

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078900.D
 Acq On : 16 Aug 2023 14:04
 Operator : JC\MD
 Sample : PB154855ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#03

Quant Time: Aug 17 01:16:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

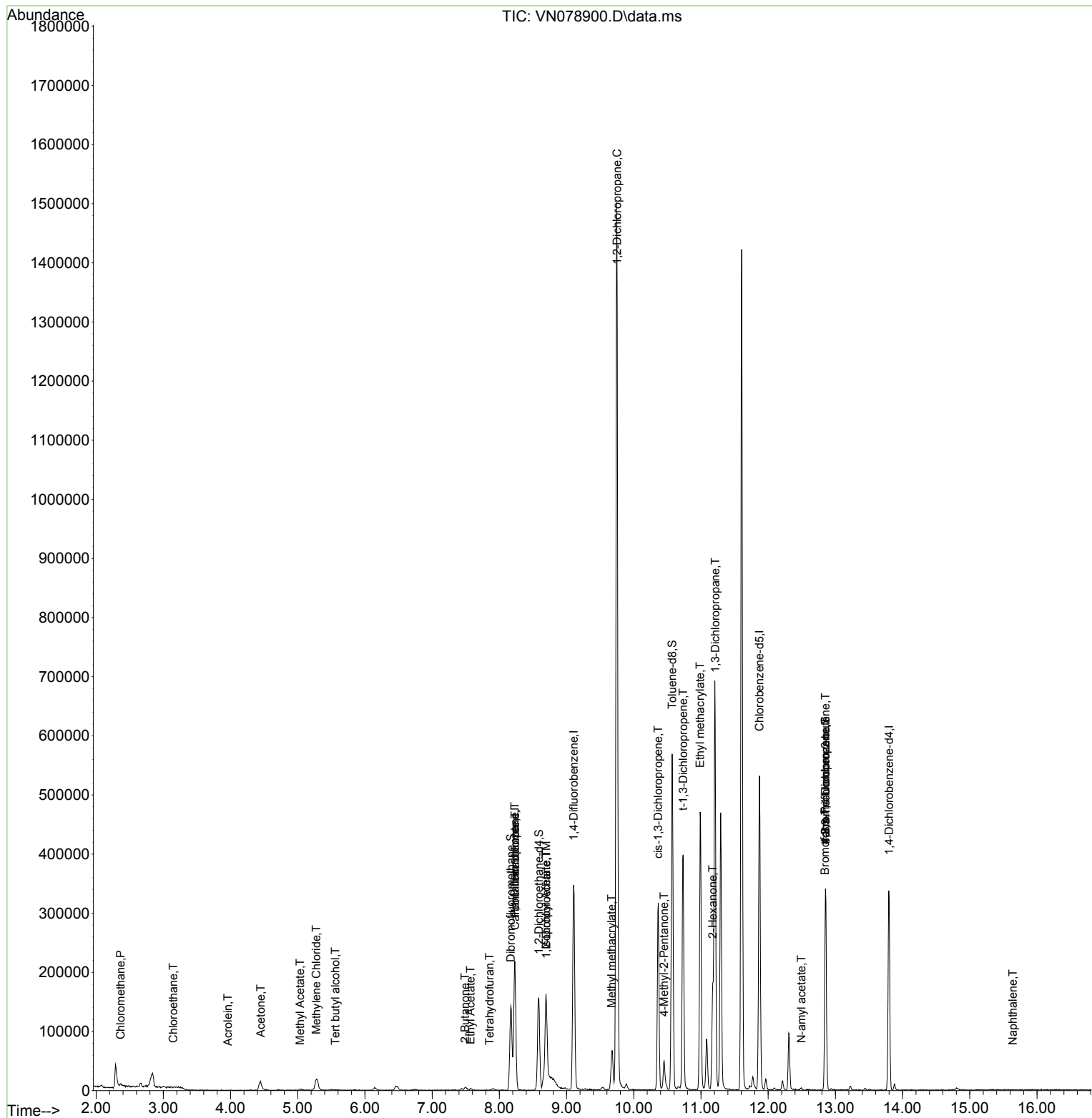
Internal Standards						
1) Pentafluorobenzene	8.230	168	147084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	286612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	83870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	126481	55.262	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.520%	
35) Dibromofluoromethane	8.171	113	97534	49.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.260%	
50) Toluene-d8	10.571	98	376276	51.569	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.853	95	115429	48.399	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1856	0.651	ug/l	90
6) Chloroethane	3.148	64	599	0.343	ug/l #	43
11) Tert butyl alcohol	5.559	59	133	0.346	ug/l #	72
13) Acrolein	3.959	56	67	7.108	ug/l #	16
16) Acetone	4.447	43	28887	30.589	ug/l	98
18) Methyl Acetate	5.036	43	2871	0.720	ug/l #	69
20) Methylene Chloride	5.277	84	14301	7.106	ug/l #	77
25) 2-Butanone	7.488	43	9062	5.985	ug/l #	66
29) Tetrahydrofuran	7.853	42	518	0.517	ug/l #	20
31) Cyclohexane	8.218	56	5232	Below Cal	#	58
36) 1,1-Dichloropropene	8.230	75	13503	4.568	ug/l #	51
37) Ethyl Acetate	7.571	43	4406	1.332	ug/l #	77
38) Carbon Tetrachloride	8.235	117	17098	5.773	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1151	0.353	ug/l #	73
43) Isopropyl Acetate	8.694	43	204012	34.899	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	1556	0.669	ug/l #	45
48) Methyl methacrylate	9.671	41	5274	1.991	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	40575	11.703	ug/l #	77
53) t-1,3-Dichloropropene	10.735	75	852	0.252	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	50393	13.694	ug/l #	72
56) Ethyl methacrylate	10.988	69	1748	0.524	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	6586	1.712	ug/l #	42
59) 2-Hexanone	11.176	43	151422	60.298	ug/l #	19
71) Bromoform	12.847	173	814	0.486	ug/l #	28
74) N-amyl acetate	12.494	43	1727	0.489	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	63681	31.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63681	80.499	ug/l #	15
95) Naphthalene	15.641	128	114	2.603	ug/l #	70

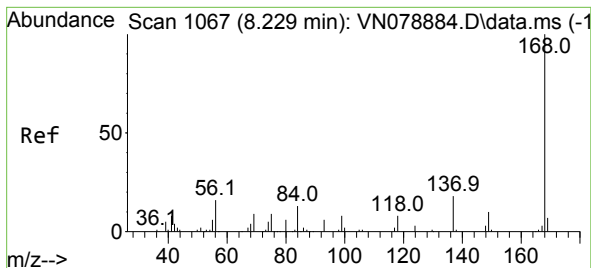
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078900.D

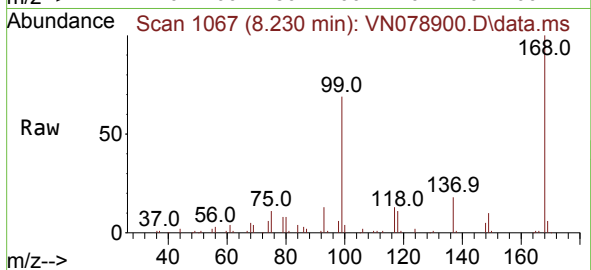
Acq: 16 Aug 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#03

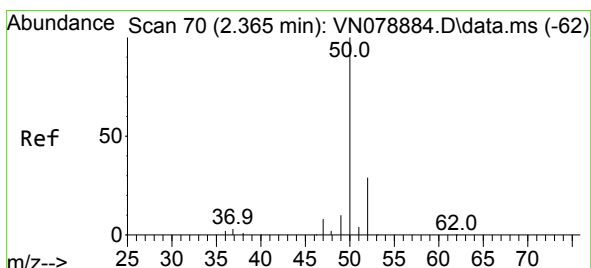
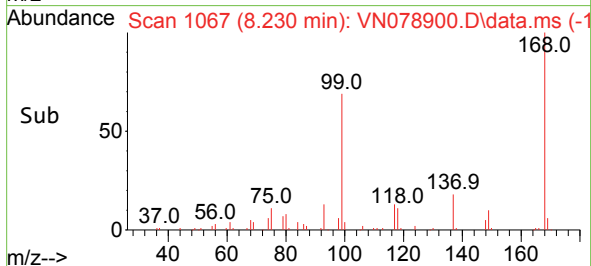
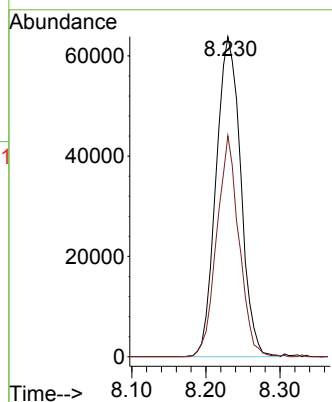


Tgt Ion:168 Resp: 147084

Ion Ratio Lower Upper

168 100

99 69.1 53.0 79.6



#3

Chloromethane

Concen: 0.651 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN078900.D

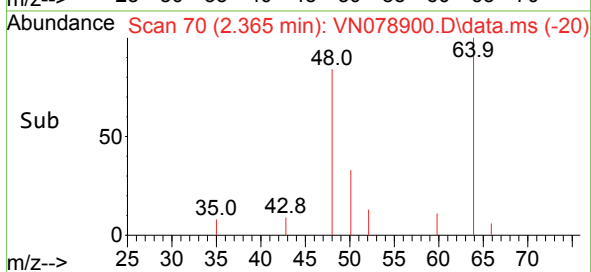
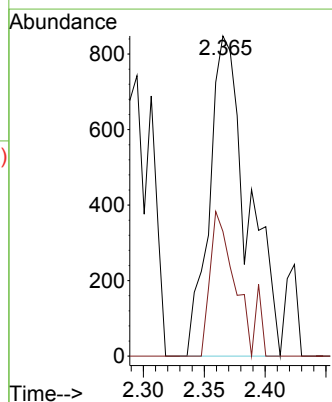
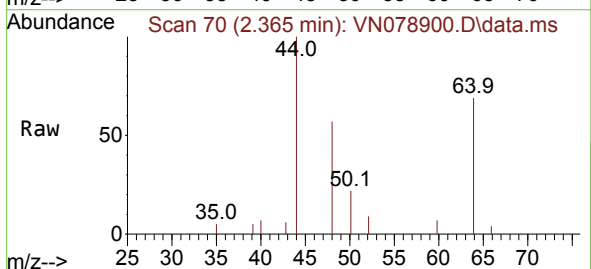
Acq: 16 Aug 2023 14:04

