

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079394.D
 Acq On : 30 Sep 2023 18:10
 Operator : JC\MD
 Sample : PB155992ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:59:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

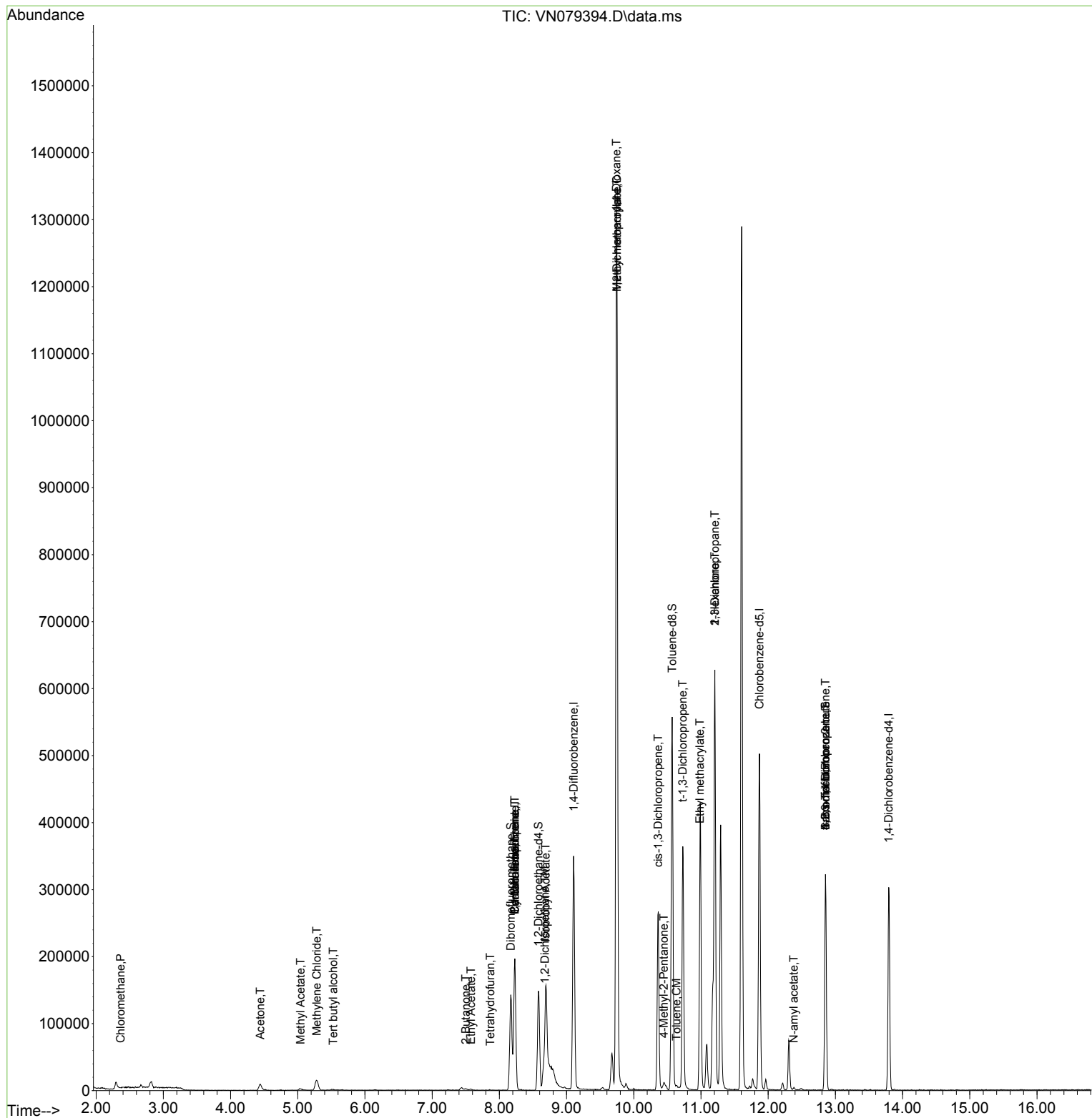
Internal Standards						
1) Pentafluorobenzene	8.230	168	135974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	283701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119565	65.140	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 130.280%#	
35) Dibromofluoromethane	8.171	113	100576	52.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.240%	
50) Toluene-d8	10.571	98	380858	54.269	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.540%	
62) 4-Bromofluorobenzene	12.853	95	106139	47.413	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	408	0.231	ug/l #	42
6) Chloroethane	3.106	64	148	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	689	2.033	ug/l #	72
16) Acetone	4.442	43	18949	24.307	ug/l #	80
18) Methyl Acetate	5.042	43	4555	1.422	ug/l #	80
20) Methylene Chloride	5.283	84	12206	6.434	ug/l	90
25) 2-Butanone	7.500	43	4441	3.926	ug/l	92
29) Tetrahydrofuran	7.865	42	465	0.646	ug/l #	29
31) Cyclohexane	8.230	56	3405	1.270	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	12133	4.118	ug/l #	47
37) Ethyl Acetate	7.577	43	3279	1.116	ug/l #	67
38) Carbon Tetrachloride	8.230	117	15459	5.071	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	1026	0.330	ug/l #	73
43) Isopropyl Acetate	8.688	43	214333	44.703	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1573	0.703	ug/l #	45
48) Methyl methacrylate	9.747	41	126619	58.958	ug/l #	28
49) 1,4-Dioxane	9.741	88	73	1.653	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12522	4.499	ug/l #	66
52) Toluene	10.635	92	1276	0.230	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1047	0.319	ug/l #	52
54) cis-1,3-Dichloropropene	10.365	75	44018	12.542	ug/l #	72
56) Ethyl methacrylate	10.982	69	2267	0.738	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6322	1.682	ug/l #	42
59) 2-Hexanone	11.206	43	78135	38.760	ug/l #	47
71) Bromoform	12.853	173	679	0.382	ug/l #	1
74) N-amyl acetate	12.382	43	1103	0.410	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	59515	28.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59515	77.865	ug/l #	15

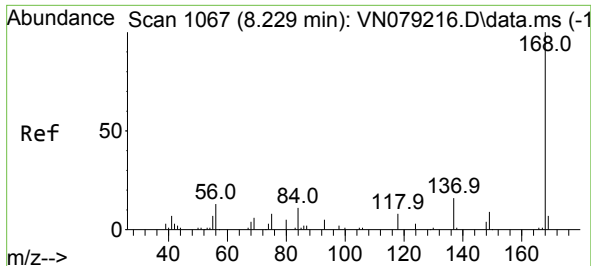
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
Data File : VN079394.D
Acq On : 30 Sep 2023 18:10
Operator : JC\MD
Sample : PB155992ZHE#14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 02 01:59:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

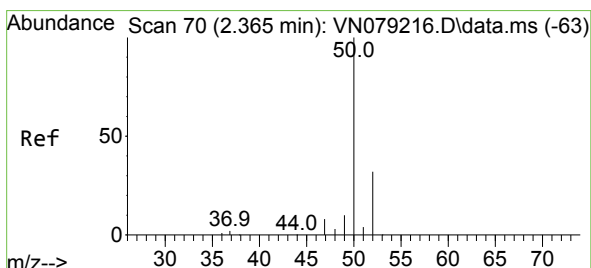
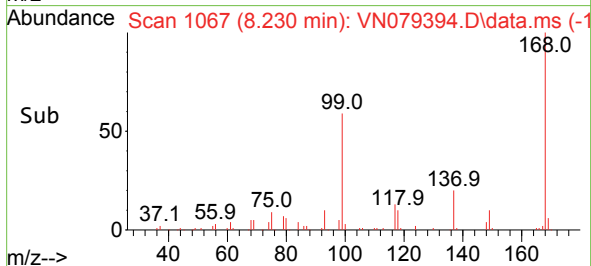
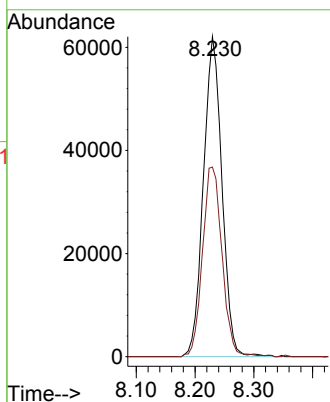
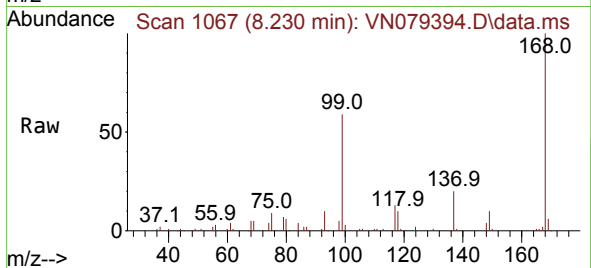




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

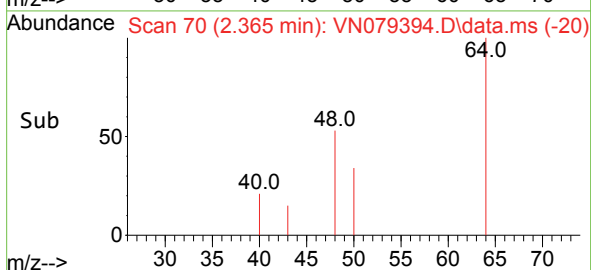
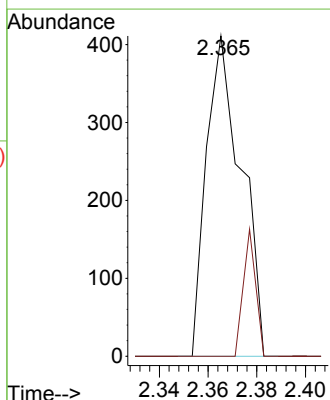
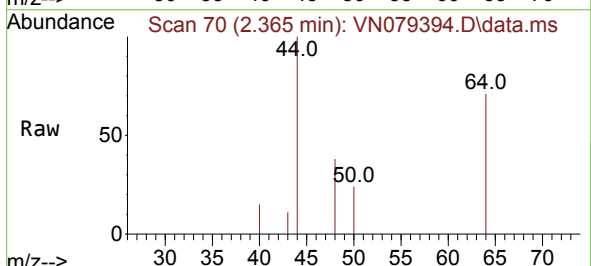
Instrument :
MSVOA_N
ClientSampleId :

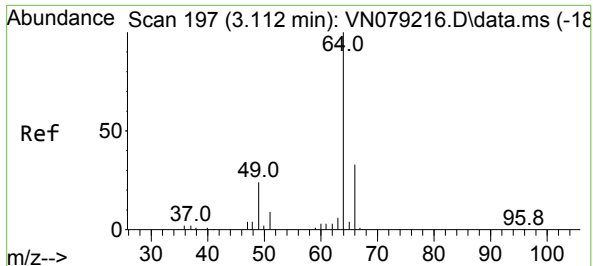
Tgt Ion:168 Resp: 135974
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 50 Resp: 408
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

