

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112923\
 Data File : VN080303.D
 Acq On : 29 Nov 2023 11:46
 Operator : JC\MD
 Sample : VN1129MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 30 04:42:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

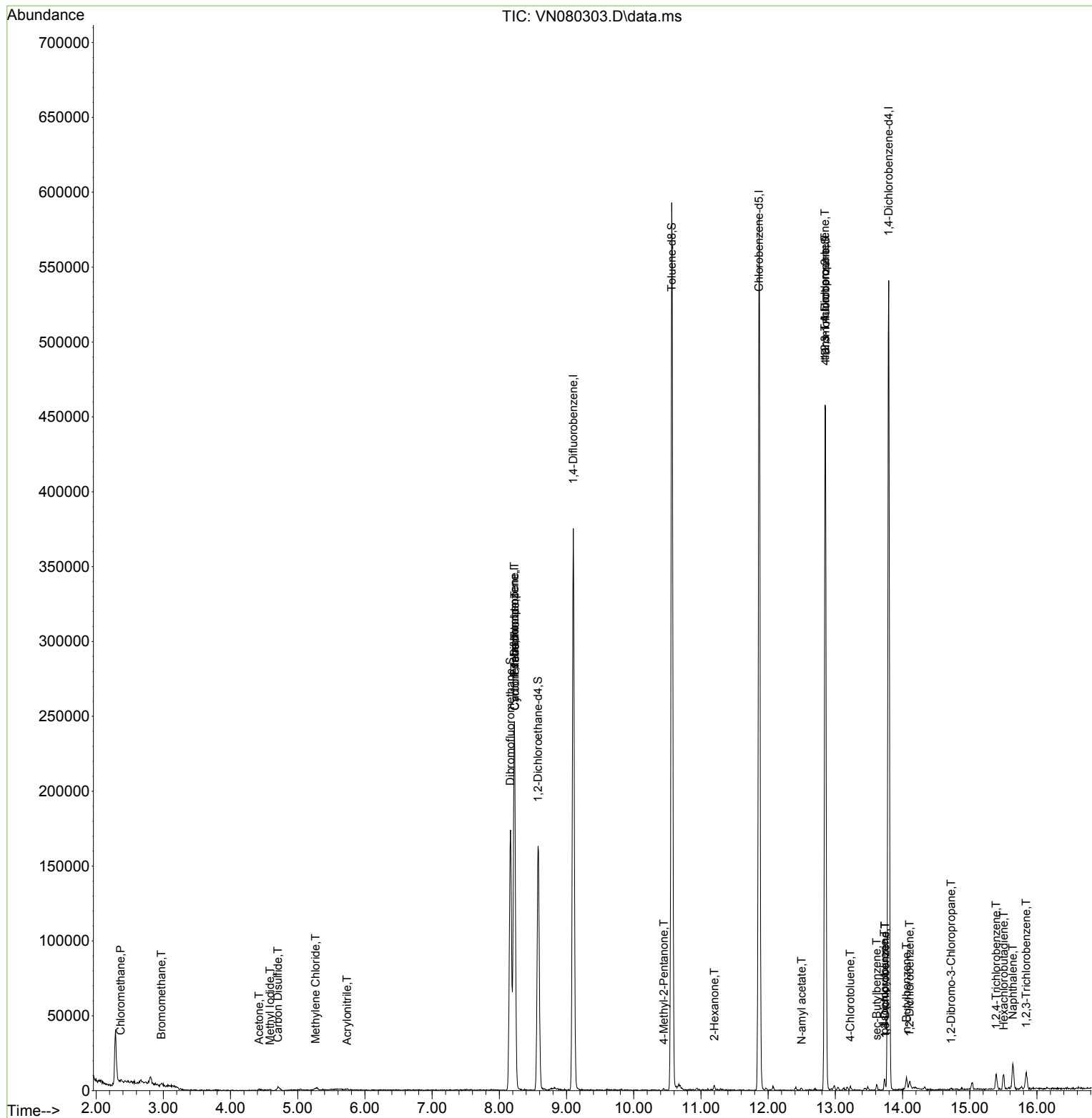
Internal Standards						
1) Pentafluorobenzene	8.224	168	167866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148804	53.686	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.380%	
35) Dibromofluoromethane	8.165	113	121629	53.563	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.120%	
50) Toluene-d8	10.565	98	411259	50.242	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	12.853	95	159112	51.462	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	912	0.485	ug/l	97
5) Bromomethane	2.971	94	1058	0.783	ug/l #	51
6) Chloroethane	3.065	64	712	Below Cal	#	43
10) Methyl Iodide	4.589	142	645	0.315	ug/l #	46
15) Acrylonitrile	5.736	53	1107	1.353	ug/l #	56
16) Acetone	4.424	43	662	0.711	ug/l	89
17) Carbon Disulfide	4.706	76	2979	0.562	ug/l #	75
20) Methylene Chloride	5.265	84	1067	0.547	ug/l #	58
31) Cyclohexane	8.230	56	3777	1.253	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	13557	4.124	ug/l #	49
38) Carbon Tetrachloride	8.230	117	18809	4.508	ug/l #	17
51) 4-Methyl-2-Pentanone	10.447	43	831	0.362	ug/l #	78
59) 2-Hexanone	11.200	43	1957	1.060	ug/l	86
74) N-amyl acetate	12.500	43	1113	0.315	ug/l #	64
76) 1,2,3-Trichloropropane	12.847	75	91244	25.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	91244	86.374	ug/l #	15
82) 4-Chlorotoluene	13.223	91	2124	0.252	ug/l	94
85) sec-Butylbenzene	13.618	105	3161	0.316	ug/l	97
86) p-Isopropyltoluene	13.729	119	2982	0.334	ug/l	86
87) 1,3-Dichlorobenzene	13.741	146	1978	0.385	ug/l	94
88) 1,4-Dichlorobenzene	13.741	146	1978	0.383	ug/l	95
89) n-Butylbenzene	14.059	91	5026	0.672	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	1927	0.392	ug/l	77
92) 1,2-Dibromo-3-Chloropr...	14.723	75	281	0.357	ug/l	73
93) 1,2,4-Trichlorobenzene	15.394	180	4267	1.491	ug/l	96
94) Hexachlorobutadiene	15.506	225	1957	1.188	ug/l	78
95) Naphthalene	15.641	128	16124	1.943	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	4485	1.672	ug/l	89