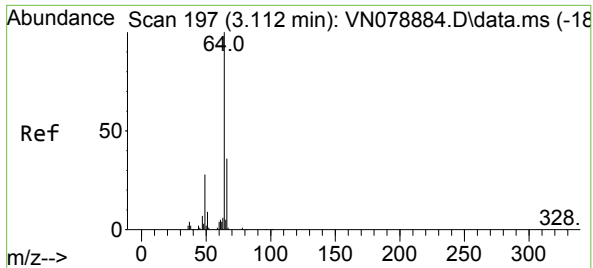
Tgt Ion: 50 Resp: 1856

Ion Ratio Lower Upper

50 100

52 38.9 26.5 39.7

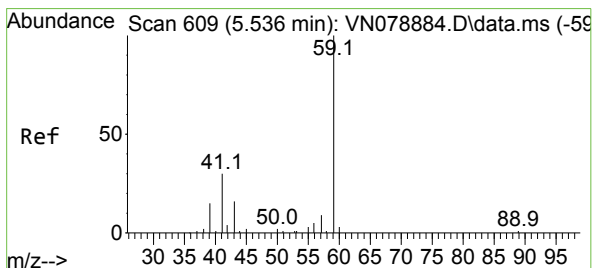
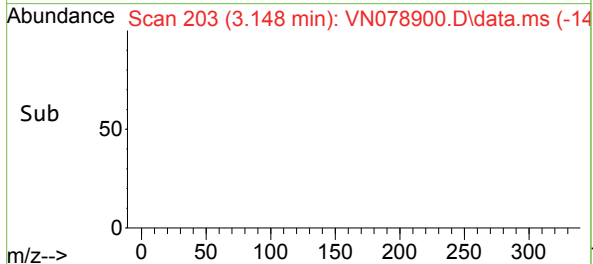
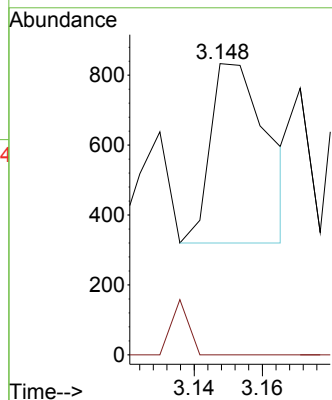
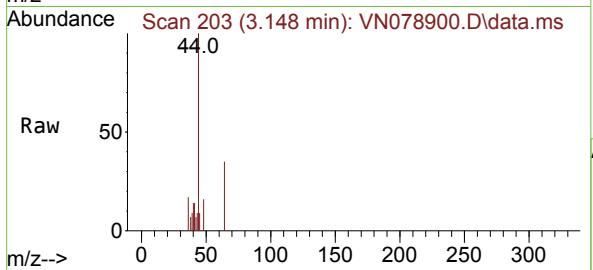




#6
Chloroethane
Concen: 0.343 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

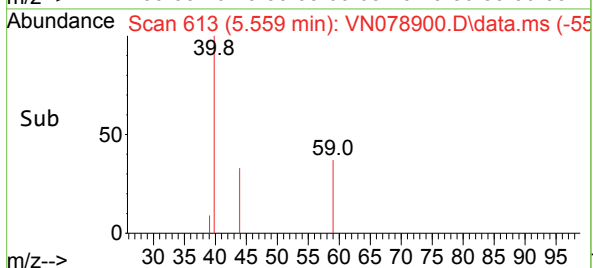
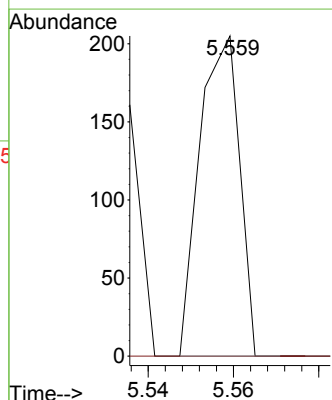
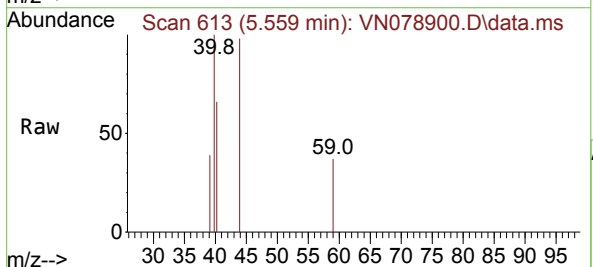
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

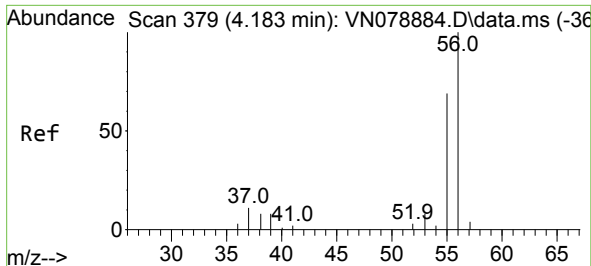
Tgt Ion: 64 Resp: 599
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.346 ug/l
RT: 5.559 min Scan# 613
Delta R.T. 0.017 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

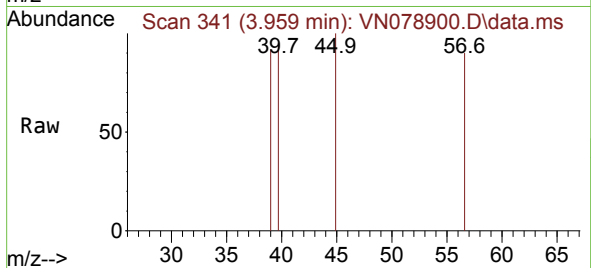
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



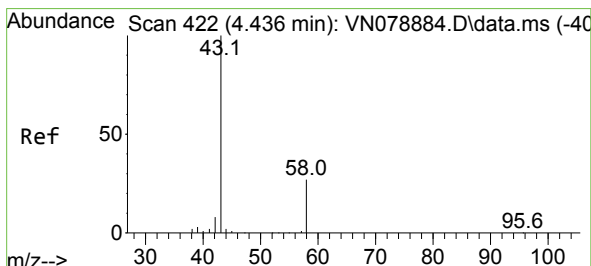
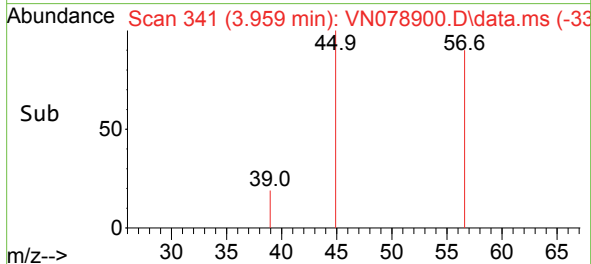
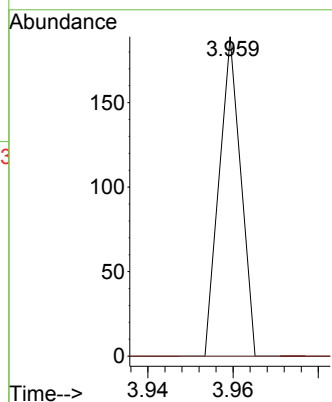


#13
Acrolein
Concen: 7.108 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.236 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

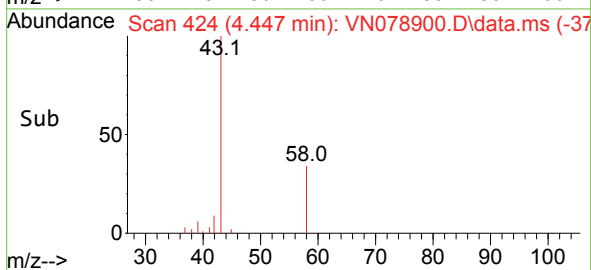
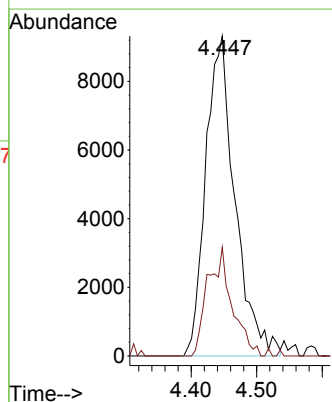
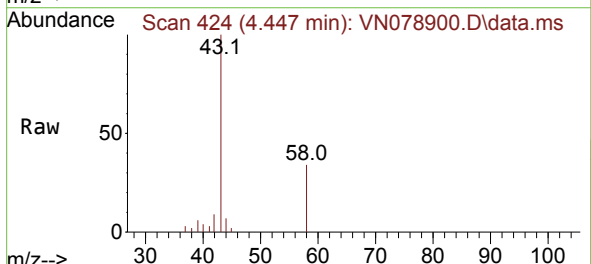


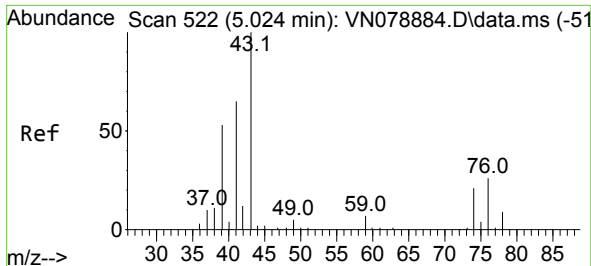
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 30.589 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 43 Resp: 28887
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0

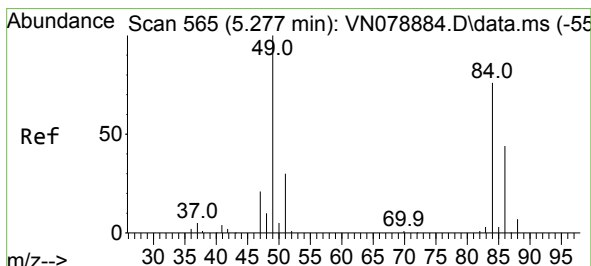
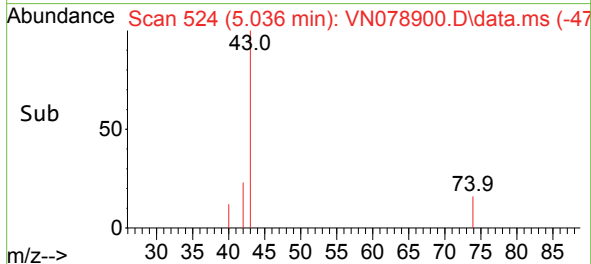
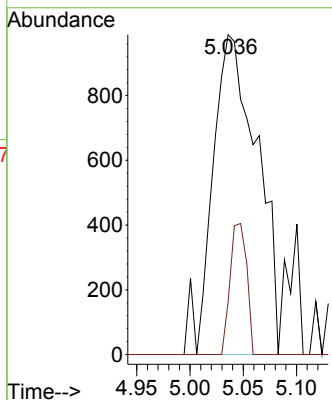
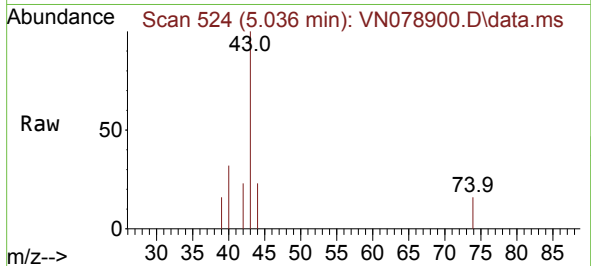




