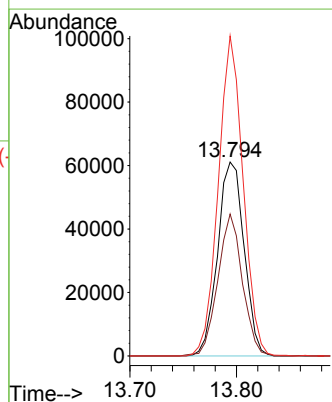
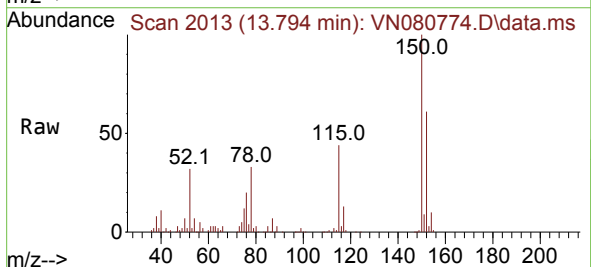
Tgt Ion:152 Resp: 105344

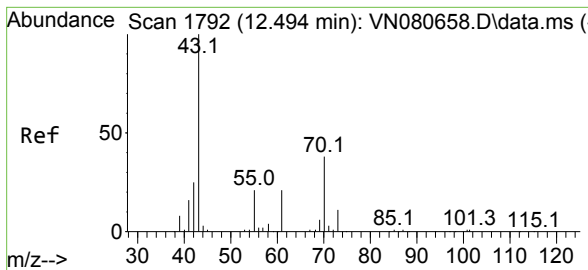
Ion Ratio Lower Upper

152 100

115 67.7 32.3 96.8

150 154.5 0.0 355.8

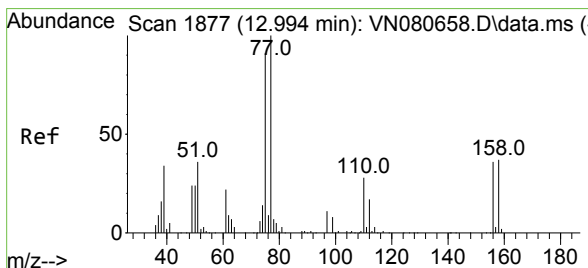
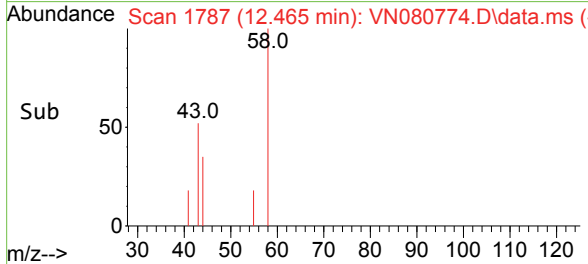
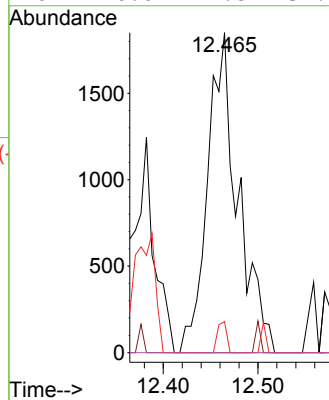
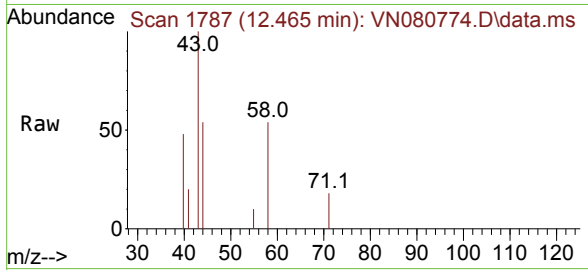




#74
N-amy1 acetate
Concen: 0.683 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

