

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092123\
 Data File : VN079315.D
 Acq On : 21 Sep 2023 09:52
 Operator : JC\MD
 Sample : VN0921MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 22 02:26:17 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)

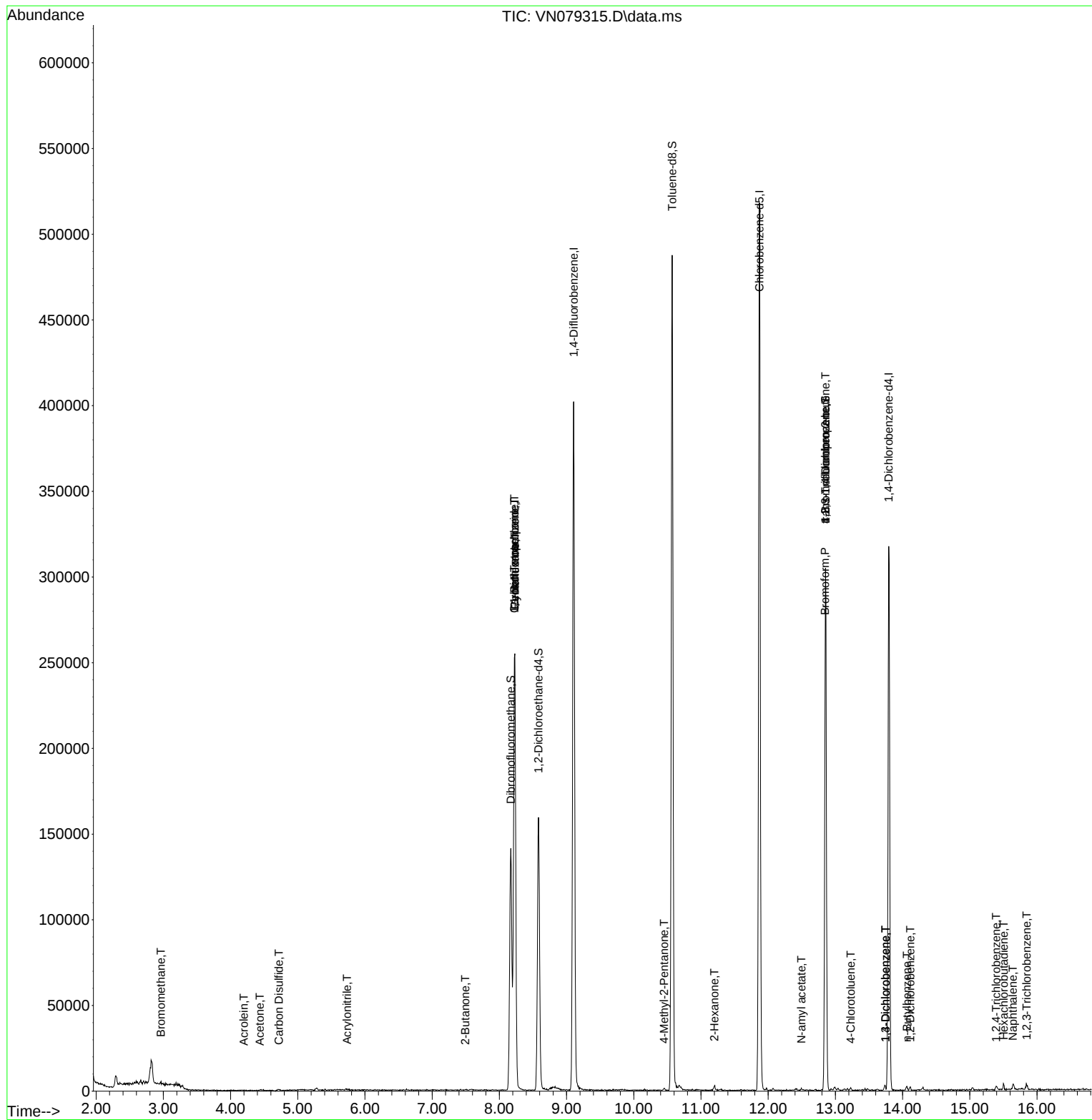
Internal Standards						
1) Pentafluorobenzene	8.229	168	179469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	329104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	289171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126499	52.215	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.420%	
35) Dibromofluoromethane	8.171	113	99853	45.613	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.220%	
50) Toluene-d8	10.570	98	328387	40.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 81.700%#	
62) 4-Bromofluorobenzene	12.853	95	103685	40.438	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 80.880%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	483	0.331	ug/l #	71
6) Chloroethane	3.130	64	147	Below Cal	#	43
13) Acrolein	4.200	56	96	0.225	ug/l #	16
15) Acrylonitrile	5.735	53	388	0.335	ug/l #	66
16) Acetone	4.436	43	660	0.641	ug/l #	40
17) Carbon Disulfide	4.718	76	1241	0.207	ug/l #	75
25) 2-Butanone	7.494	43	375	0.251	ug/l #	37
31) Cyclohexane	8.229	56	4914	1.389	ug/l #	32
36) 1,1-Dichloropropene	8.223	75	16989	5.035	ug/l #	47
38) Carbon Tetrachloride	8.223	117	20041	5.739	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	1110	0.348	ug/l #	73
58) 2-Chloroethyl Vinyl ether	10.159	63	114	Below Cal	#	42
59) 2-Hexanone	11.200	43	2213	0.958	ug/l	60
71) Bromoform	12.847	173	900	0.496	ug/l #	1
74) N-amyl acetate	12.494	43	832	0.291	ug/l #	52
76) 1,2,3-Trichloropropane	12.853	75	57902	25.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57902	71.341	ug/l #	15
82) 4-Chlorotoluene	13.229	91	1399	0.269	ug/l	77
87) 1,3-Dichlorobenzene	13.747	146	1111	0.355	ug/l	91
88) 1,4-Dichlorobenzene	13.747	146	1111	0.351	ug/l	92
89) n-Butylbenzene	14.064	91	1639	0.365	ug/l	98
91) 1,2-Dichlorobenzene	14.117	146	1008	0.326	ug/l #	76
93) 1,2,4-Trichlorobenzene	15.394	180	888	0.800	ug/l #	82
94) Hexachlorobutadiene	15.505	225	660	0.756	ug/l #	72
95) Naphthalene	15.641	128	3325	1.009	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.847	180	1610	1.230	ug/l	91

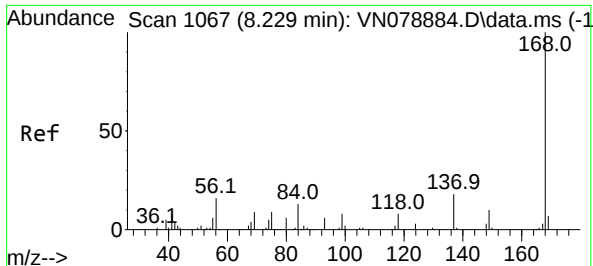
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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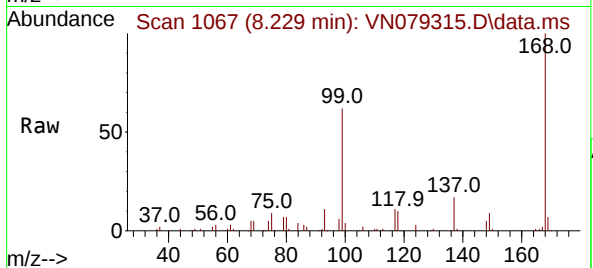
Quant Time: Sep 22 02:26:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
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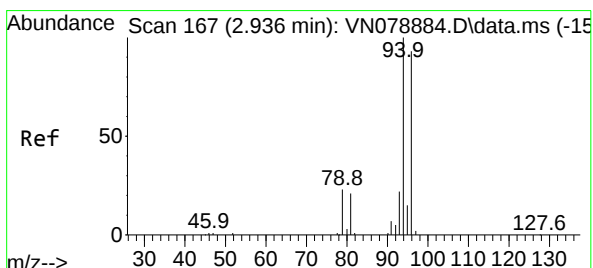
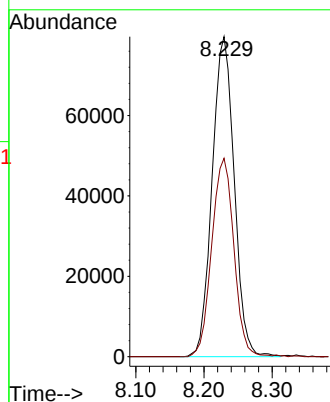
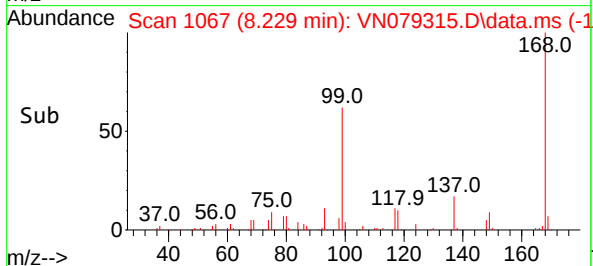


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

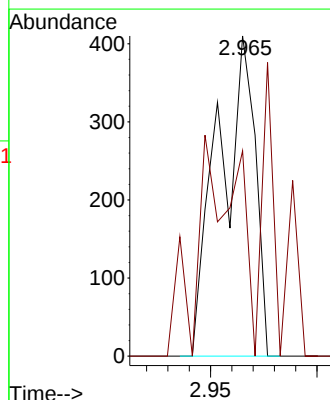
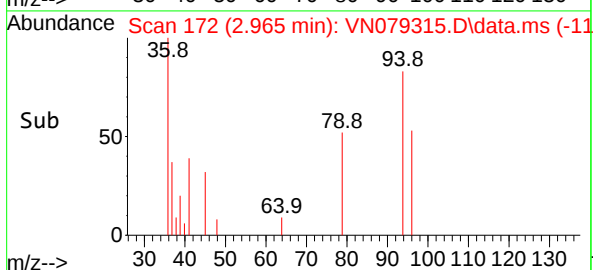
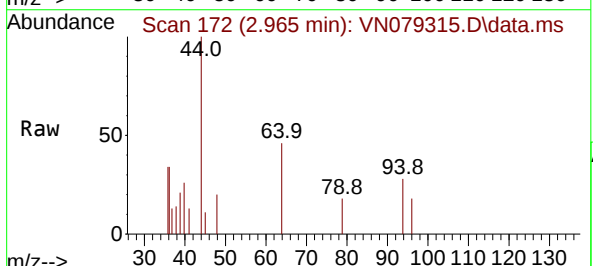