#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

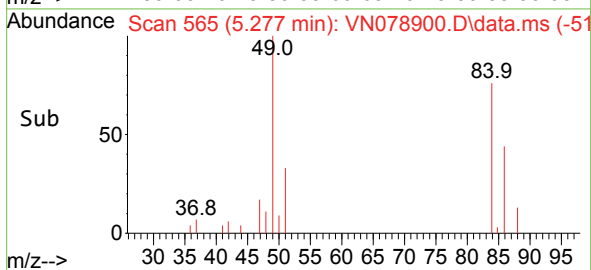
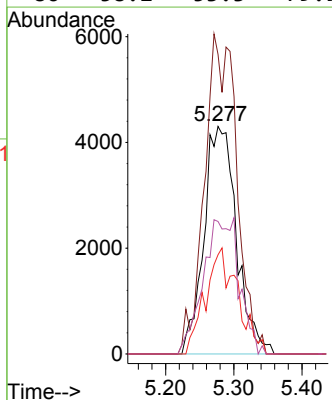
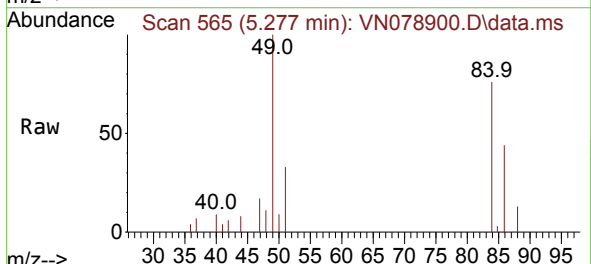
Instrument :
MSVOA_N
ClientSampleId :
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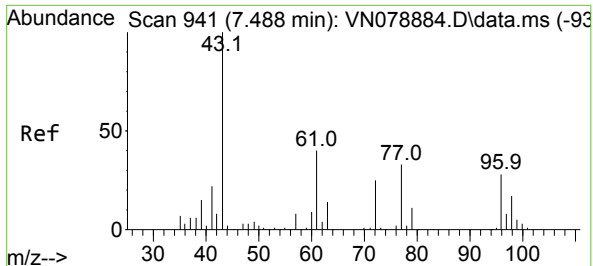
Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
74 15.3 26.2 39.4#



#20
Methylene Chloride
Concen: 7.106 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 84 Resp: 14301
Ion Ratio Lower Upper
84 100
49 131.6 79.7 119.5#
51 43.6 25.2 37.8#
86 58.2 53.3 79.9

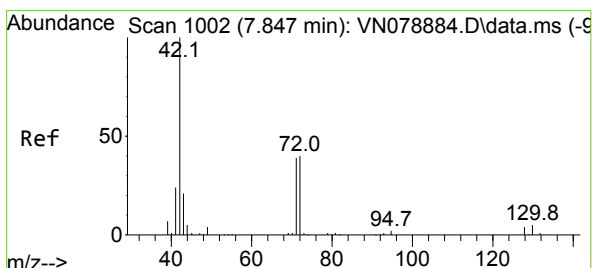
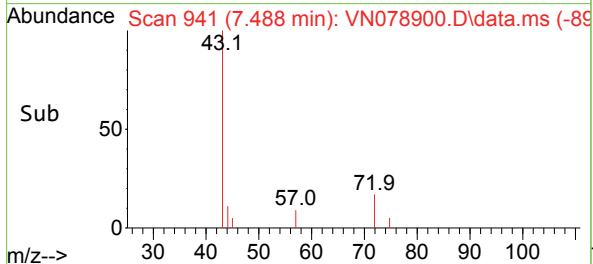
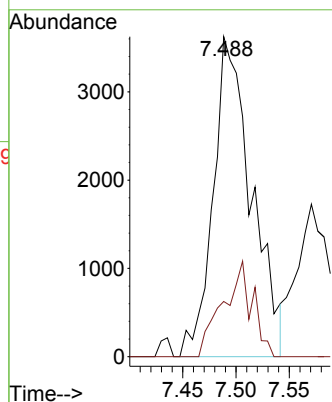
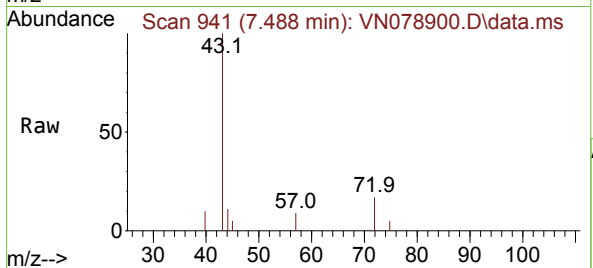




#25
2-Butanone
Concen: 5.985 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

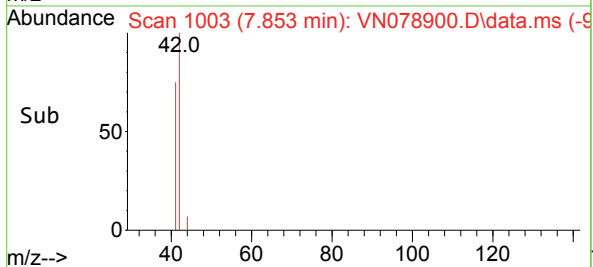
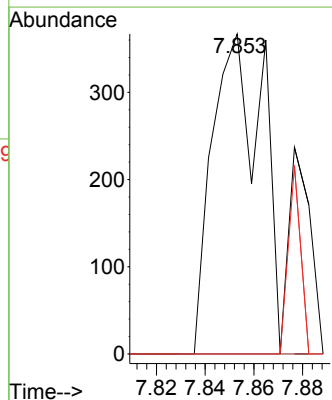
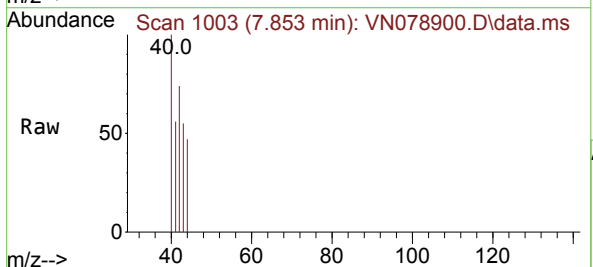
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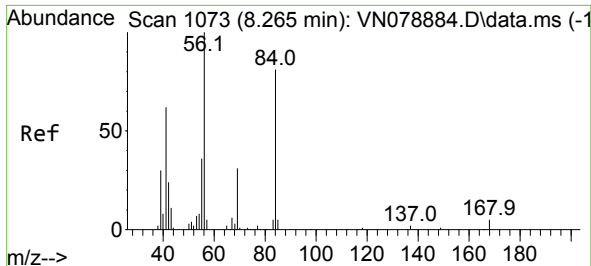
Tgt Ion: 43 Resp: 9062
Ion Ratio Lower Upper
43 100
72 17.3 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

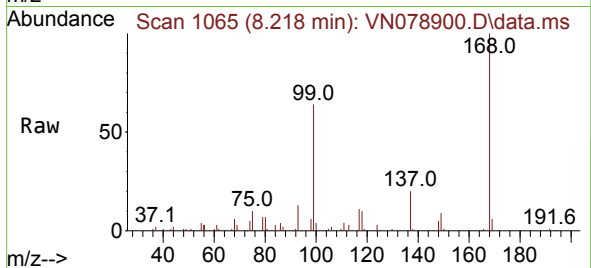
Tgt Ion: 42 Resp: 518
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



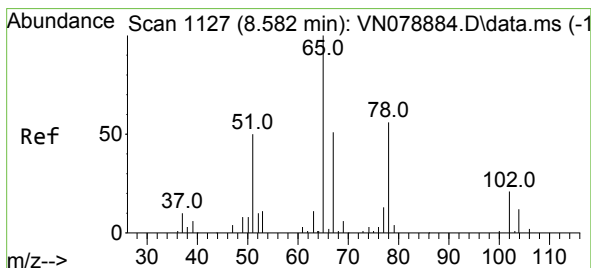
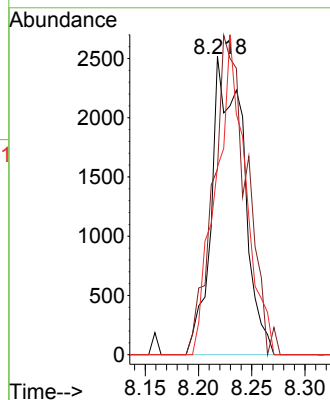
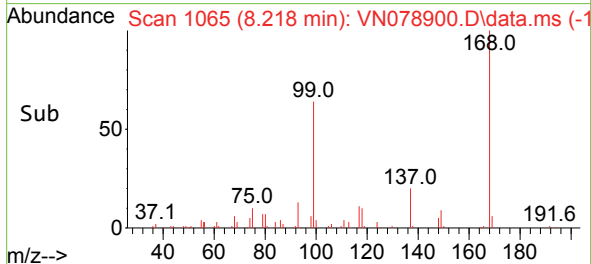


#31
Cyclohexane
Concen: Below Cal
RT: 8.218 min Scan# 1065
Delta R.T. -0.047 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