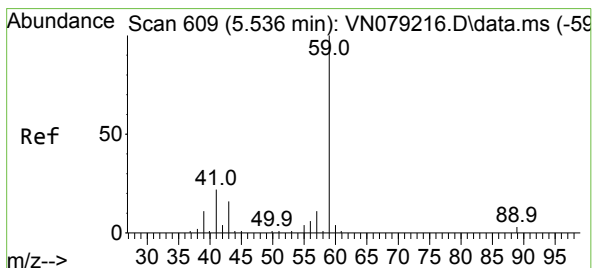
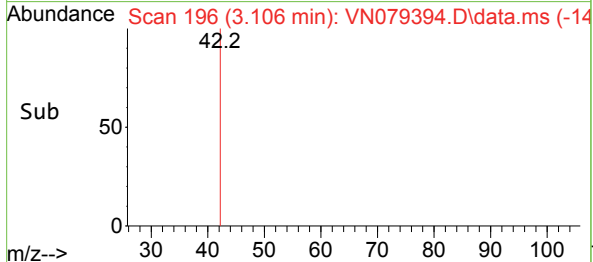
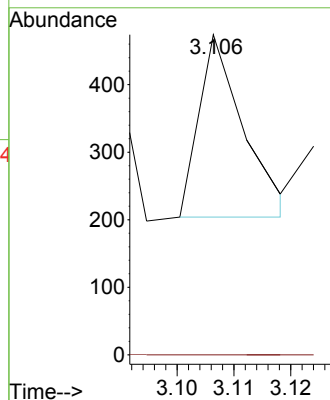
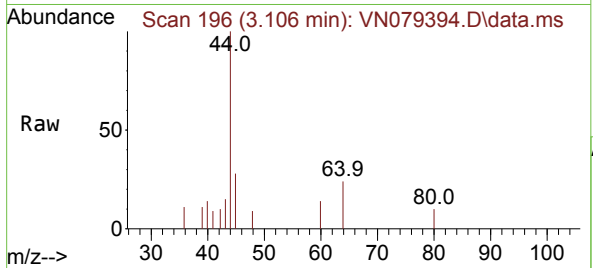




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

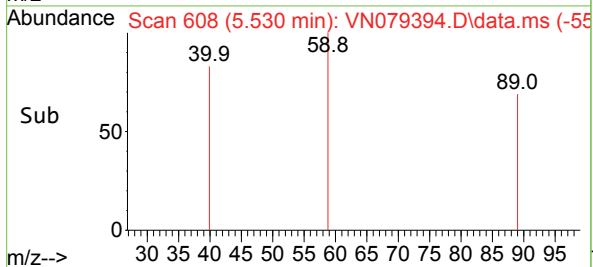
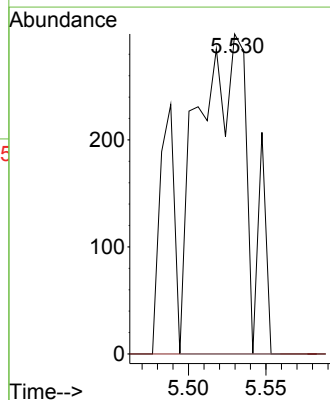
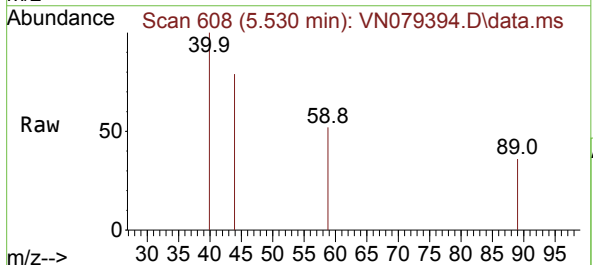
Instrument :
MSVOA_N
ClientSampleId :

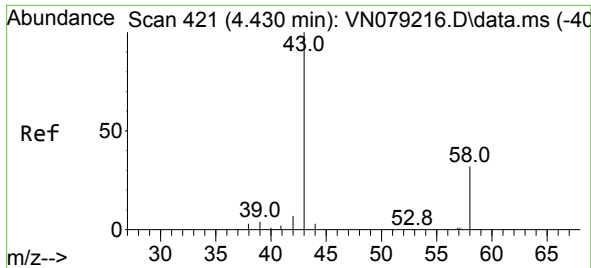
Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.033 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 59 Resp: 689
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 24.307 ug/l

RT: 4.442 min Scan# 43

Delta R.T. -0.000 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Instrument :

MSVOA_N

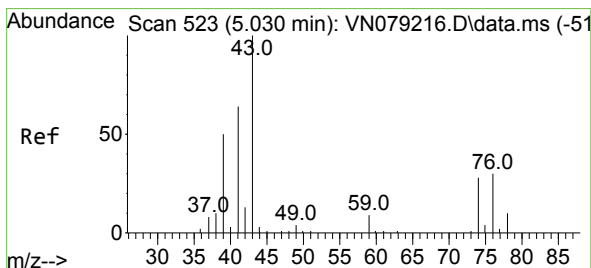
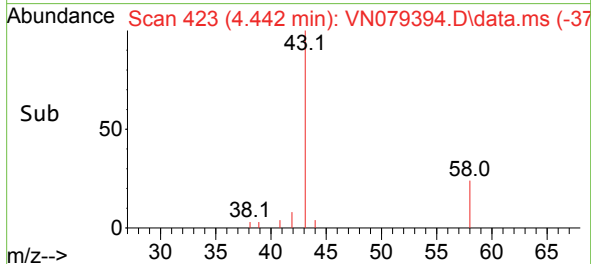
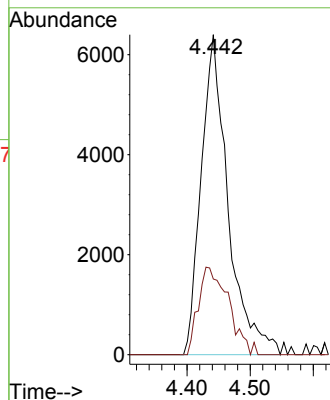
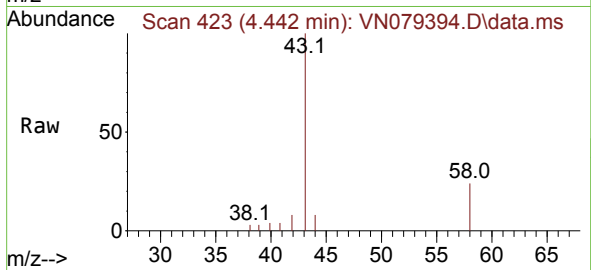
ClientSampleId :

Tgt Ion: 43 Resp: 18949

Ion Ratio Lower Upper

43 100

58 23.7 28.0 42.0#



#18

Methyl Acetate

Concen: 1.422 ug/l

RT: 5.042 min Scan# 525

Delta R.T. -0.000 min

Lab File: VN079394.D

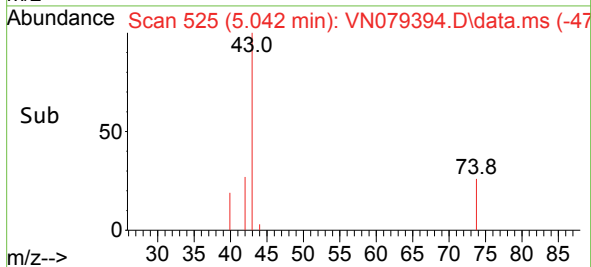
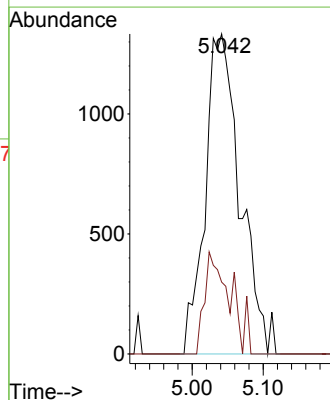
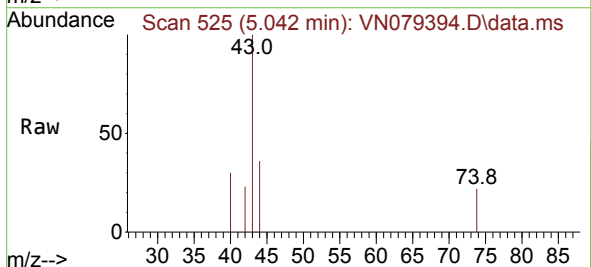
Acq: 30 Sep 2023 18:10

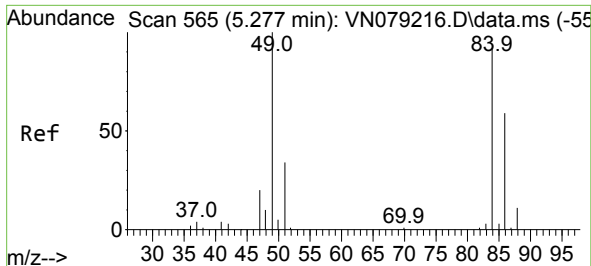
Tgt Ion: 43 Resp: 4555

Ion Ratio Lower Upper

43 100

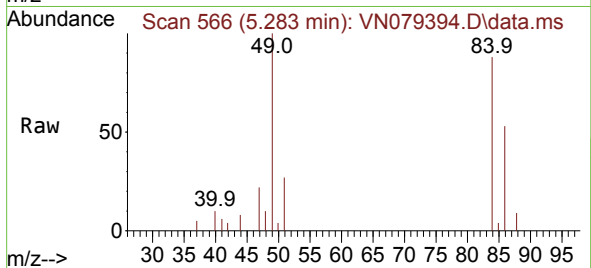
74 21.5 26.2 39.4#



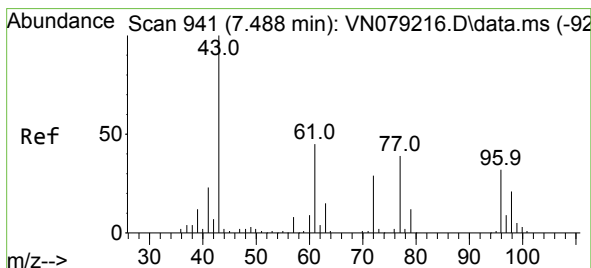
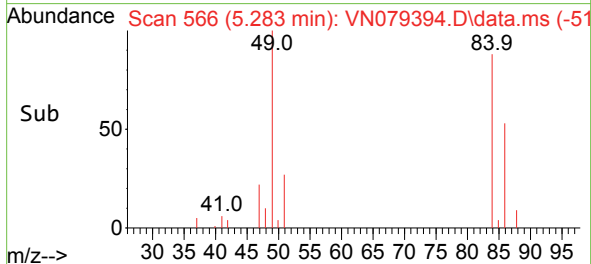
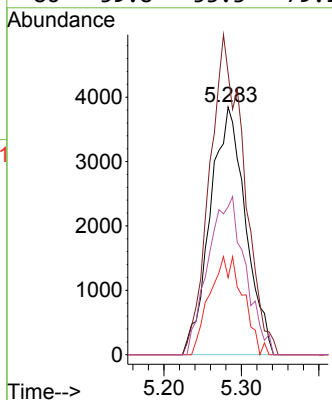