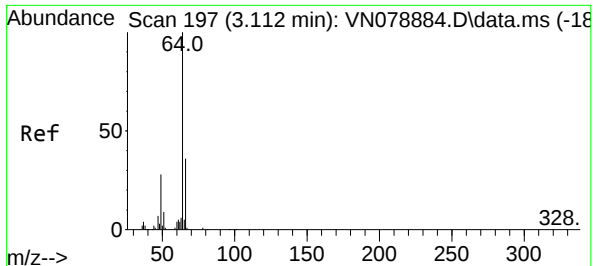
Tgt Ion:168 Resp: 179469
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.017 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

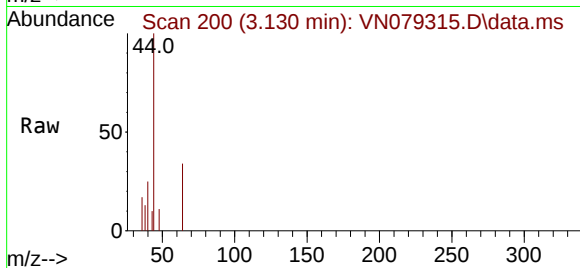
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 64.1 73.1 109.7#



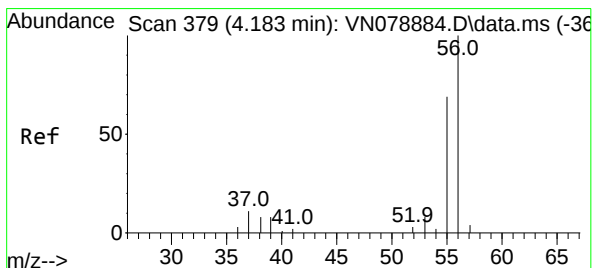
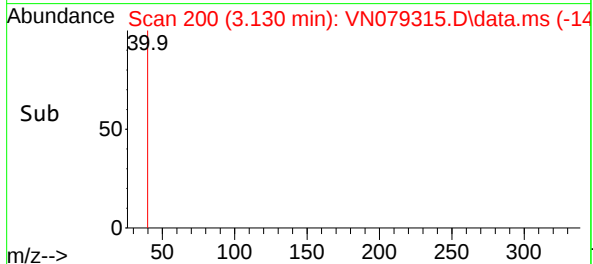
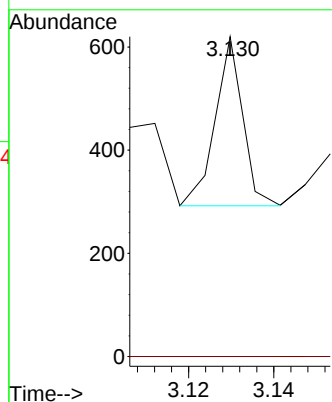


#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

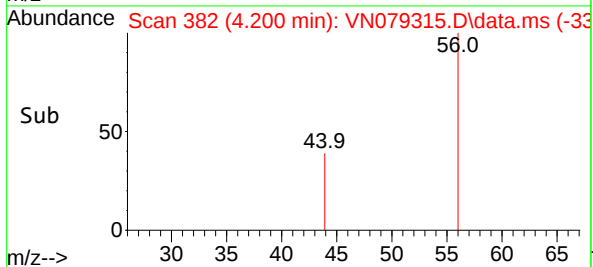
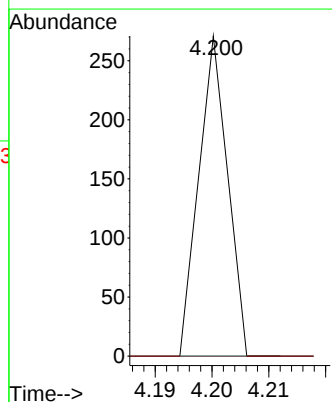
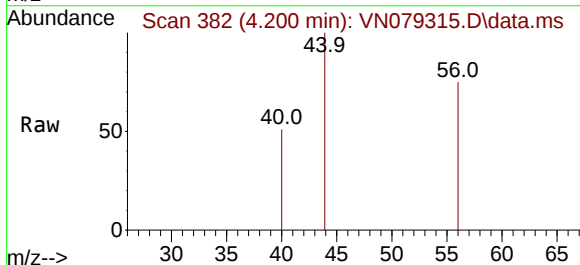


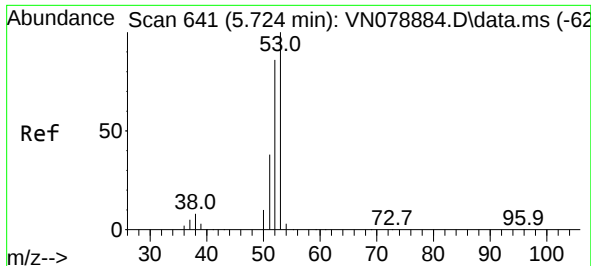
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.225 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.005 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

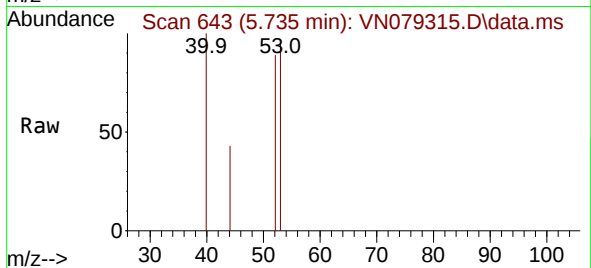
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



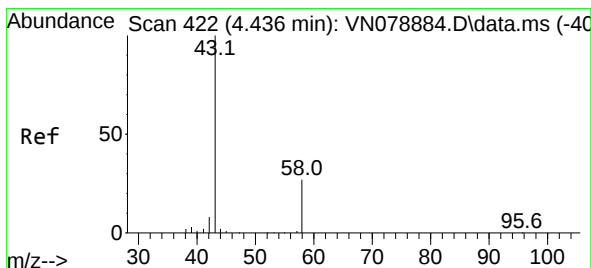
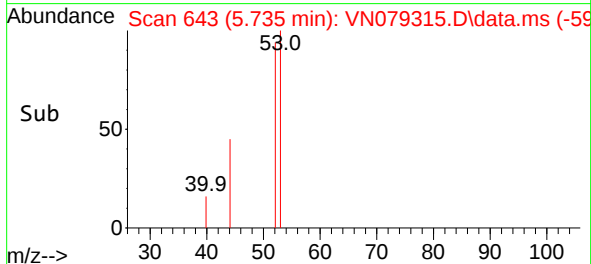
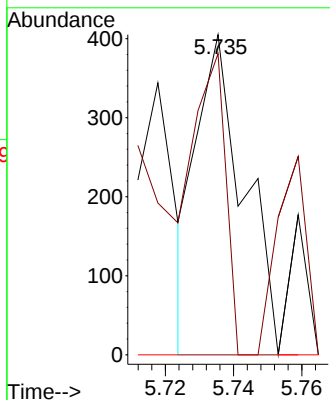


#15
Acrylonitrile
Concen: 0.335 ug/l
RT: 5.735 min Scan# 641
Delta R.T. 0.005 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

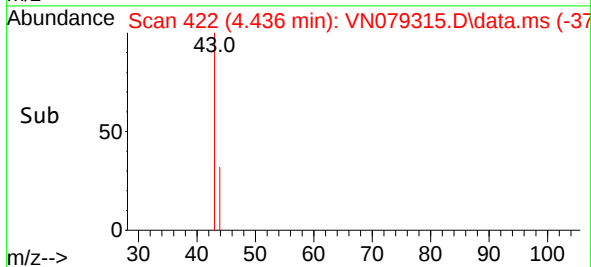
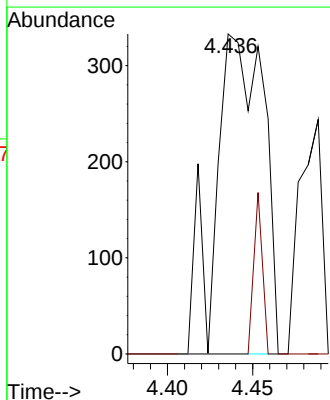
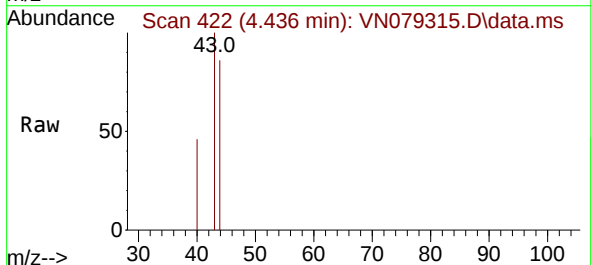


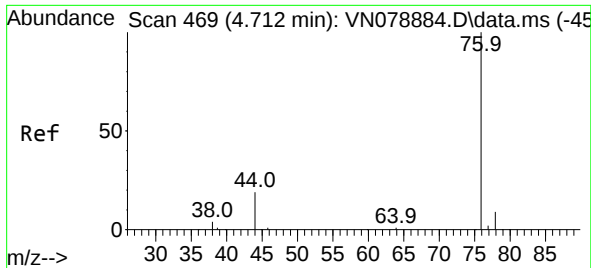
Tgt Ion: 53 Resp: 388
Ion Ratio Lower Upper
53 100
52 62.6 65.3 97.9#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.641 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

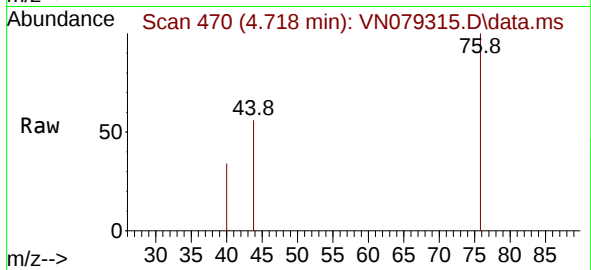
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