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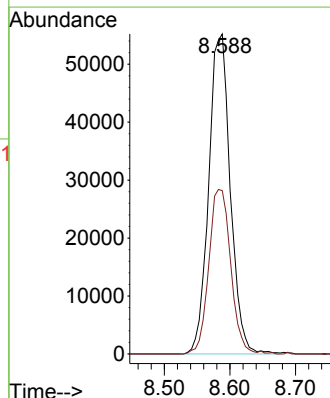
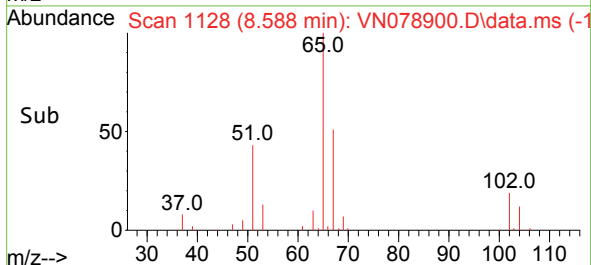
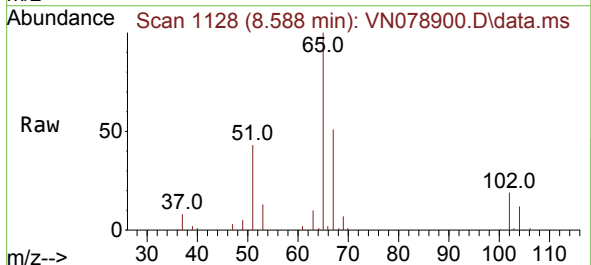


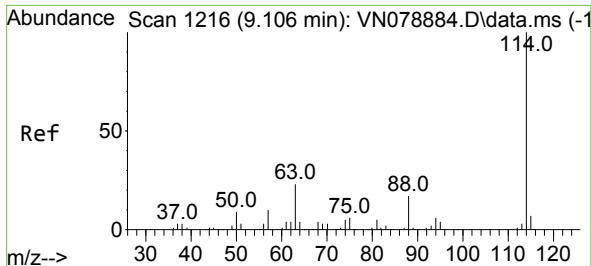
Tgt Ion: 56 Resp: 5232
Ion Ratio Lower Upper
56 100
69 62.1 26.8 40.2#
84 63.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.262 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 65 Resp: 126481
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# 1

Delta R.T. -0.006 min

Lab File: VN078900.D

Acq: 16 Aug 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#03

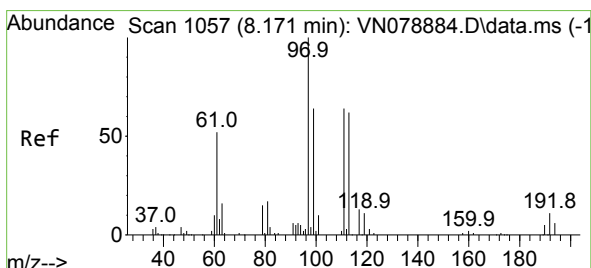
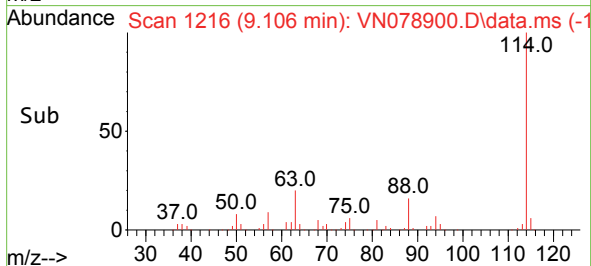
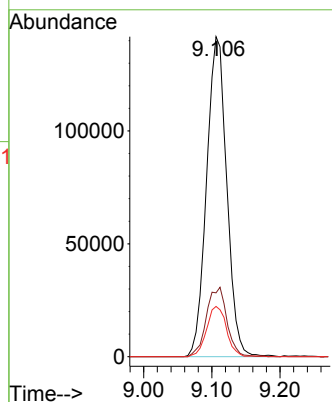
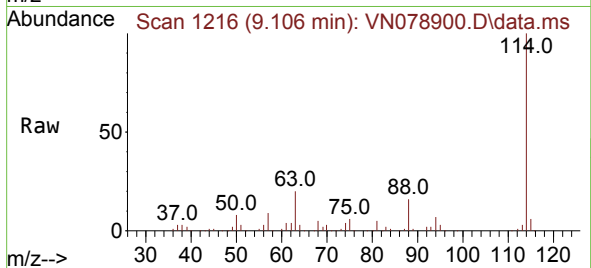
Tgt Ion:114 Resp: 291927

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.633 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078900.D

Acq: 16 Aug 2023 14:04

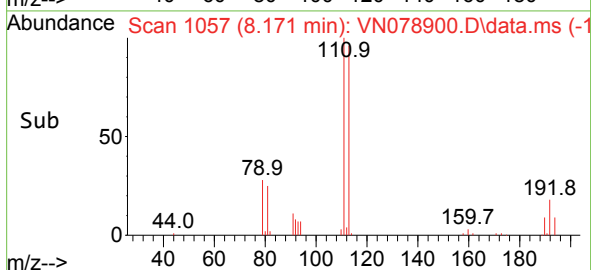
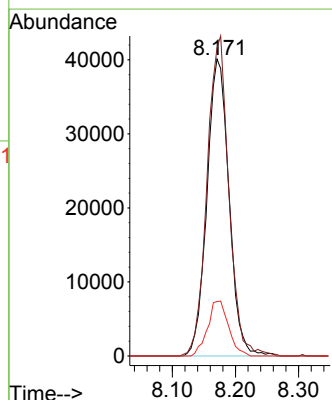
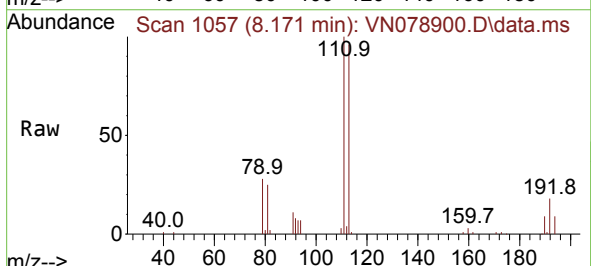
Tgt Ion:113 Resp: 97534

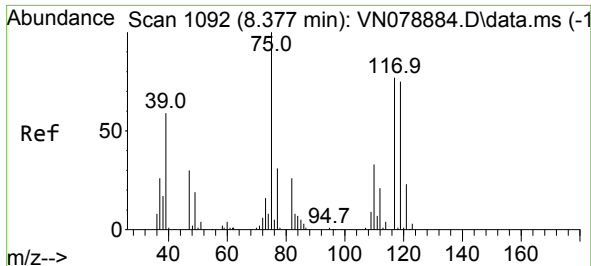
Ion Ratio Lower Upper

113 100

111 106.1 82.6 123.8

192 17.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.568 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078900.D

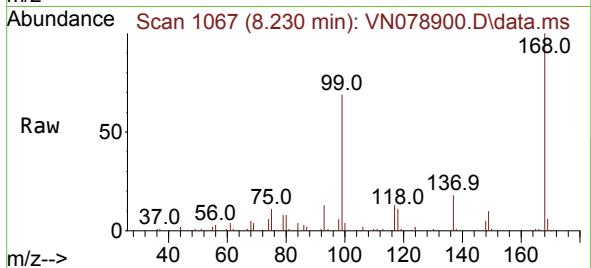
Acq: 16 Aug 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#03



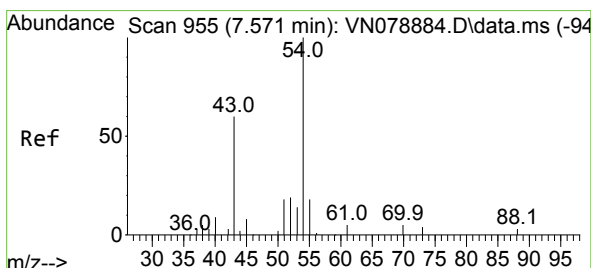
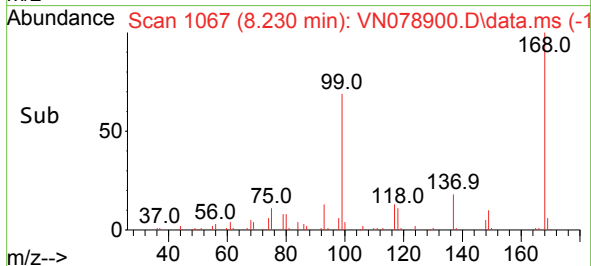
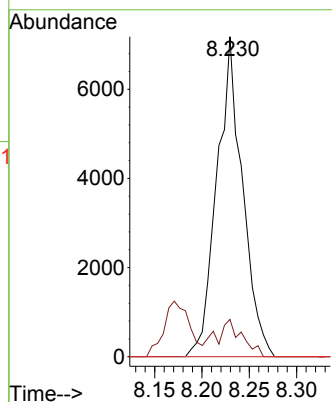
Tgt Ion: 75 Resp: 13503

Ion Ratio Lower Upper

75 100

110 11.9 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.332 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN078900.D

Acq: 16 Aug 2023 14:04

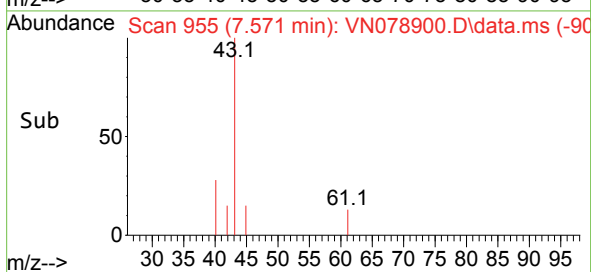
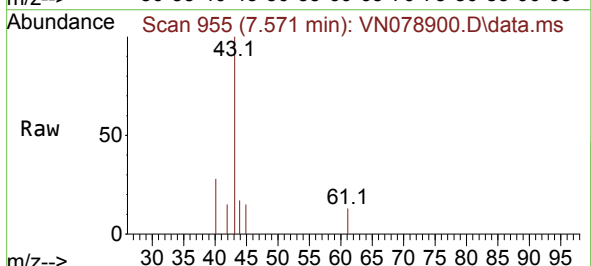
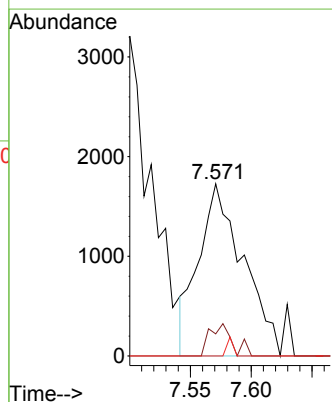
Tgt Ion: 43 Resp: 4406

