

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081495.D
 Acq On : 20 Mar 2024 15:47
 Operator : JC\MD
 Sample : P1800-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 21 01:20:42 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)

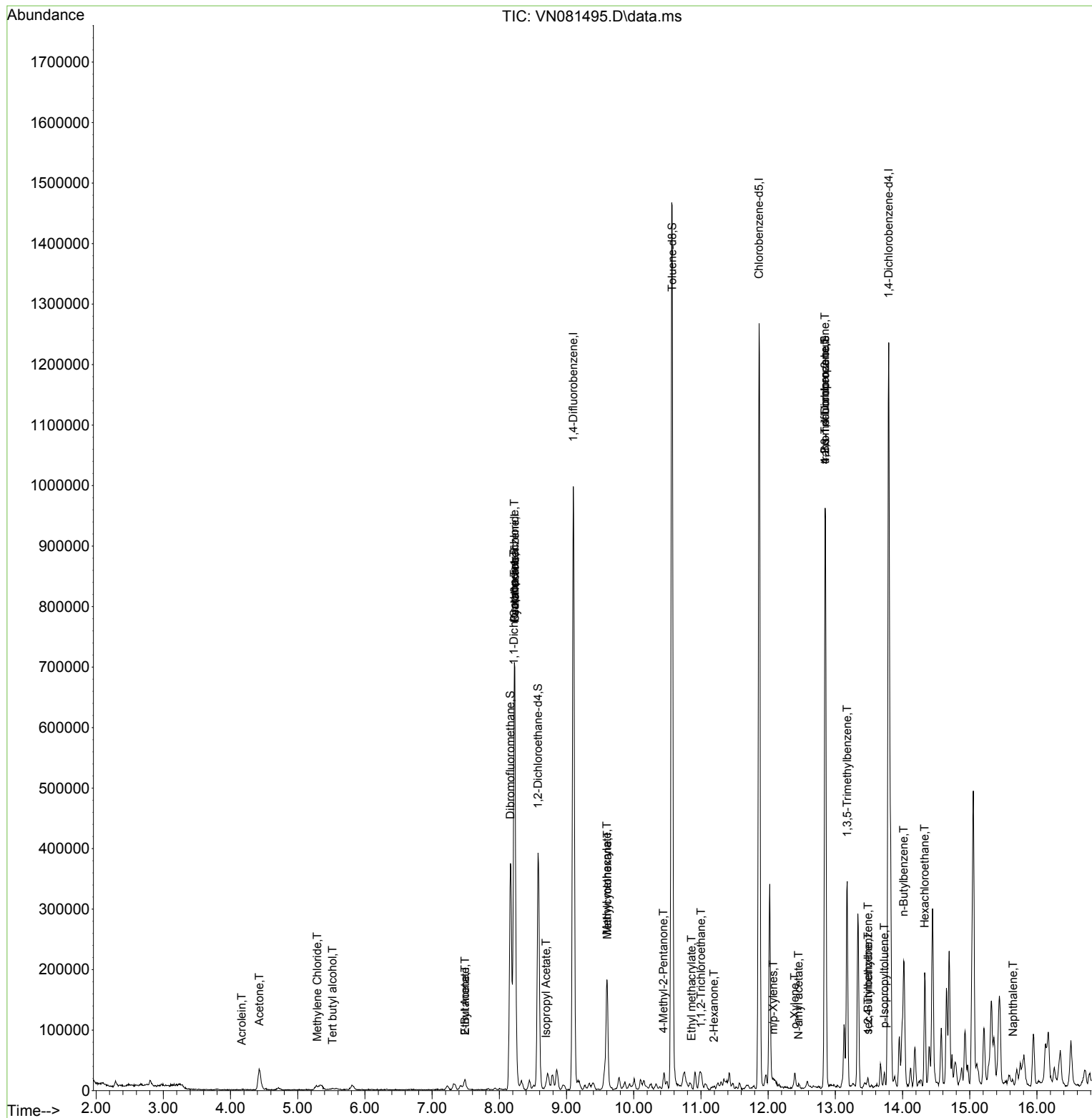
Internal Standards						
1) Pentafluorobenzene	8.230	168	515585	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	873821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	752013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	332739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	317328	48.262	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.520%		
35) Dibromofluoromethane	8.165	113	269061	48.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.580%		
50) Toluene-d8	10.571	98	1034979	51.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.840%		
62) 4-Bromofluorobenzene	12.847	95	329482	46.906	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	93.820%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.518	59	2440	2.129	ug/l	# 79
13) Acrolein	4.165	56	310	0.302	ug/l	# 57
16) Acetone	4.430	43	62986	29.642	ug/l	99
20) Methylene Chloride	5.289	84	2995	0.430	ug/l	# 52
25) 2-Butanone	7.489	43	25660	7.040	ug/l	# 80
31) Cyclohexane	8.230	56	25511	2.384	ug/l	# 3
36) 1,1-Dichloropropene	8.218	75	40548	4.369	ug/l	# 52
37) Ethyl Acetate	7.489	43	25660	3.229	ug/l	# 70
38) Carbon Tetrachloride	8.224	117	54771	5.387	ug/l	# 18
39) Methylcyclohexane	9.606	83	80673	7.784	ug/l	# 82
43) Isopropyl Acetate	8.694	43	3486	0.265	ug/l	# 57
48) Methyl methacrylate	9.600	41	36615	6.026	ug/l	# 81
51) 4-Methyl-2-Pentanone	10.441	43	8887	1.106	ug/l	97
55) 1,1,2-Trichloroethane	11.000	97	8229	1.186	ug/l	# 18
56) Ethyl methacrylate	10.859	69	306	0.603	ug/l	# 13
59) 2-Hexanone	11.194	43	3617	0.609	ug/l	79
68) m/p-Xylenes	12.076	106	3509	0.303	ug/l	99
69) o-Xylene	12.394	106	6385	0.562	ug/l	98
74) N-amyl acetate	12.453	43	4281	0.417	ug/l	# 56
76) 1,2,3-Trichloropropane	12.847	75	174381	21.909	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.176	105	188115	8.030	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	174381	59.206	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.488	105	8991	0.382	ug/l	90
85) sec-Butylbenzene	13.488	105	8991	0.311	ug/l	# 60
86) p-Isopropyltoluene	13.729	119	11669	0.494	ug/l	90
89) n-Butylbenzene	14.018	91	31188	1.490	ug/l	# 1
90) Hexachloroethane	14.329	117	10080	2.255	ug/l	# 21
95) Naphthalene	15.647	128	7253	0.312	ug/l	# 80

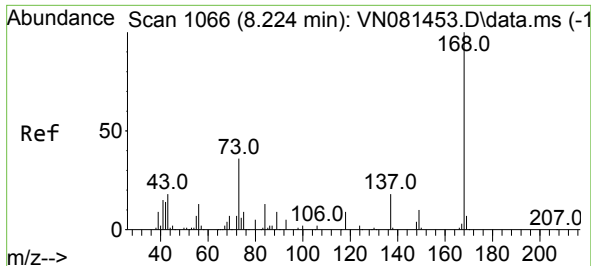
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
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Sample : P1800-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 21 01:20:42 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

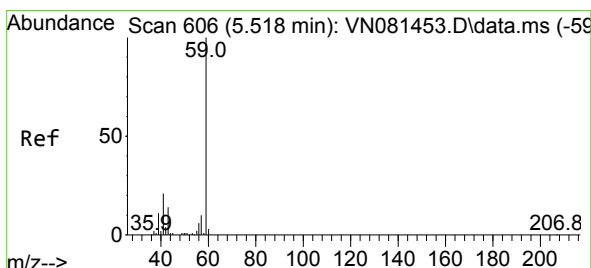
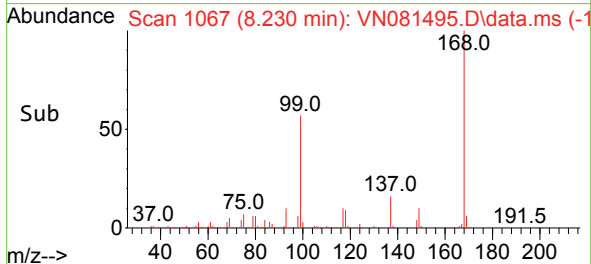
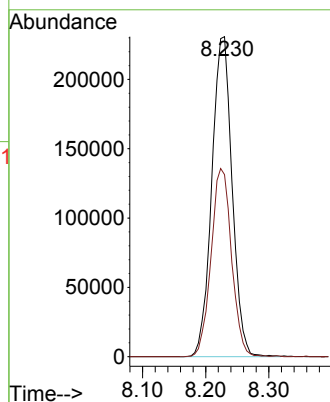
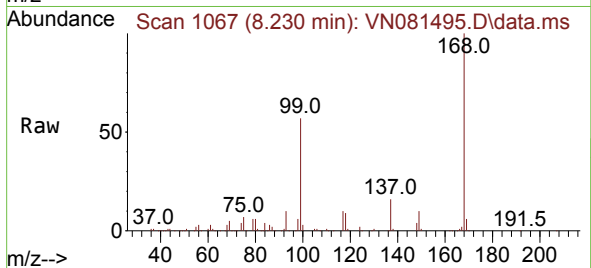




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

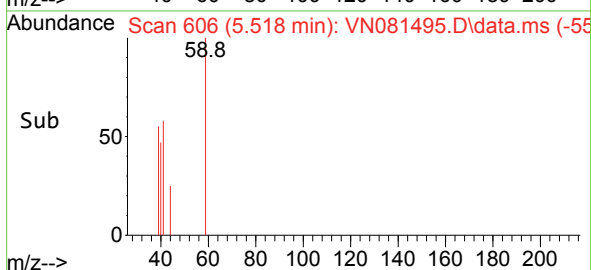
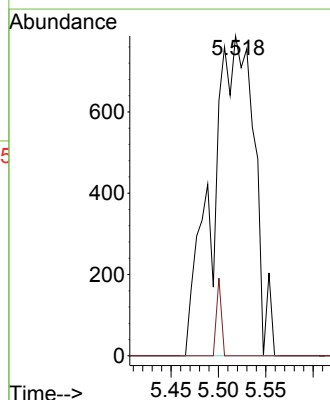
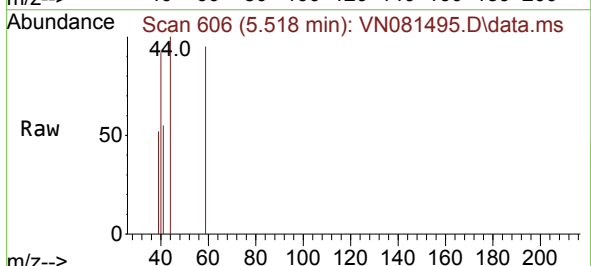
Instrument :
MSVOA_N
ClientSampleId :