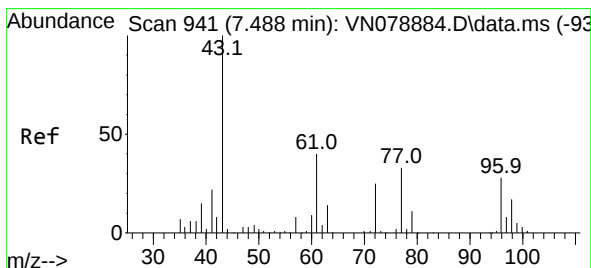
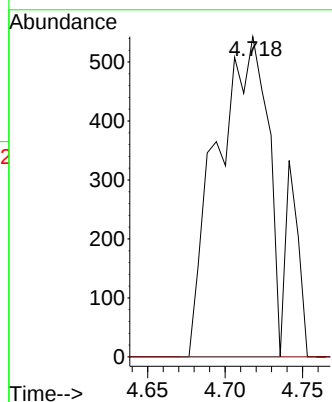
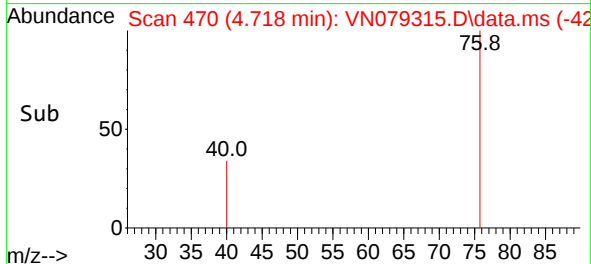


#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

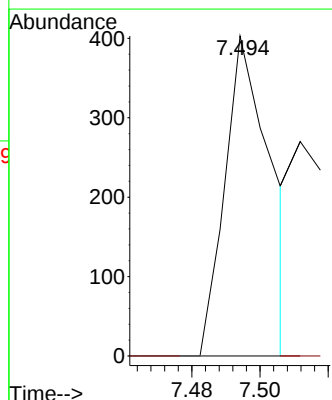
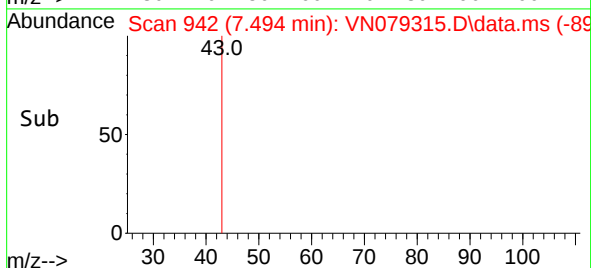
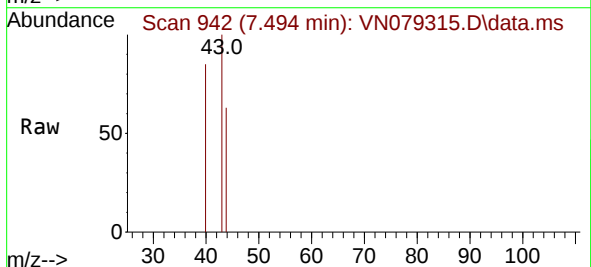


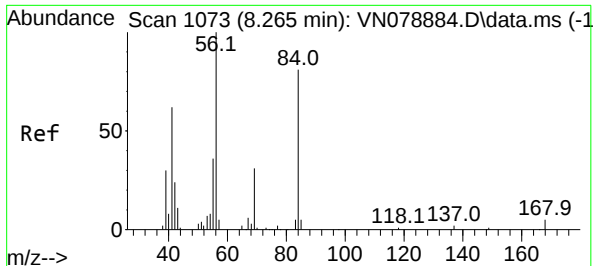
Tgt Ion: 76 Resp: 1241
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#25
2-Butanone
Concen: 0.251 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.389 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.036 min

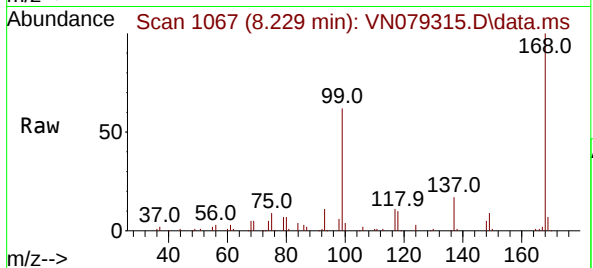
Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

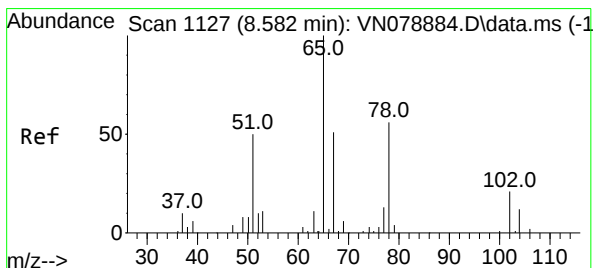
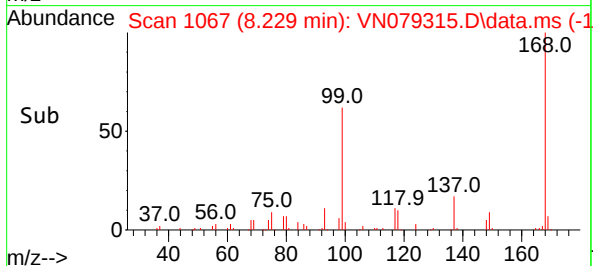
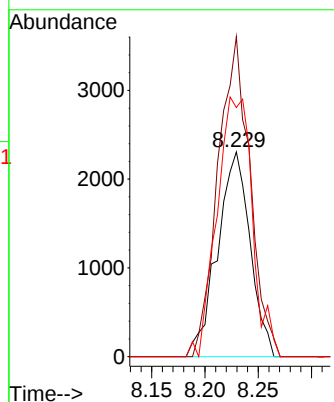
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4914
Ion Ratio	Lower Upper
56	100
69	156.3 26.8 40.2#
84	121.6 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 52.215 ug/l

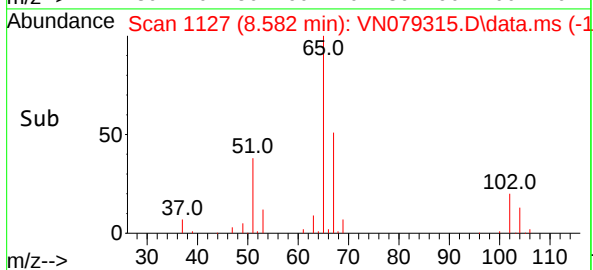
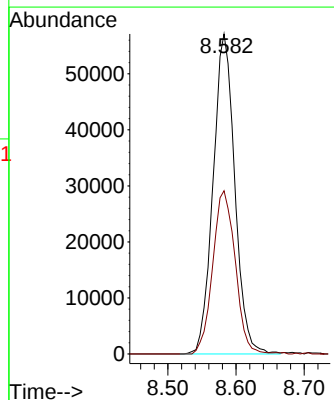
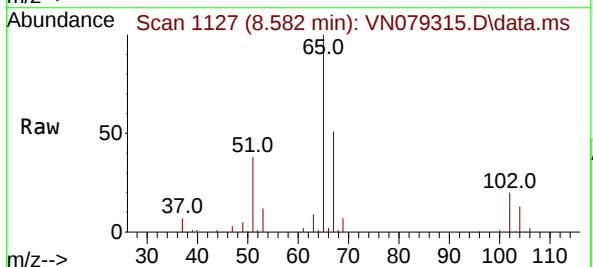
RT: 8.582 min Scan# 1127

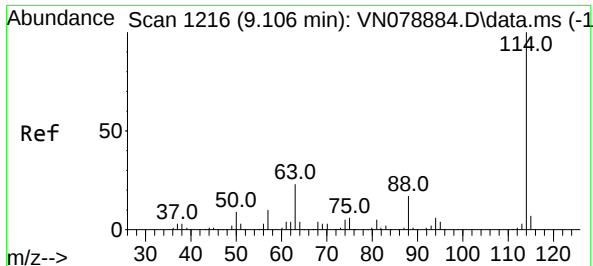
Delta R.T. -0.001 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

Tgt Ion: 65	Resp: 126499
Ion Ratio	Lower Upper
65	100
67	52.9 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: VN079315.D

Acq: 21 Sep 2023 09:52

Instrument :

MSVOA_N

ClientSampleId :

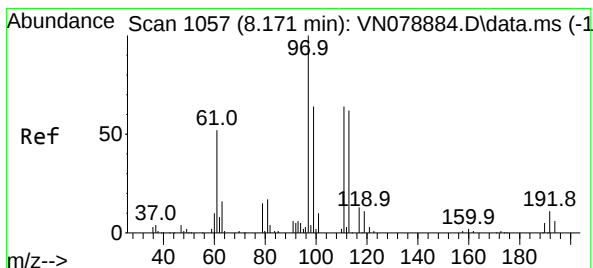
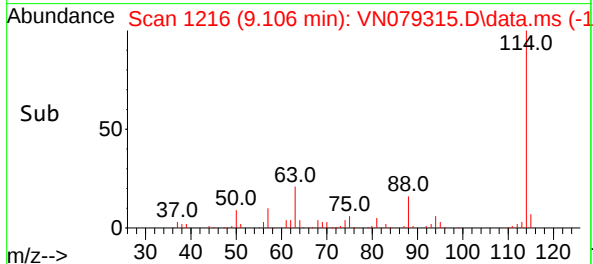
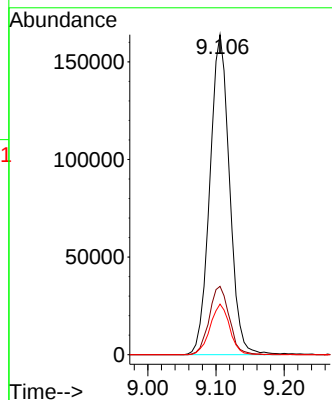
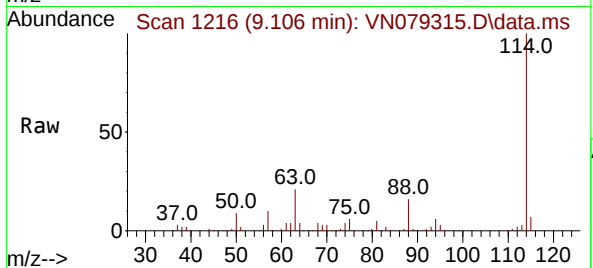
Tgt Ion:114 Resp: 329104