#20
Methylene Chloride
Concen: 6.434 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

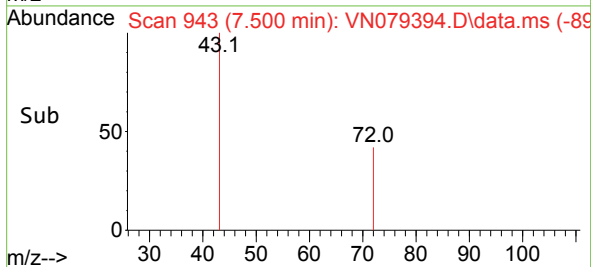
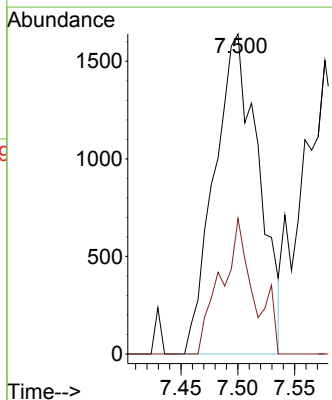
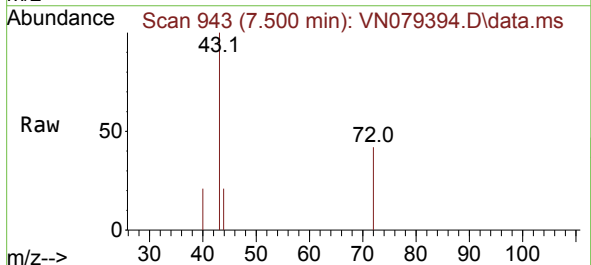


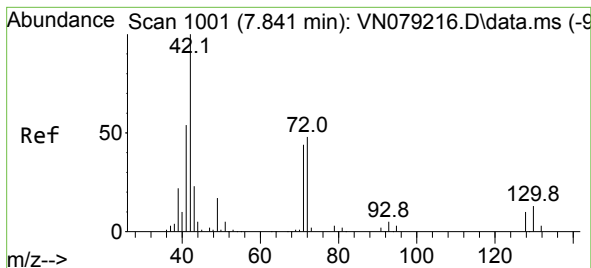
Tgt Ion:	84	Resp:	12206
Ion	Ratio	Lower	Upper
84	100		
49	113.6	79.7	119.5
51	31.1	25.2	37.8
86	59.8	53.3	79.9



#25
2-Butanone
Concen: 3.926 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion:	43	Resp:	4441
Ion	Ratio	Lower	Upper
43	100		
72	42.4	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.018 min

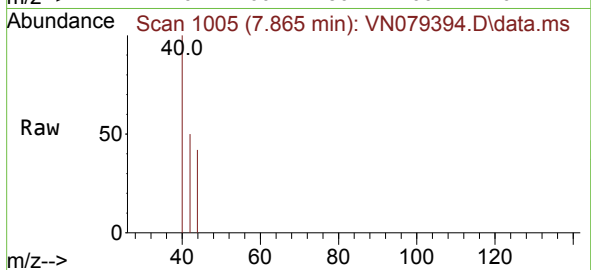
Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

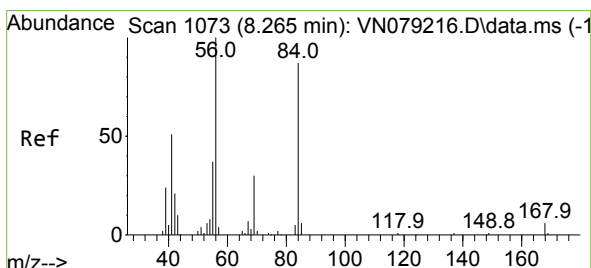
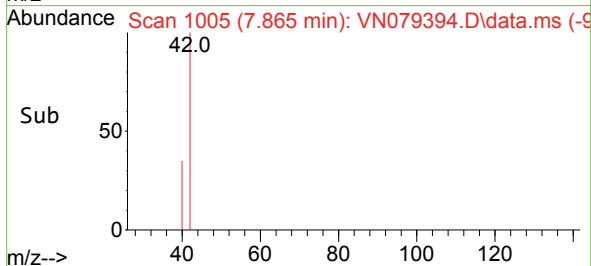
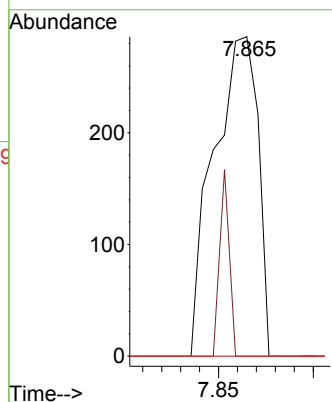
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	465
Ion Ratio	Lower	Upper	
42	100		
72	12.7	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.270 ug/l

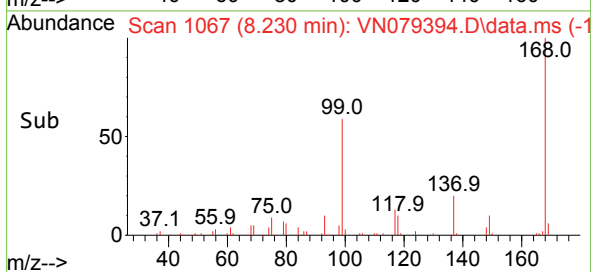
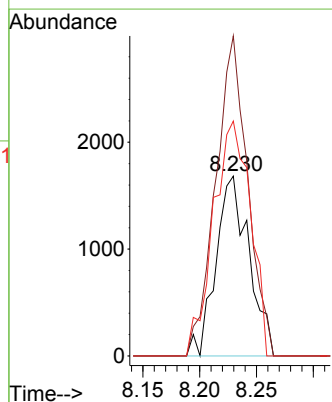
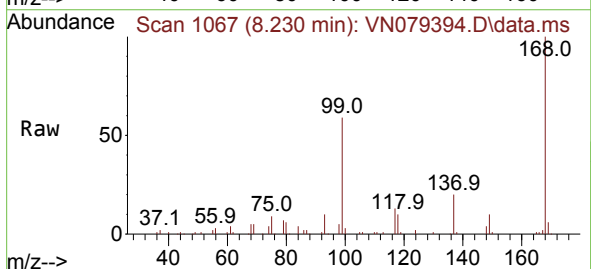
RT: 8.230 min Scan# 1067

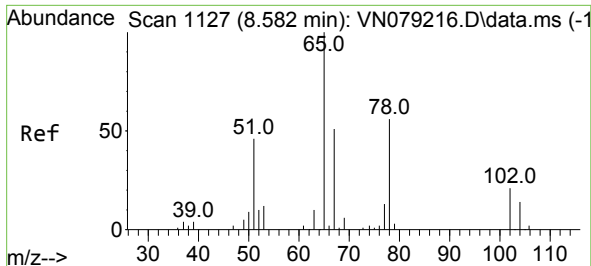
Delta R.T. -0.035 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Tgt Ion:	56	Resp:	3405
Ion Ratio	Lower	Upper	
56	100		
69	178.0	26.8	40.2#
84	130.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 65.140 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Instrument :

MSVOA_N

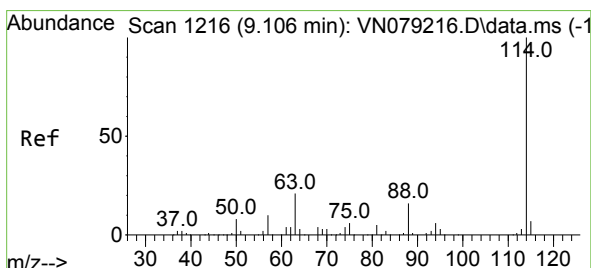
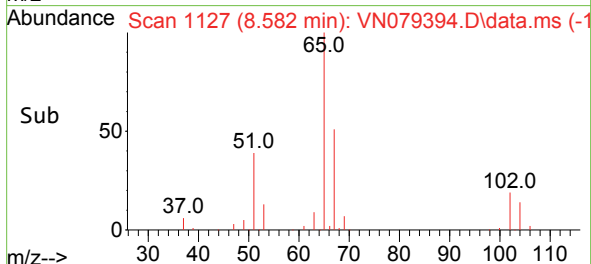
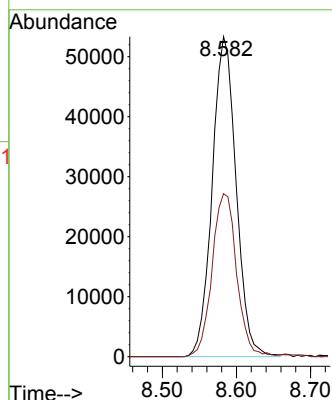
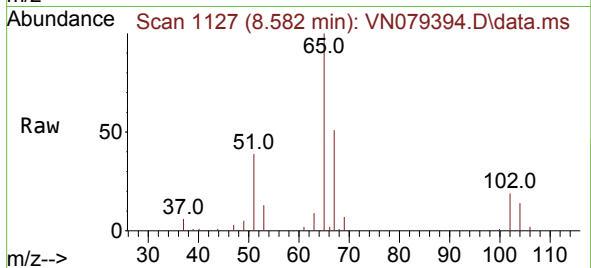
ClientSampleId :