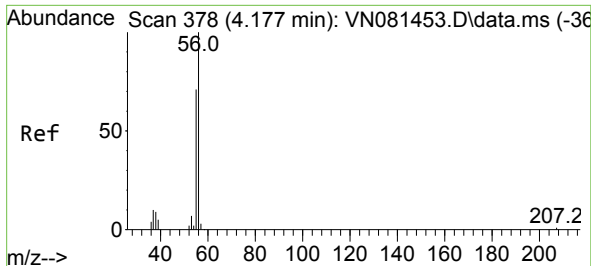
Tgt Ion:168 Resp: 515585
Ion Ratio Lower Upper
168 100
99 56.9 59.9 89.9#



#11
Tert butyl alcohol
Concen: 2.129 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion: 59 Resp: 2440
Ion Ratio Lower Upper
59 100
57 2.7 8.6 12.8#

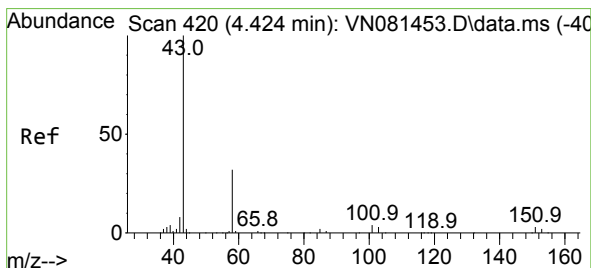
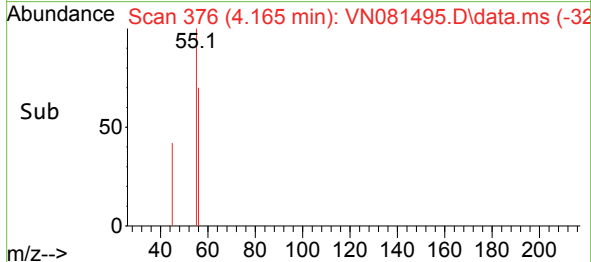
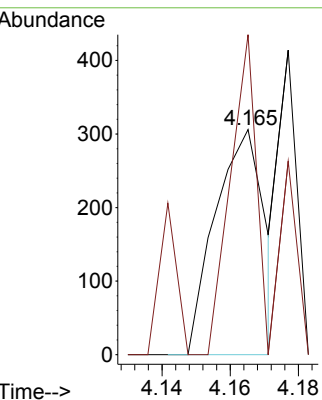
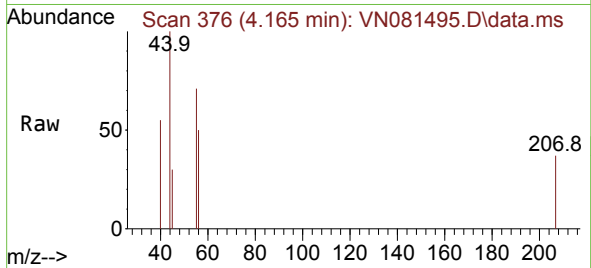




#13
Acrolein
Concen: 0.302 ug/l
RT: 4.165 min Scan# 310
Delta R.T. -0.012 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

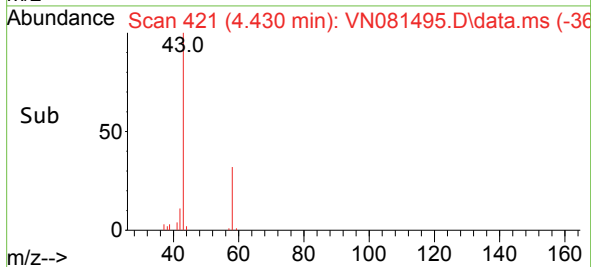
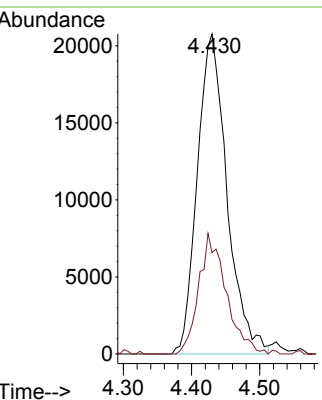
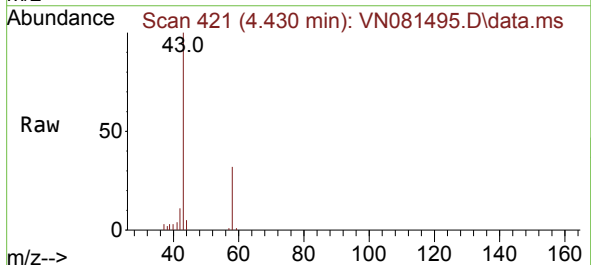
Instrument :
MSVOA_N
ClientSampleId :

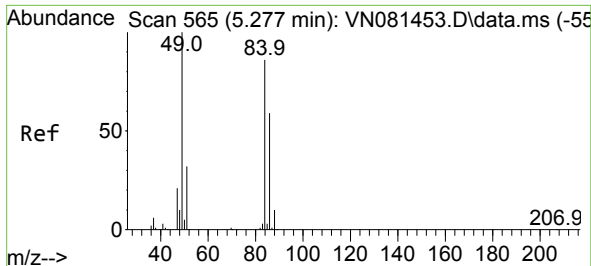
Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
55 103.9 55.3 82.9#



#16
Acetone
Concen: 29.642 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

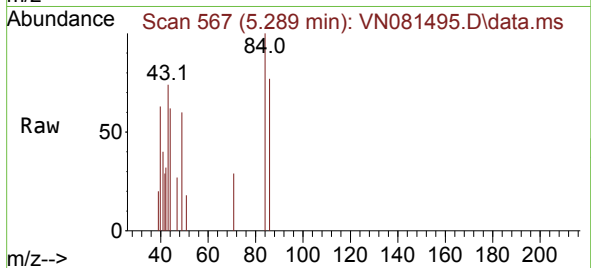
Tgt Ion: 43 Resp: 62986
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2



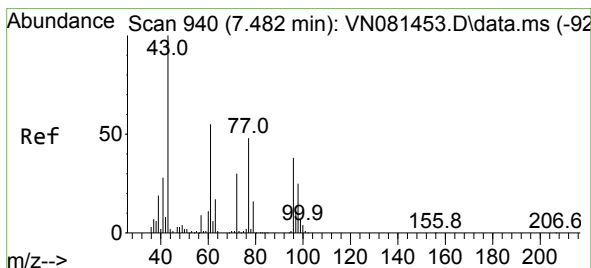
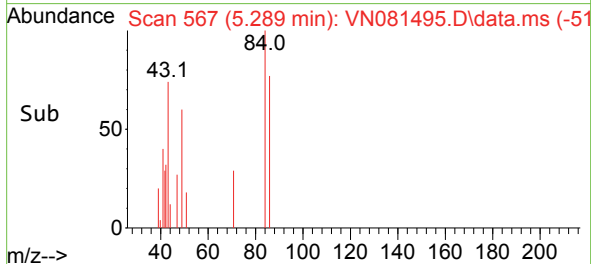
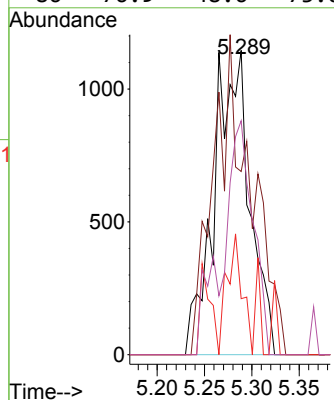


#20
Methylene Chloride
Concen: 0.430 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

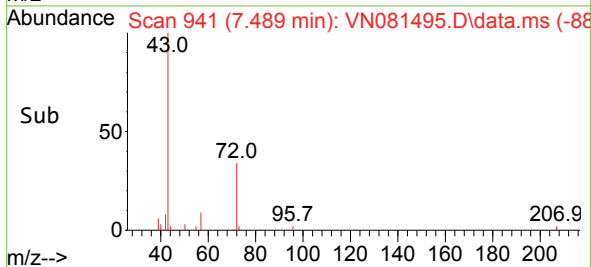
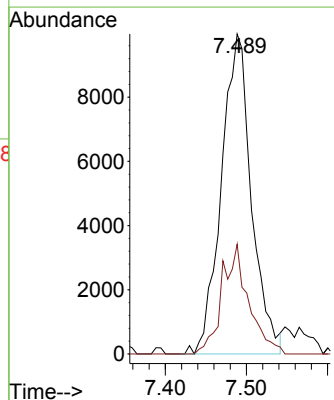
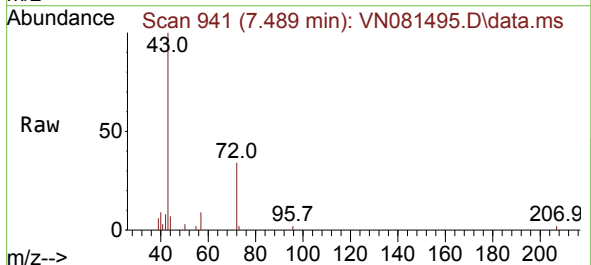


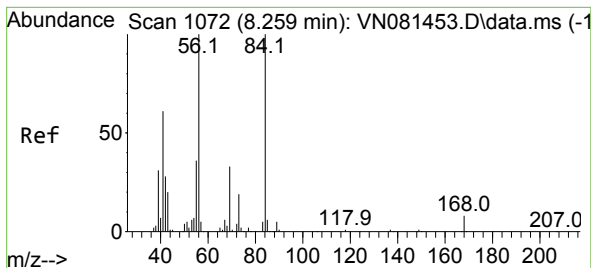
Tgt Ion: 84 Resp: 2995
Ion Ratio Lower Upper
84 100
49 60.2 108.1 162.1#
51 18.4 32.9 49.3#
86 76.9 48.6 73.0#



#25
2-Butanone
Concen: 7.040 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion: 43 Resp: 25660
Ion Ratio Lower Upper
43 100
72 34.3 19.5 29.3#





#31

Cyclohexane

Concen: 2.384 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

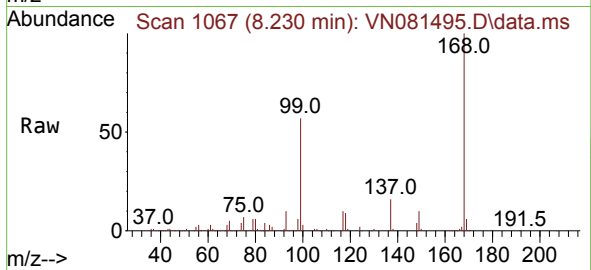
Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :



