

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078015.D
 Acq On : 01 Jun 2023 17:14
 Operator : JC\MD
 Sample : 02958-02MEDL 10X
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 734DL

Quant Time: Jun 02 01:54:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

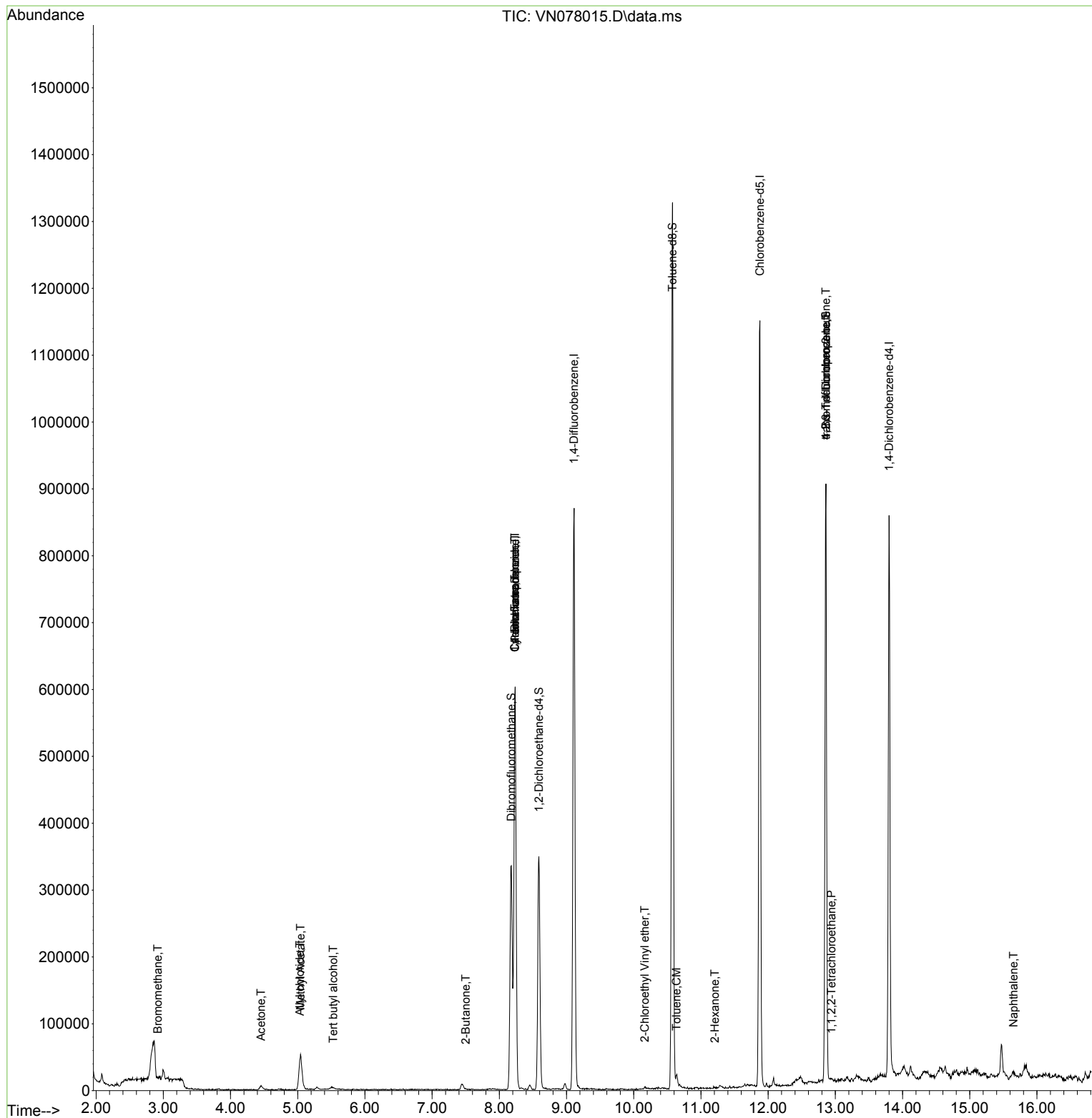
Internal Standards						
1) Pentafluorobenzene	8.236	168	434699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	784671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	696428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	291881	44.876	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.760%		
35) Dibromofluoromethane	8.177	113	250711	48.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	10.577	98	963212	48.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.859	95	319830	45.980	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1691	Below Cal		89
5) Bromomethane	2.918	94	976	0.212 ug/l #		24
11) Tert butyl alcohol	5.530	59	1484	1.653 ug/l #		72
13) Acrolein	4.201	56	257	Below Cal #		69
14) Allyl chloride	5.030	41	1741	0.259 ug/l #		25
16) Acetone	4.453	43	9478	4.632 ug/l #		77
18) Methyl Acetate	5.042	43	103194	12.021 ug/l		91
20) Methylene Chloride	5.283	84	1936	Below Cal #		76
25) 2-Butanone	7.500	43	740	0.231 ug/l #		85
31) Cyclohexane	8.230	56	11372	1.286 ug/l #		29
36) 1,1-Dichloropropene	8.230	75	37135	4.962 ug/l #		48
38) Carbon Tetrachloride	8.230	117	47006	6.220 ug/l #		16
52) Toluene	10.635	92	7544	0.549 ug/l		96
58) 2-Chloroethyl Vinyl ether	10.165	63	1226	0.302 ug/l		96
59) 2-Hexanone	11.206	43	1065	0.222 ug/l #		47
75) 1,1,2,2-Tetrachloroethane	12.941	83	1534	0.264 ug/l #		52
76) 1,2,3-Trichloropropane	12.859	75	168489	30.707 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	168489	98.157 ug/l #		15
95) Naphthalene	15.653	128	4055	0.271 ug/l #		85

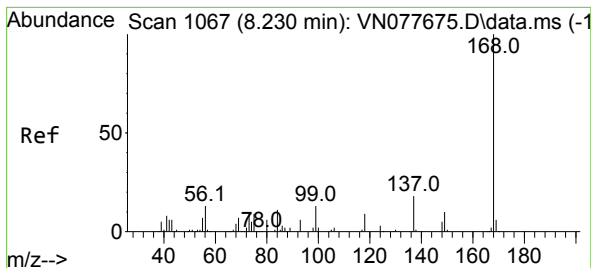
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

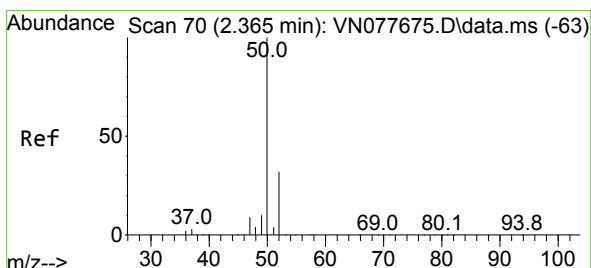
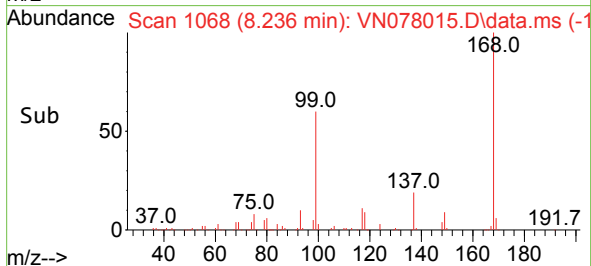
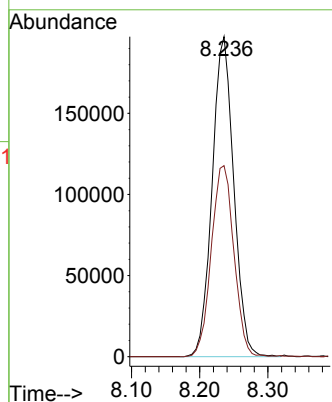
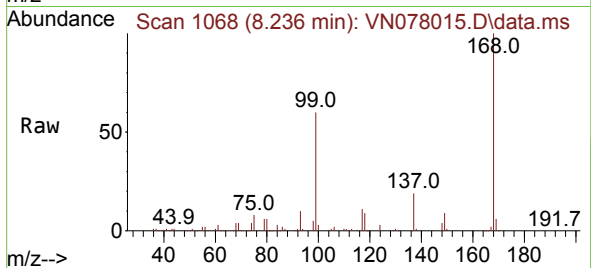
734DL