Tgt Ion: 65 Resp: 119565

Ion Ratio Lower Upper

65 100

67 52.3 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: VN079394.D

Acq: 30 Sep 2023 18:10

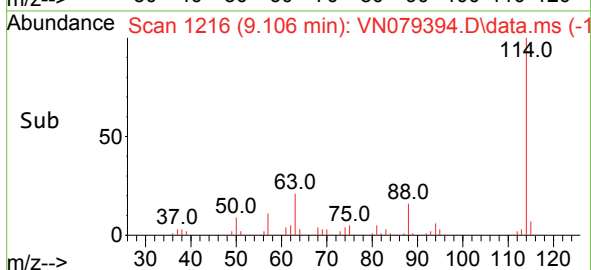
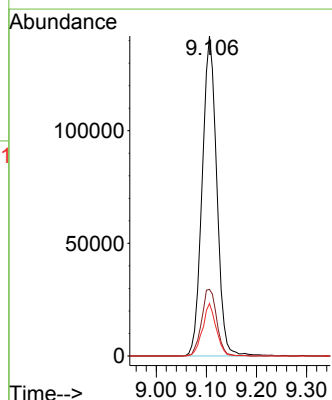
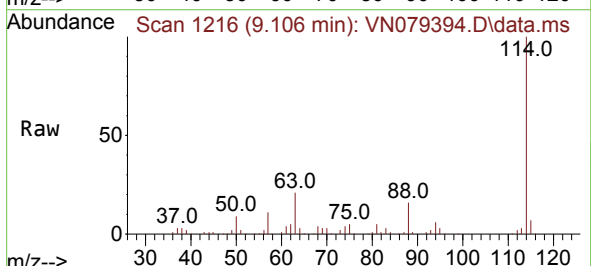
Tgt Ion: 114 Resp: 287334

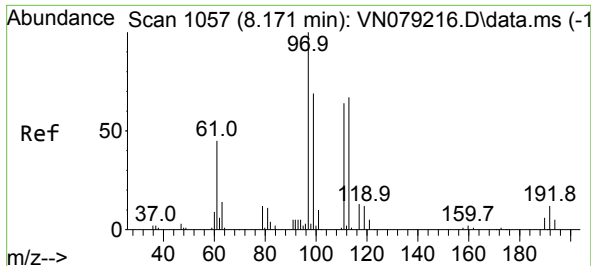
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

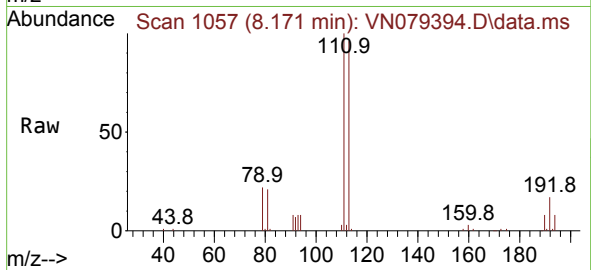
88 16.4 0.0 30.6



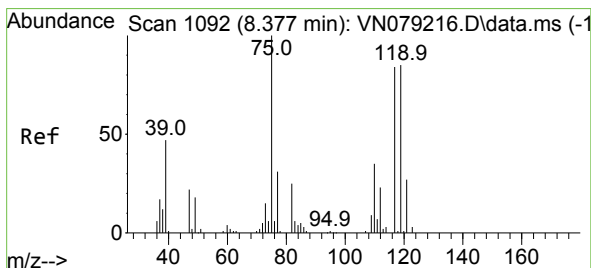
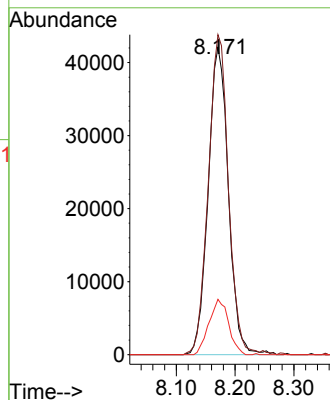
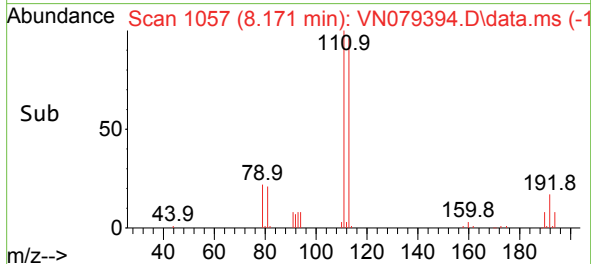


#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

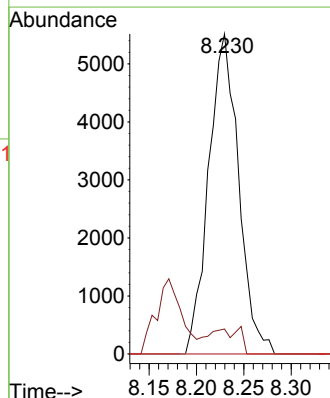
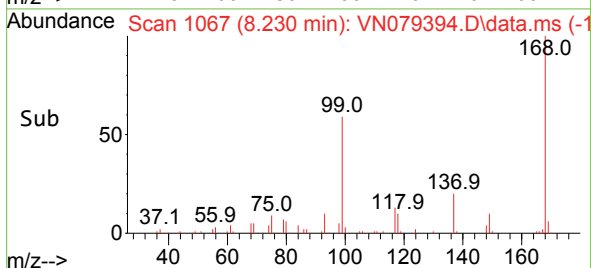
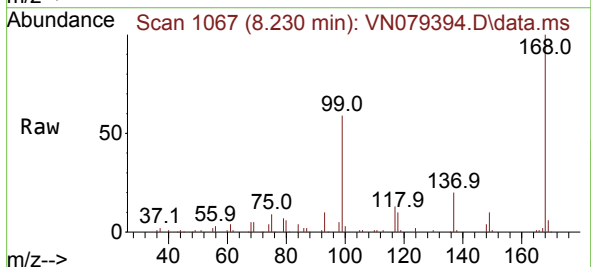


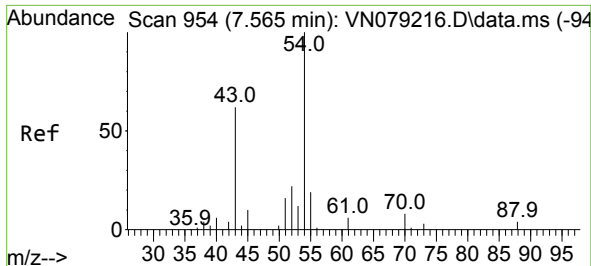
Tgt Ion:113 Resp: 100576
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 75 Resp: 12133
Ion Ratio Lower Upper
75 100
110 7.8 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.116 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

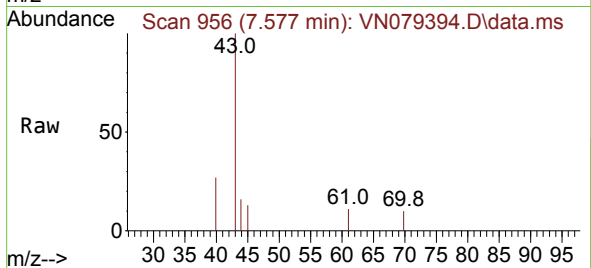
Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :



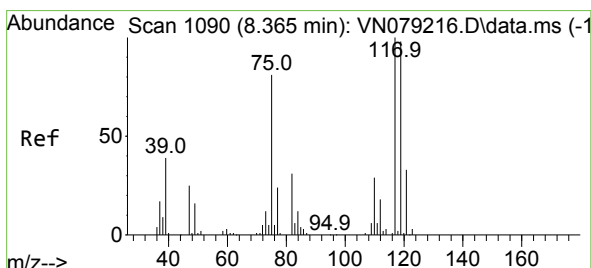
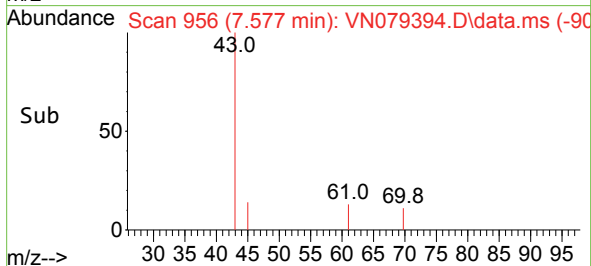
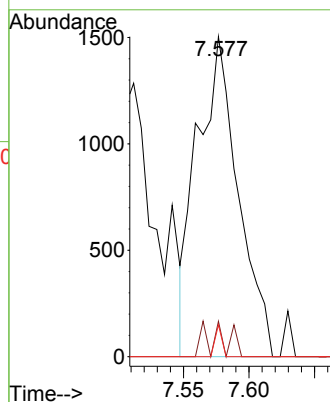
Tgt Ion: 43 Resp: 3279

Ion Ratio Lower Upper

43 100

61 1.8 13.2 19.8#

70 1.6 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

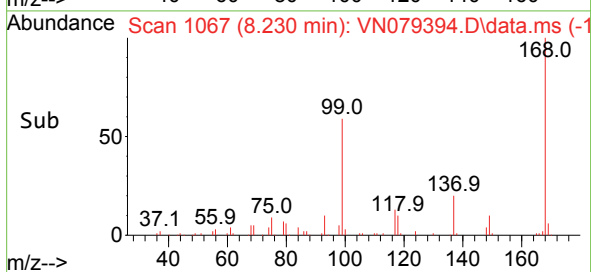
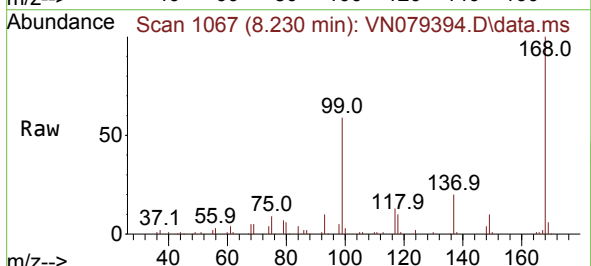
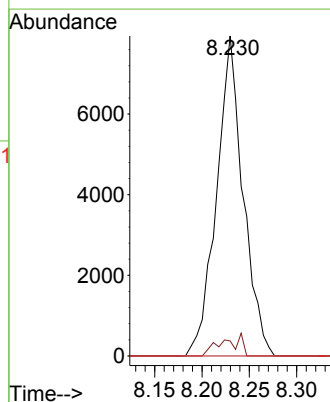
Tgt Ion: 117 Resp: 15459

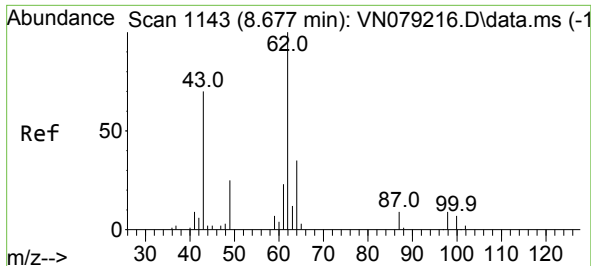
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.330 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Instrument :