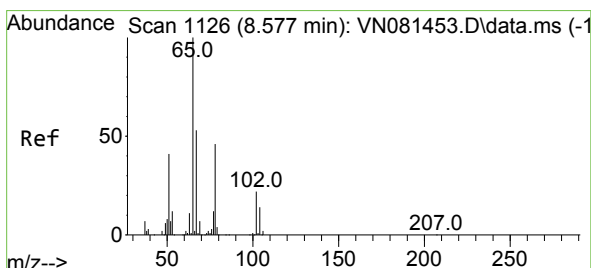
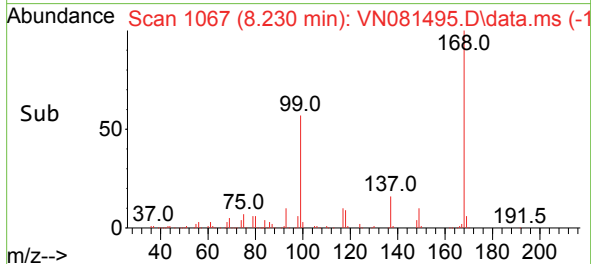
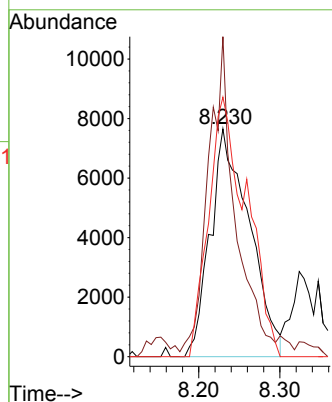
Tgt Ion: 56 Resp: 25511

Ion Ratio Lower Upper

56 100

69 138.3 20.1 30.1#

84 113.9 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 48.262 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081495.D

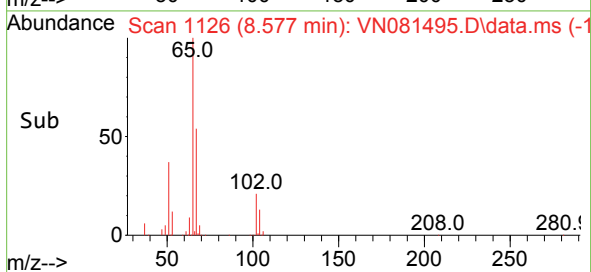
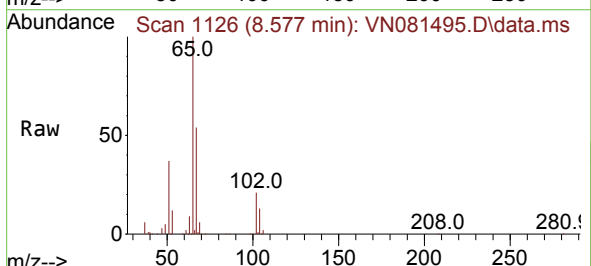
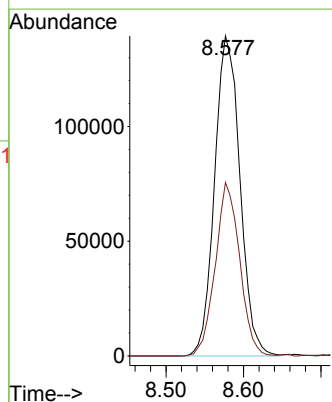
Acq: 20 Mar 2024 15:47

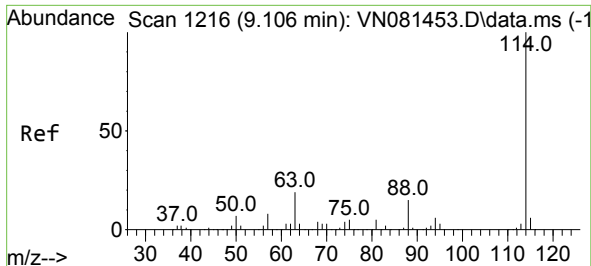
Tgt Ion: 65 Resp: 317328

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

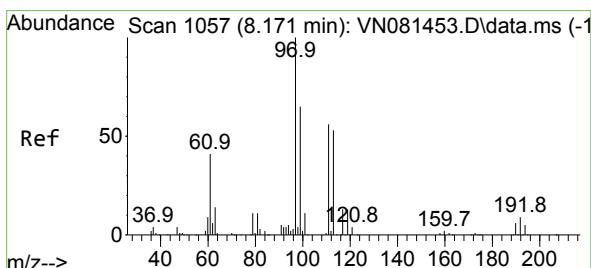
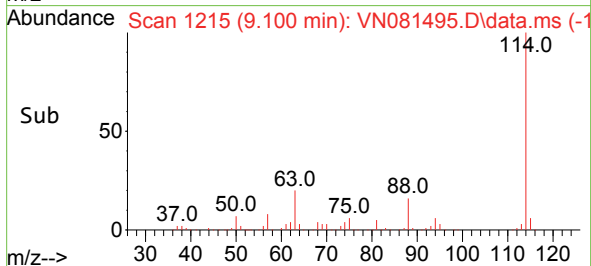
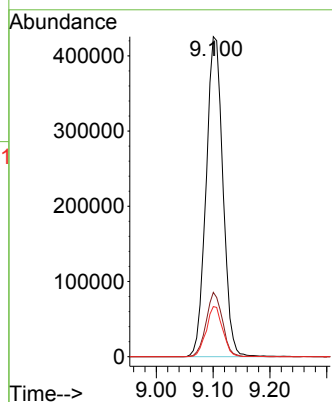
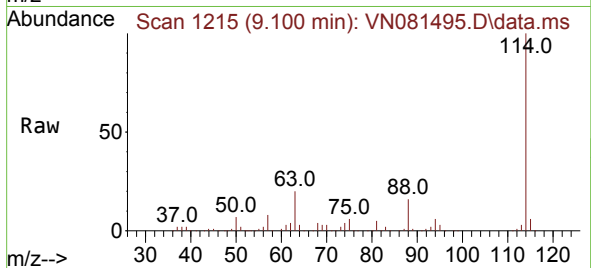
Tgt Ion:114 Resp: 873821

Ion Ratio Lower Upper

114 100

63 20.1 0.0 48.0

88 15.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.790 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

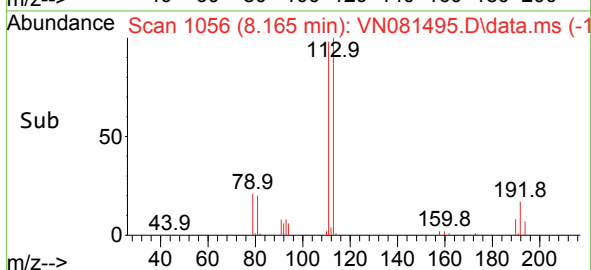
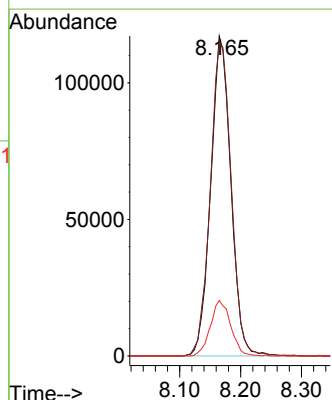
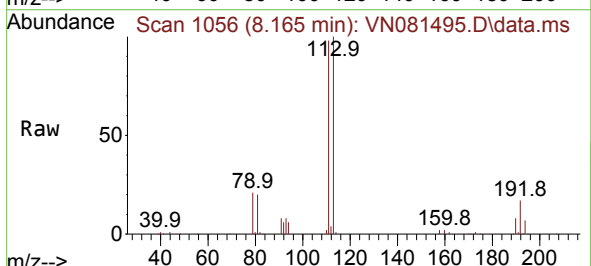
Tgt Ion:113 Resp: 269061

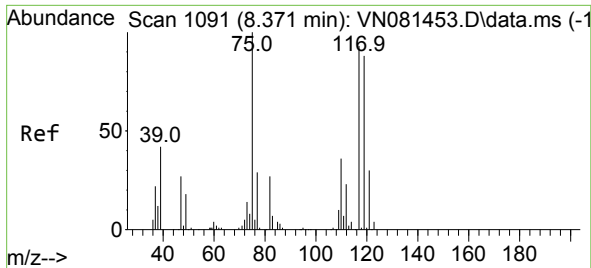
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

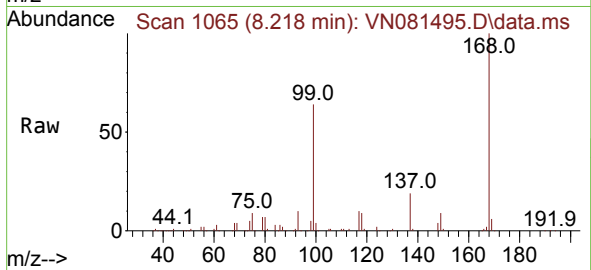
192 17.5 12.5 18.7



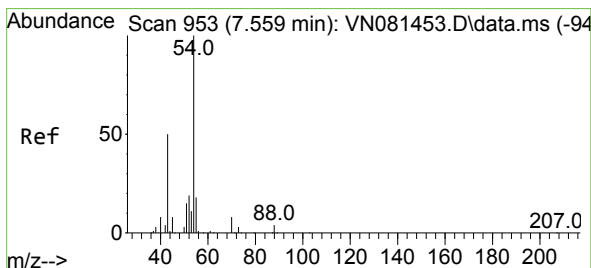
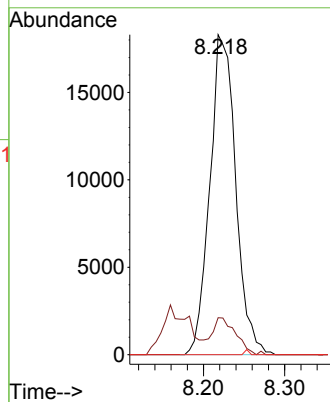
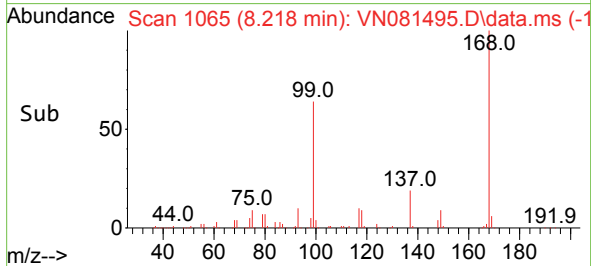


#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
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ClientSampleId :