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.613 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

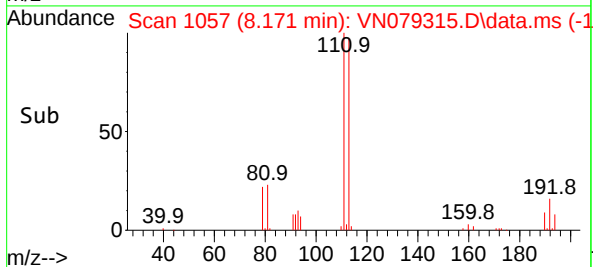
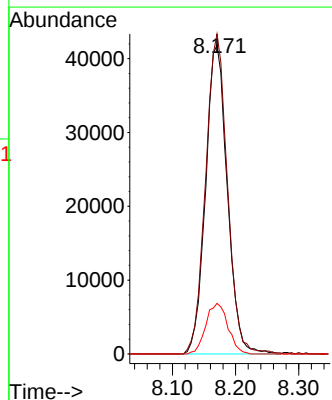
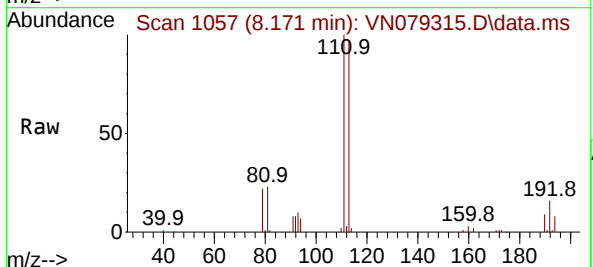
Tgt Ion:113 Resp: 99853

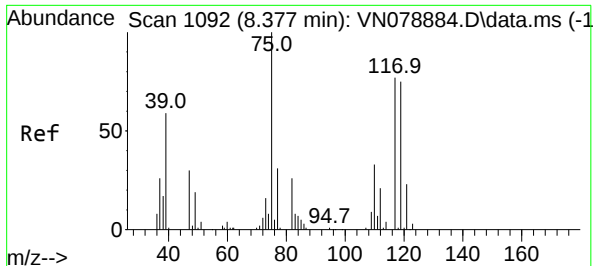
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.154 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

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ClientSampleId :

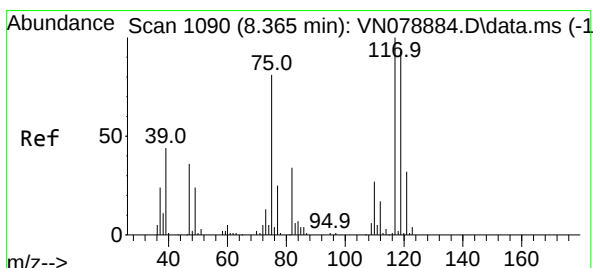
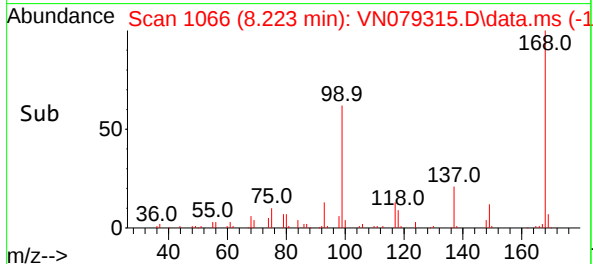
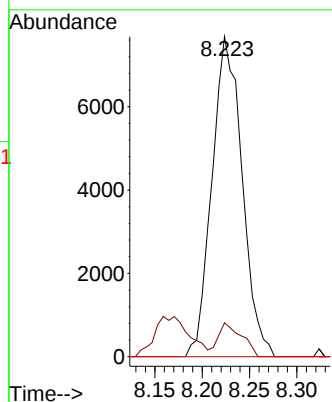
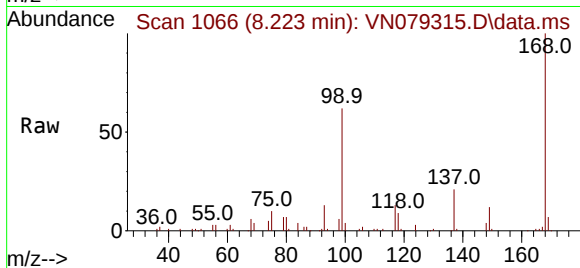
Tgt Ion: 75 Resp: 16989

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.148 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

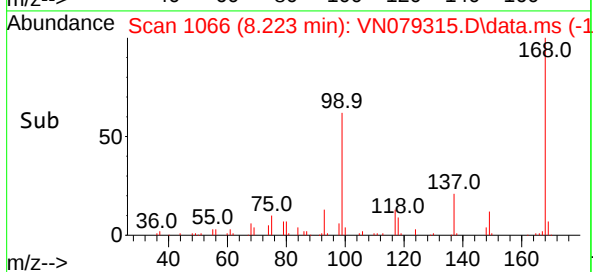
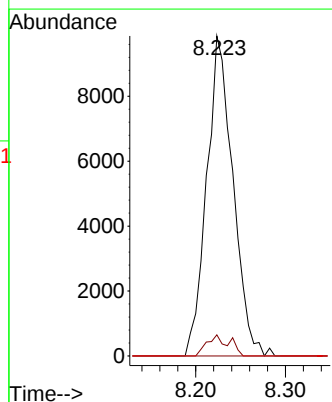
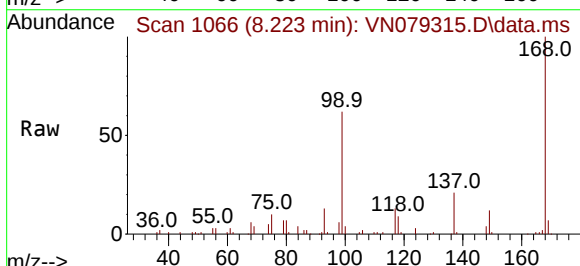
Tgt Ion: 117 Resp: 20041

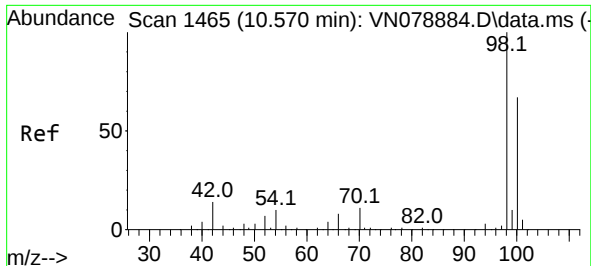
Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#

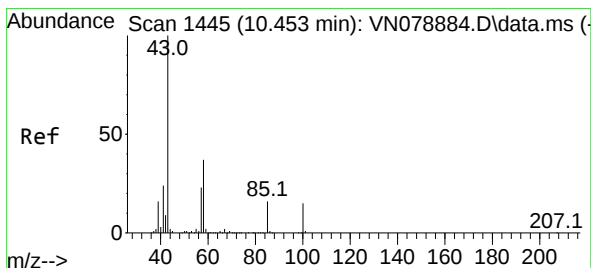
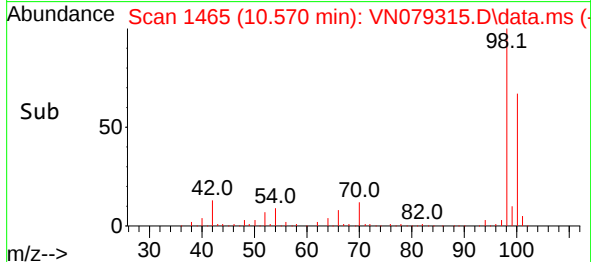
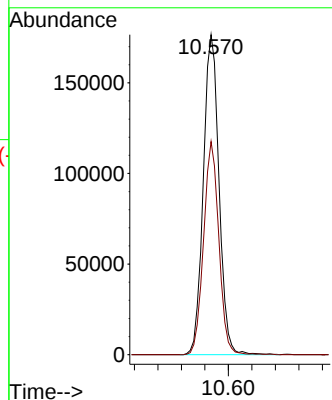
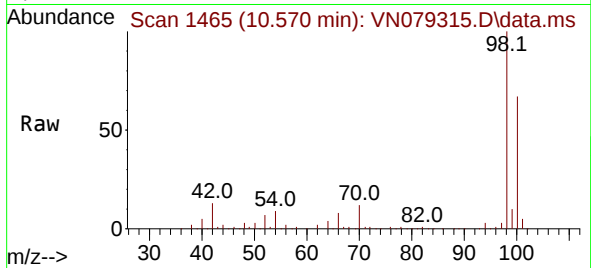




#50
Toluene-d8
Concen: 40.853 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