MSVOA_N

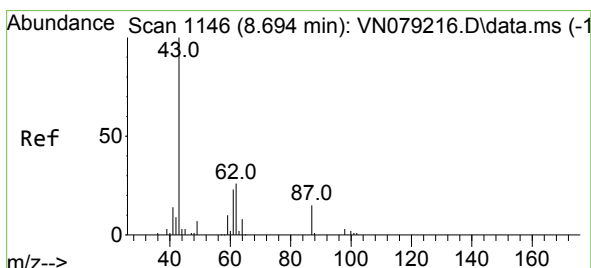
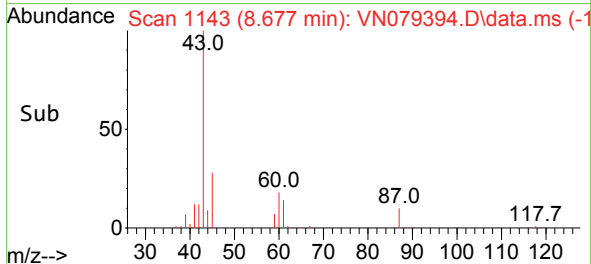
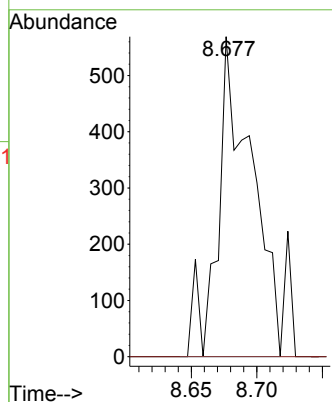
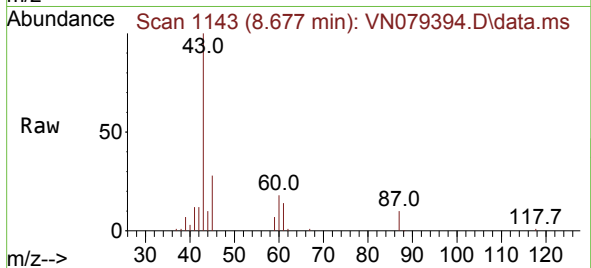
ClientSampleId :

Tgt Ion: 62 Resp: 1026

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 44.703 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

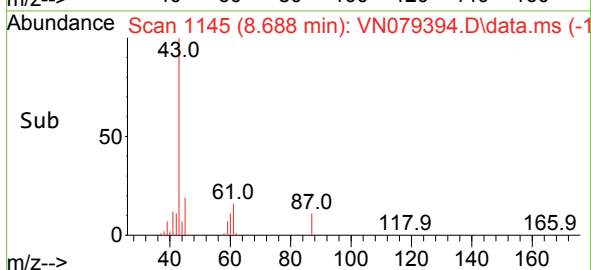
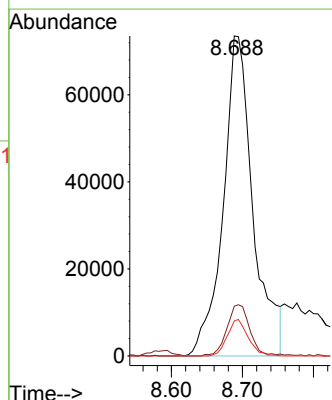
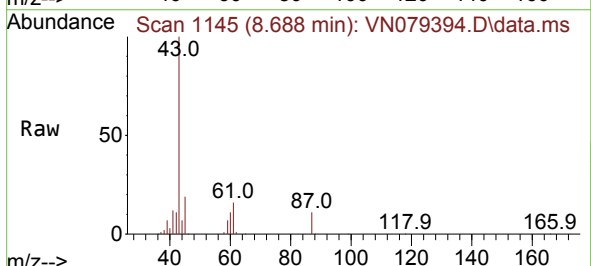
Tgt Ion: 43 Resp: 214333

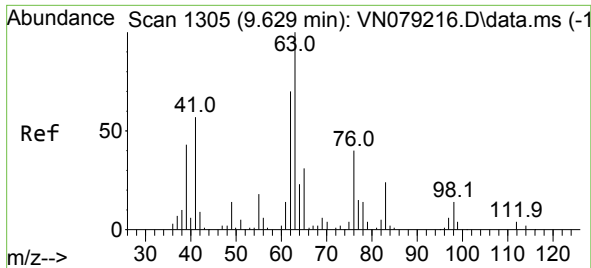
Ion Ratio Lower Upper

43 100

61 12.5 24.7 37.1#

87 7.9 14.6 21.8#

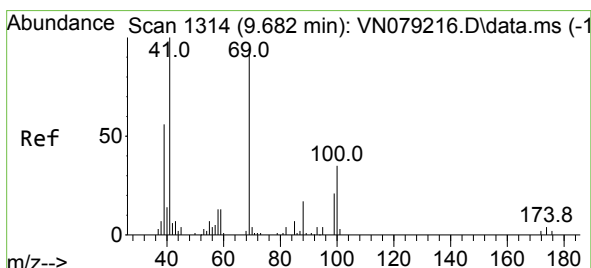
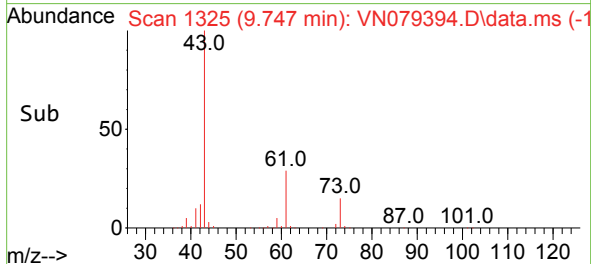
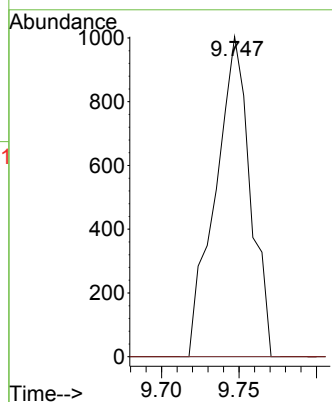
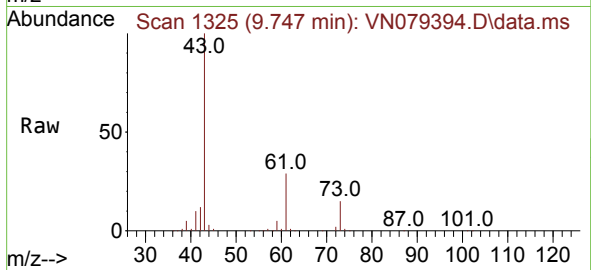




#45
1,2-Dichloropropane
Concen: 0.703 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

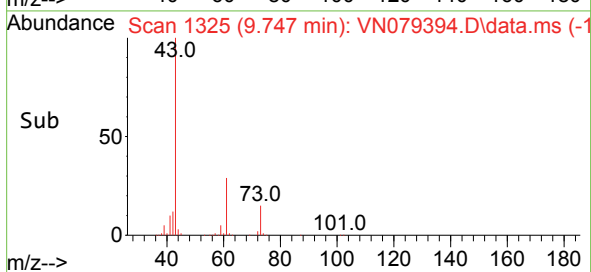
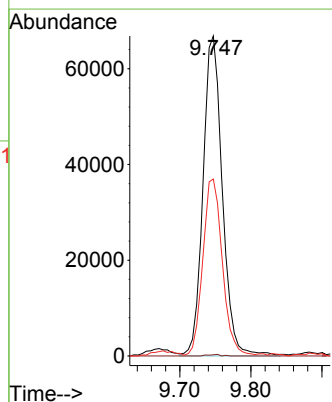
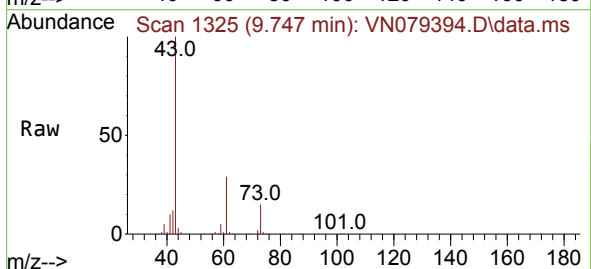
Instrument :
MSVOA_N
ClientSampleId :

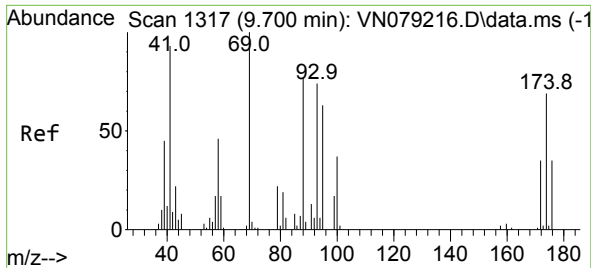
Tgt Ion: 63 Resp: 1573
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 58.958 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

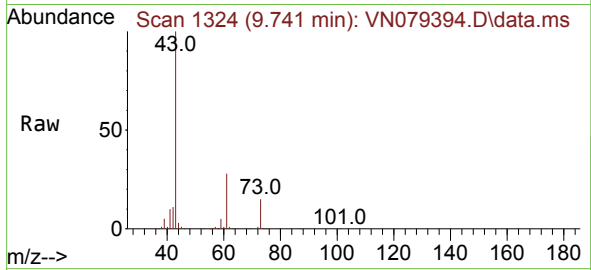
Tgt Ion: 41 Resp: 126619
Ion Ratio Lower Upper
41 100
69 0.3 90.4 135.6#
39 55.2 54.6 81.8



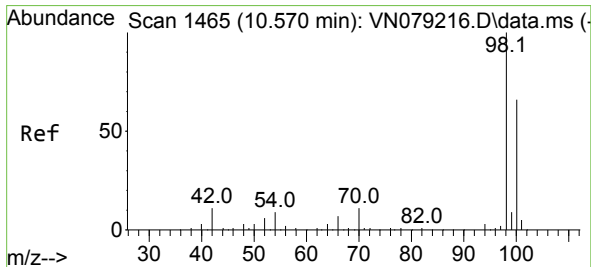
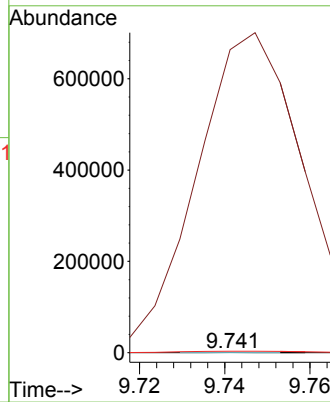
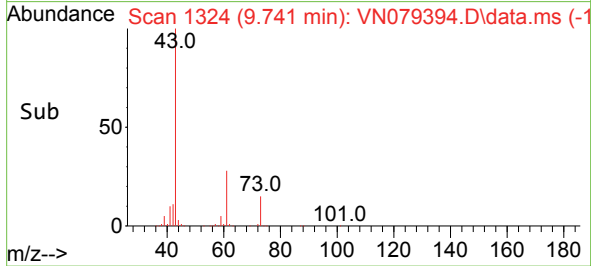