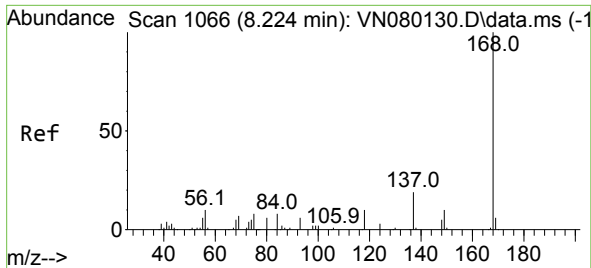
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN1129MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

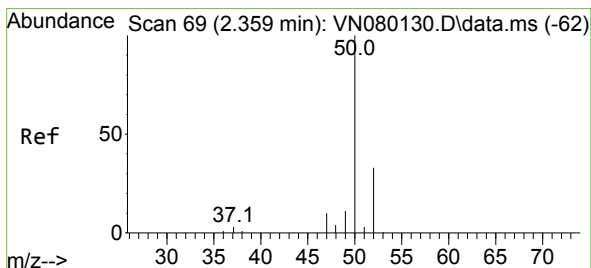
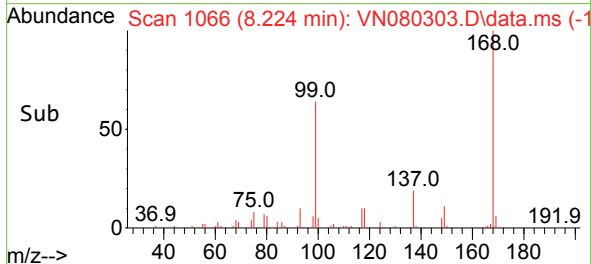
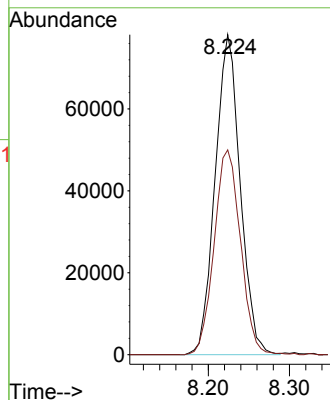
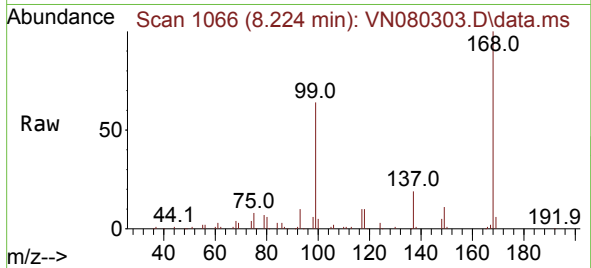