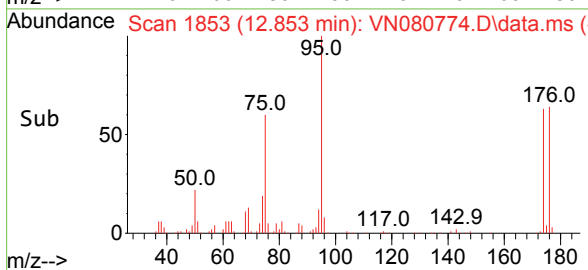
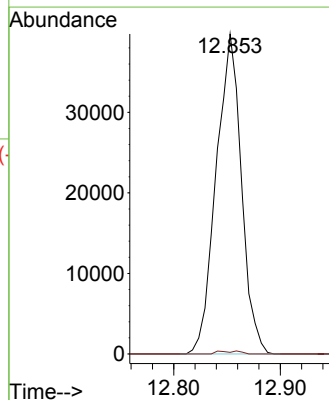
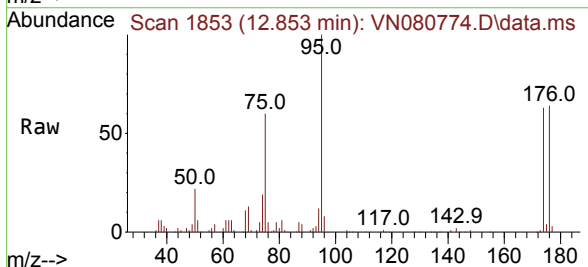
Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

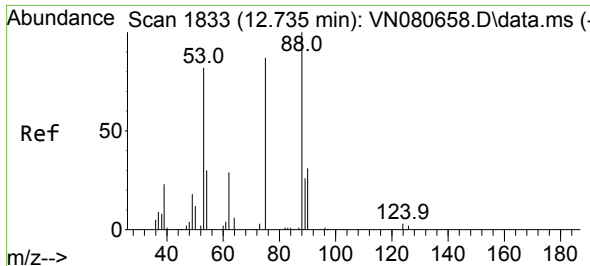
Tgt Ion: 43	Resp:	4108
Ion Ratio	Lower	Upper
43	100	
70	0.0	43.4 65.2#
55	2.9	21.4 32.0#
61	0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 20.114 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion: 75	Resp:	65338
Ion Ratio	Lower	Upper
75	100	
77	0.8	84.5 253.5#

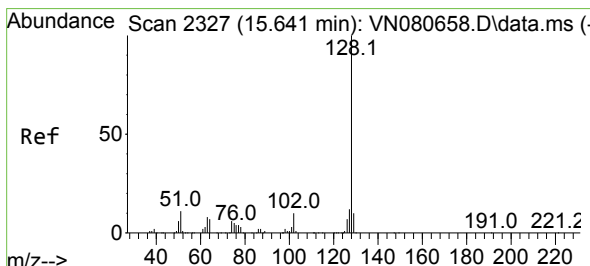
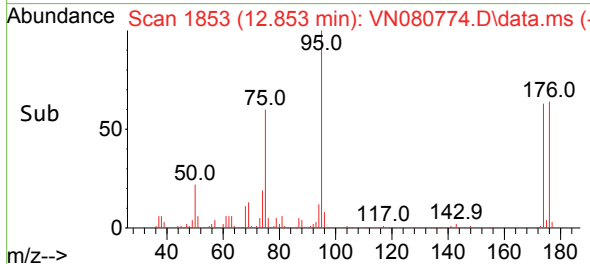
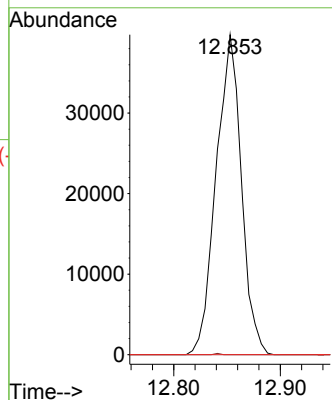
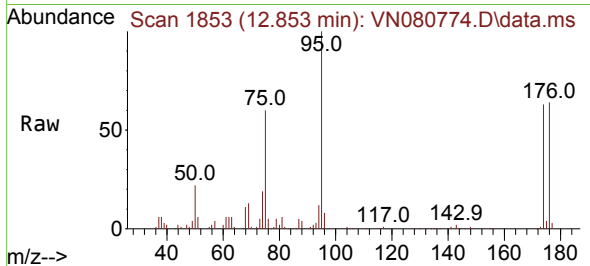




#81
trans-1,4-Dichloro-2-butene
Concen: 47.417 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :
VNJ-223

Tgt Ion: 75 Resp: 65338
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 14.328 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080774.D
Acq: 26 Jan 2024 17:00

Tgt Ion:128 Resp: 105169
Ion Ratio Lower Upper
128 100
127 13.7 10.0 15.0
129 11.3 8.7 13.1