#49
1,4-Dioxane
Concen: 1.653 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

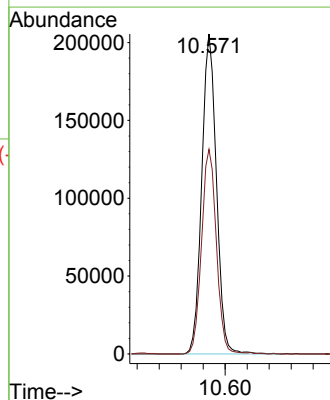
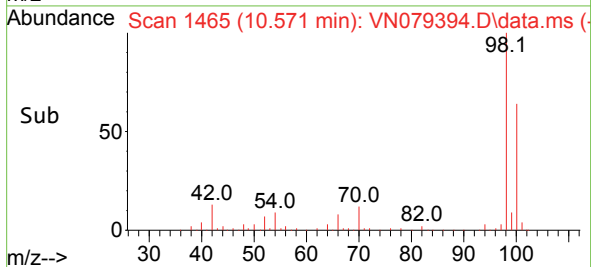
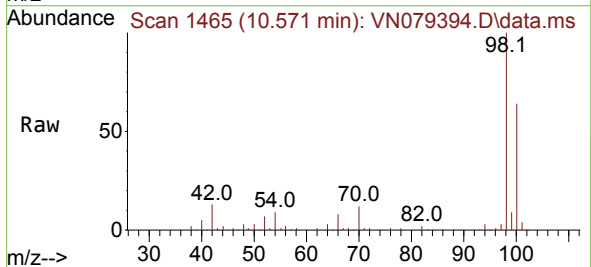


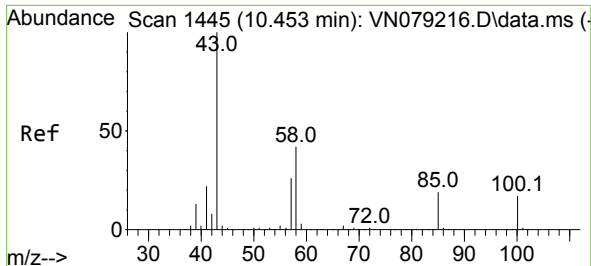
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1753831.5 17.0 25.6#
58 9250.7 47.0 70.4#



#50
Toluene-d8
Concen: 54.269 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 98 Resp: 380858
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

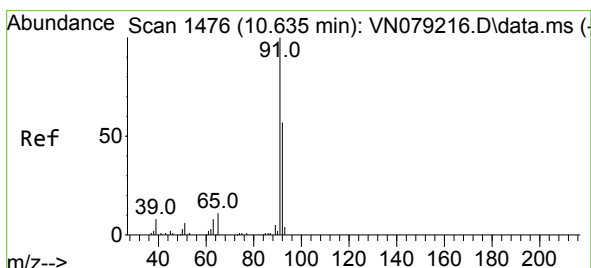
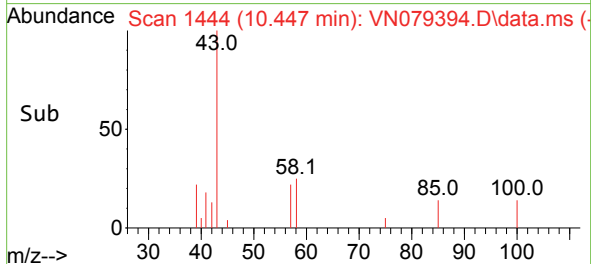
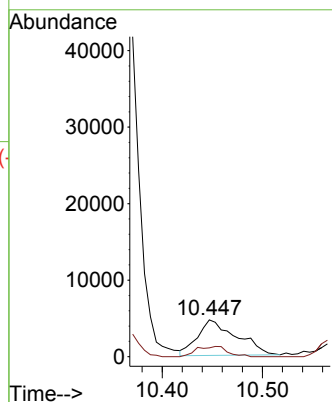
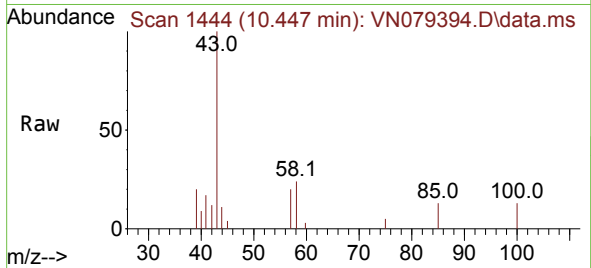




#51
4-Methyl-2-Pentanone
Concen: 4.499 ug/l
RT: 10.447 min Scan# 1445
Delta R.T. -0.006 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

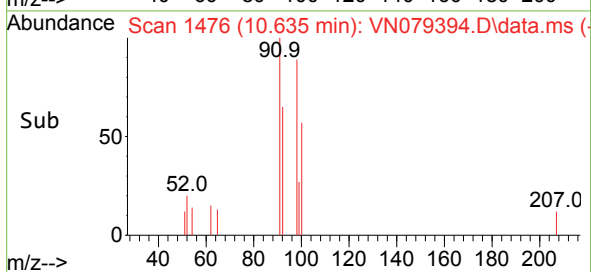
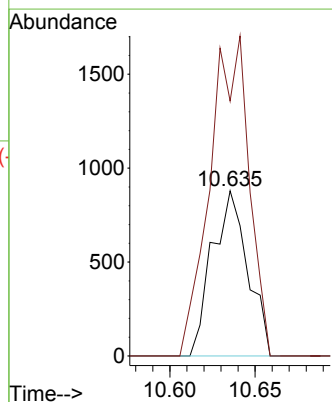
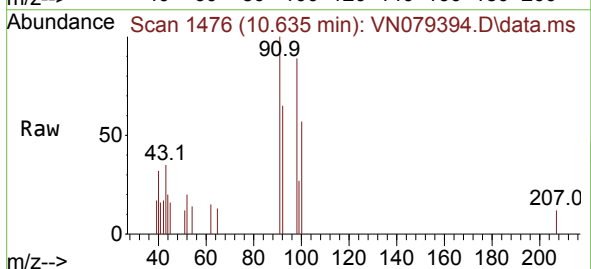
Instrument :
MSVOA_N
ClientSampleId :

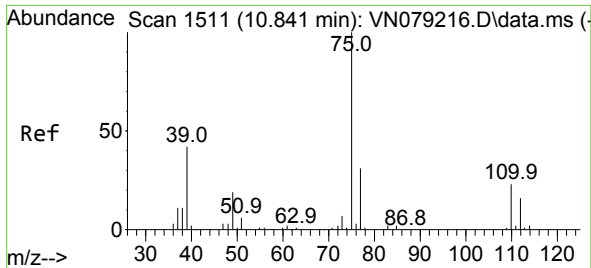
Tgt Ion: 43 Resp: 12522
Ion Ratio Lower Upper
43 100
58 23.1 36.6 54.8#



#52
Toluene
Concen: 0.230 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 92 Resp: 1276
Ion Ratio Lower Upper
92 100
91 212.2 137.4 206.0#

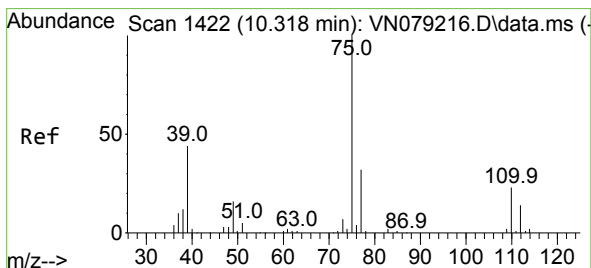
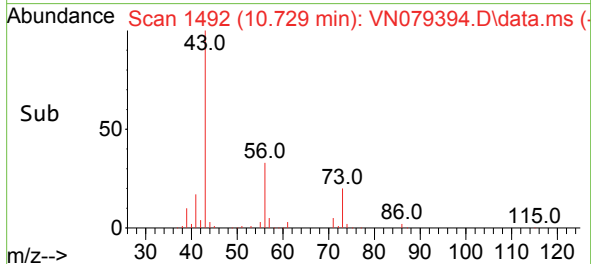
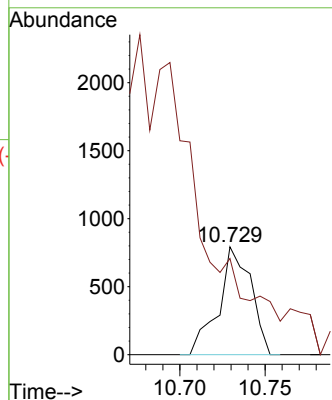
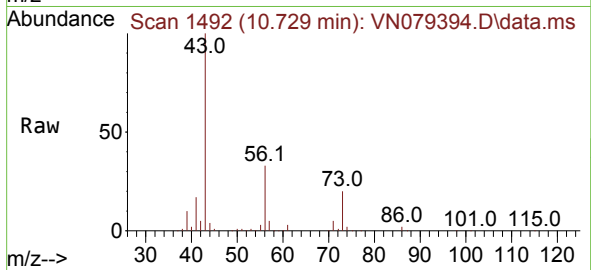




#53
t-1,3-Dichloropropene
Concen: 0.319 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.112 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

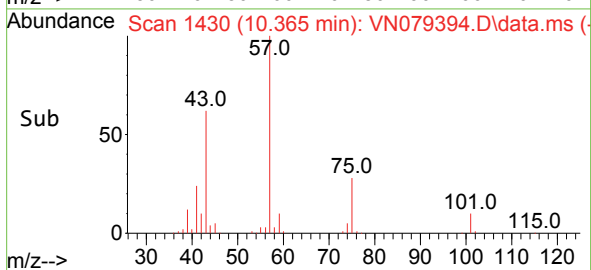
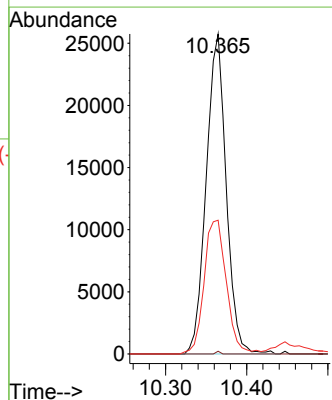
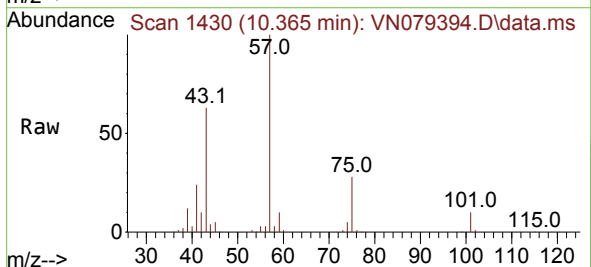
Instrument :
MSVOA_N
ClientSampleId :