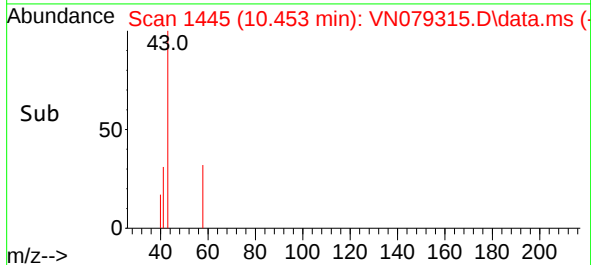
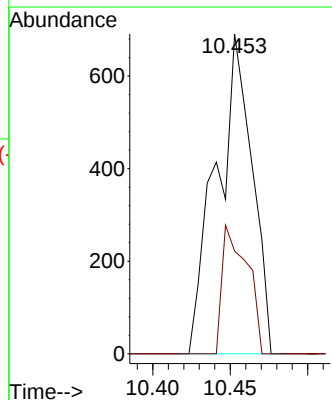
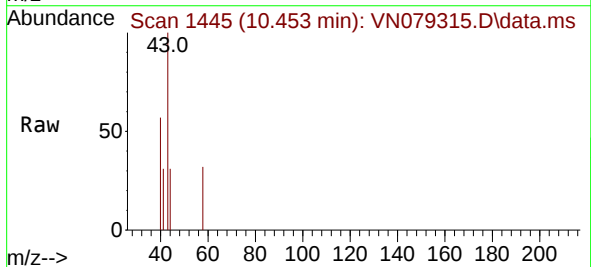
Instrument :
MSVOA_N
ClientSampleId :

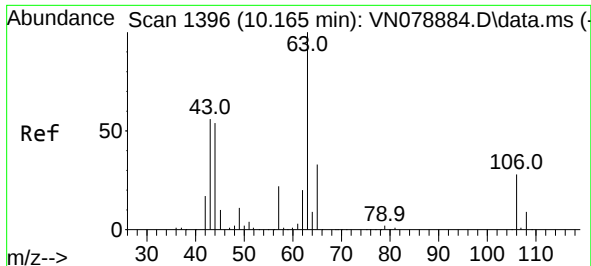
Tgt Ion: 98 Resp: 328387
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 28.1 36.6 54.8#

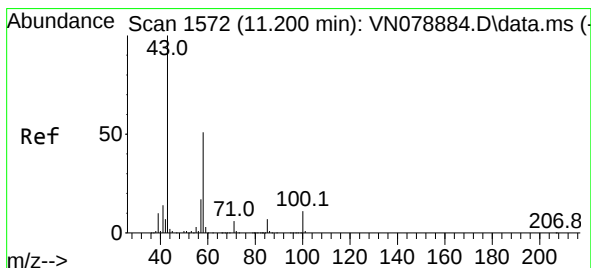
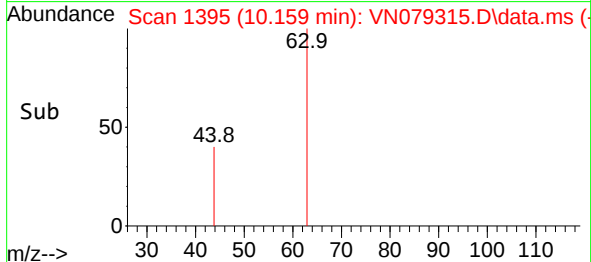
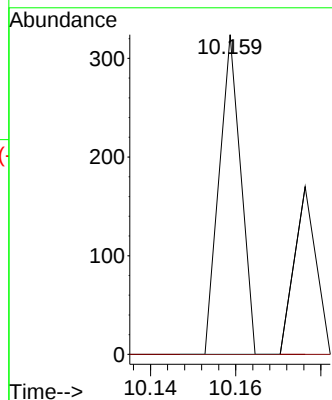
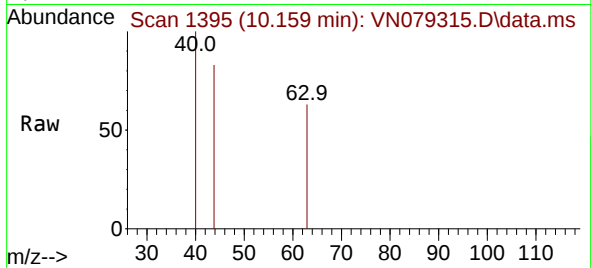




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 114
Delta R.T. -0.006 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

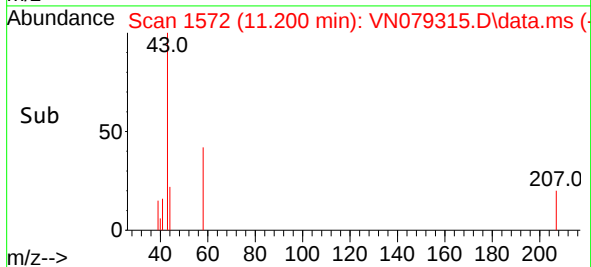
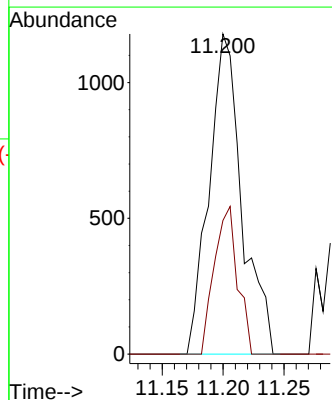
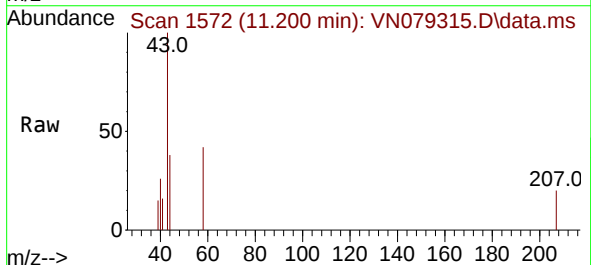
Instrument :
MSVOA_N
ClientSampleId :

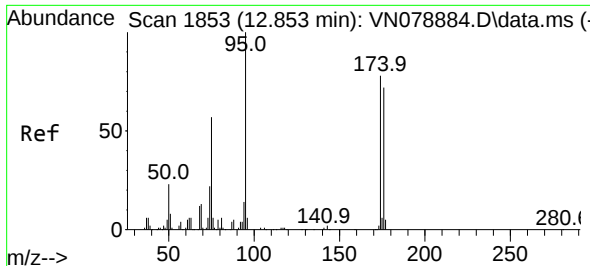
Tgt Ion: 63 Resp: 114
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 0.958 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 43 Resp: 2213
Ion Ratio Lower Upper
43 100
58 32.6 31.7 95.1

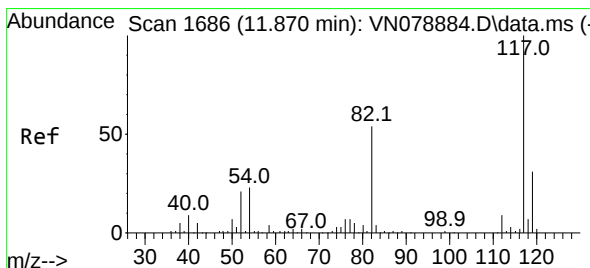
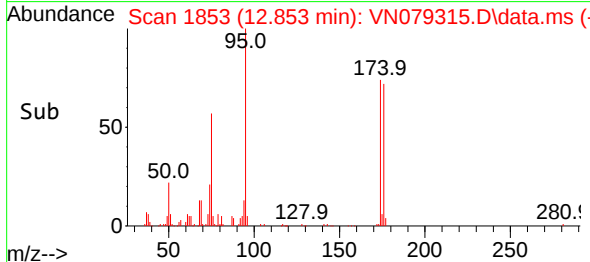
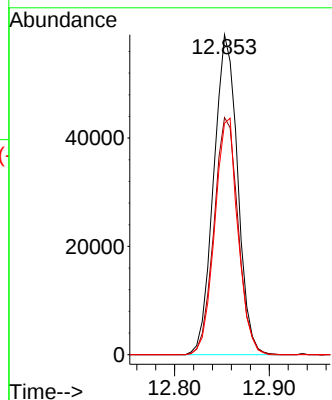
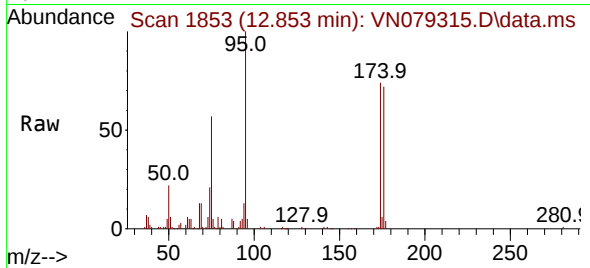




#62
4-Bromofluorobenzene
Concen: 40.438 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

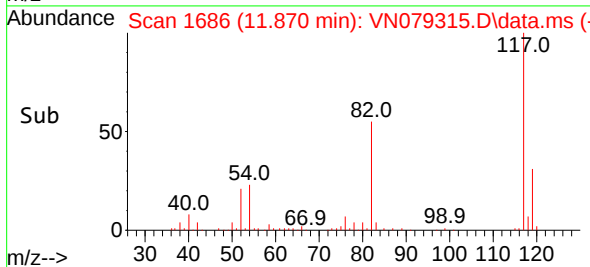
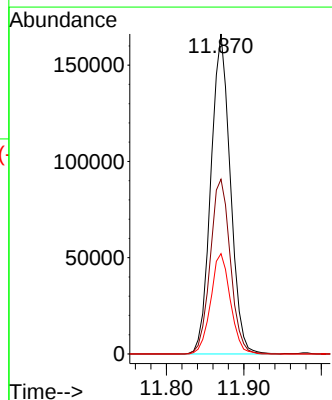
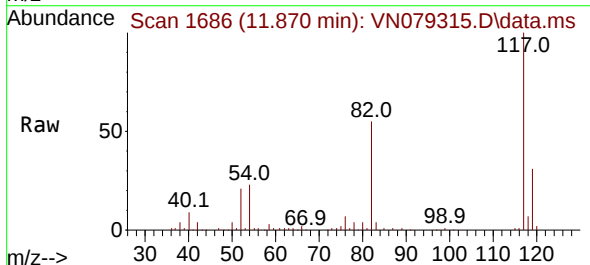
Instrument :
MSVOA_N
ClientSampleId :

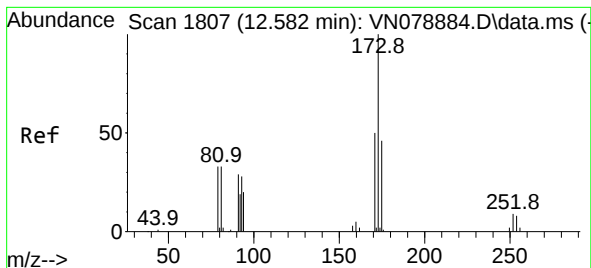
Tgt Ion: 95 Resp: 103685
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 117 Resp: 289171
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.496 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