Tgt Ion:168 Resp: 434699

Ion Ratio Lower Upper

168 100

99 59.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078015.D

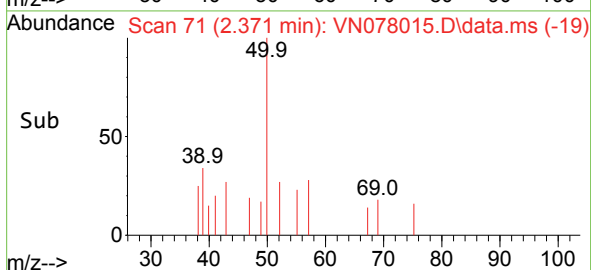
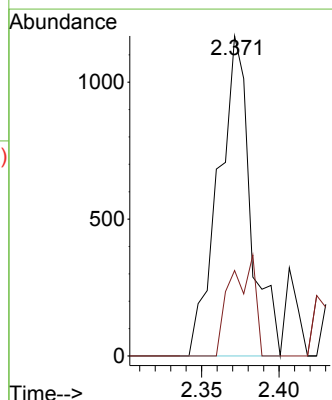
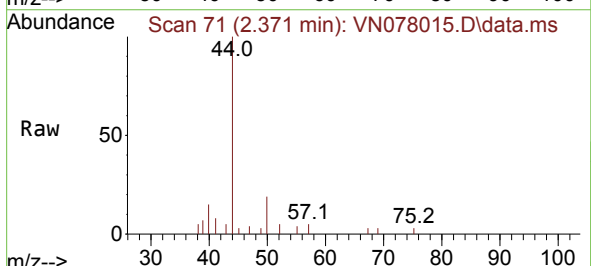
Acq: 01 Jun 2023 17:14

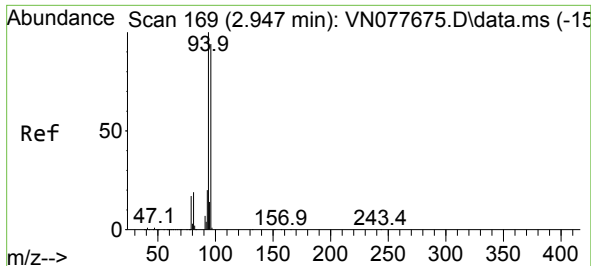
Tgt Ion: 50 Resp: 1691

Ion Ratio Lower Upper

50 100

52 26.7 26.5 39.7

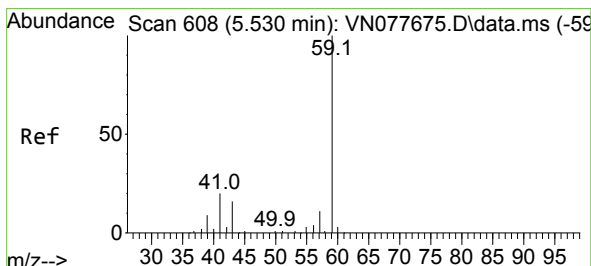
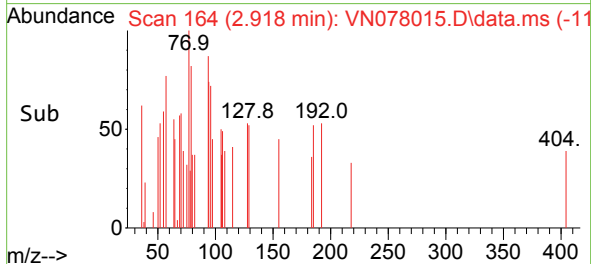
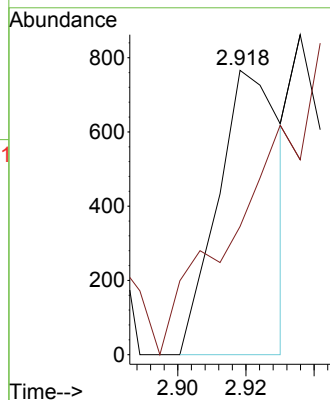
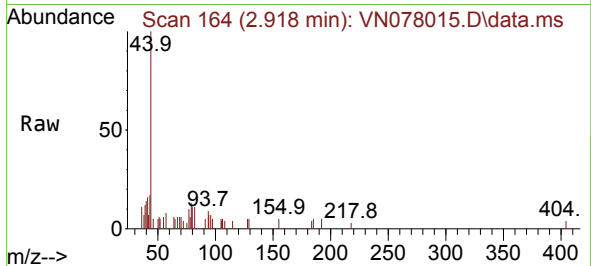




#5
Bromomethane
Concen: 0.212 ug/l
RT: 2.918 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

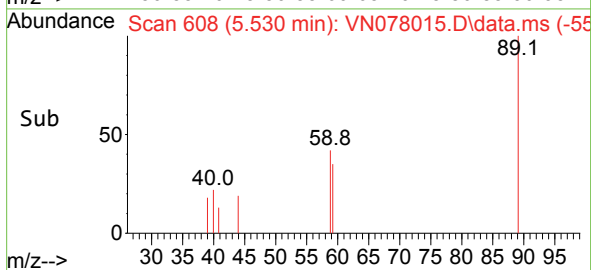
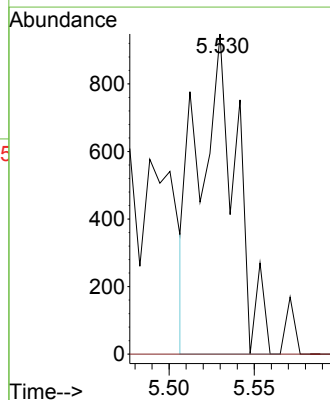
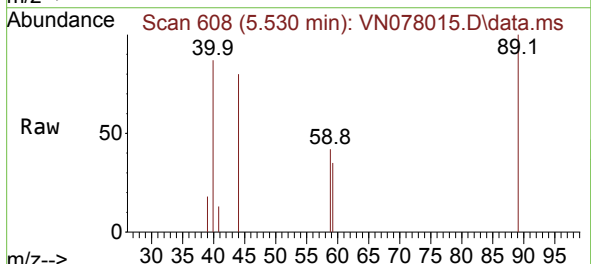
Instrument :
MSVOA_N
ClientSampleId :
734DL

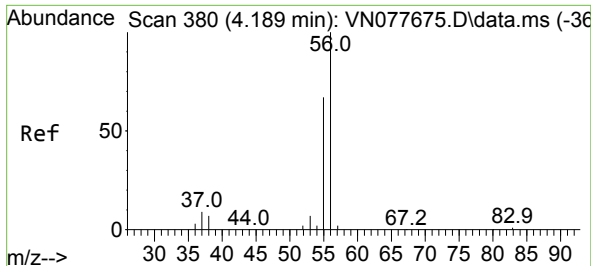
Tgt Ion: 94 Resp: 976
Ion Ratio Lower Upper
94 100
96 19.1 73.1 109.7#



#11
Tert butyl alcohol
Concen: 1.653 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

Tgt Ion: 59 Resp: 1484
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 4.201 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