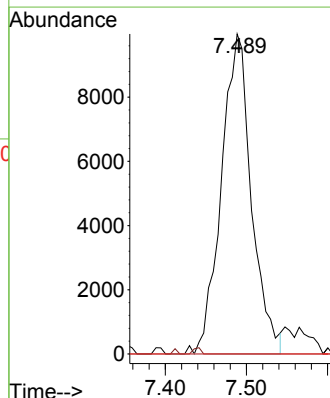
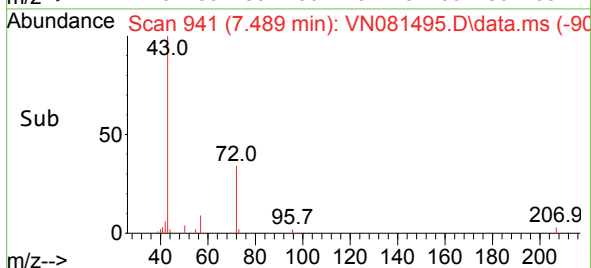
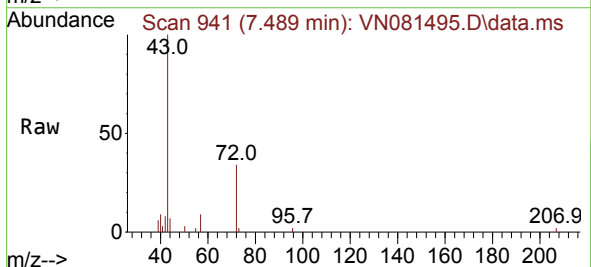


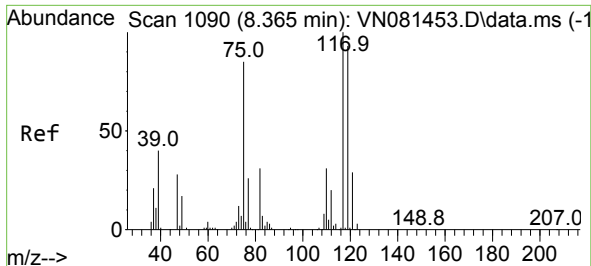
Tgt Ion: 75 Resp: 40548
Ion Ratio Lower Upper
75 100
110 10.7 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 3.229 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.070 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

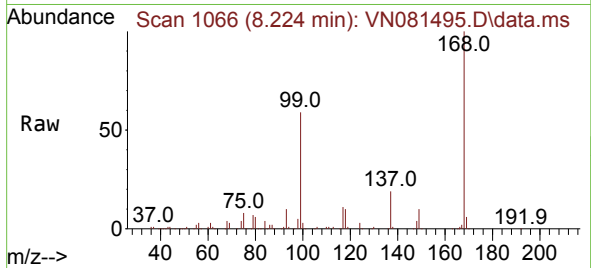
Tgt Ion: 43 Resp: 25660
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



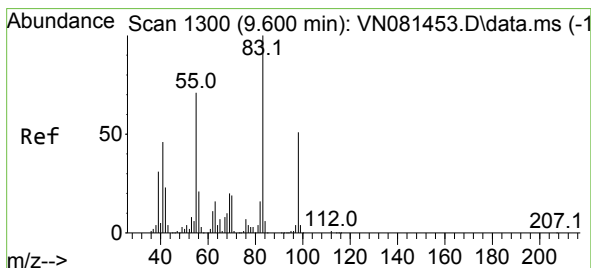
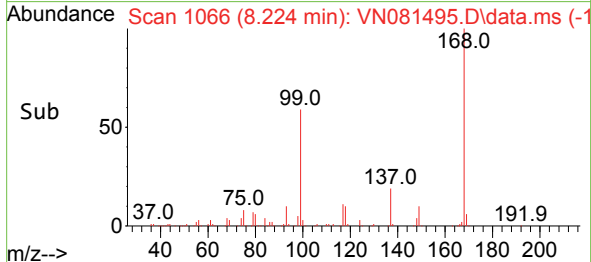
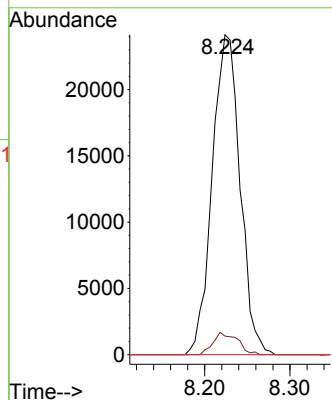


#38
Carbon Tetrachloride
Concen: 5.387 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

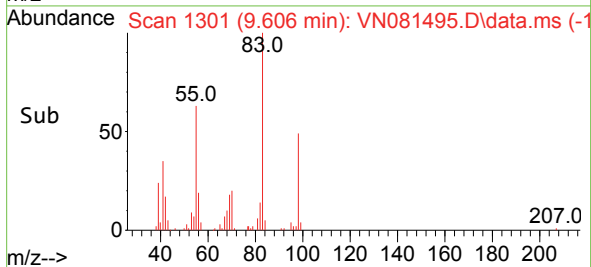
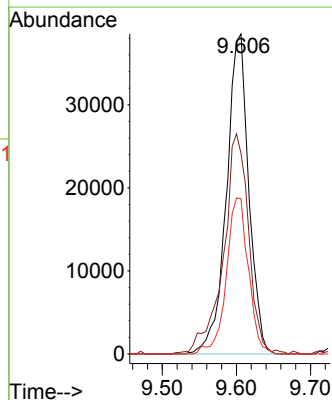
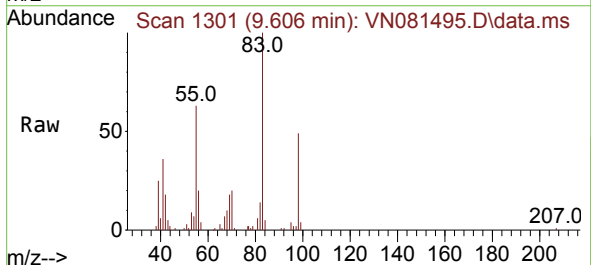


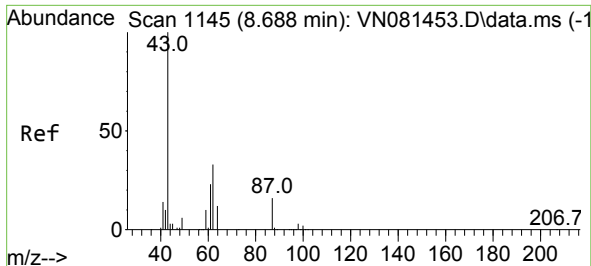
Tgt Ion:117 Resp: 54771
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 7.784 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

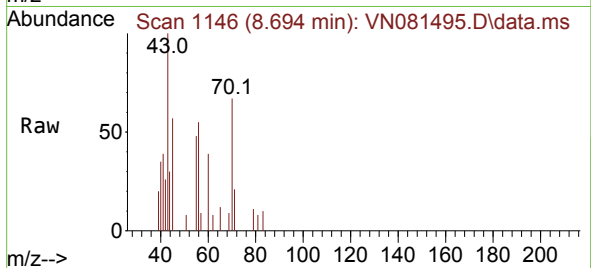
Tgt Ion: 83 Resp: 80673
Ion Ratio Lower Upper
83 100
55 62.1 65.7 98.5#
98 48.5 33.8 50.6



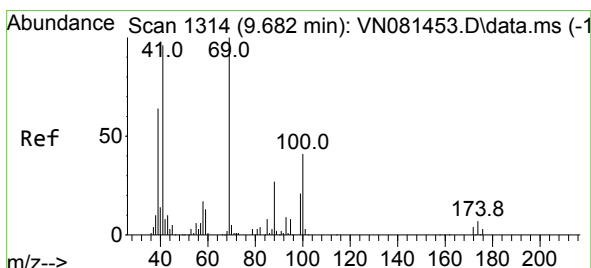
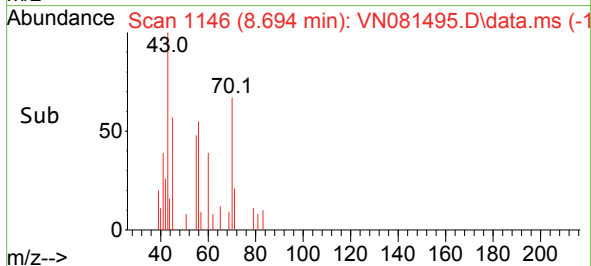
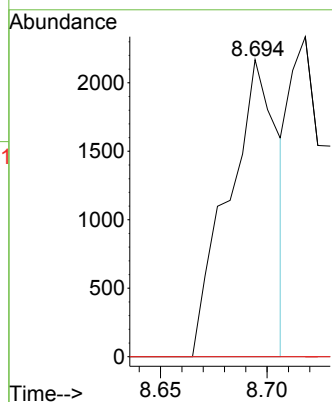


#43
Isopropyl Acetate
Concen: 0.265 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

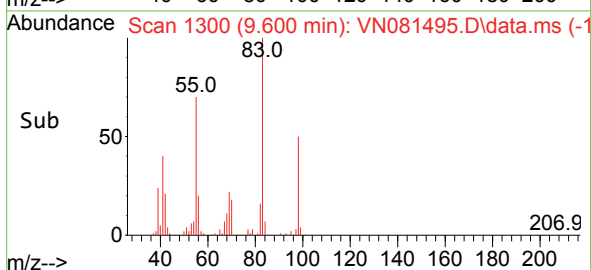
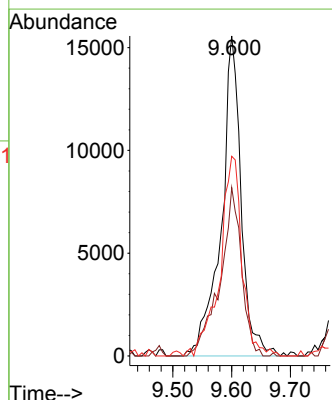
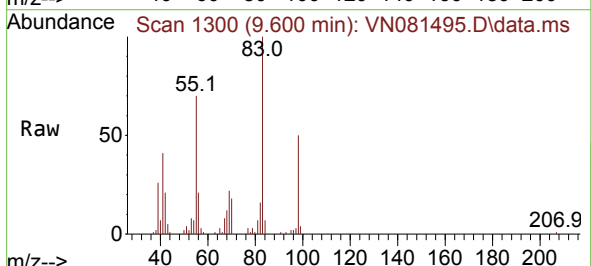


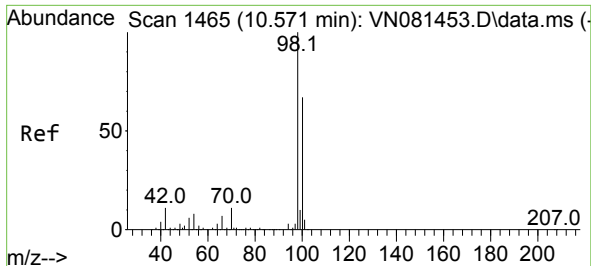
Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#48
Methyl methacrylate
Concen: 6.026 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.082 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion: 41 Resp: 36615
Ion Ratio Lower Upper
41 100
69 56.6 62.2 93.2#
39 69.4 47.6 71.4