Instrument :

MSVOA_N

ClientSampleId :

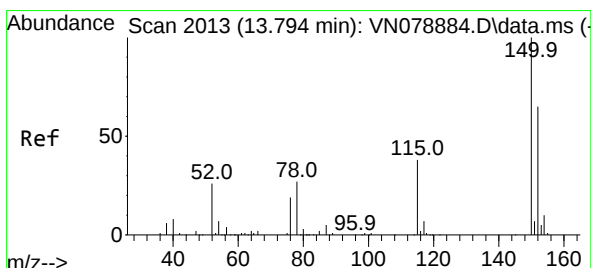
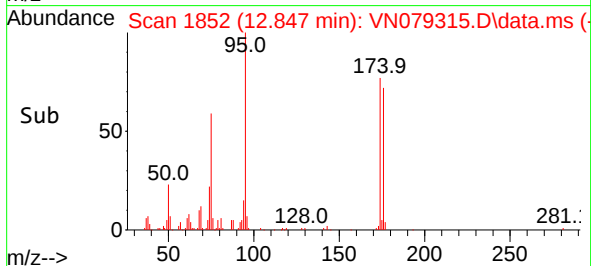
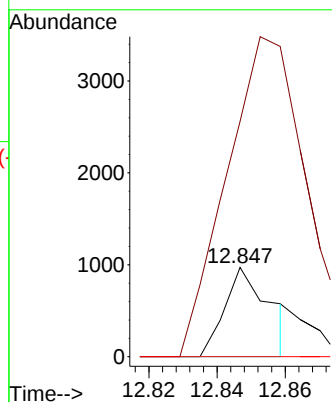
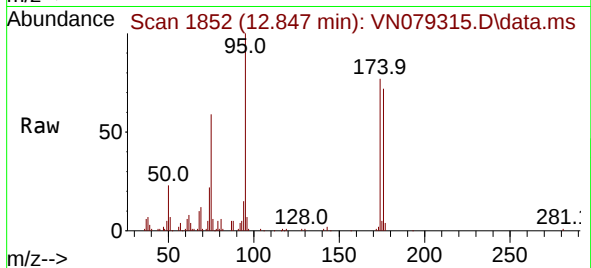
Tgt Ion:173 Resp: 900

Ion Ratio Lower Upper

173 100

175 466.8 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

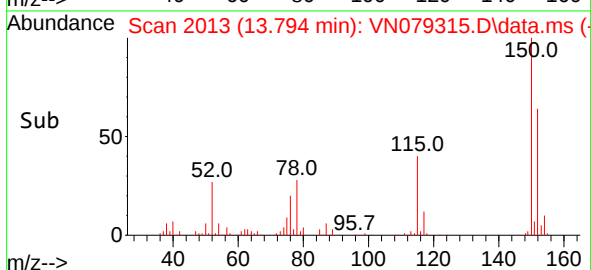
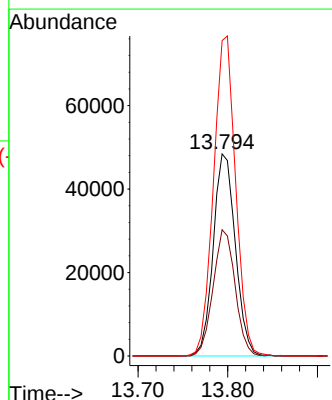
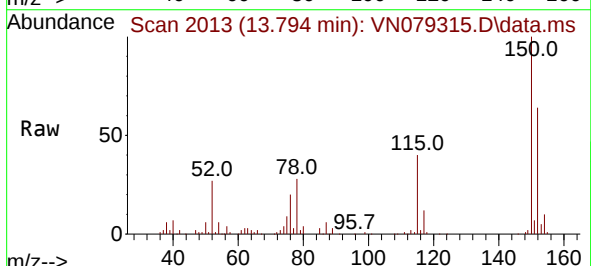
Tgt Ion:152 Resp: 82791

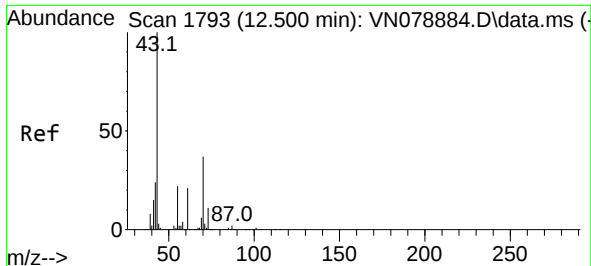
Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

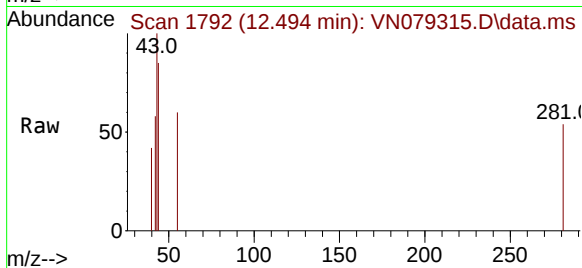
150 158.6 0.0 355.8



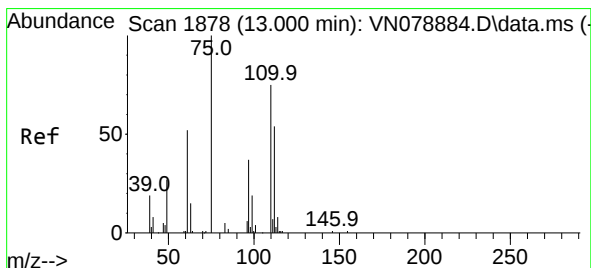
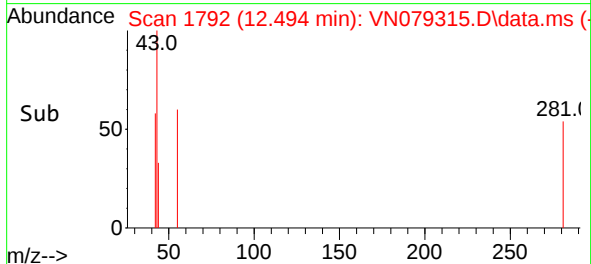
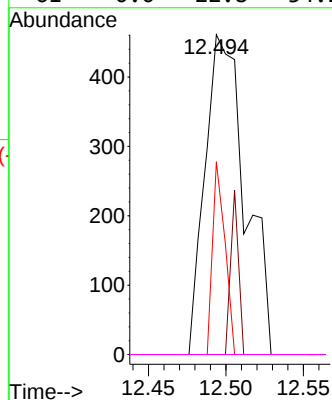


#74
N-amy1 acetate
Concen: 0.291 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

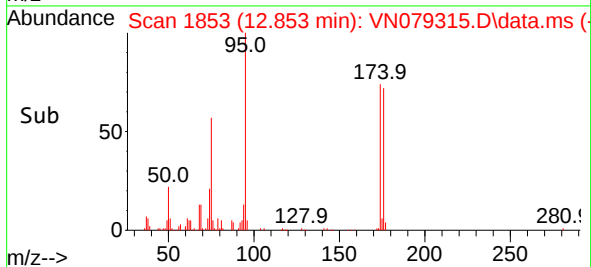
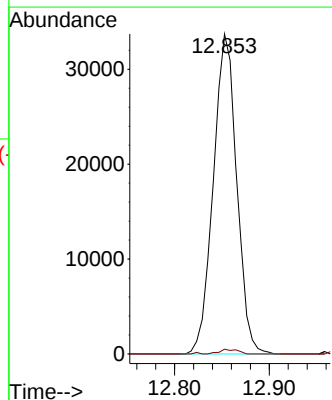
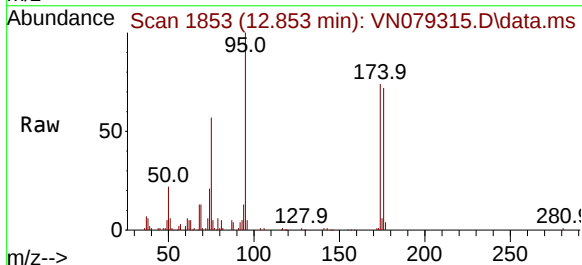


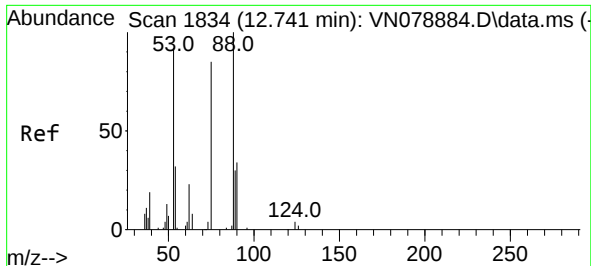
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
70 10.1 43.4 65.2#
55 18.5 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 25.950 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 75 Resp: 57902
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

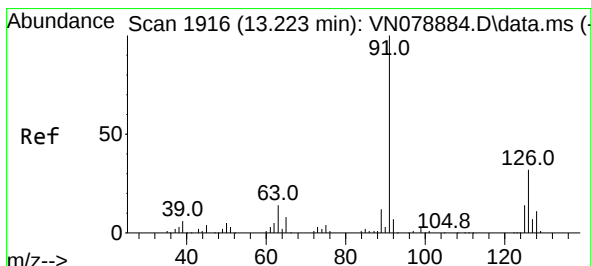
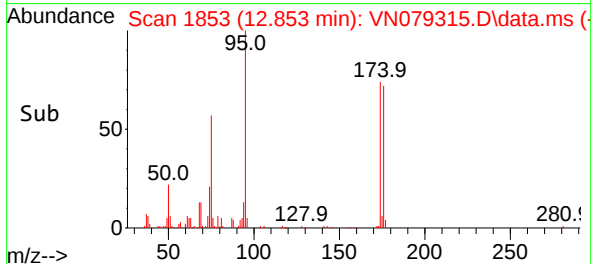
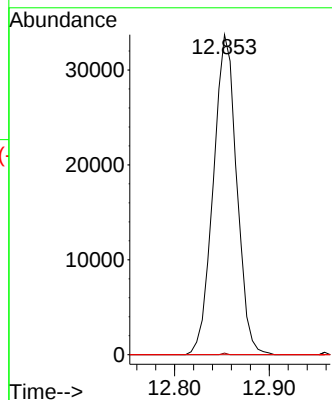
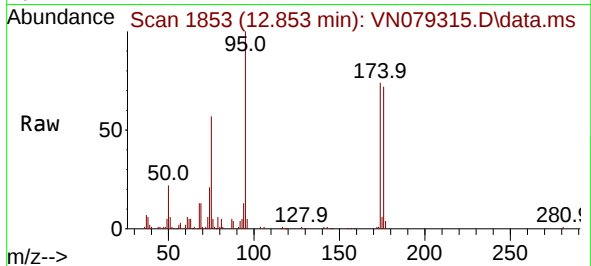