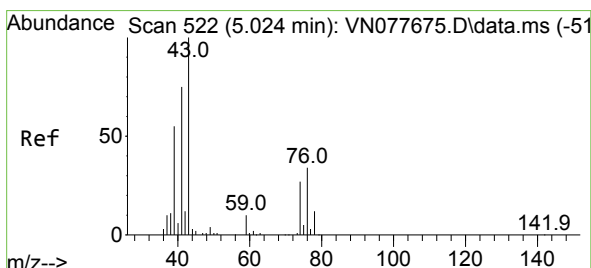
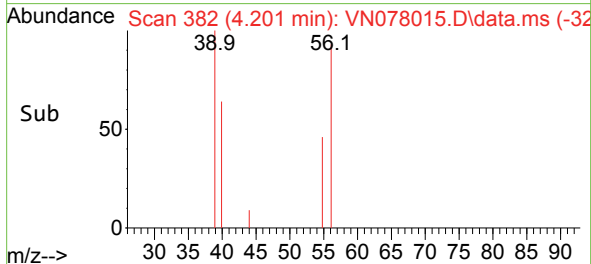
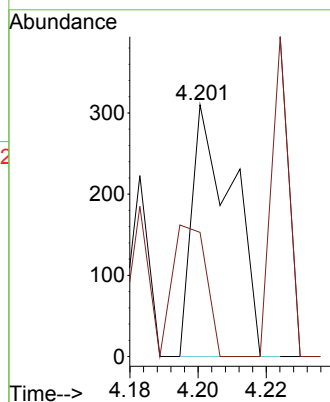
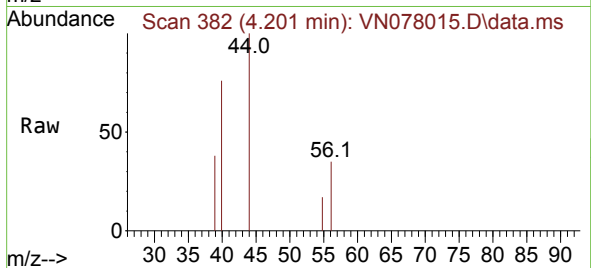
734DL

Tgt Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 43.2 54.5 81.7#



#14

Allyl chloride

Concen: 0.259 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

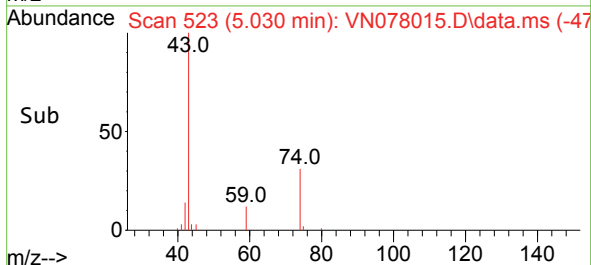
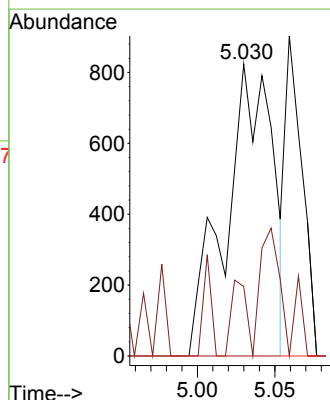
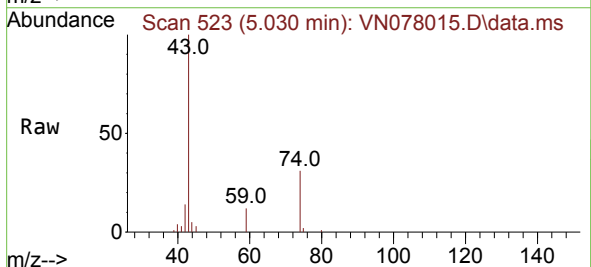
Tgt Ion: 41 Resp: 1741

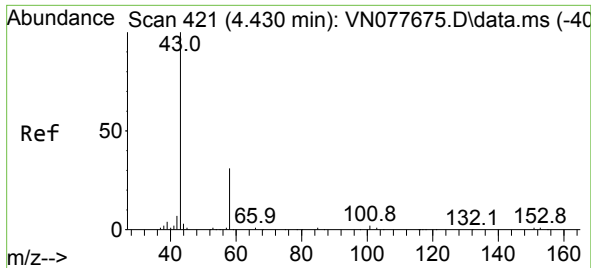
Ion Ratio Lower Upper

41 100

39 8.3 58.8 88.2#

76 0.0 39.1 58.7#

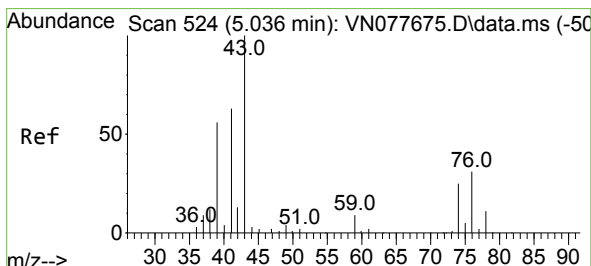
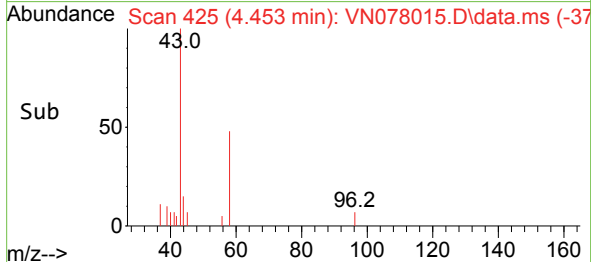
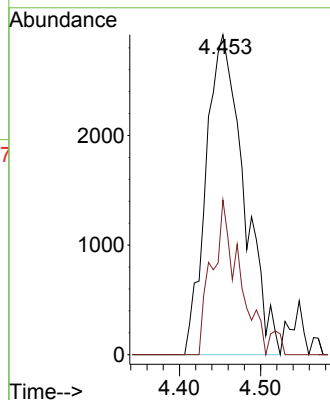
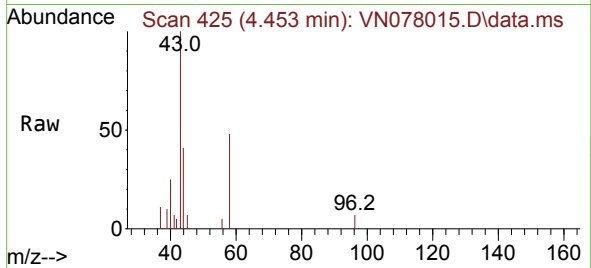




#16
Acetone
Concen: 4.632 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

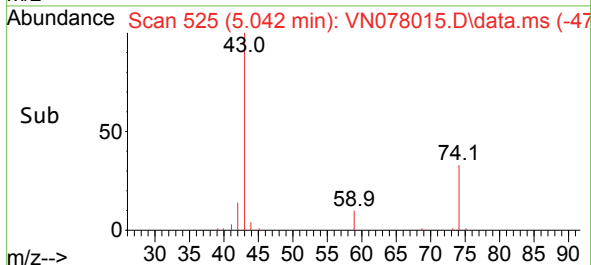
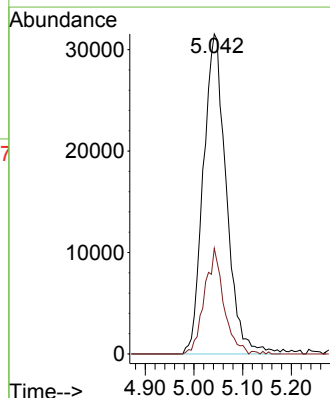
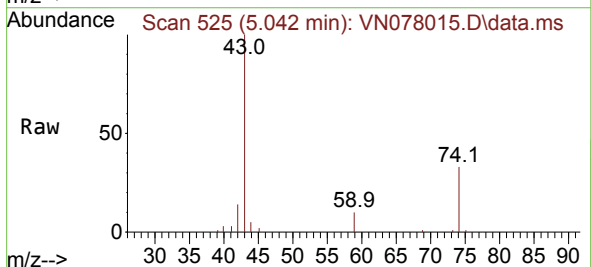
Instrument :
MSVOA_N
ClientSampleId :
734DL

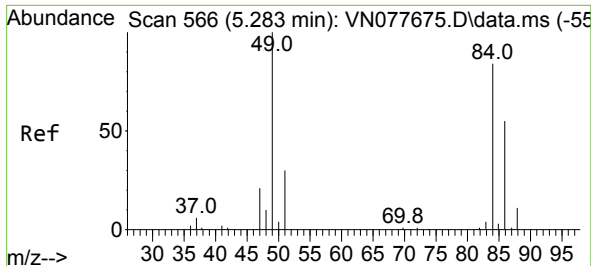
Tgt Ion: 43 Resp: 9478
Ion Ratio Lower Upper
43 100
58 48.3 28.0 42.0#



#18
Methyl Acetate
Concen: 12.021 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