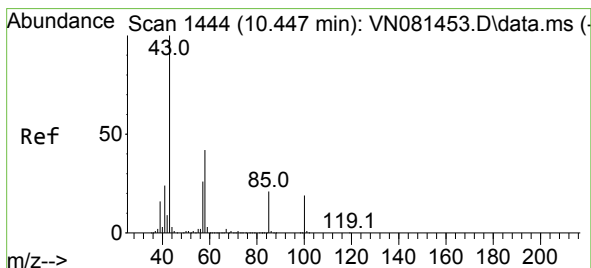
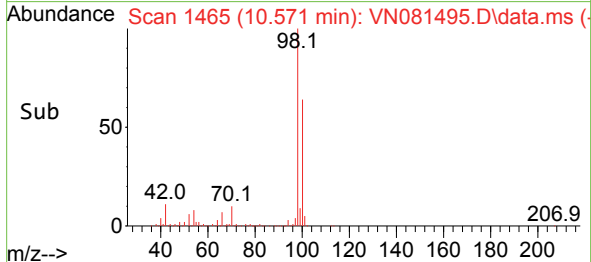
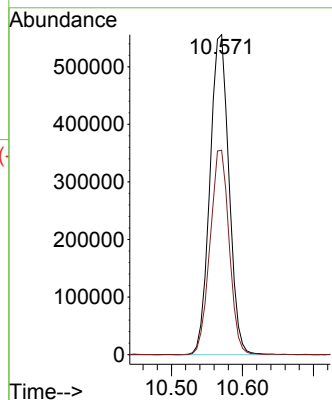
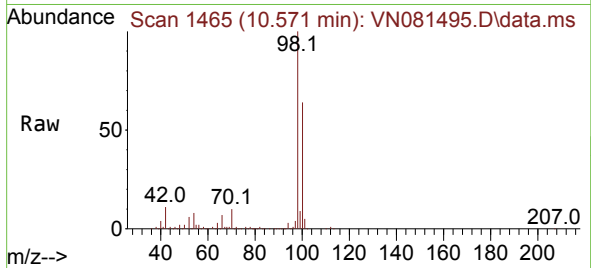




#50
Toluene-d8
Concen: 51.918 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

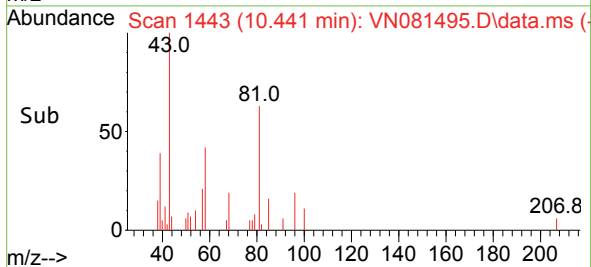
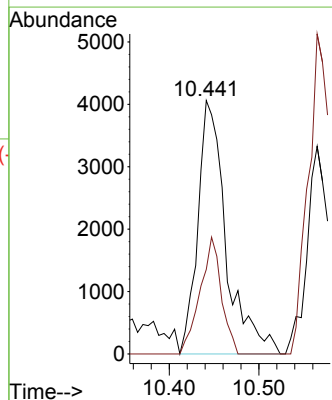
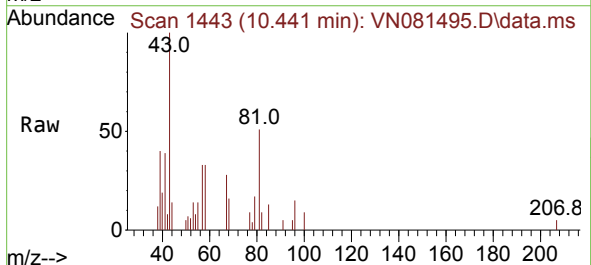
Instrument :
MSVOA_N
ClientSampleId :

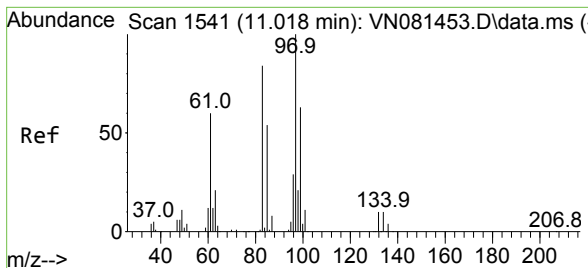
Tgt Ion: 98 Resp: 1034979
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.106 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion: 43 Resp: 8887
Ion Ratio Lower Upper
43 100
58 34.7 29.4 44.0





#55

1,1,2-Trichloroethane

Concen: 1.186 ug/l

RT: 11.000 min Scan# 1

Delta R.T. -0.017 min

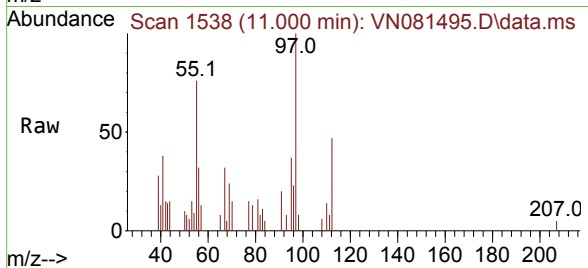
Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 8229

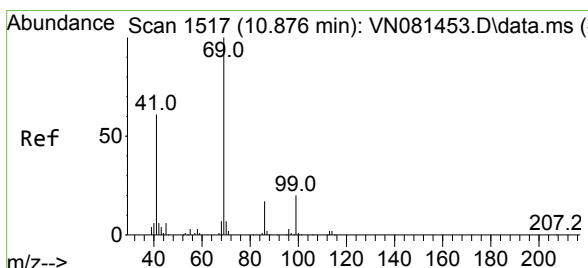
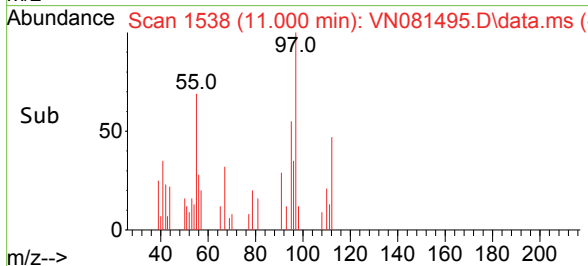
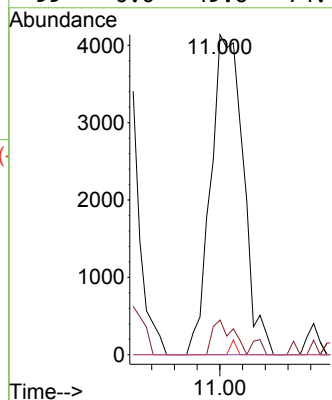
Ion Ratio Lower Upper

97 100

83 10.9 72.9 109.3#

85 0.0 50.2 75.2#

99 0.0 49.6 74.4#



#56

Ethyl methacrylate

Concen: 0.603 ug/l

RT: 10.859 min Scan# 1514

Delta R.T. -0.017 min

Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

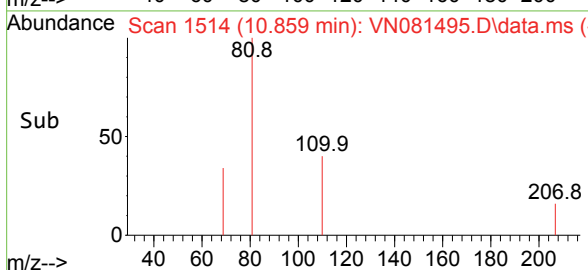
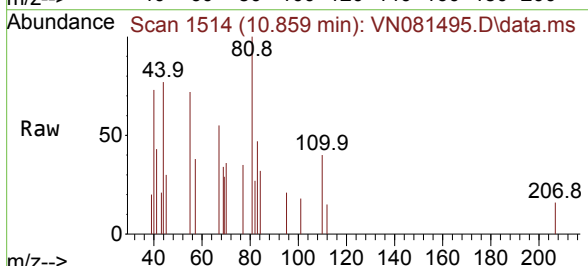
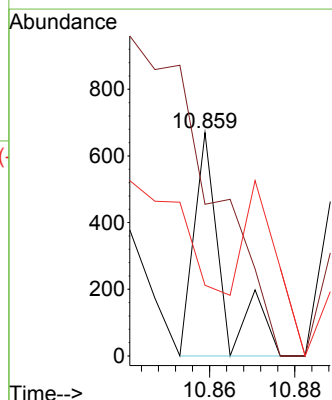
Tgt Ion: 69 Resp: 306

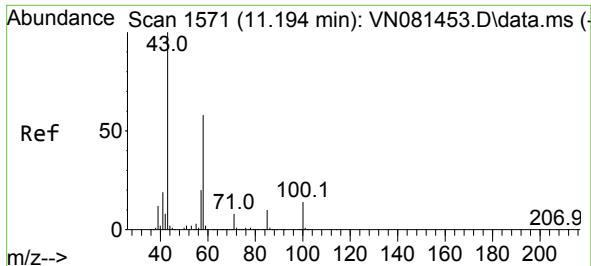
Ion Ratio Lower Upper

69 100

41 0.0 61.0 91.6#

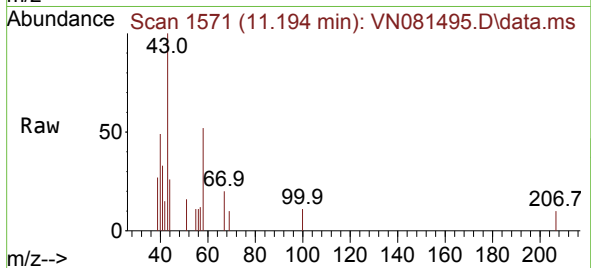
39 91.2 31.8 47.6#



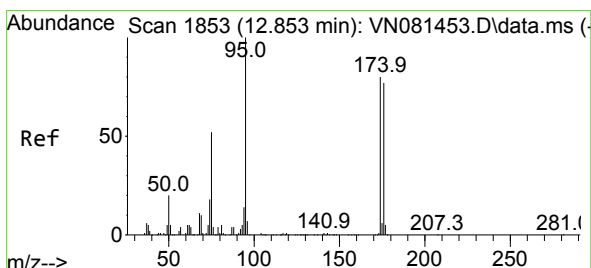
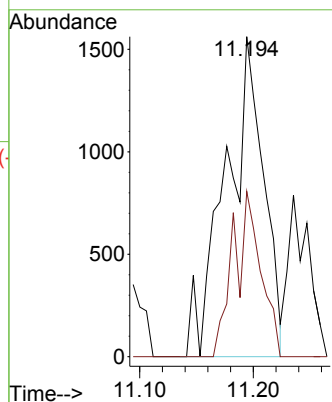
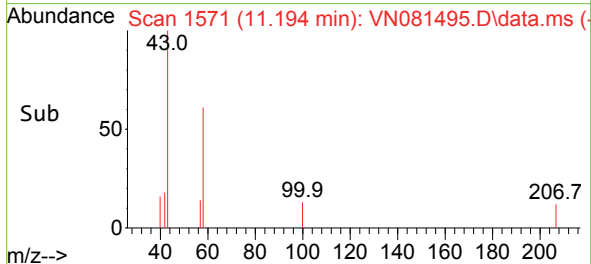