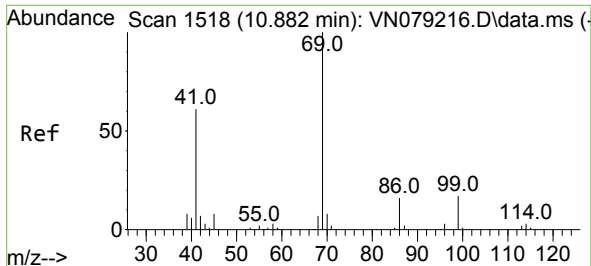
Tgt Ion: 75 Resp: 1047
Ion Ratio Lower Upper
75 100
77 58.1 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 12.542 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 75 Resp: 44018
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 41.8 31.6 47.4

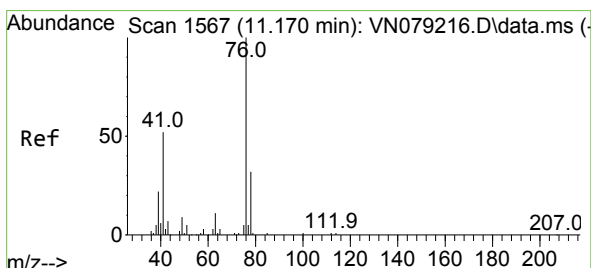
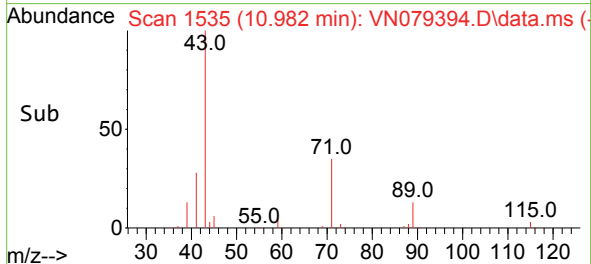
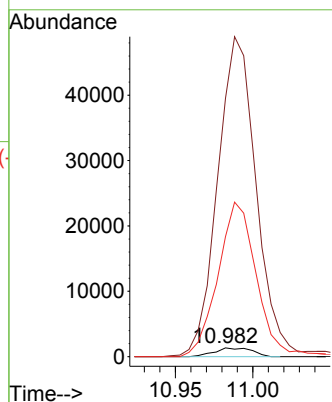
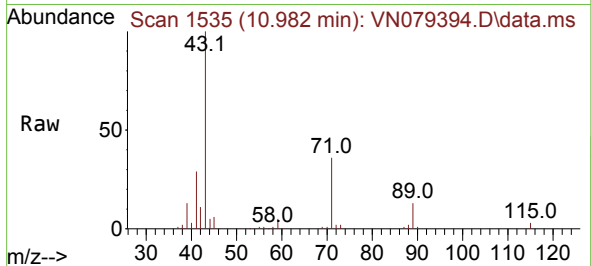




#56
Ethyl methacrylate
Concen: 0.738 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

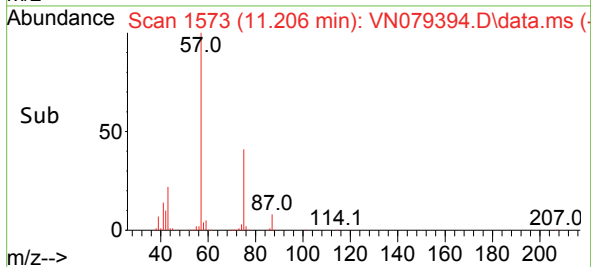
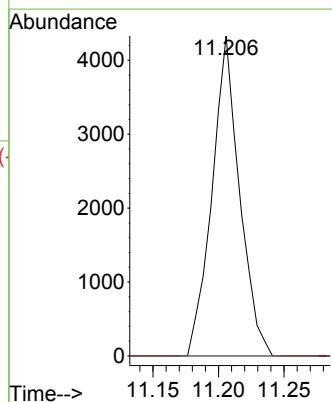
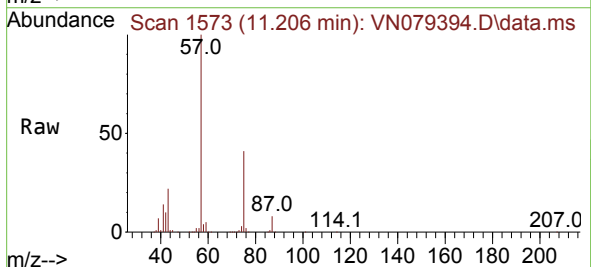
Instrument :
MSVOA_N
ClientSampleId :

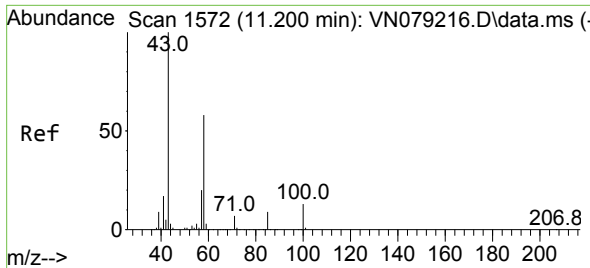
Tgt Ion: 69 Resp: 2267
Ion Ratio Lower Upper
69 100
41 3768.0 39.6 59.4#
39 1801.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.682 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Tgt Ion: 76 Resp: 6322
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

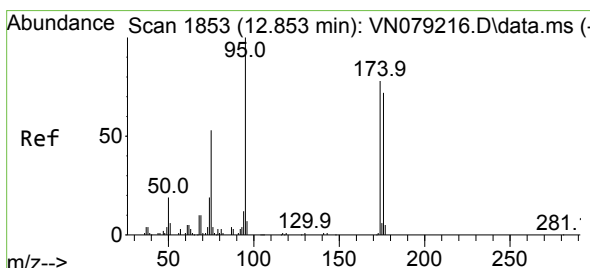
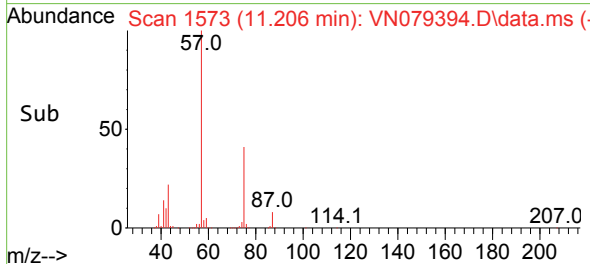
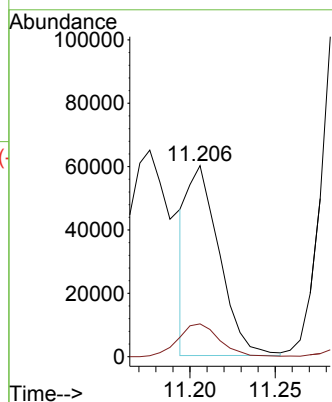
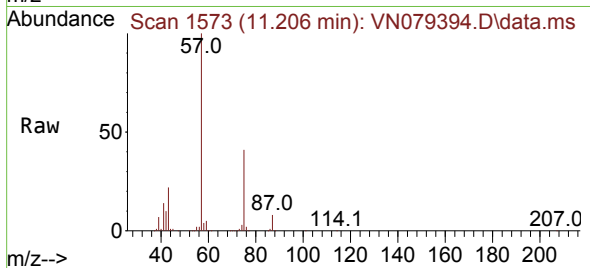




#59
2-Hexanone
Concen: 38.760 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

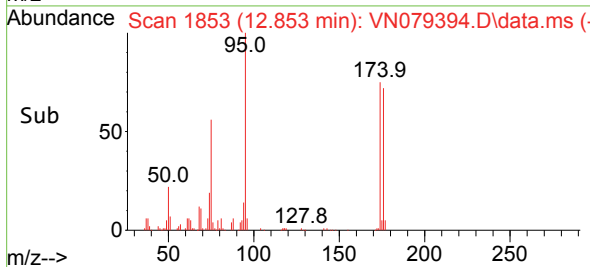
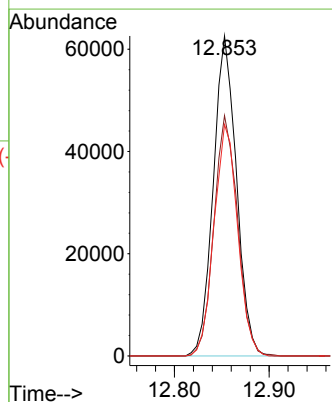
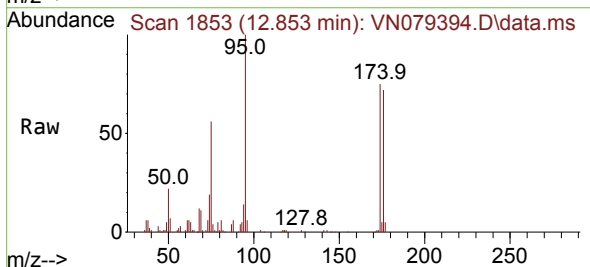
Instrument :
MSVOA_N
ClientSampleId :

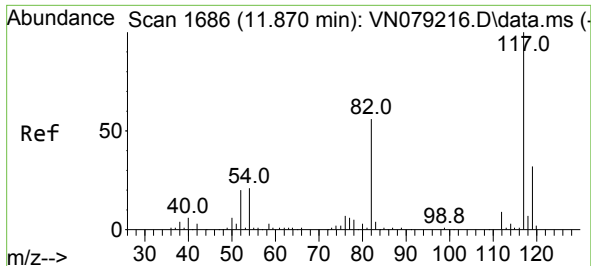
Tgt Ion: 43 Resp: 78135
Ion Ratio Lower Upper
43 100
58 22.5 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.413 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

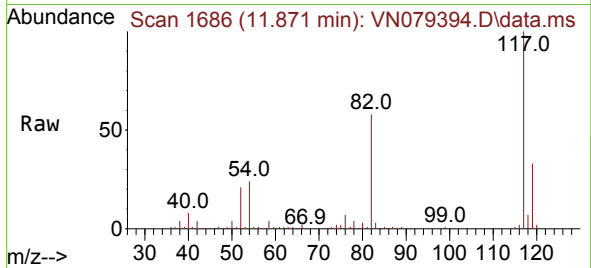
Tgt Ion: 95 Resp: 106139
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 74.0 0.0 135.8