Tgt Ion: 43 Resp: 103194
Ion Ratio Lower Upper
43 100
74 27.6 26.2 39.4

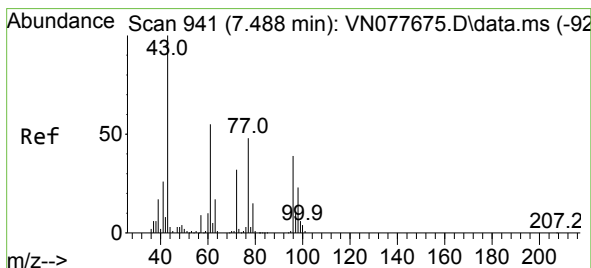
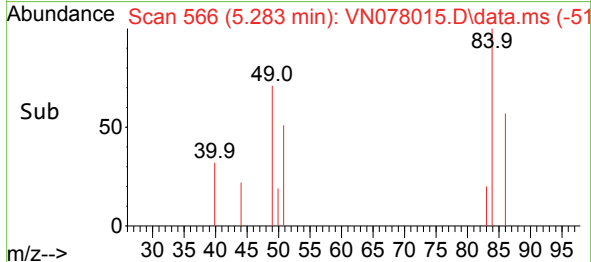
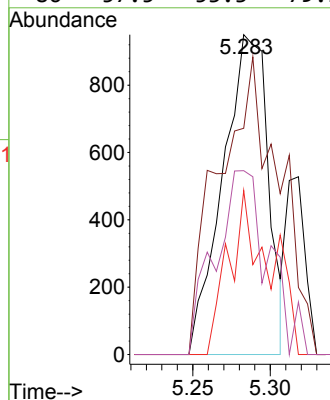
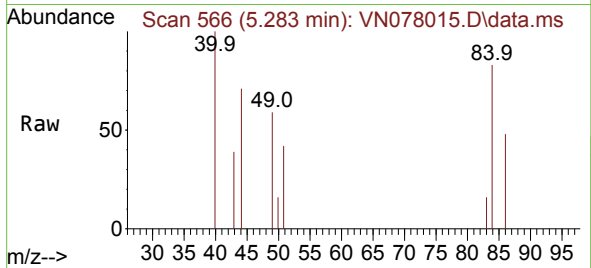




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

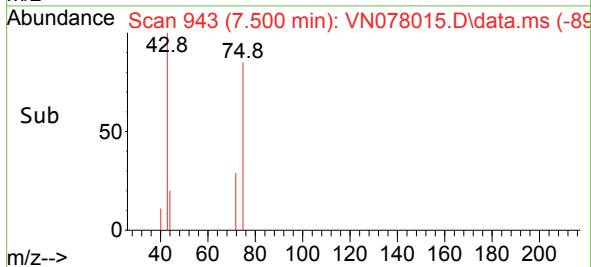
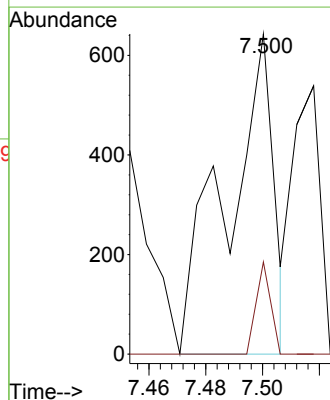
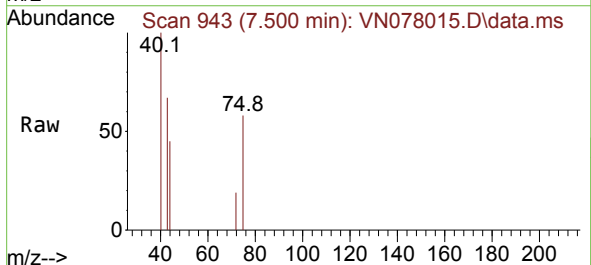
Instrument :
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ClientSampleId :
734DL

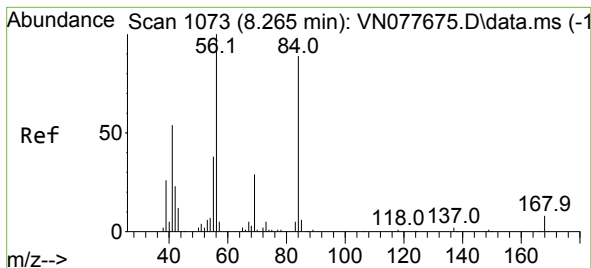
Tgt Ion: 84 Resp: 1936
Ion Ratio Lower Upper
84 100
49 70.7 79.7 119.5#
51 51.3 25.2 37.8#
86 57.5 53.3 79.9



#25
2-Butanone
Concen: 0.231 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
72 28.8 30.2 45.2#





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

734DL

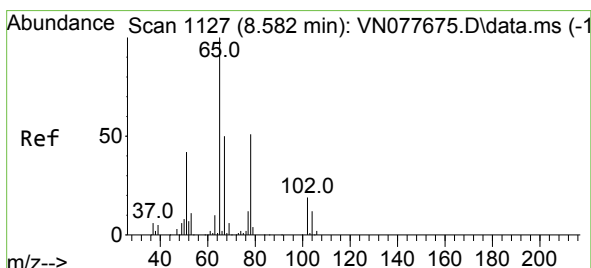
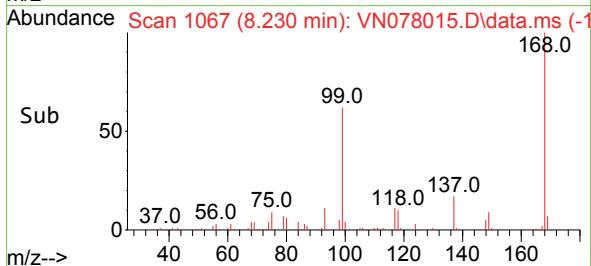
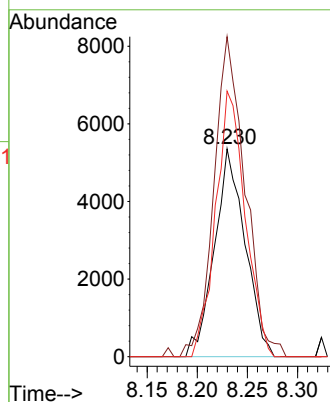
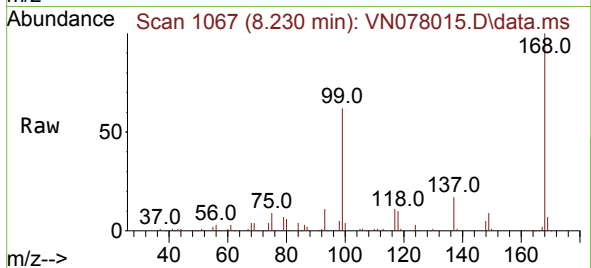
Tgt Ion: 56 Resp: 11372

Ion Ratio Lower Upper

56 100

69 154.0 26.8 40.2#

84 127.8 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 44.876 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078015.D

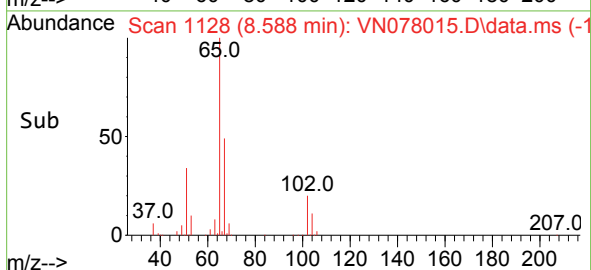
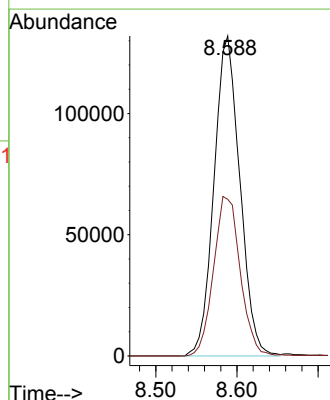
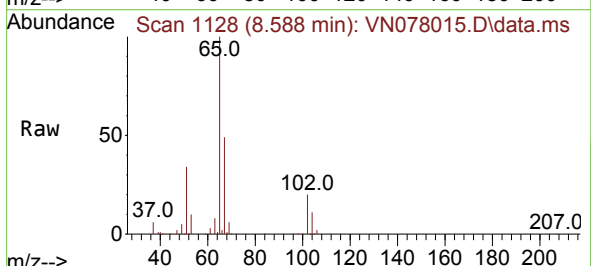
Acq: 01 Jun 2023 17:14