#59
2-Hexanone
Concen: 0.609 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

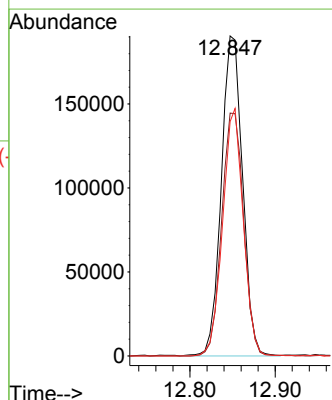
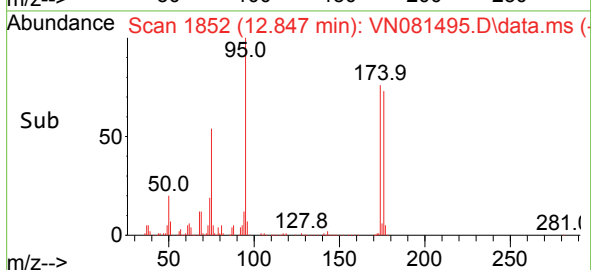
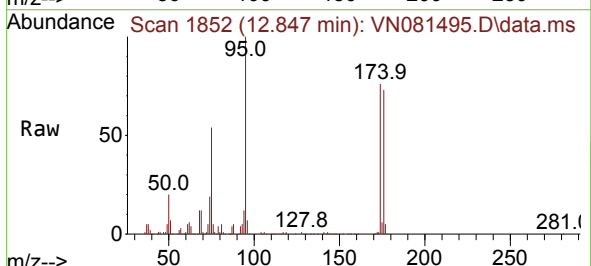


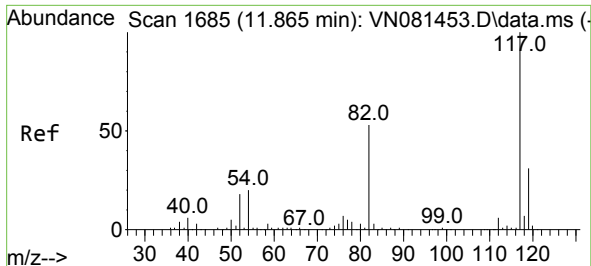
Tgt Ion: 43 Resp: 3617
Ion Ratio Lower Upper
43 100
58 37.2 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 46.906 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion: 95 Resp: 329482
Ion Ratio Lower Upper
95 100
174 78.5 0.0 120.4
176 75.3 0.0 121.0

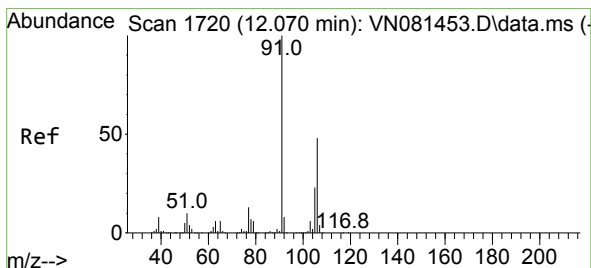
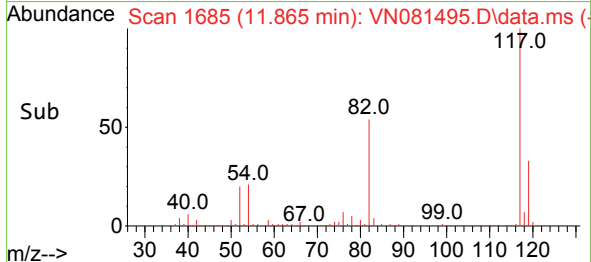
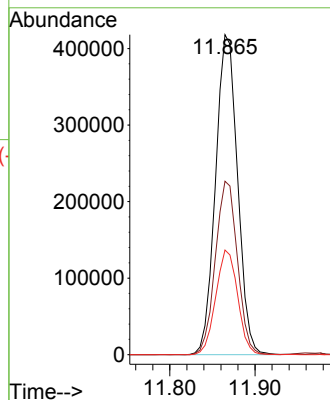
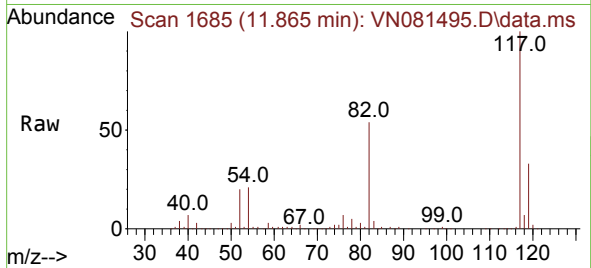




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

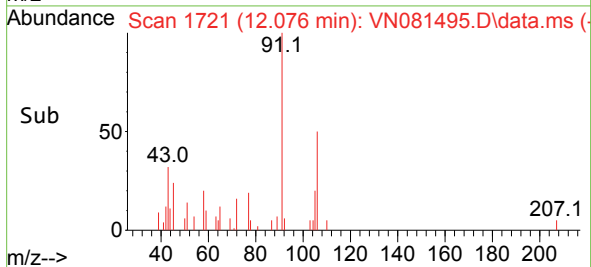
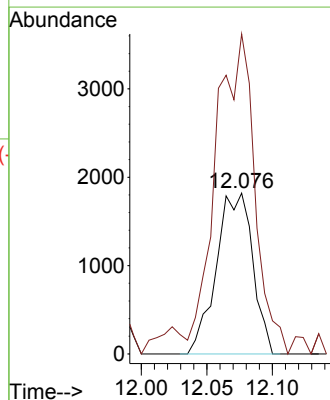
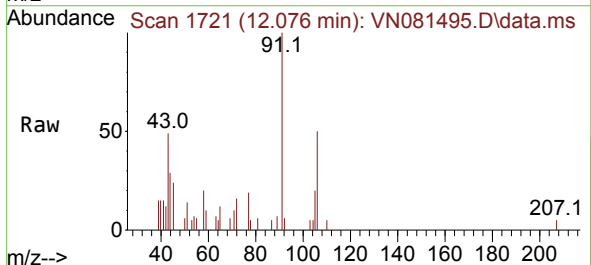
Instrument :
MSVOA_N
ClientSampleId :

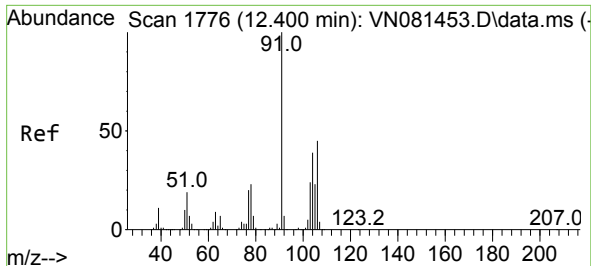
Tgt Ion:117 Resp: 752013
Ion Ratio Lower Upper
117 100
82 54.2 52.7 79.1
119 32.7 25.3 37.9



#68
m/p-Xylenes
Concen: 0.303 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion:106 Resp: 3509
Ion Ratio Lower Upper
106 100
91 212.6 169.0 253.6

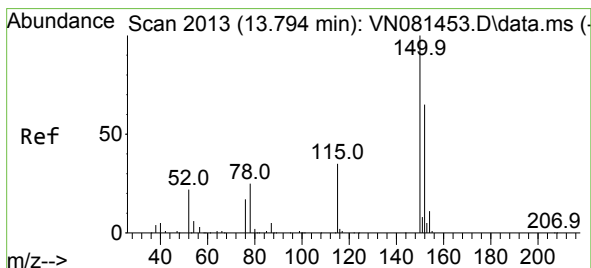
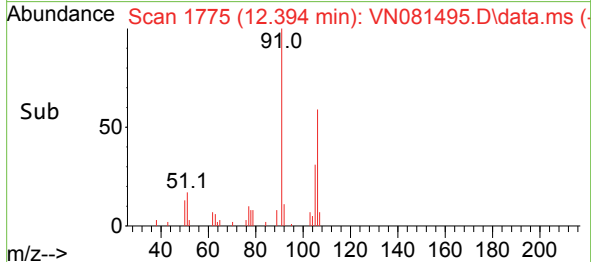
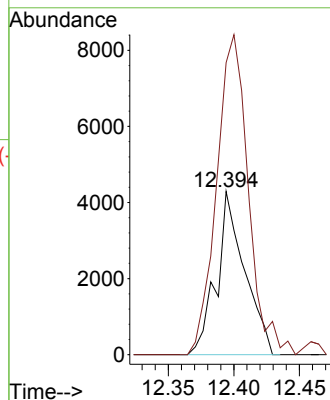
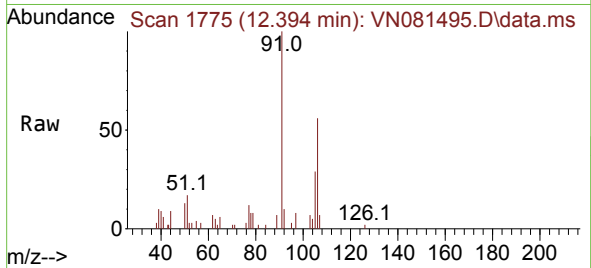




#69
o-Xylene
Concen: 0.562 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

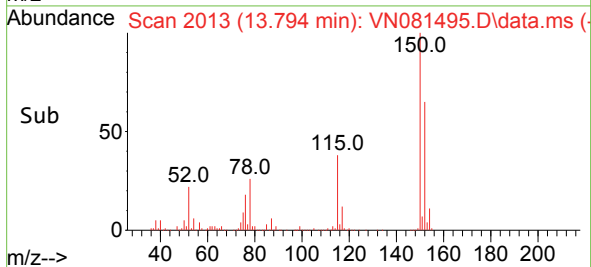
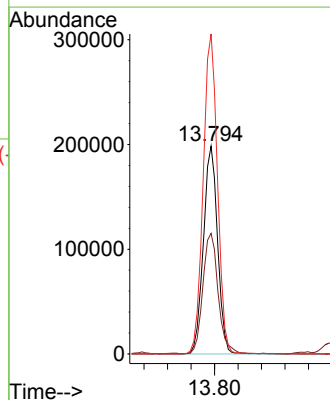
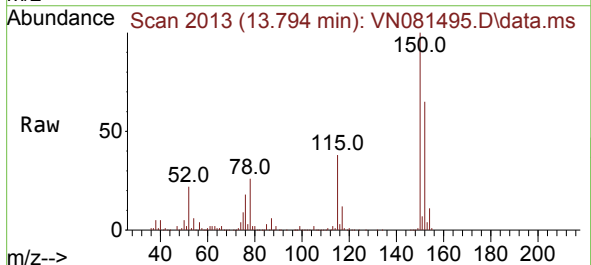
Instrument :
MSVOA_N
ClientSampleId :