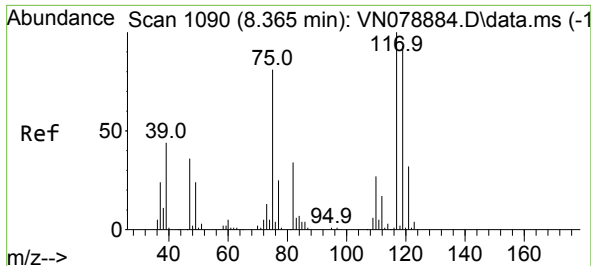
Ion Ratio Lower Upper

43 100

61 9.5 13.2 19.8#

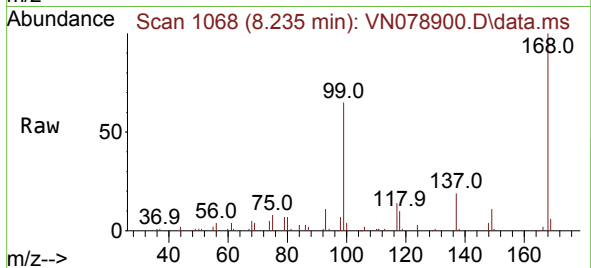
70 1.5 11.3 16.9#



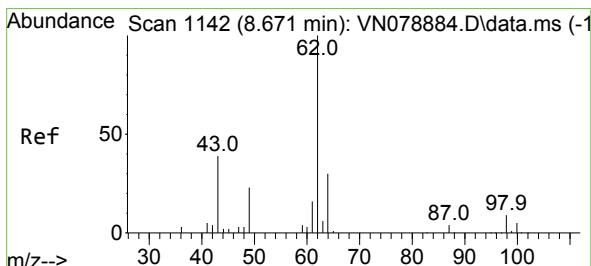
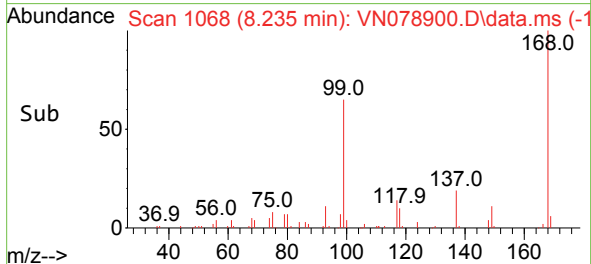
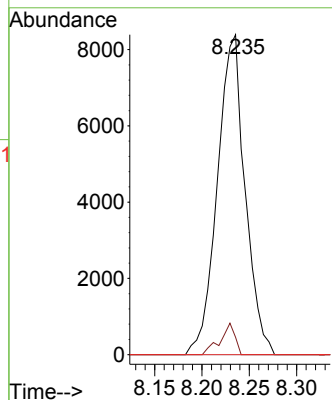


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

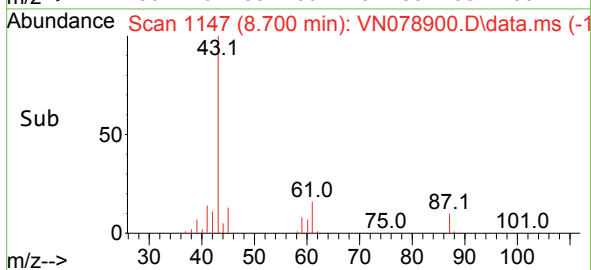
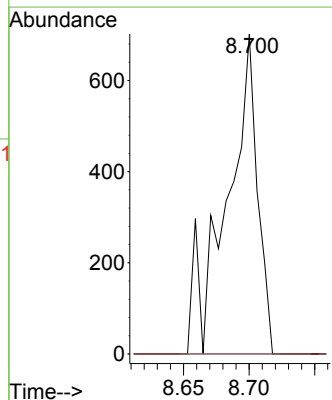
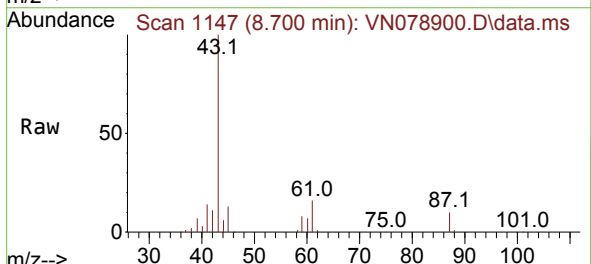


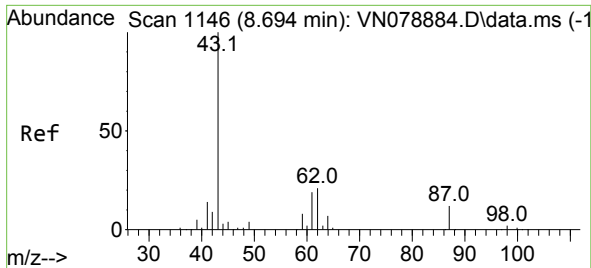
Tgt Ion:117 Resp: 17098
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.353 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 62 Resp: 1151
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

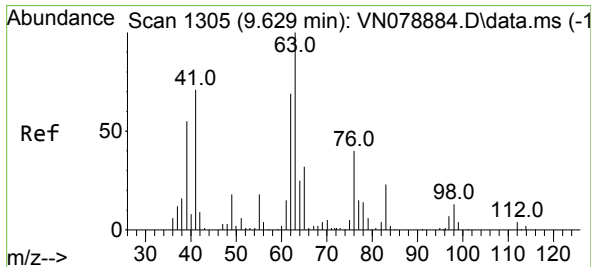
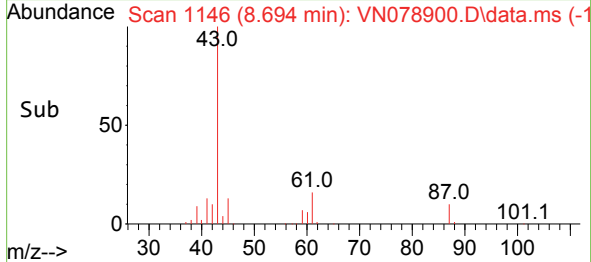
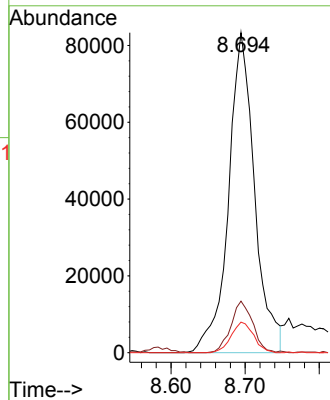
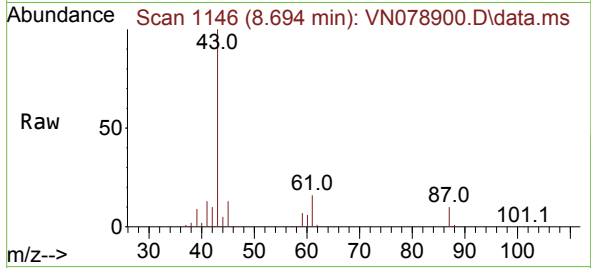




#43
Isopropyl Acetate
Concen: 34.899 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

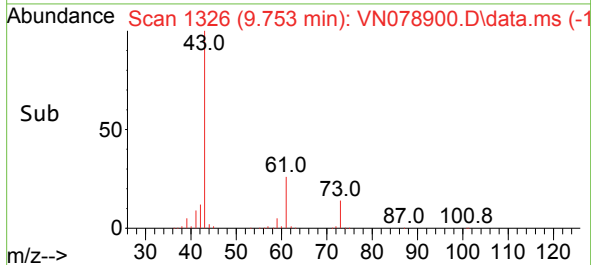
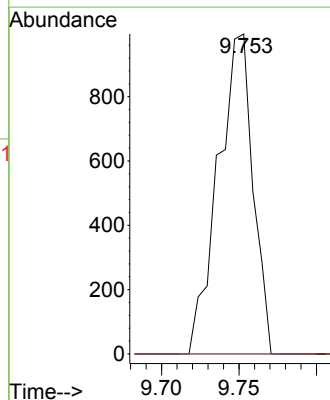
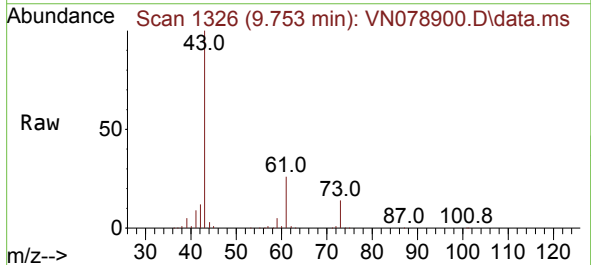
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

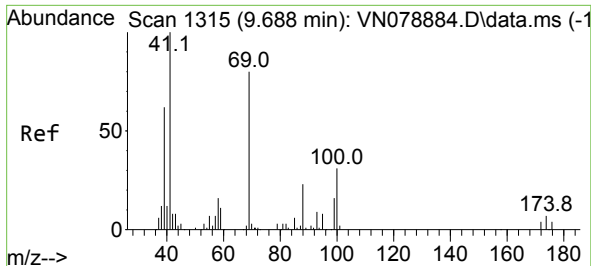
Tgt Ion: 43 Resp: 204012
Ion Ratio Lower Upper
43 100
61 13.6 24.7 37.1#
87 8.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.669 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 63 Resp: 1556
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

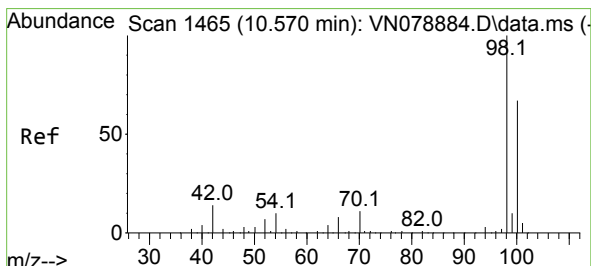
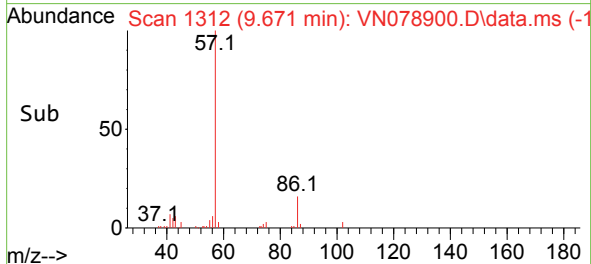
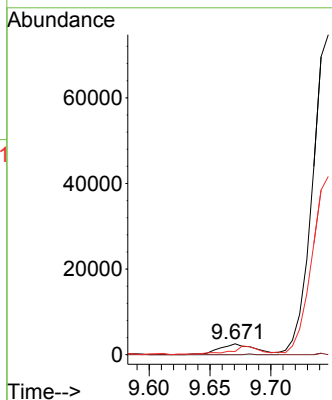
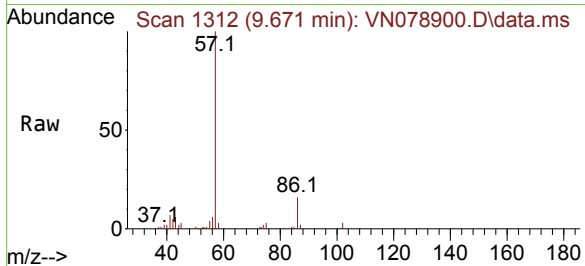