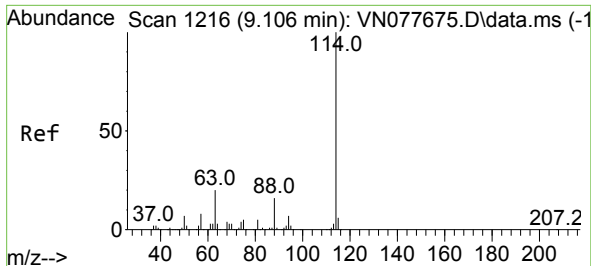
Tgt Ion: 65 Resp: 291881

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

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734DL

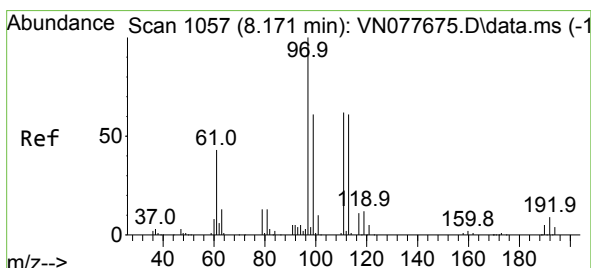
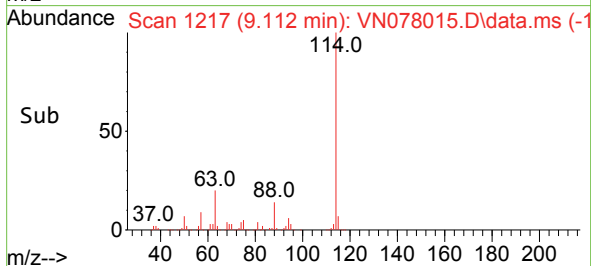
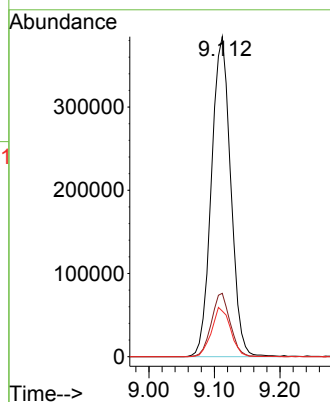
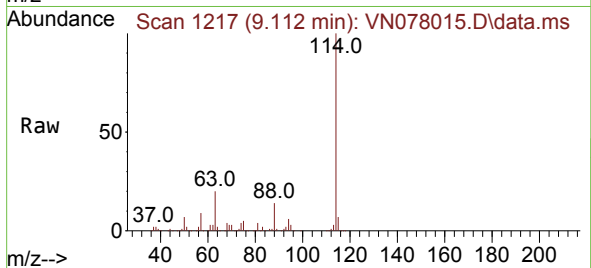
Tgt Ion:114 Resp: 784671

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.998 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

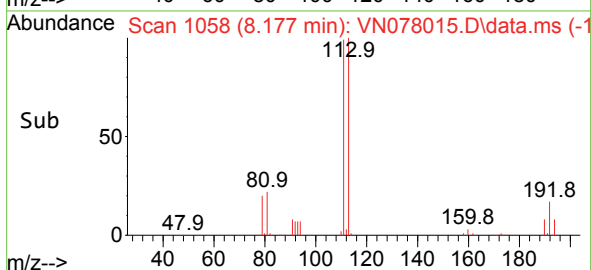
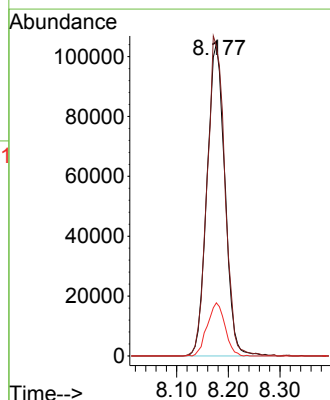
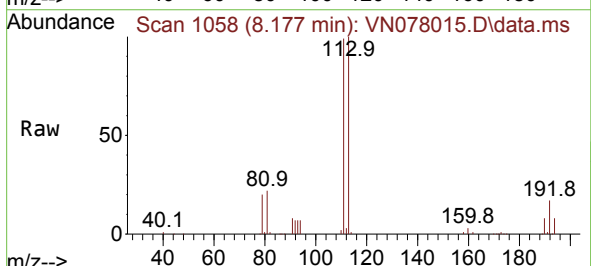
Tgt Ion:113 Resp: 250711

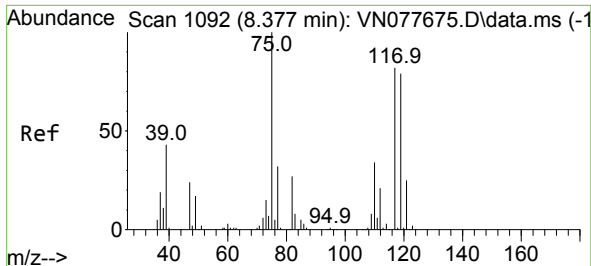
Ion Ratio Lower Upper

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111 102.0 82.6 123.8

192 17.0 12.7 19.1

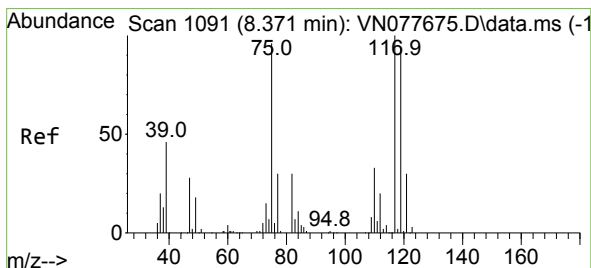
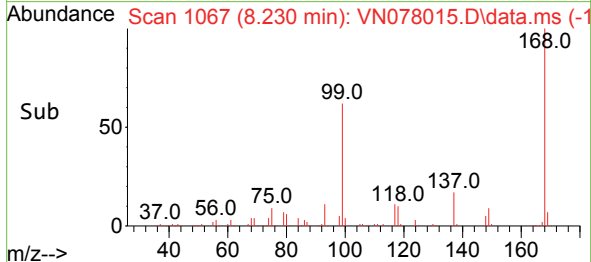
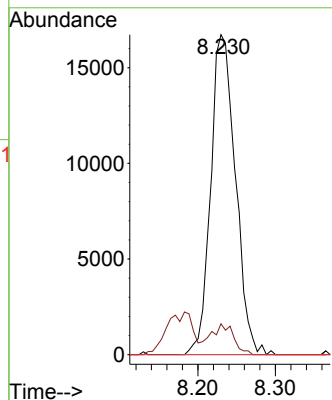
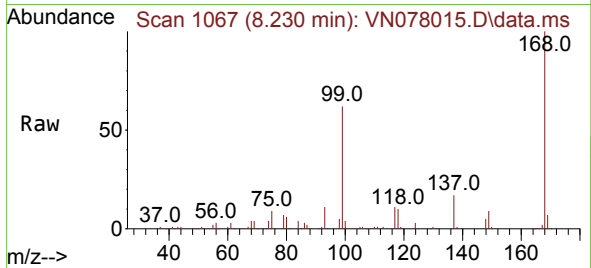