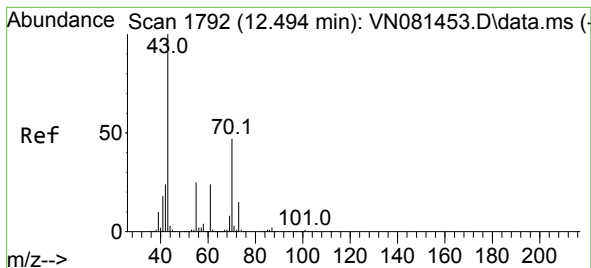
Tgt Ion:106 Resp: 6385
Ion Ratio Lower Upper
106 100
91 221.6 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion:152 Resp: 332739
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 155.3 0.0 339.8





#74

N-amy1 acetate

Concen: 0.417 ug/l

RT: 12.453 min Scan# 1

Delta R.T. -0.041 min

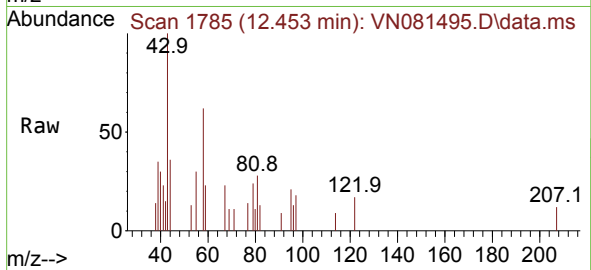
Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4281

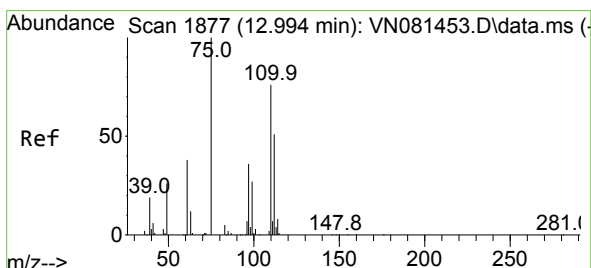
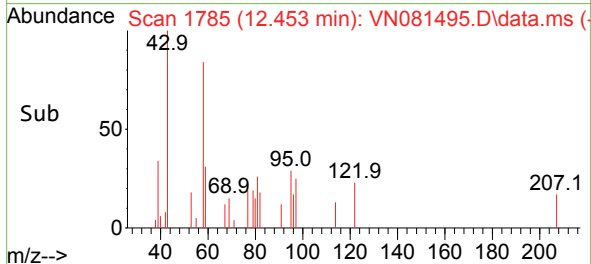
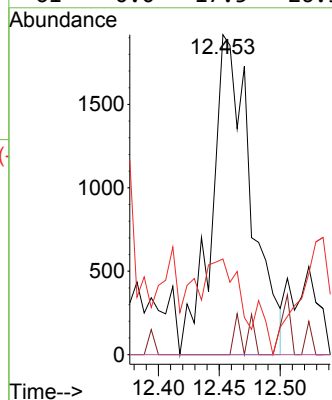
Ion Ratio Lower Upper

43 100

70 4.0 30.1 45.1#

55 31.0 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 21.909 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081495.D

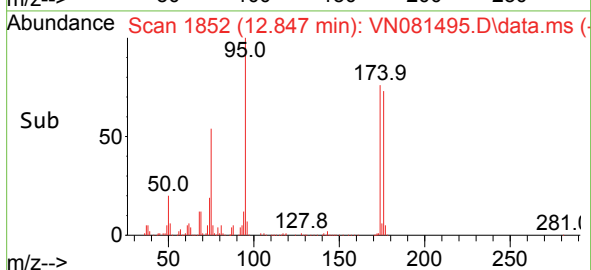
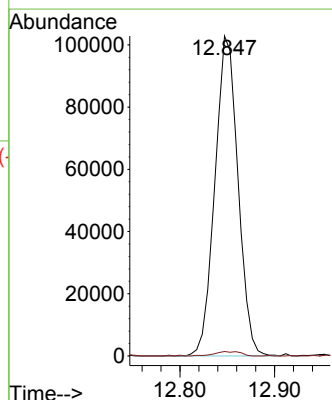
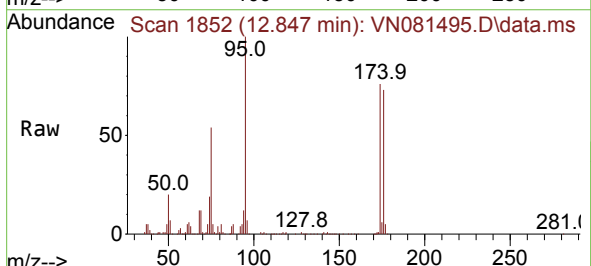
Acq: 20 Mar 2024 15:47

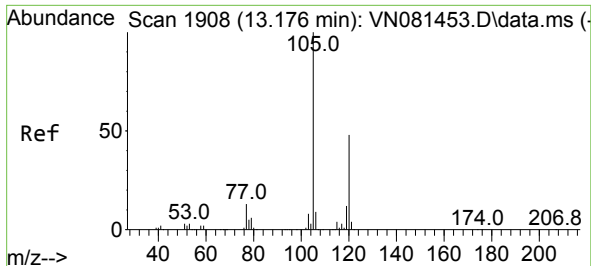
Tgt Ion: 75 Resp: 174381

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#

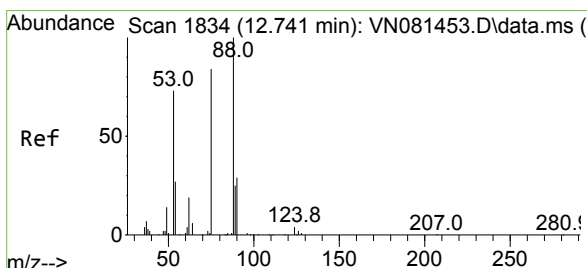
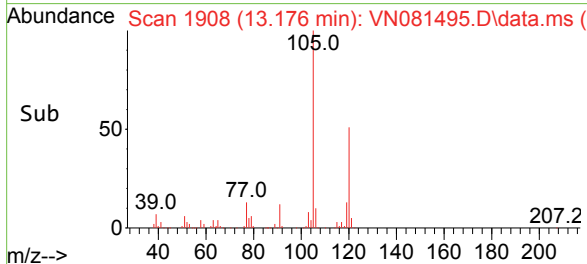
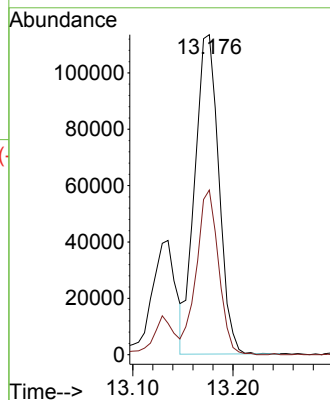
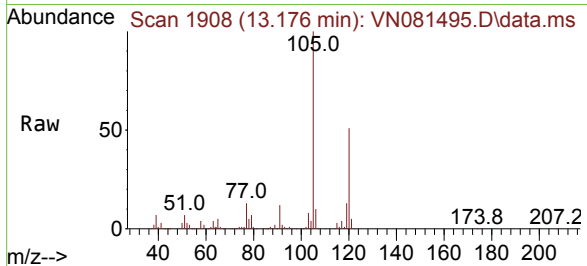




#80
 1,3,5-Trimethylbenzene
 Concen: 8.030 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN081495.D
 Acq: 20 Mar 2024 15:47

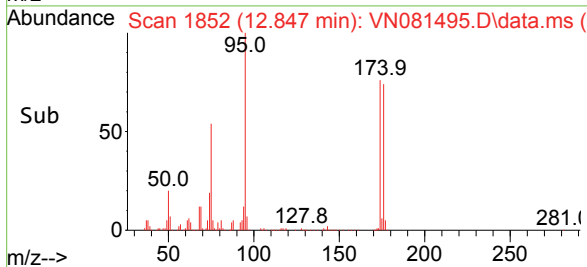
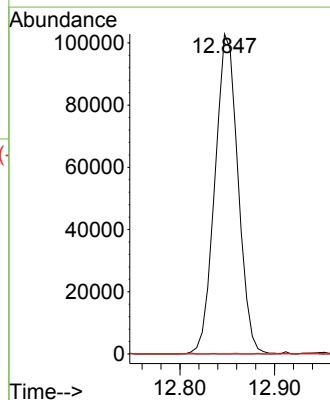
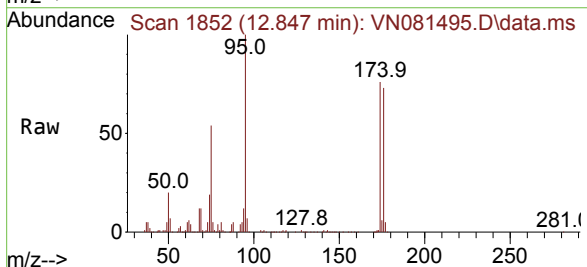
Instrument :
 MSVOA_N
 ClientSampleId :

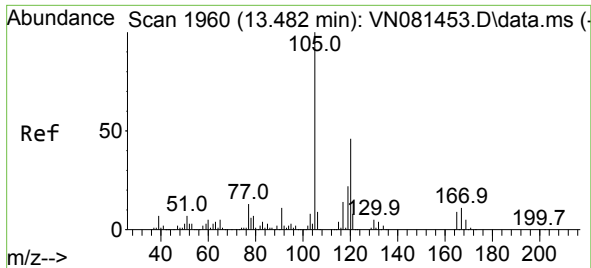
Tgt Ion:105 Resp: 188115
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.0 69.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.206 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081495.D
 Acq: 20 Mar 2024 15:47

Tgt Ion: 75 Resp: 174381
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

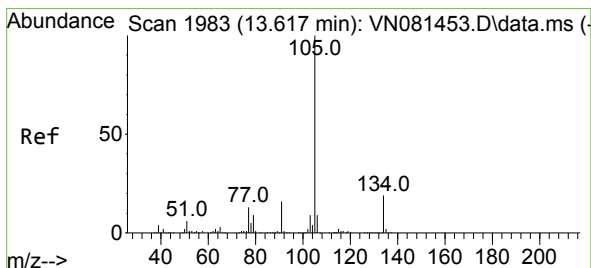
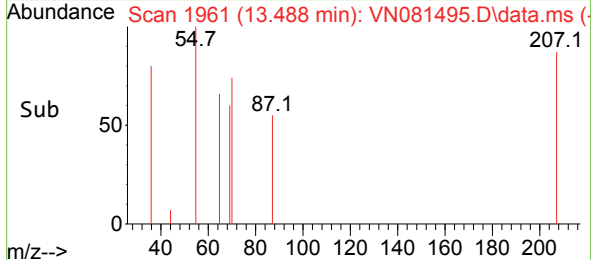
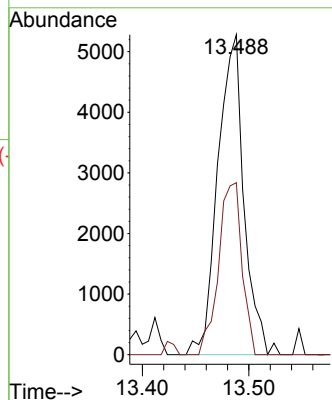
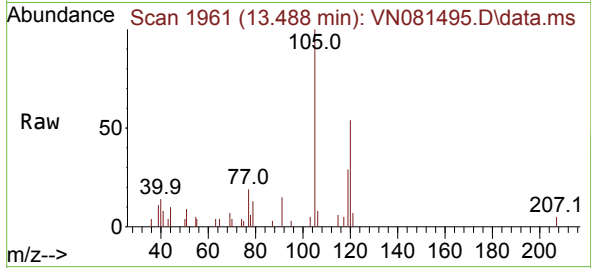