#48
Methyl methacrylate
Concen: 1.991 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

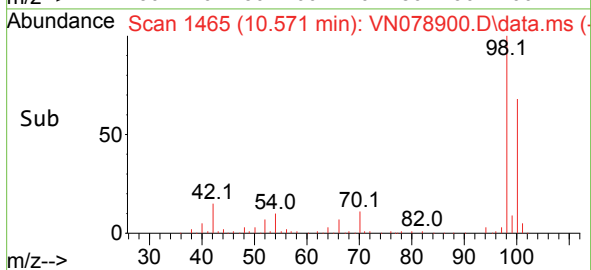
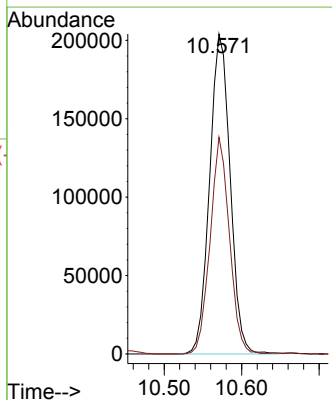
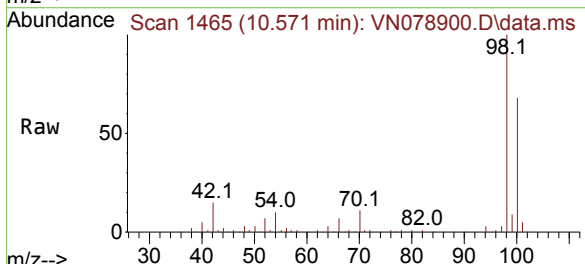
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

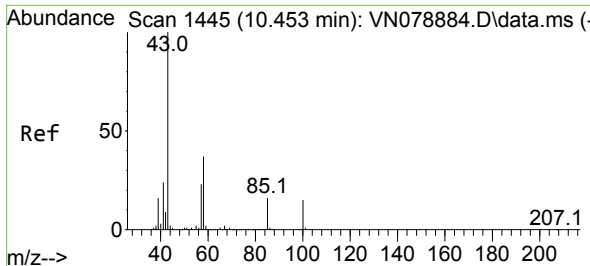
Tgt Ion: 41 Resp: 5274
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 66.1 54.6 81.8



#50
Toluene-d8
Concen: 51.569 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 98 Resp: 376276
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

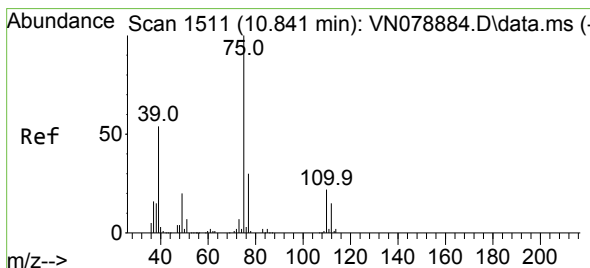
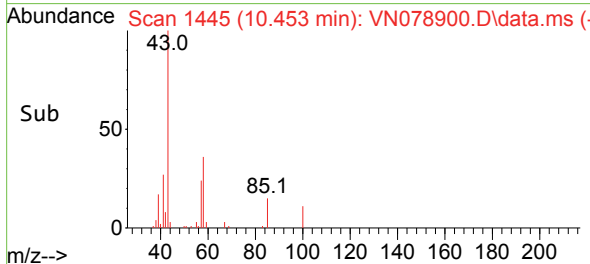
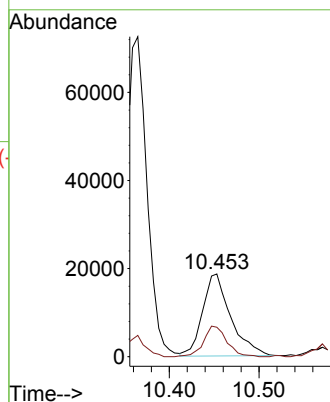
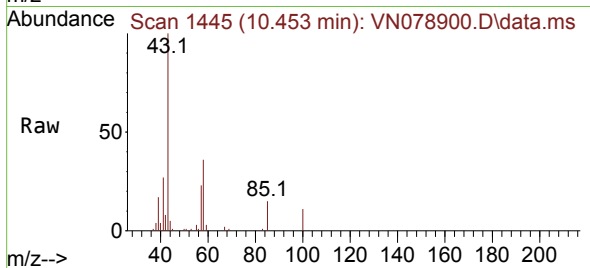




#51
4-Methyl-2-Pentanone
Concen: 11.703 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

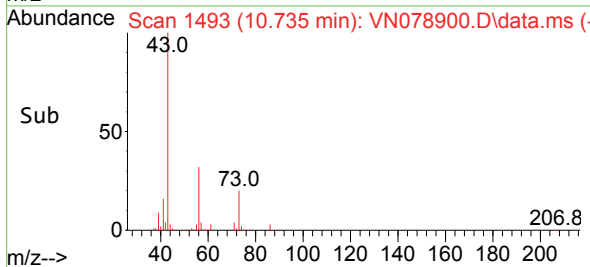
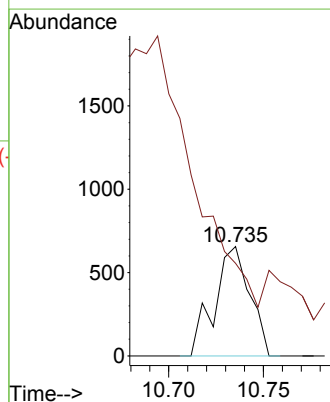
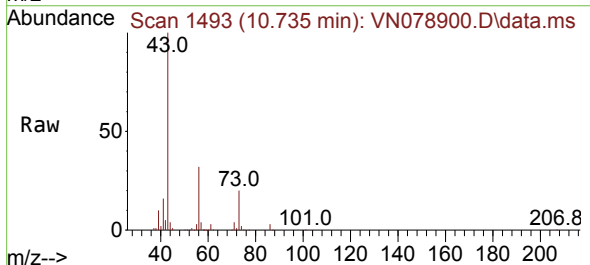
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

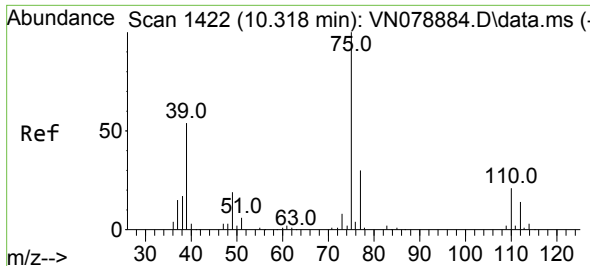
Tgt Ion: 43 Resp: 40575
Ion Ratio Lower Upper
43 100
58 30.7 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 75 Resp: 852
Ion Ratio Lower Upper
75 100
77 16.9 25.4 38.0#

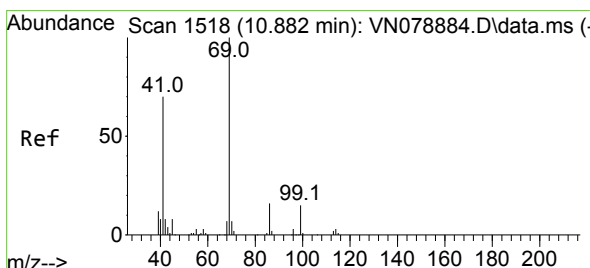
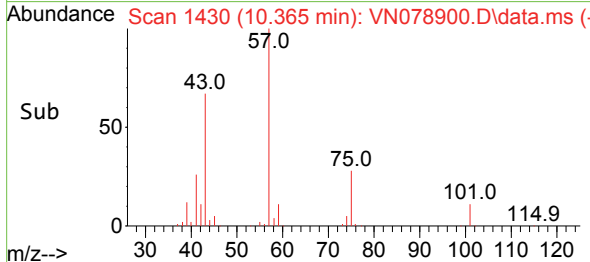
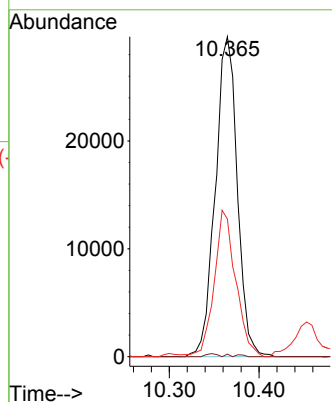
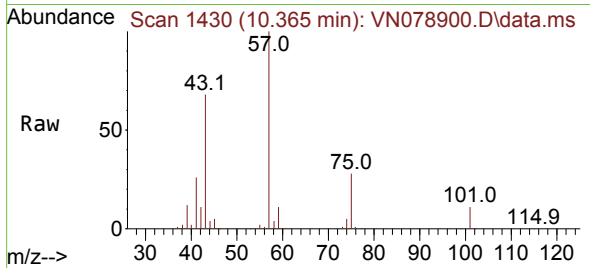




#54
cis-1,3-Dichloropropene
Concen: 13.694 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

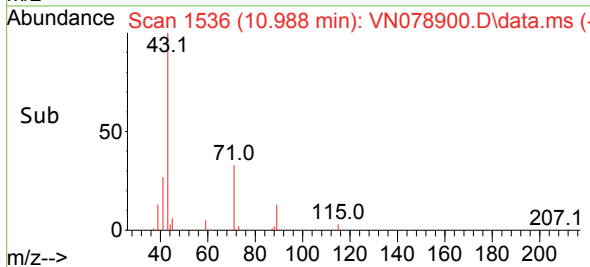
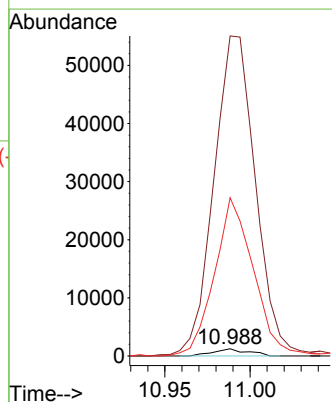
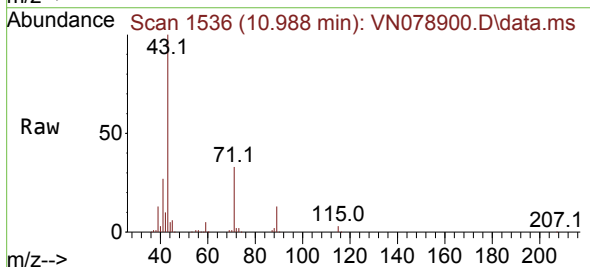
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