#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

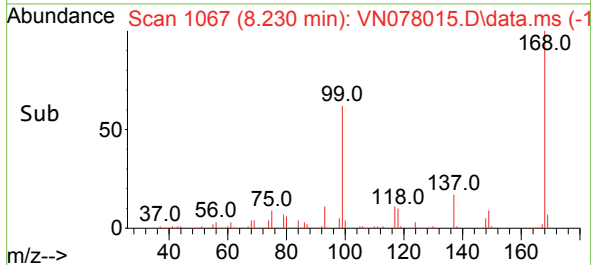
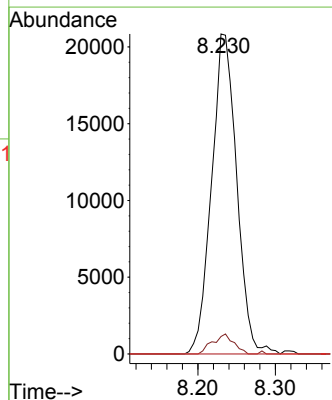
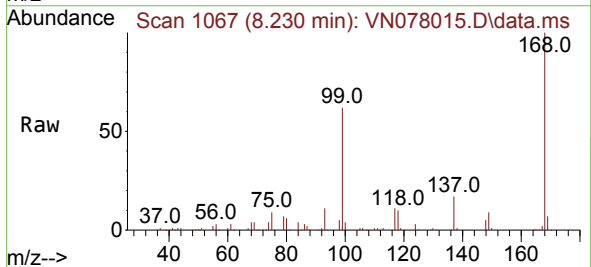
Instrument :
MSVOA_N
ClientSampleId :
734DL

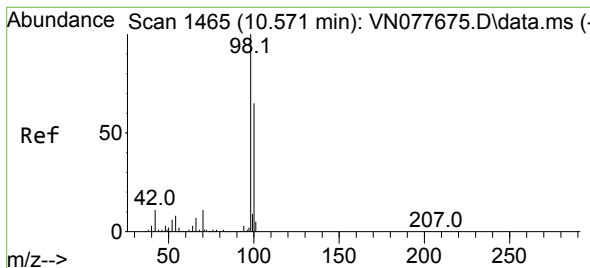
Tgt Ion: 75 Resp: 37135
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

Tgt Ion: 117 Resp: 47006
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 48.907 ug/l

RT: 10.577 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

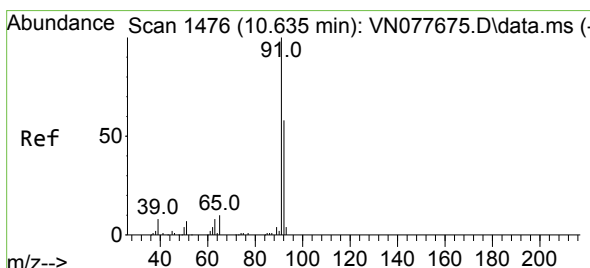
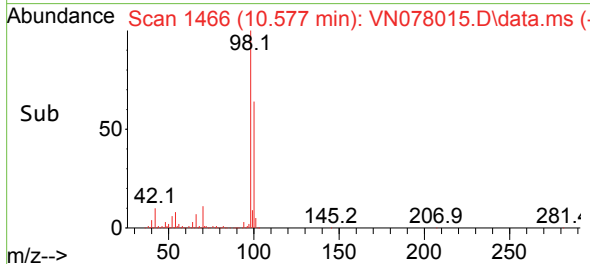
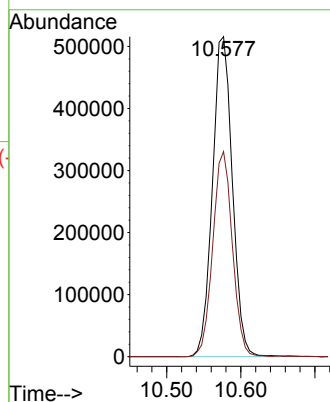
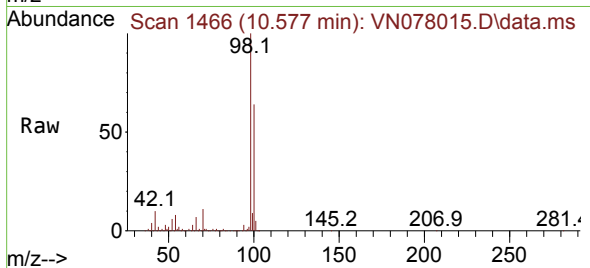
734DL

Tgt Ion: 98 Resp: 963212

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0



#52

Toluene

Concen: 0.549 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078015.D

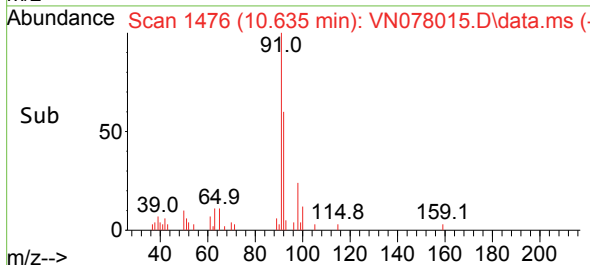
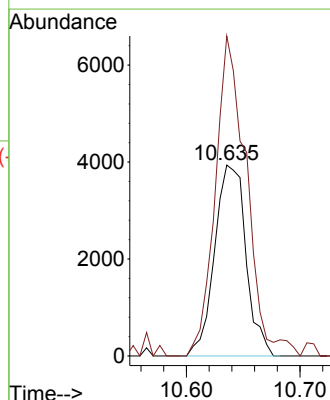
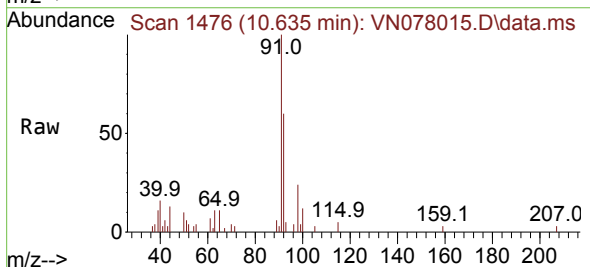
Acq: 01 Jun 2023 17:14

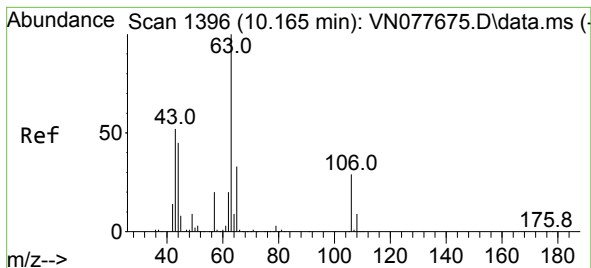
Tgt Ion: 92 Resp: 7544

Ion Ratio Lower Upper

92 100

91 166.6 137.4 206.0

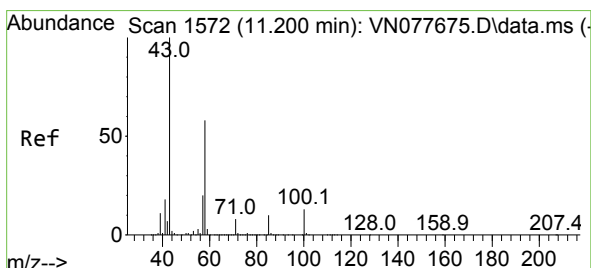
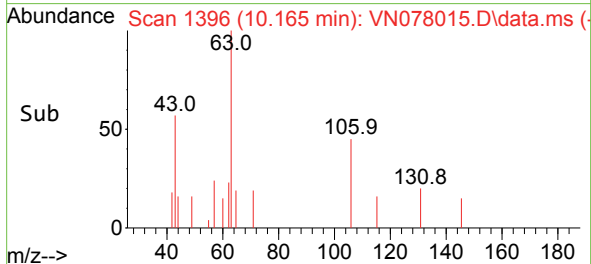
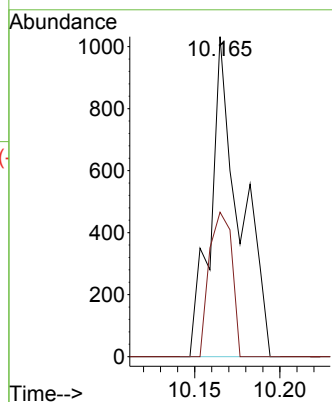
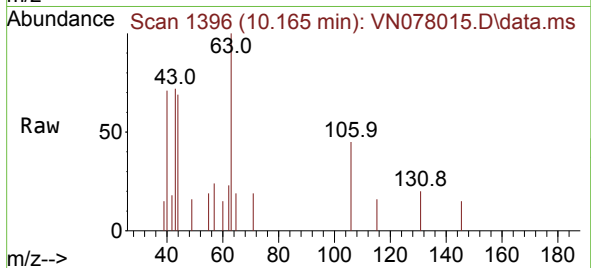