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

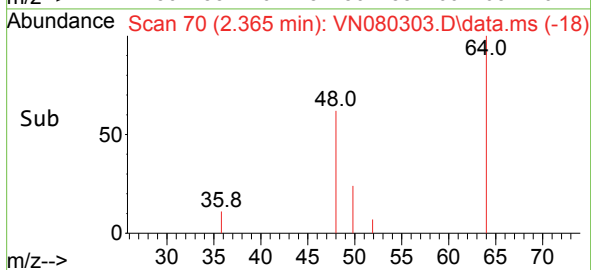
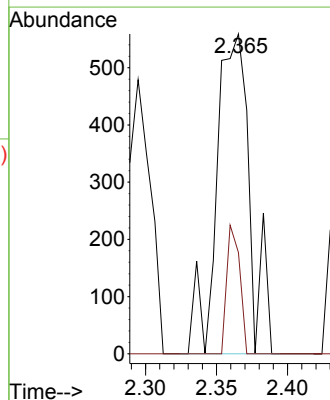
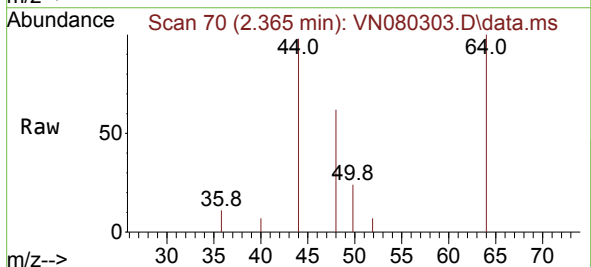
Instrument :
MSVOA_N
ClientSampleId :

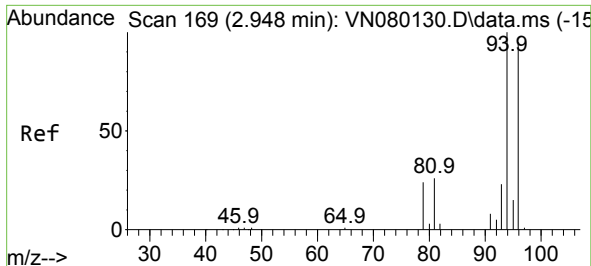
Tgt Ion:168 Resp: 167866
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: 0.485 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7

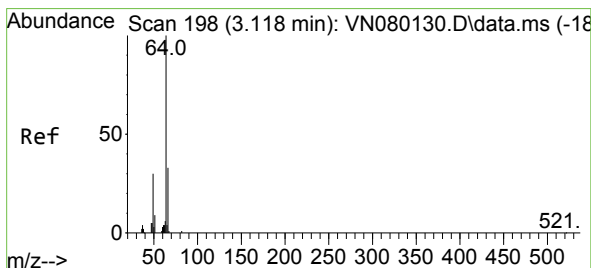
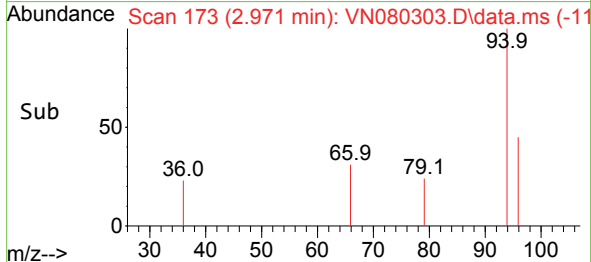
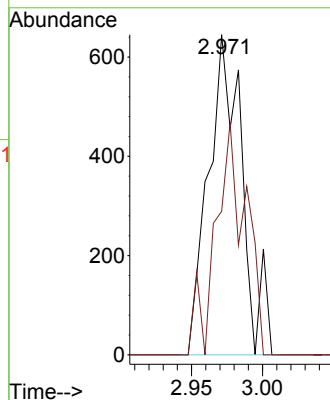
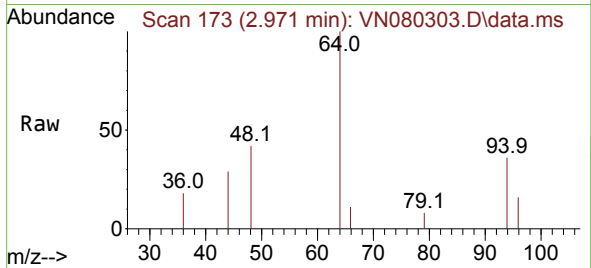




#5
Bromomethane
Concen: 0.783 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