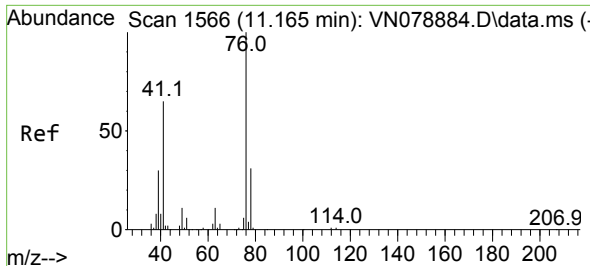
Tgt Ion: 75 Resp: 50393
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 42.4 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.524 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 69 Resp: 1748
Ion Ratio Lower Upper
69 100
41 5402.3 39.6 59.4#
39 2481.2 28.6 43.0#

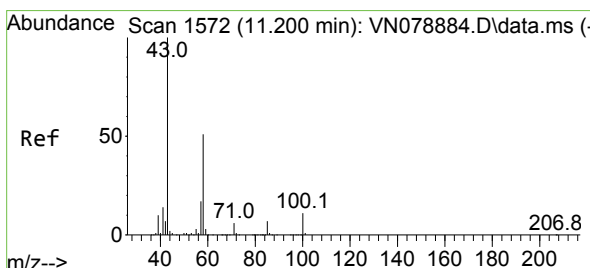
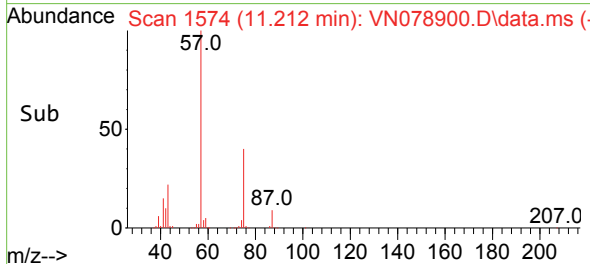
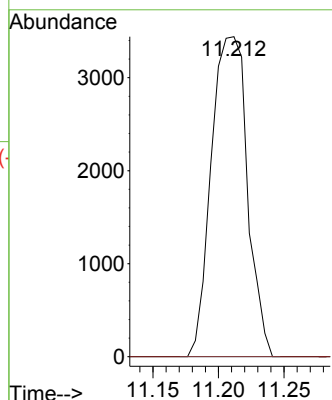
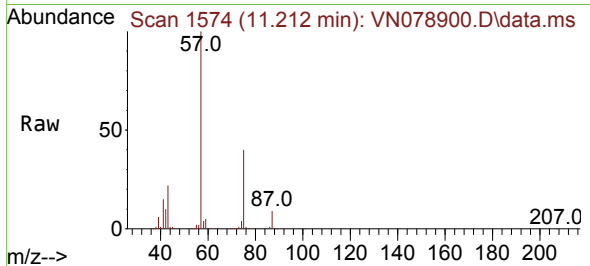




#57
1,3-Dichloropropane
Concen: 1.712 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

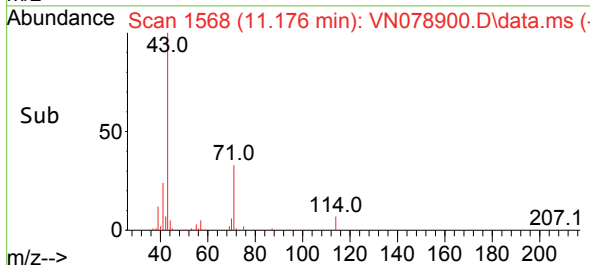
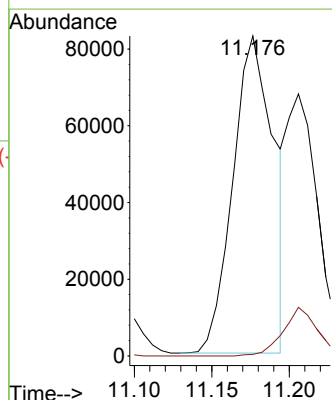
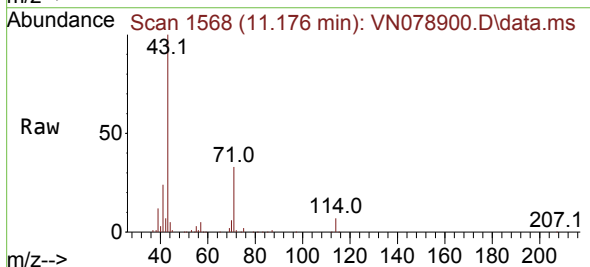
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

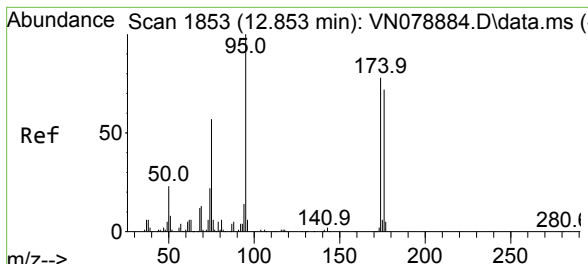
Tgt Ion: 76 Resp: 6586
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 60.298 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 43 Resp: 151422
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

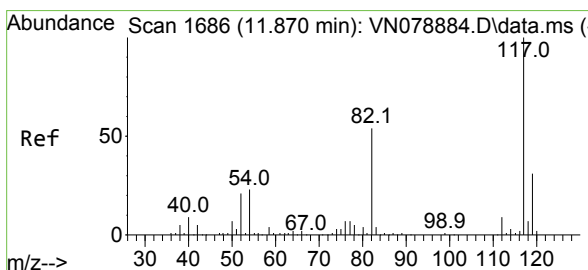
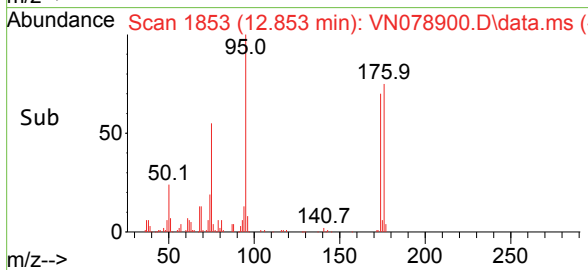
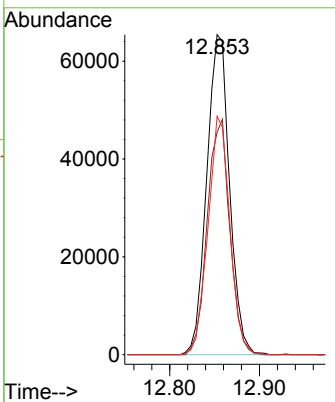
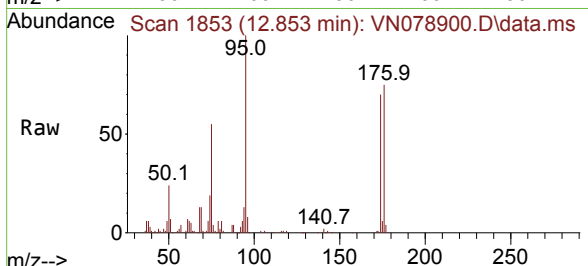




#62
 4-Bromofluorobenzene
 Concen: 48.399 ug/l
 RT: 12.853 min Scan# 115429
 Delta R.T. -0.000 min
 Lab File: VN078900.D
 Acq: 16 Aug 2023 14:04

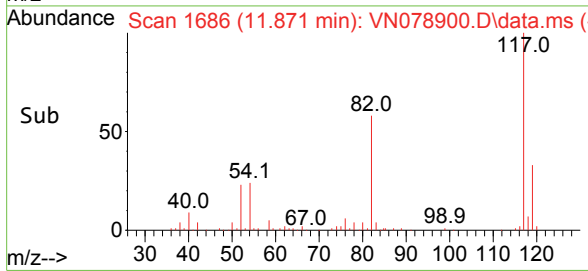
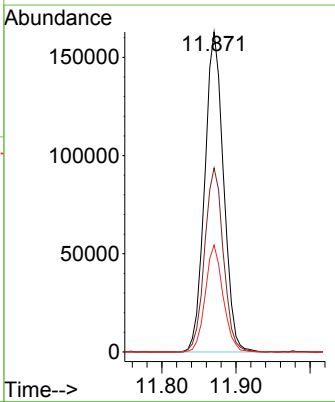
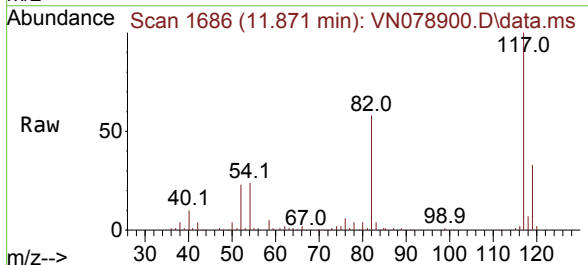
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154855ZHE#03

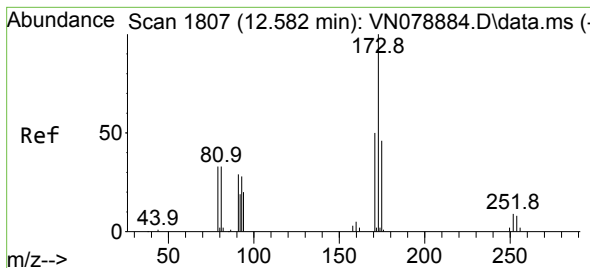
Tgt Ion:	95	Resp:	115429
Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	143.8
176	71.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078900.D
 Acq: 16 Aug 2023 14:04

Tgt Ion:	117	Resp:	286612
Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.0	66.0
119	33.4	25.6	38.4