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.302 ug/l
 RT: 10.165 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN078015.D
 Acq: 01 Jun 2023 17:14

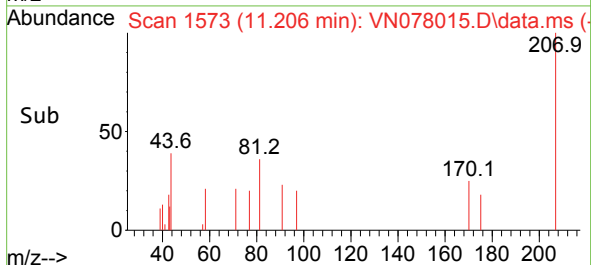
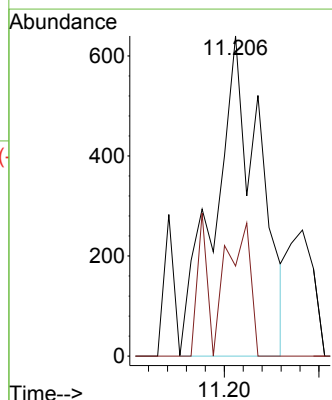
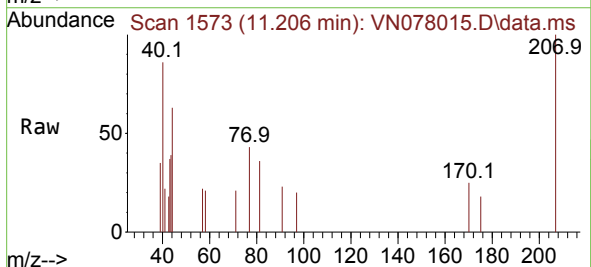
Instrument :
 MSVOA_N
 ClientSampleId :
 734DL

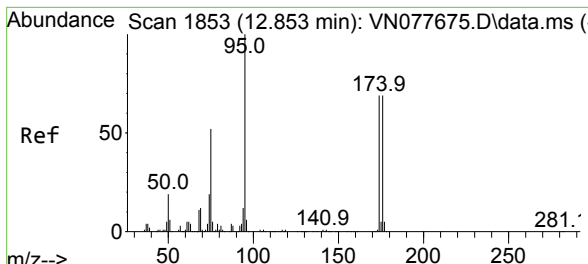
Tgt Ion: 63 Resp: 1226
 Ion Ratio Lower Upper
 63 100
 106 35.3 26.2 39.4



#59
 2-Hexanone
 Concen: 0.222 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.006 min
 Lab File: VN078015.D
 Acq: 01 Jun 2023 17:14

Tgt Ion: 43 Resp: 1065
 Ion Ratio Lower Upper
 43 100
 58 22.1 31.7 95.1#

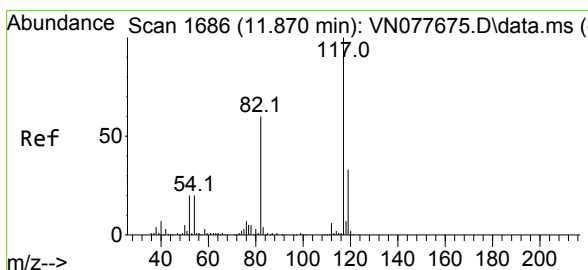
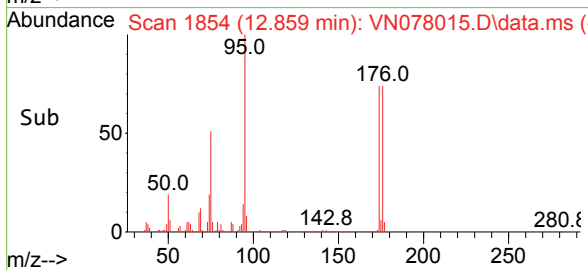
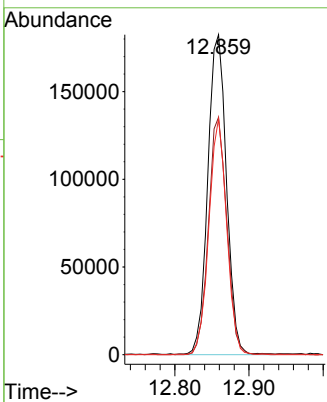
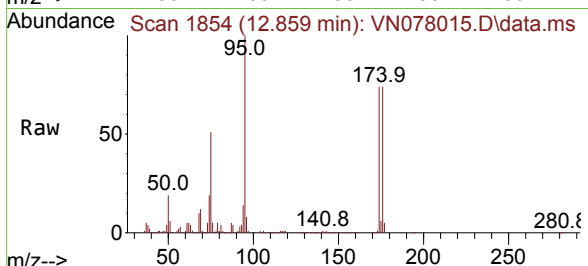




#62
 4-Bromofluorobenzene
 Concen: 45.980 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VN078015.D
 Acq: 01 Jun 2023 17:14

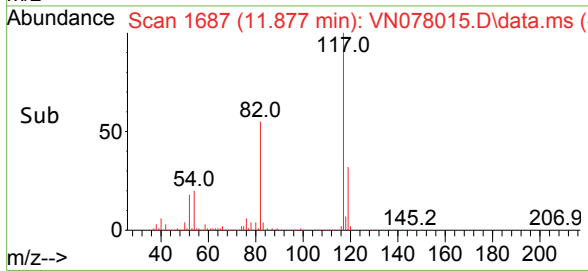
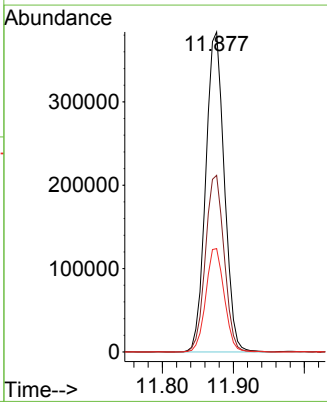
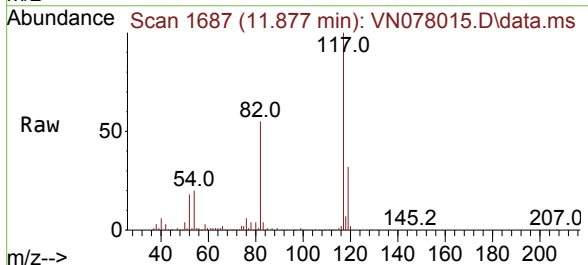
Instrument :
 MSVOA_N
 ClientSampleId :
 734DL

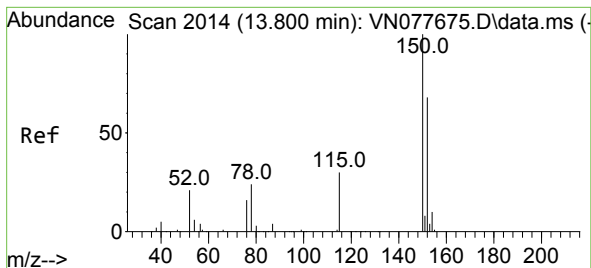
Tgt Ion:	95	Resp:	319830
Ion Ratio	Lower	Upper	
95	100		
174	73.1	0.0	143.8
176	70.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.877 min Scan# 1687
 Delta R.T. 0.007 min
 Lab File: VN078015.D
 Acq: 01 Jun 2023 17:14

Tgt Ion:	117	Resp:	696428
Ion Ratio	Lower	Upper	
117	100		
82	55.2	44.0	66.0
119	32.3	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