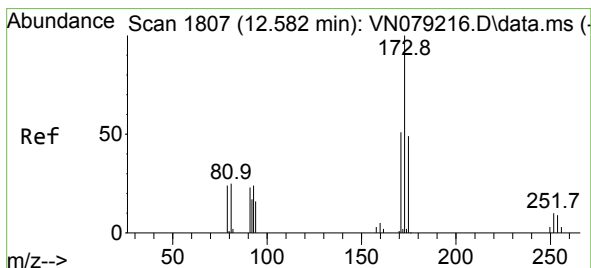
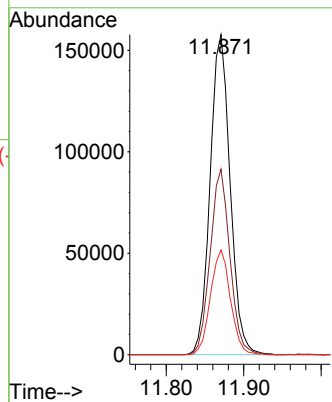
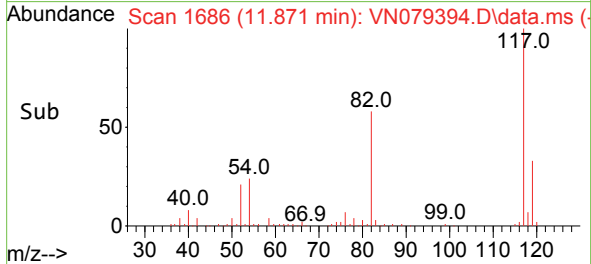


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

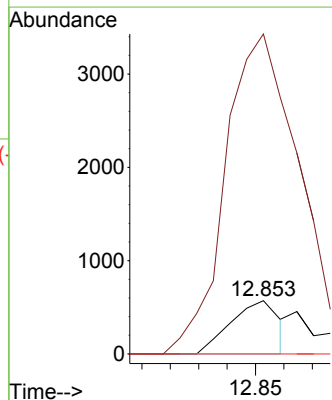
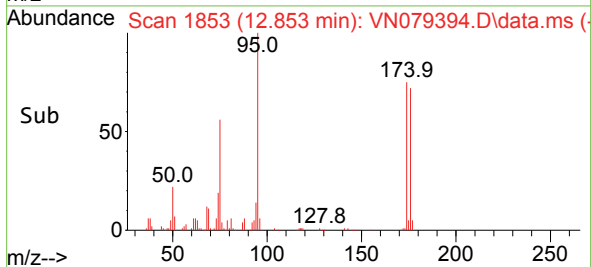
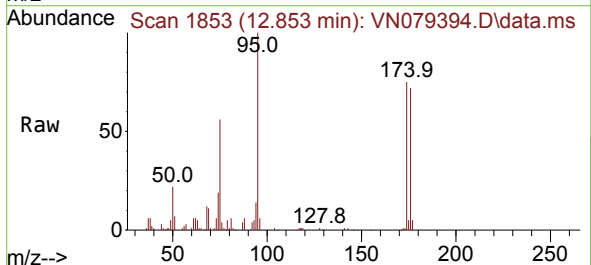


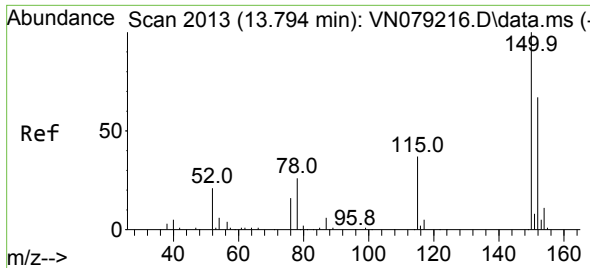
Tgt Ion:117 Resp: 283701
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.382 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079394.D
Acq: 30 Sep 2023 18:10

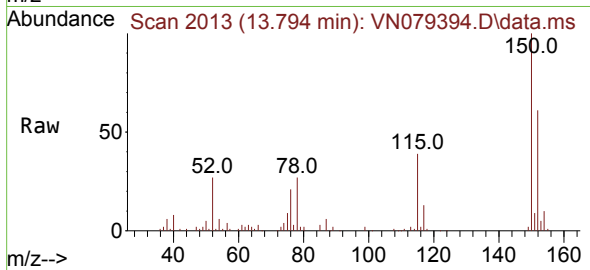
Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 690.9 24.3 73.0#
254 0.0 0.0 0.0



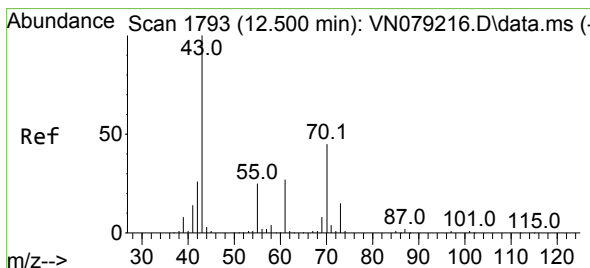
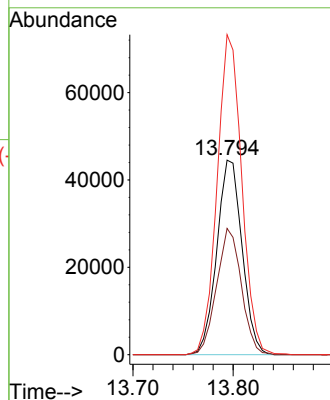
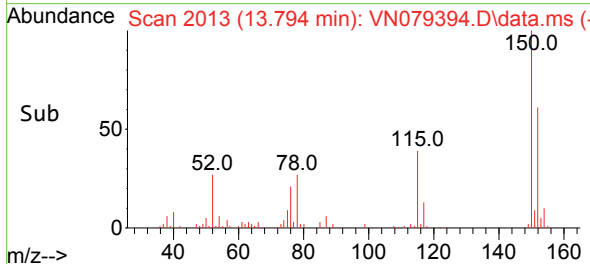


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079394.D
 Acq: 30 Sep 2023 18:10

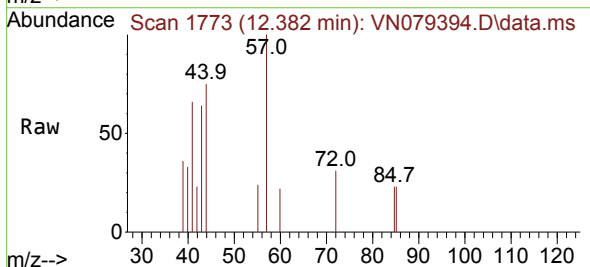
Instrument :
 MSVOA_N
 ClientSampleId :



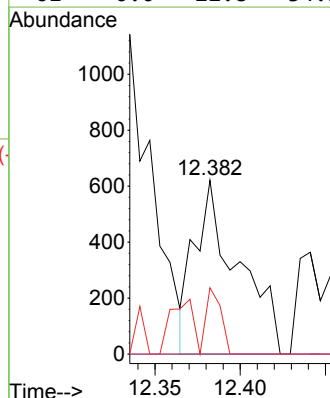
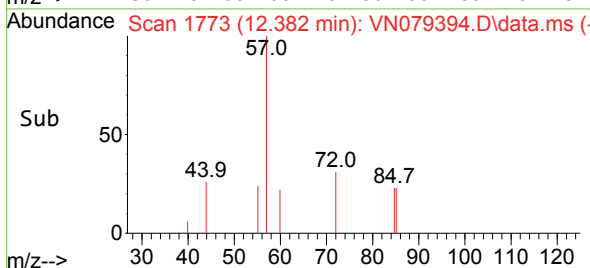
Tgt Ion:152 Resp: 77967
 Ion Ratio Lower Upper
 152 100
 115 63.3 32.3 96.8
 150 160.3 0.0 355.8

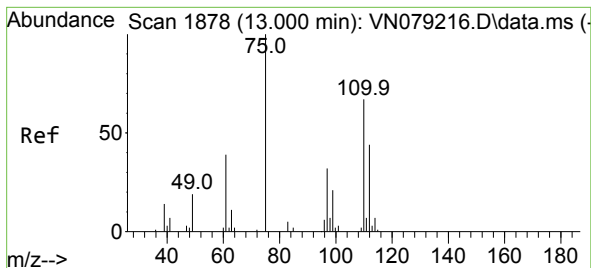


#74
 N-ethyl acetate
 Concen: 0.410 ug/l
 RT: 12.382 min Scan# 1773
 Delta R.T. -0.118 min
 Lab File: VN079394.D
 Acq: 30 Sep 2023 18:10



Tgt Ion: 43 Resp: 1103
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 13.1 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.323 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Instrument :

MSVOA_N

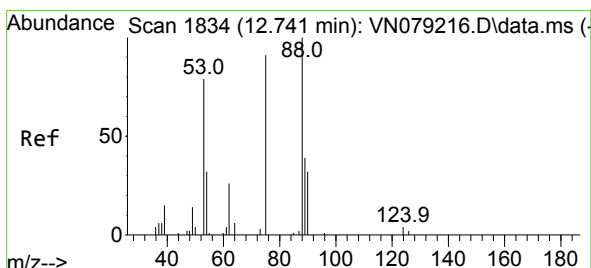
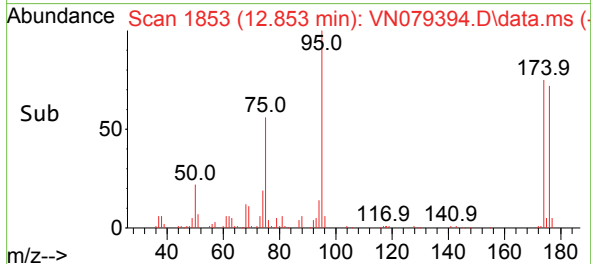
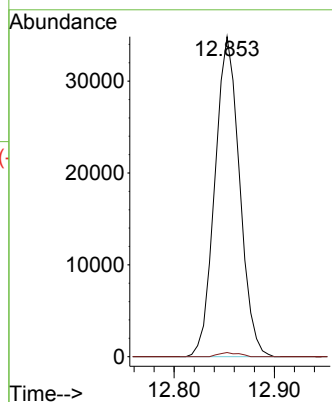
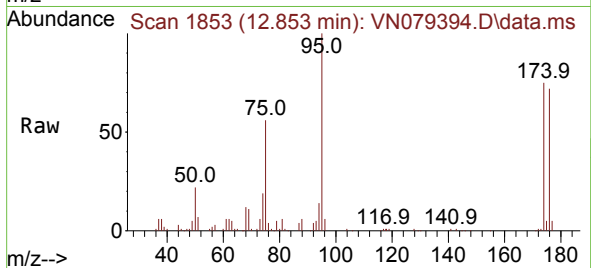
ClientSampleId :

Tgt Ion: 75 Resp: 59515

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.865 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079394.D

Acq: 30 Sep 2023 18:10

Tgt Ion: 75 Resp: 59515

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