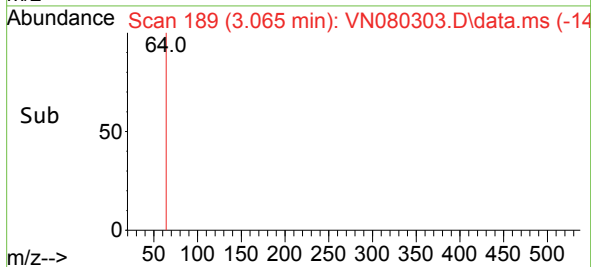
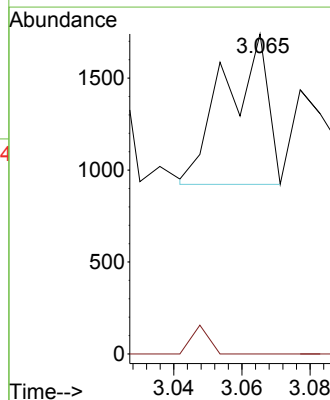
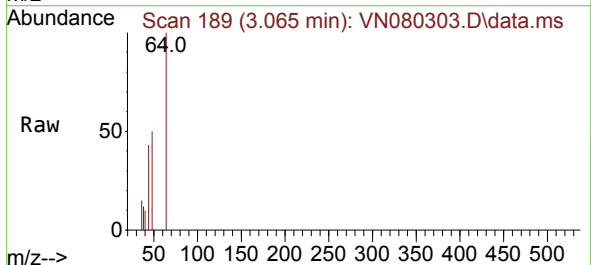
Instrument :
MSVOA_N
ClientSampleId :

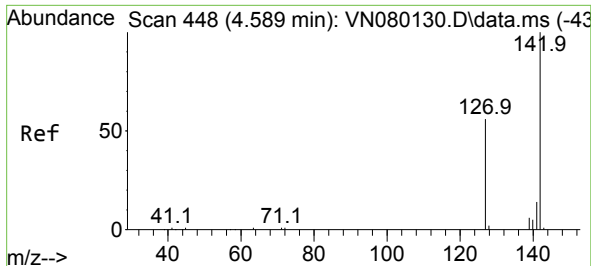
Tgt Ion: 94 Resp: 1058
Ion Ratio Lower Upper
94 100
96 44.8 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

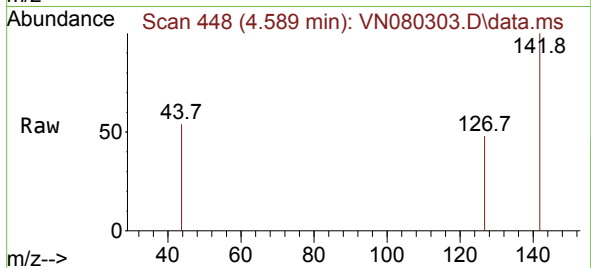
Tgt Ion: 64 Resp: 712
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



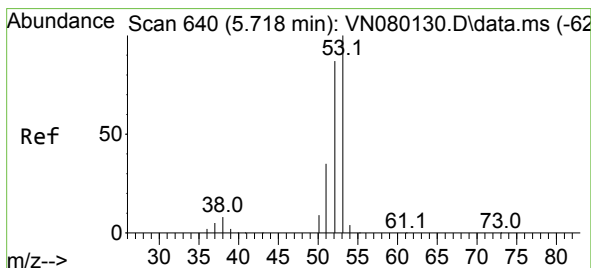
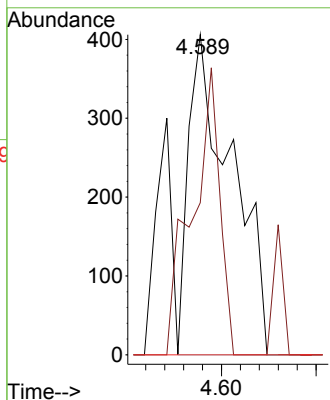
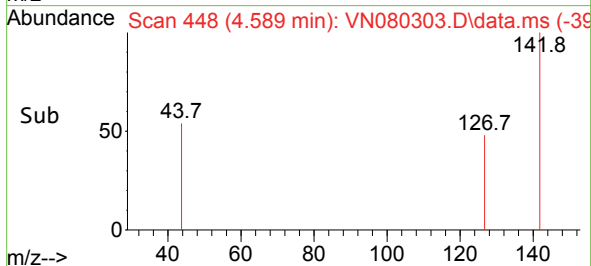


#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

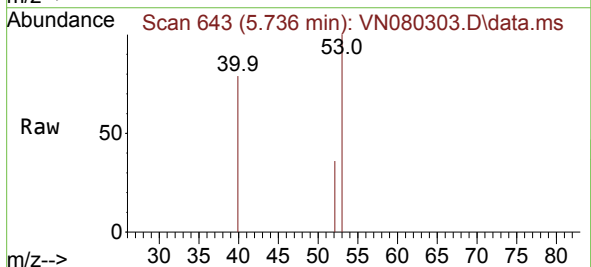
Instrument :
MSVOA_N
ClientSampleId :