#81
trans-1,4-Dichloro-2-butene
Concen: 71.341 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

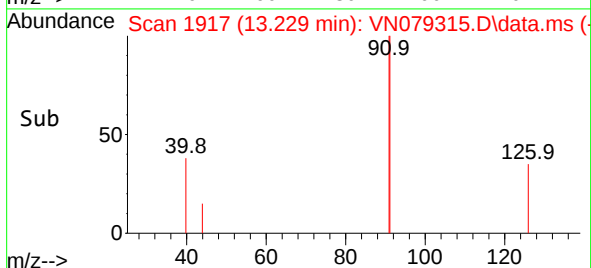
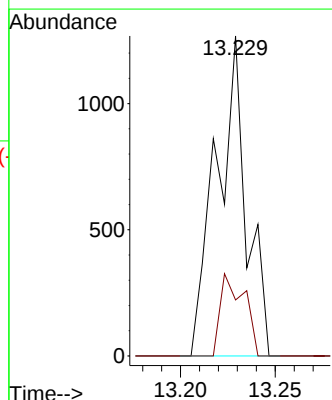
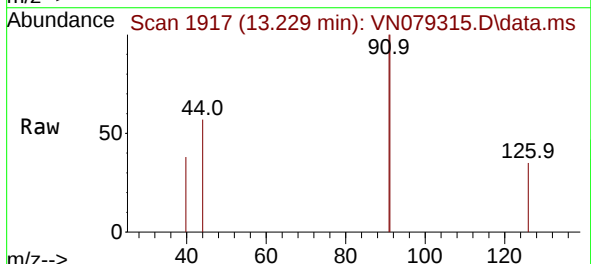
Instrument :
MSVOA_N
ClientSampleId :

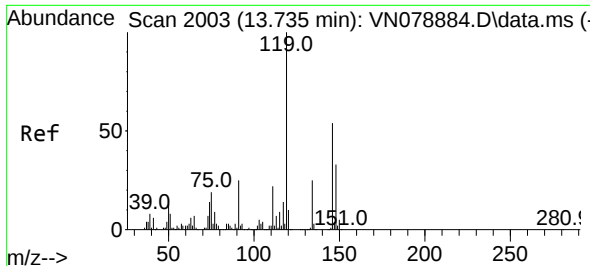
Tgt Ion: 75 Resp: 57902
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.269 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion: 91 Resp: 1399
Ion Ratio Lower Upper
91 100
126 20.4 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.355 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

Instrument :

MSVOA_N

ClientSampleId :

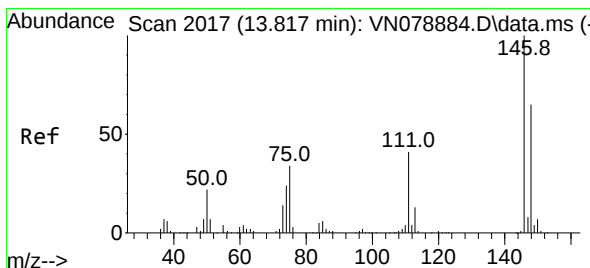
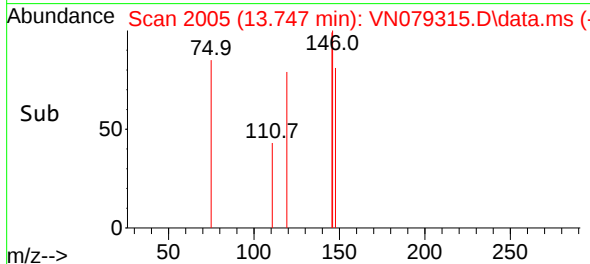
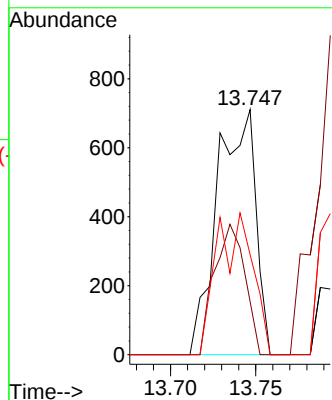
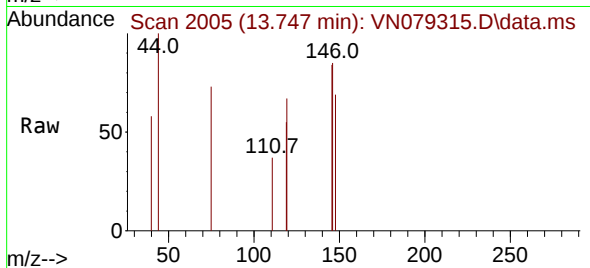
Tgt Ion:146 Resp: 1111

Ion Ratio Lower Upper

146 100

111 42.4 22.1 66.3

148 54.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.351 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. -0.071 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

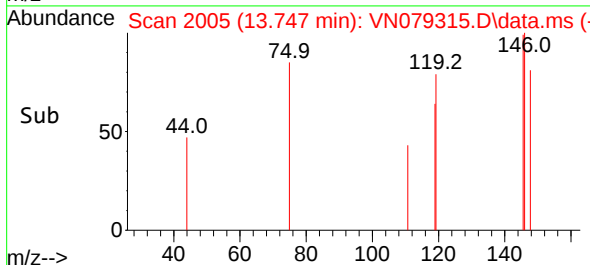
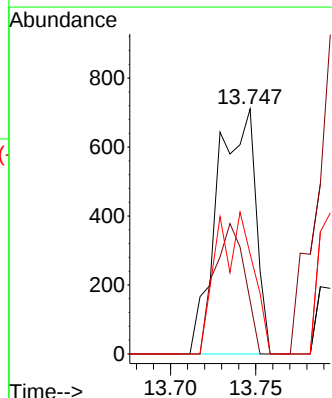
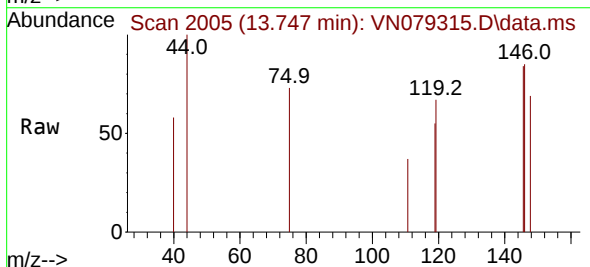
Tgt Ion:146 Resp: 1111

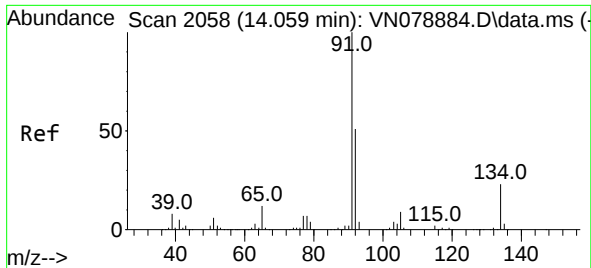
Ion Ratio Lower Upper

146 100

111 42.4 20.6 61.8

148 54.1 31.6 94.8





#89

n-Butylbenzene

Concen: 0.365 ug/l

RT: 14.064 min Scan# 2058

Delta R.T. 0.005 min

Lab File: VN079315.D

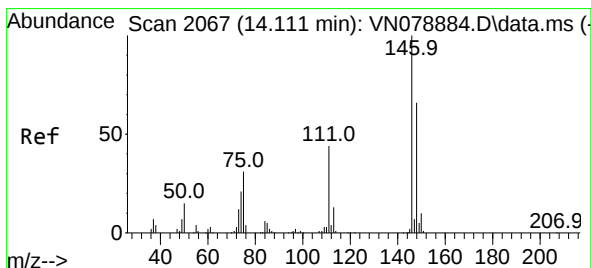
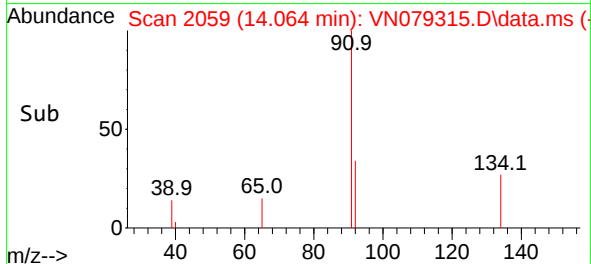
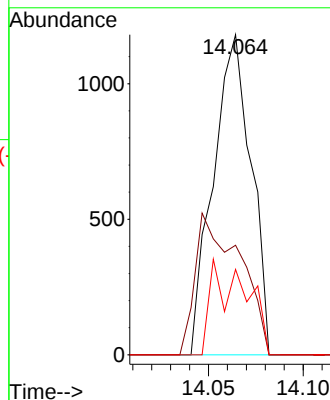
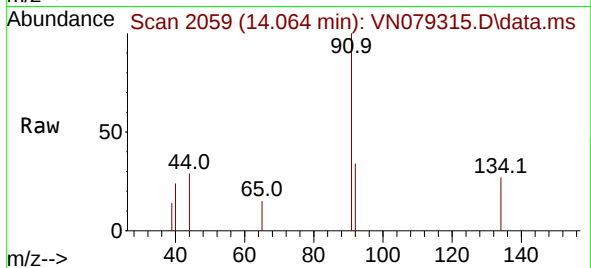
Acq: 21 Sep 2023 09:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 1639
Ion Ratio	Lower Upper
91	100
92	52.3 26.4 79.0
134	27.5 12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 0.326 ug/l