#71

Bromoform

Concen: 0.486 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN078900.D

Acq: 16 Aug 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

PB154855ZHE#03

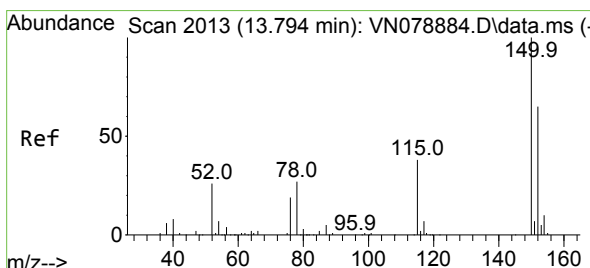
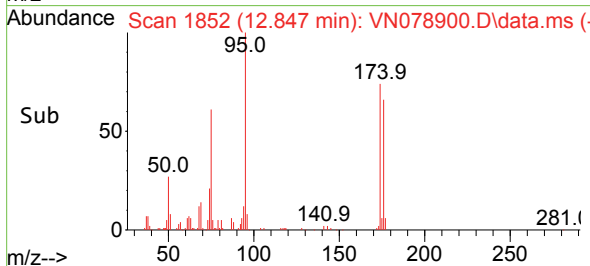
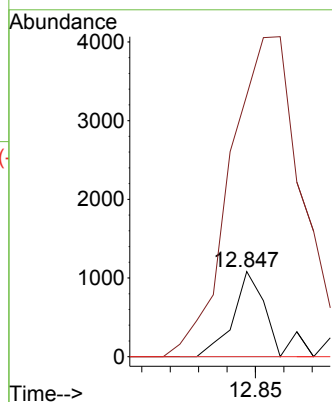
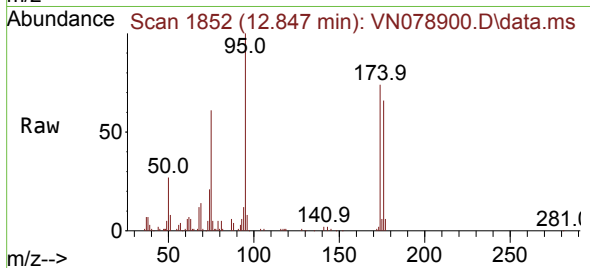
Tgt Ion:173 Resp: 814

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN078900.D

Acq: 16 Aug 2023 14:04

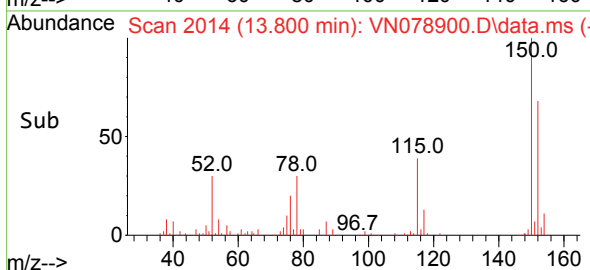
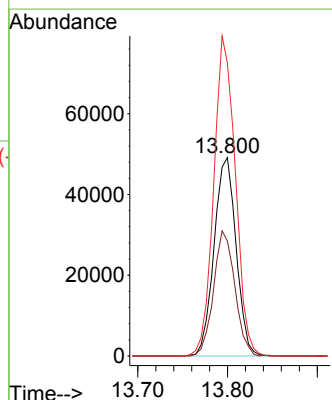
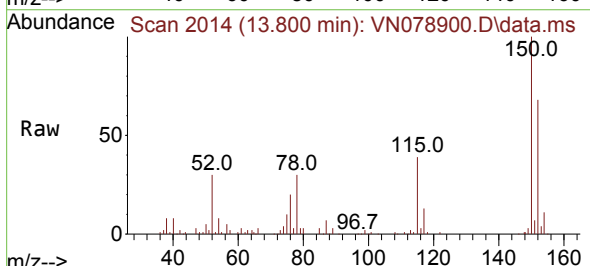
Tgt Ion:152 Resp: 83870

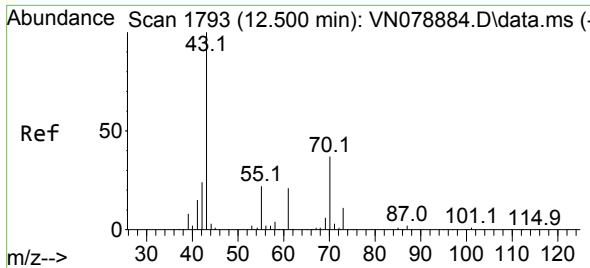
Ion Ratio Lower Upper

152 100

115 60.8 32.3 96.8

150 157.6 0.0 355.8

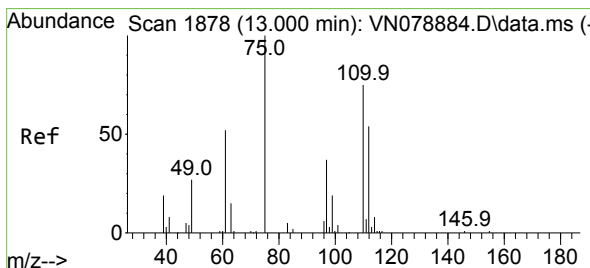
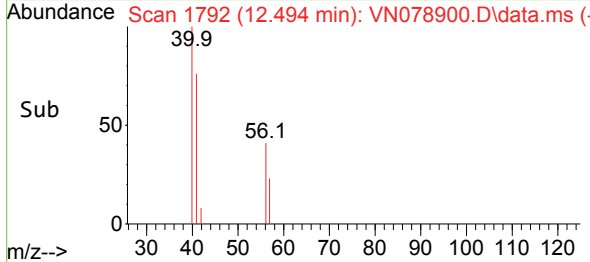
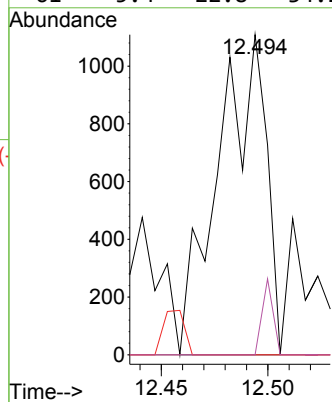
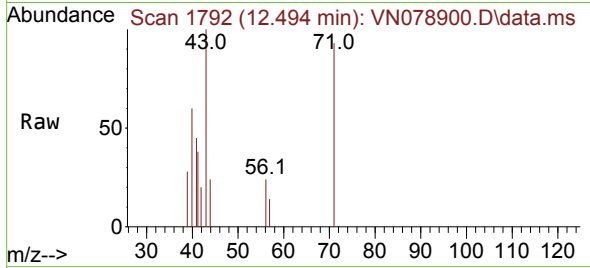




#74
N-amy1 acetate
Concen: 0.489 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

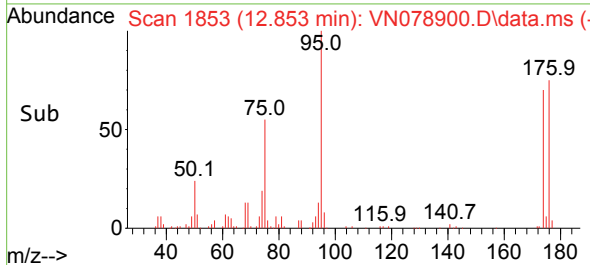
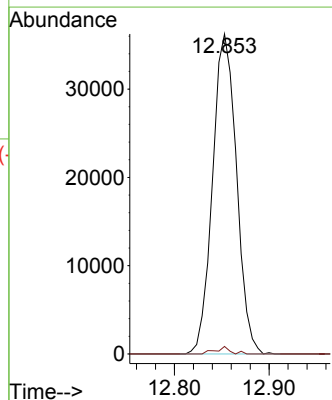
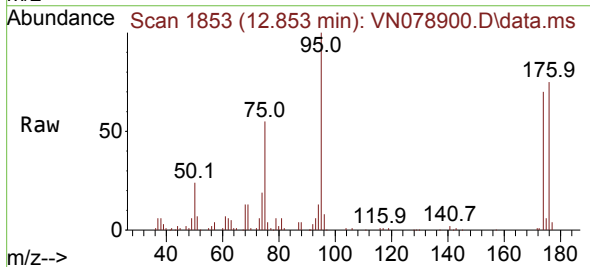
Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

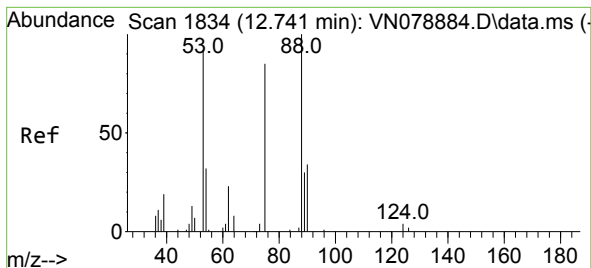
Tgt Ion: 43	Resp:	1727	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	5.4	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 31.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion: 75	Resp: 63681
Ion Ratio	Lower Upper
75 100	
77 1.4	84.5 253.5#

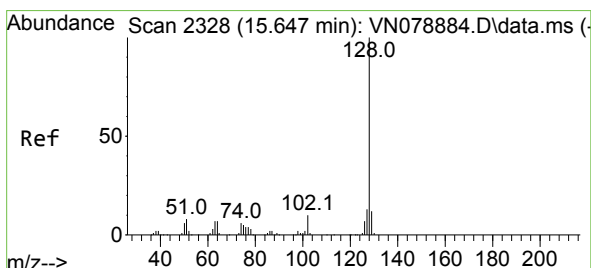
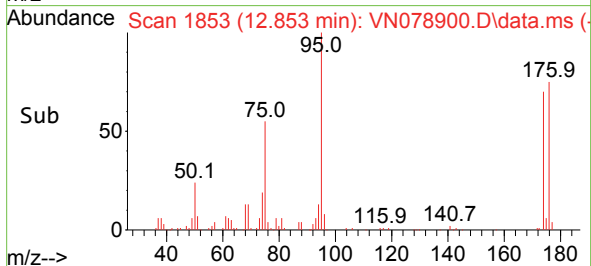
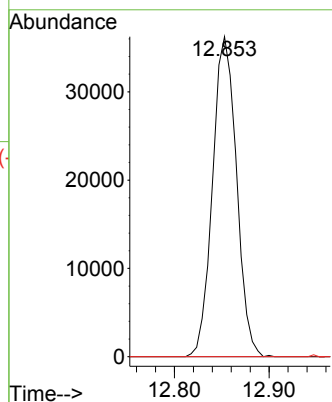
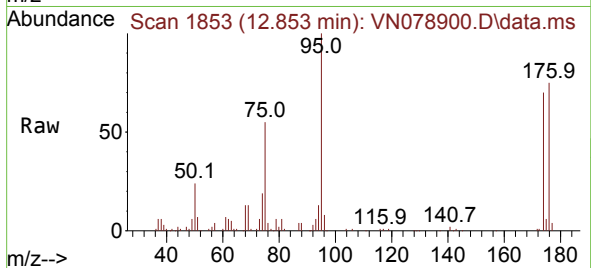




#81
trans-1,4-Dichloro-2-butene
Concen: 80.499 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
PB154855ZHE#03

Tgt Ion: 75 Resp: 63681
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.603 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078900.D
Acq: 16 Aug 2023 14:04

Tgt Ion:128 Resp: 114
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