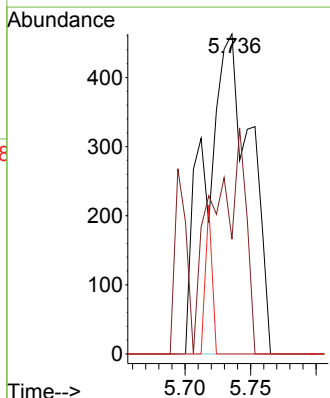
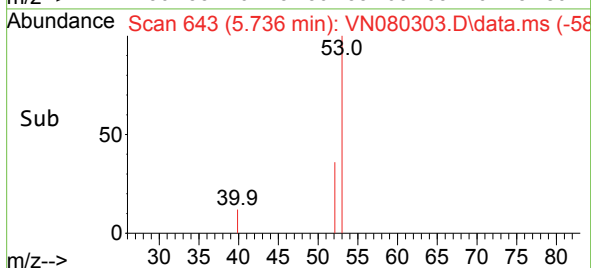
Tgt Ion:142 Resp: 645
Ion Ratio Lower Upper
142 100
127 6.9 37.6 56.4#
141 0.0 11.4 17.0#

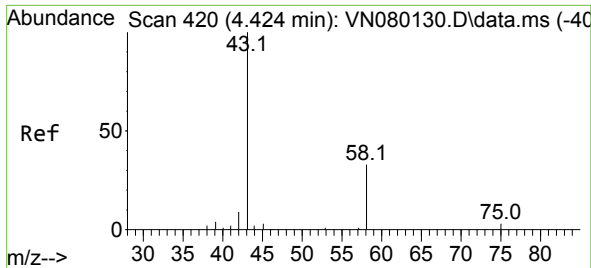


#15
Acrylonitrile
Concen: 1.353 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46



Tgt Ion: 53 Resp: 1107
Ion Ratio Lower Upper
53 100
52 49.6 65.3 97.9#
51 0.0 28.9 43.3#

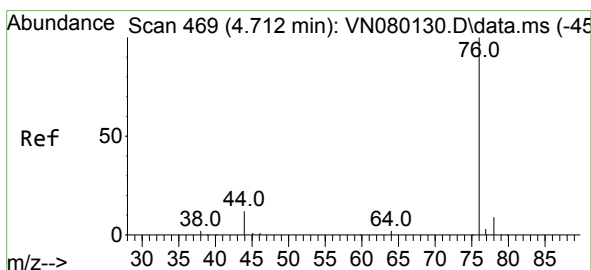
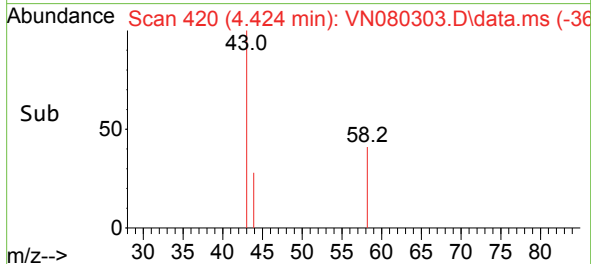
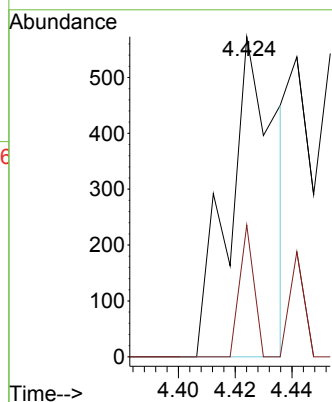
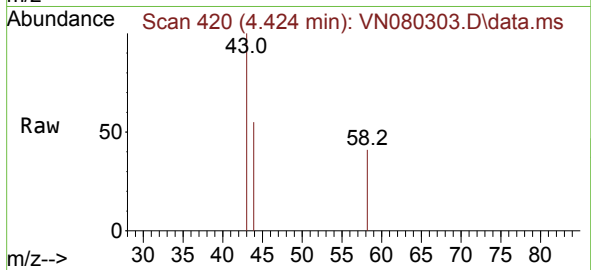