734DL

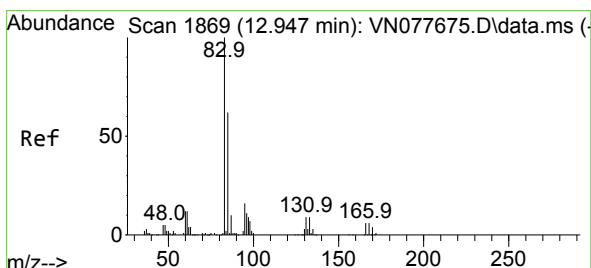
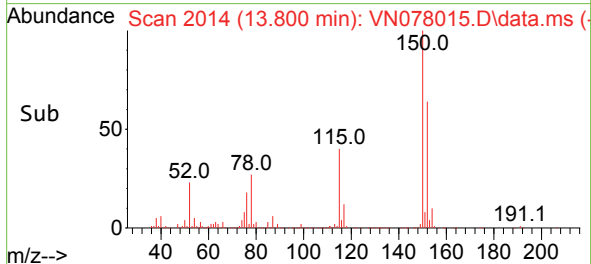
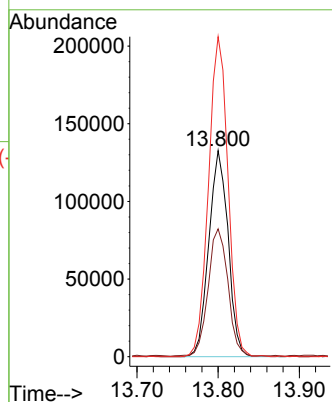
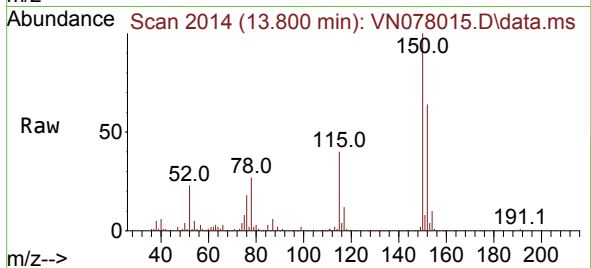
Tgt Ion:152 Resp: 219095

Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 156.9 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: 0.264 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.006 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

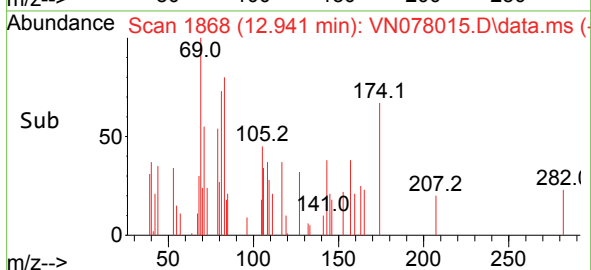
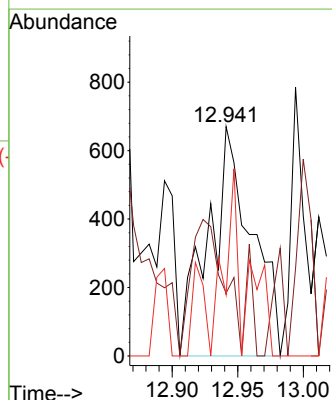
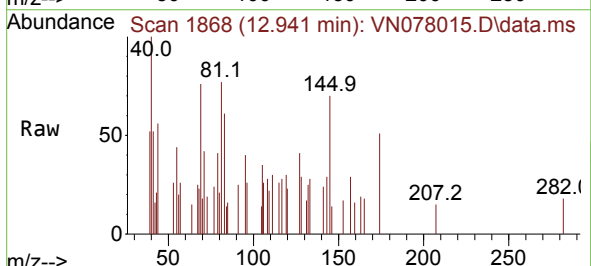
Tgt Ion: 83 Resp: 1534

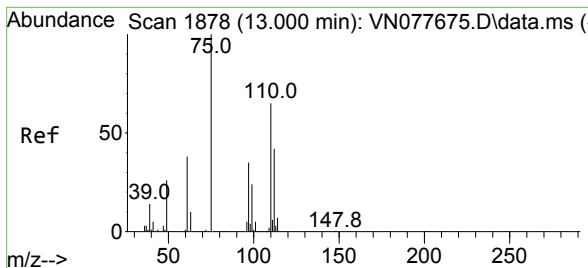
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 23.3 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.707 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

Instrument :

MSVOA_N

ClientSampleId :

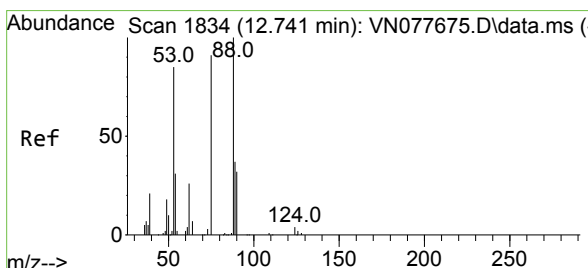
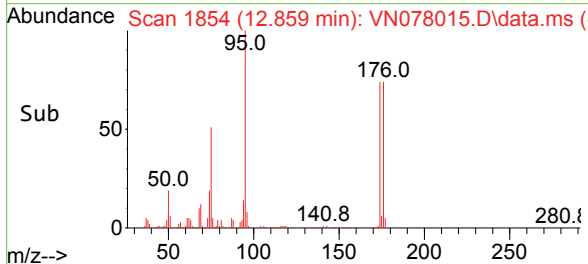
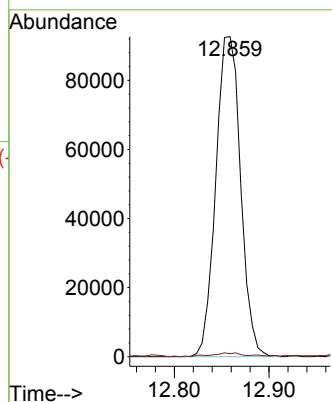
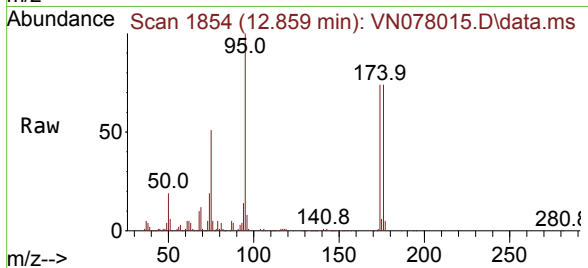
734DL

Tgt Ion: 75 Resp: 168489

Ion Ratio Lower Upper

75 100

77 1.7 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.157 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078015.D

Acq: 01 Jun 2023 17:14

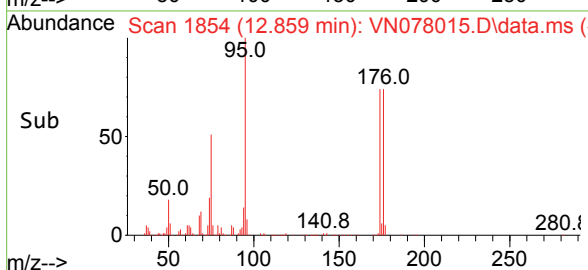
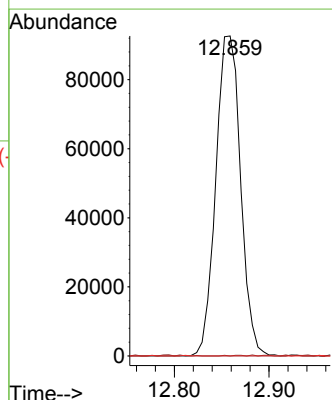
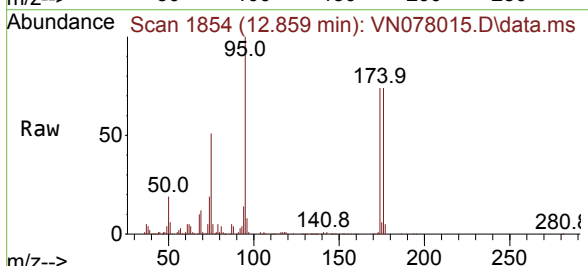
Tgt Ion: 75 Resp: 168489

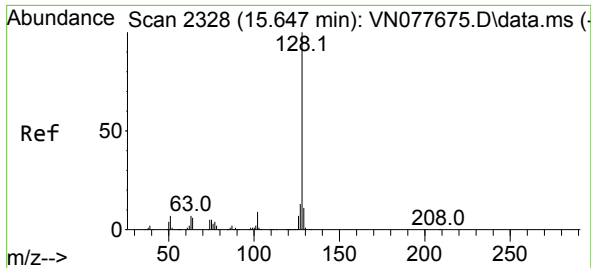
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.271 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078015.D
Acq: 01 Jun 2023 17:14

Instrument :
MSVOA_N
ClientSampleId :
734DL

Tgt Ion:	128	Resp:	4055
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.0	15.0
129	0.0	8.7	13.1#