#84
 1,2,4-Trimethylbenzene
 Concen: 0.382 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN081495.D
 Acq: 20 Mar 2024 15:47

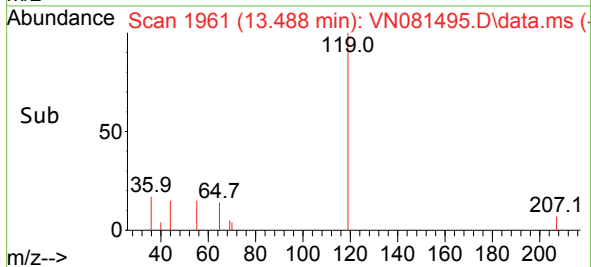
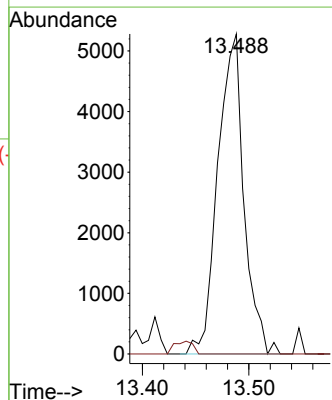
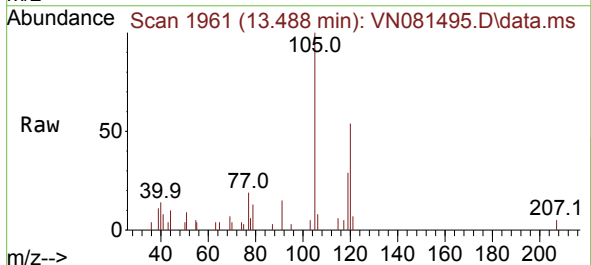
Instrument :
 MSVOA_N
 ClientSampleId :

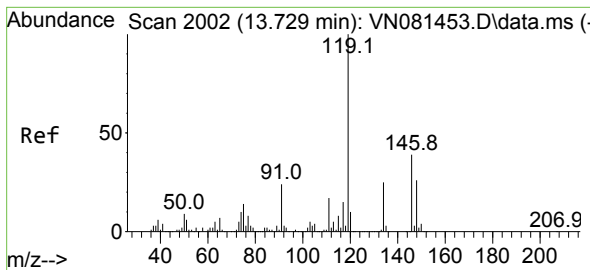
Tgt Ion:105 Resp: 8991
 Ion Ratio Lower Upper
 105 100
 120 48.1 20.9 62.7



#85
 sec-Butylbenzene
 Concen: 0.311 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. -0.129 min
 Lab File: VN081495.D
 Acq: 20 Mar 2024 15:47

Tgt Ion:105 Resp: 8991
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#





#86

p-Isopropyltoluene

Concen: 0.494 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

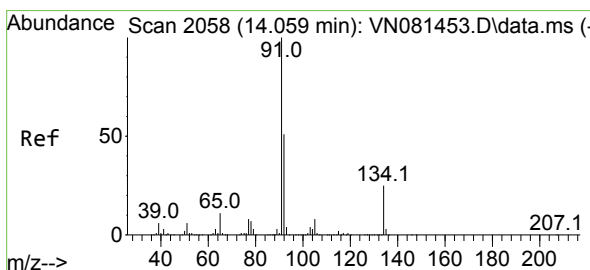
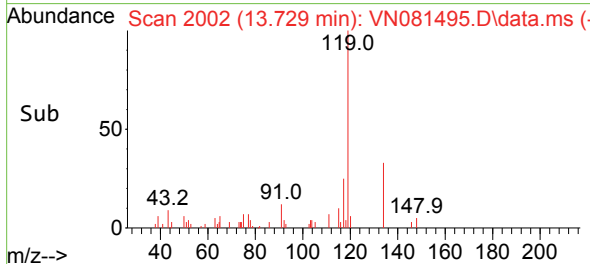
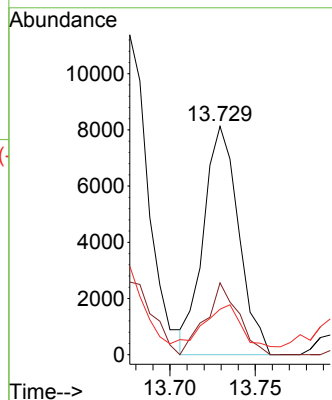
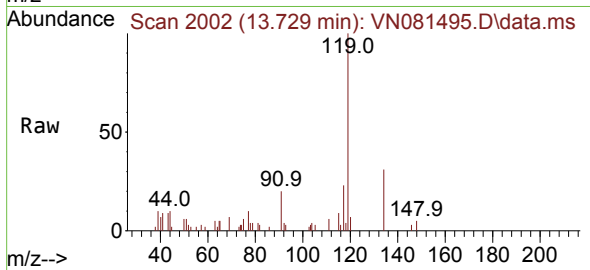
Tgt Ion:119 Resp: 11669

Ion Ratio Lower Upper

119 100

134 29.4 12.4 37.2

91 21.4 13.5 40.4



#89

n-Butylbenzene

Concen: 1.490 ug/l

RT: 14.018 min Scan# 2051

Delta R.T. -0.041 min

Lab File: VN081495.D

Acq: 20 Mar 2024 15:47

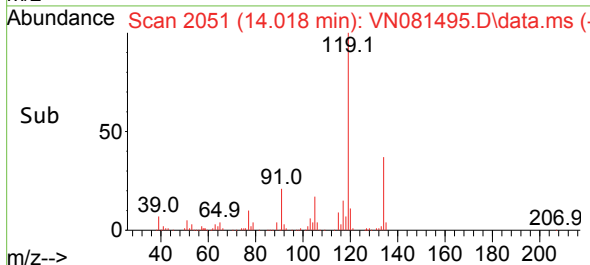
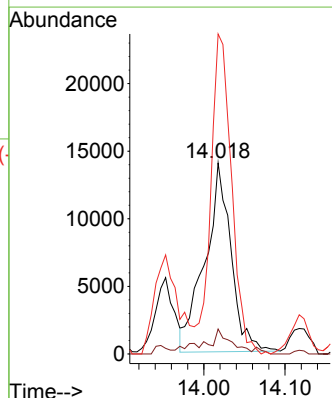
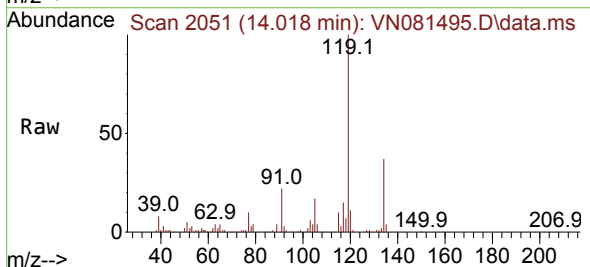
Tgt Ion: 91 Resp: 31188

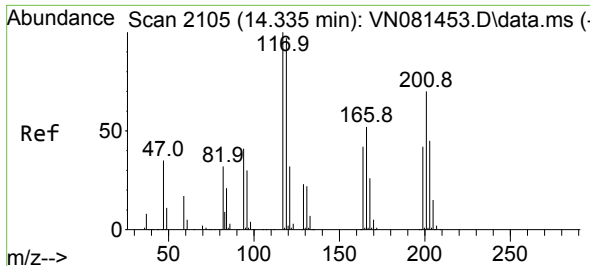
Ion Ratio Lower Upper

91 100

92 8.3 26.7 80.1#

134 134.3 10.8 32.4#

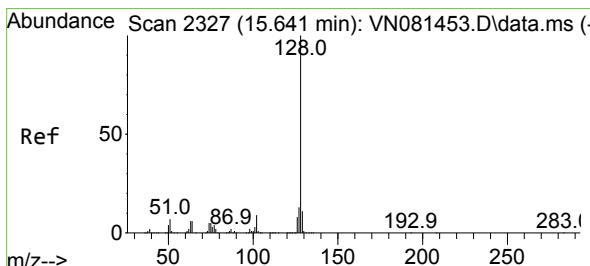
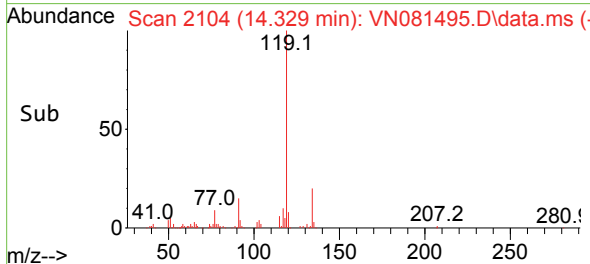
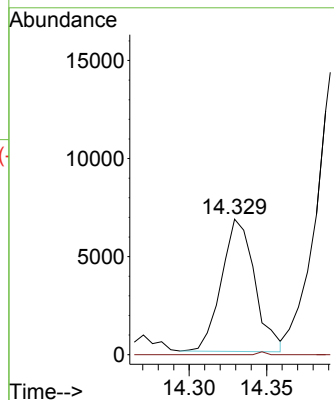
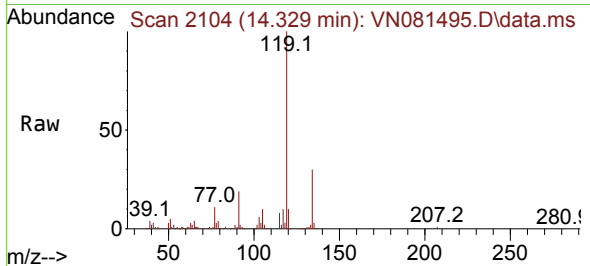




#90
Hexachloroethane
Concen: 2.255 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 10080
Ion Ratio Lower Upper
117 100
201 0.5 30.0 90.0#



#95
Naphthalene
Concen: 0.312 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081495.D
Acq: 20 Mar 2024 15:47

Tgt Ion:128 Resp: 7253
Ion Ratio Lower Upper
128 100
127 7.6 10.0 15.0#
129 0.0 8.7 13.1#