#16
Acetone
Concen: 0.711 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

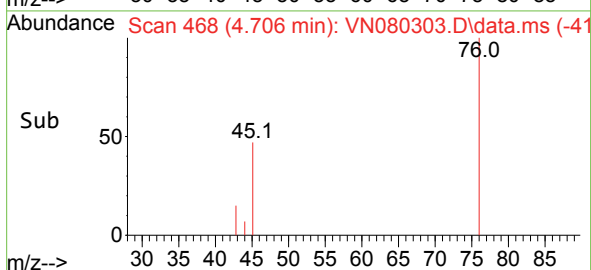
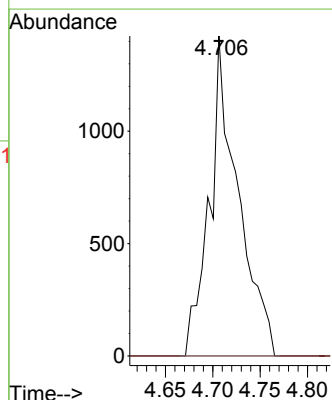
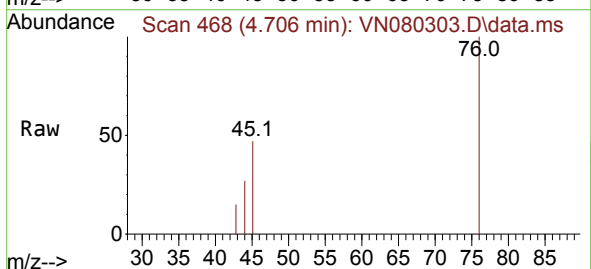
Instrument :
MSVOA_N
ClientSampleId :

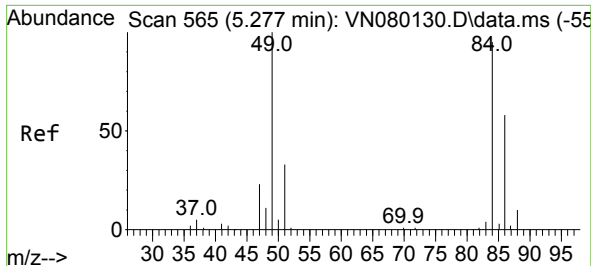
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 41.2 28.0 42.0



#17
Carbon Disulfide
Concen: 0.562 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

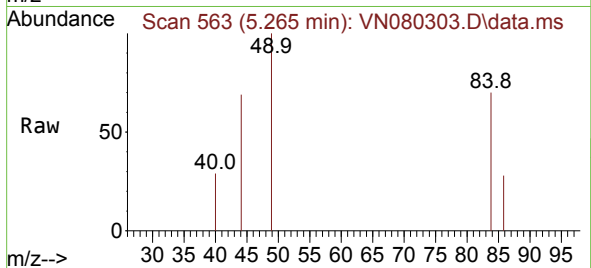
Tgt Ion: 76 Resp: 2979
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





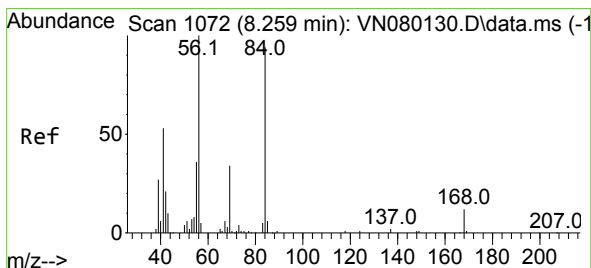
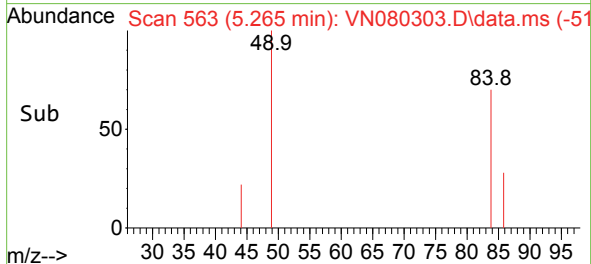
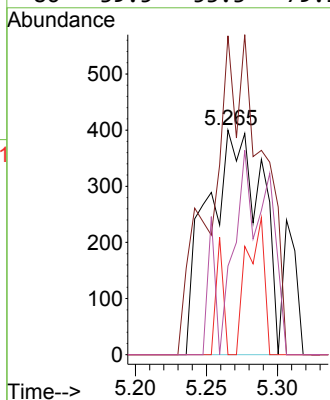
#20
Methylene Chloride
Concen: 0.547 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1067