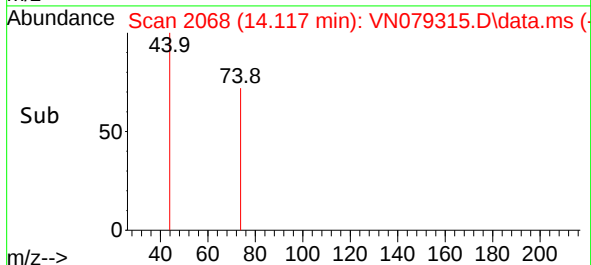
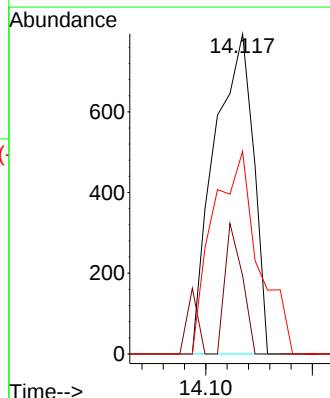
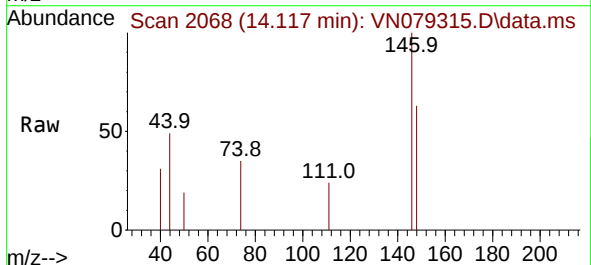
RT: 14.117 min Scan# 2068

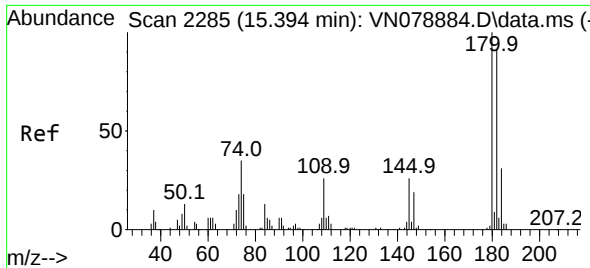
Delta R.T. 0.005 min

Lab File: VN079315.D

Acq: 21 Sep 2023 09:52

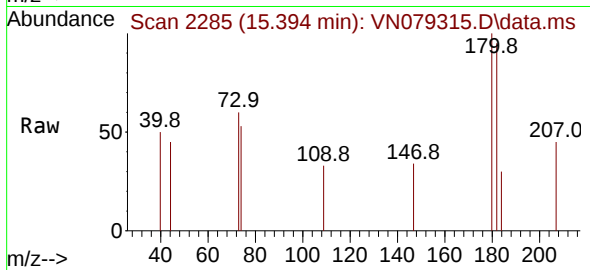
Tgt Ion: 146	Resp: 1008
Ion Ratio	Lower Upper
146	100
111	18.2 22.0 66.0#
148	74.1 31.8 95.3



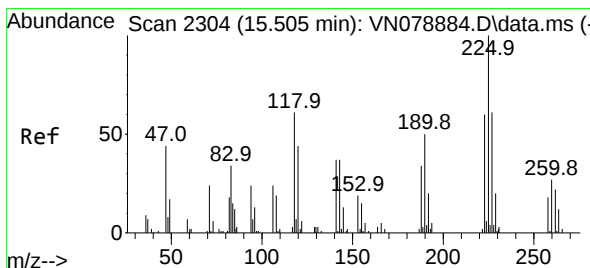
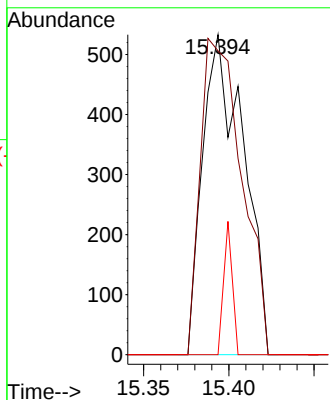
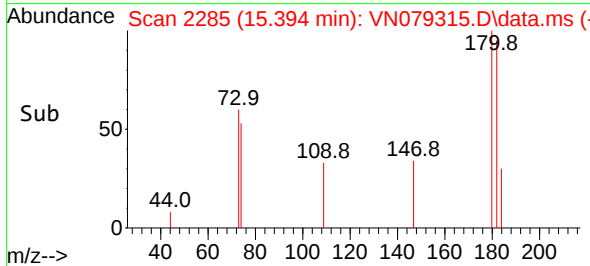


#93
 1,2,4-Trichlorobenzene
 Concen: 0.800 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079315.D
 Acq: 21 Sep 2023 09:52

Instrument :
 MSVOA_N
 ClientSampleId :

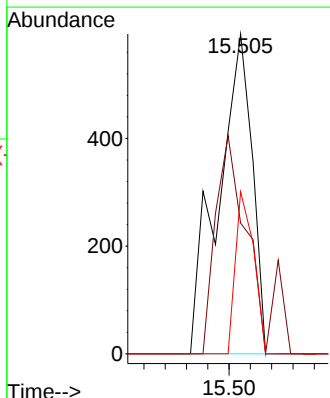
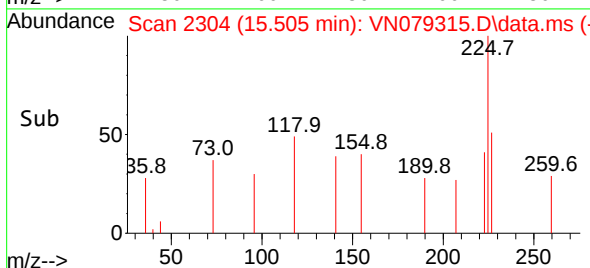
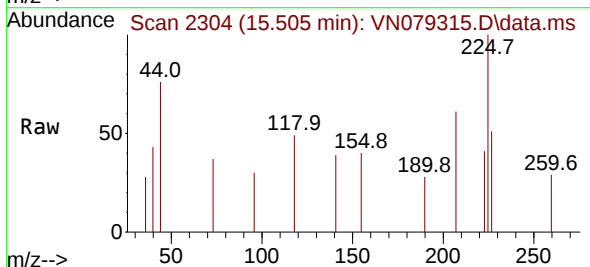


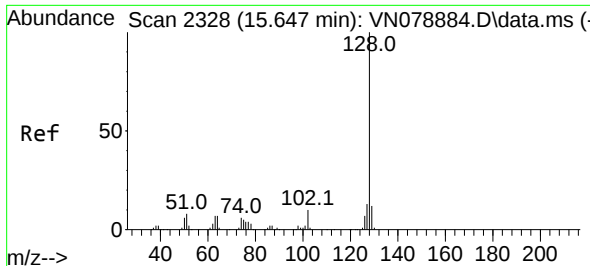
Tgt Ion:180 Resp: 888
 Ion Ratio Lower Upper
 180 100
 182 100.5 46.1 138.2
 145 8.8 16.6 49.8#



#94
 Hexachlorobutadiene
 Concen: 0.756 ug/l
 RT: 15.505 min Scan# 2304
 Delta R.T. -0.001 min
 Lab File: VN079315.D
 Acq: 21 Sep 2023 09:52

Tgt Ion:225 Resp: 660
 Ion Ratio Lower Upper
 225 100
 223 69.2 31.3 93.8
 227 27.1 31.9 95.9#

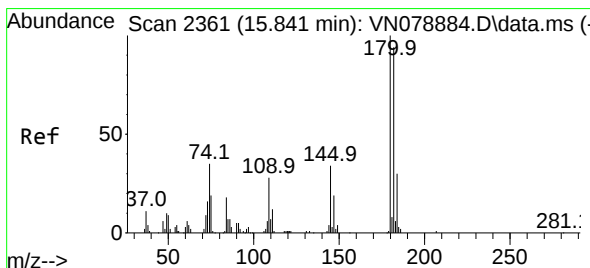
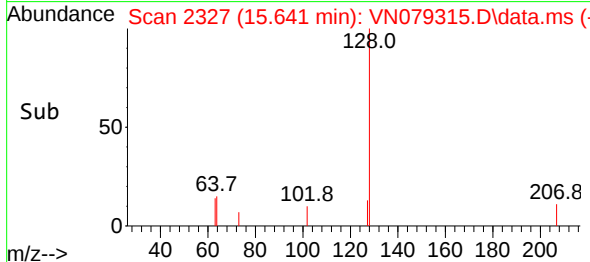
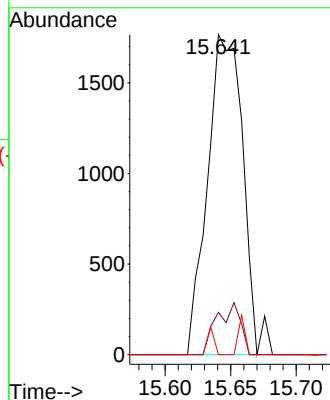
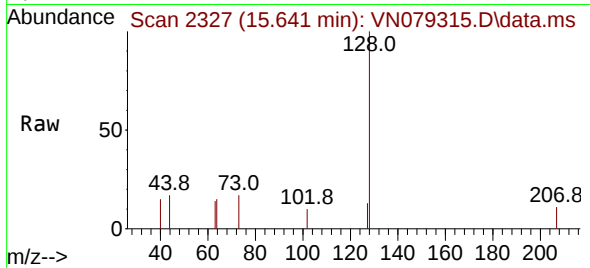




#95
Naphthalene
Concen: 1.009 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3325
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 1.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.230 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079315.D
Acq: 21 Sep 2023 09:52

Tgt Ion:180 Resp: 1610
Ion Ratio Lower Upper
180 100
182 86.7 46.2 138.6
145 24.8 17.5 52.6