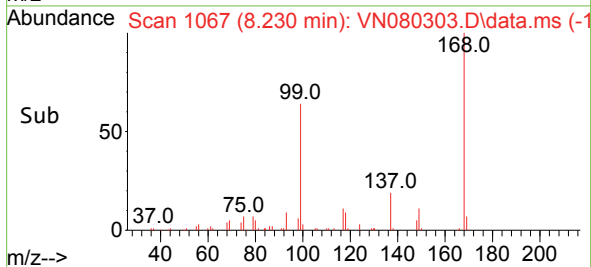
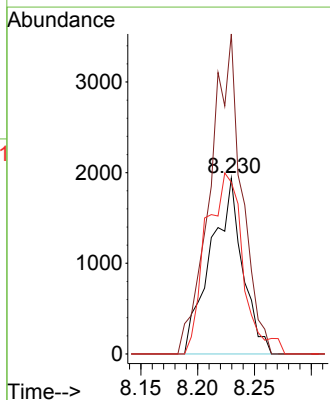
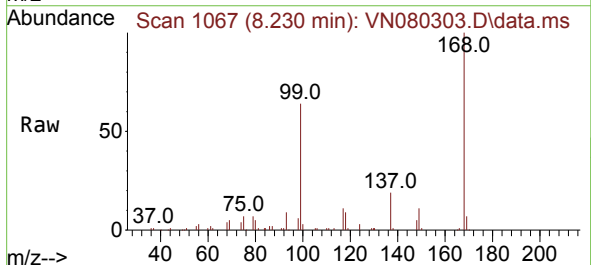
Ion	Ratio	Lower	Upper
84	100		
49	142.0	79.7	119.5#
51	0.0	25.2	37.8#
86	39.5	53.3	79.9#

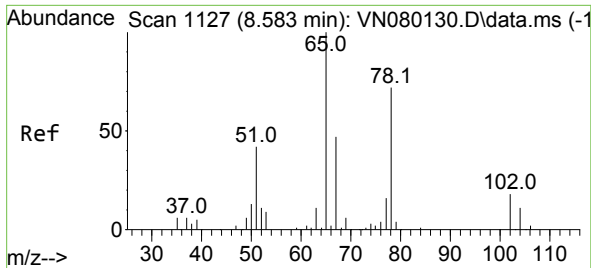


#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 56 Resp: 3777

Ion	Ratio	Lower	Upper
56	100		
69	182.1	26.8	40.2#
84	97.7	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.686 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

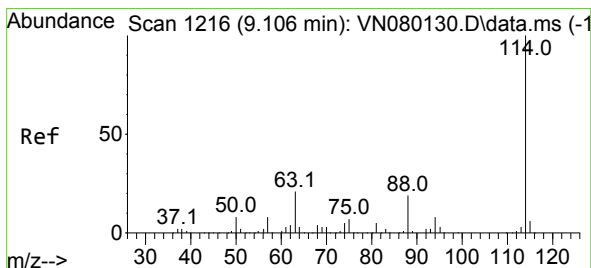
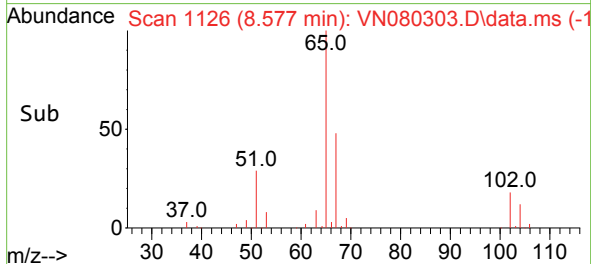
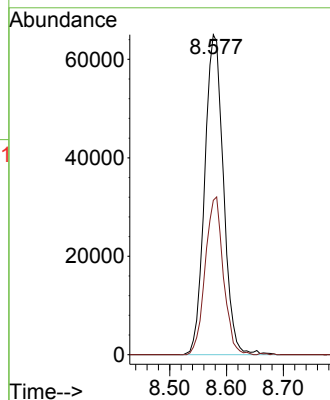
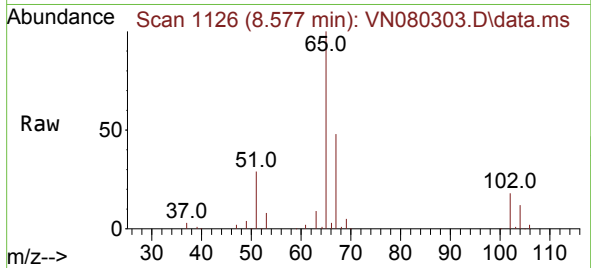
ClientSampleId :

Tgt Ion: 65 Resp: 148804

Ion Ratio Lower Upper

65 100

67 47.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

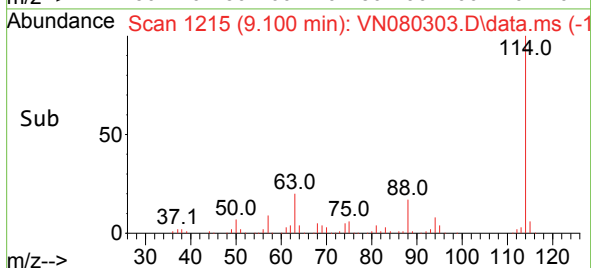
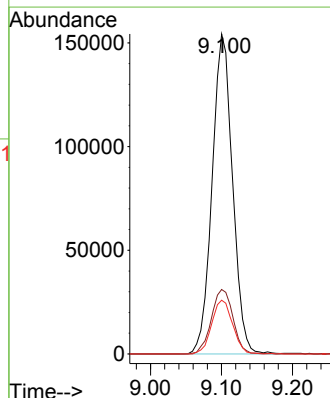
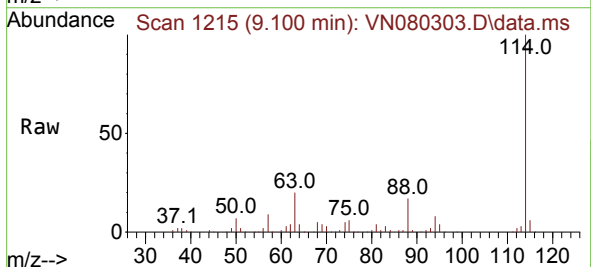
Tgt Ion: 114 Resp: 307746

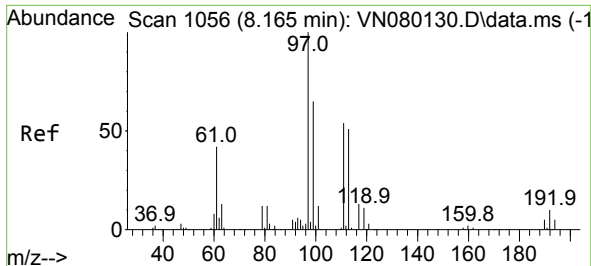
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

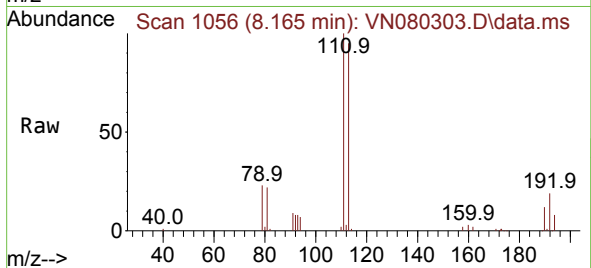
88 16.8 0.0 30.6



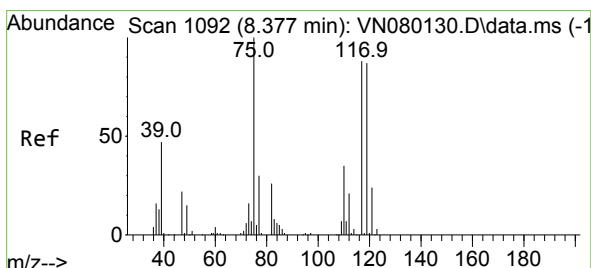
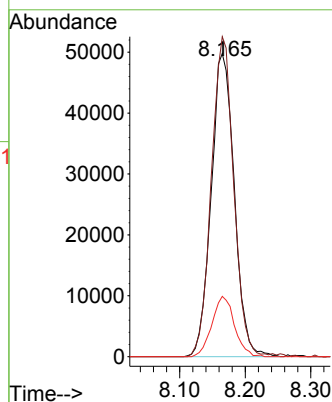
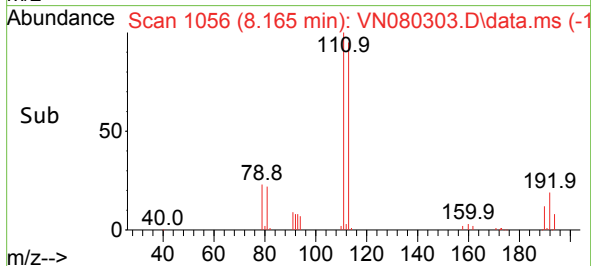


#35
Dibromofluoromethane
Concen: 53.563 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :

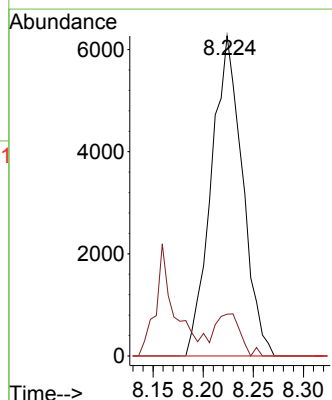
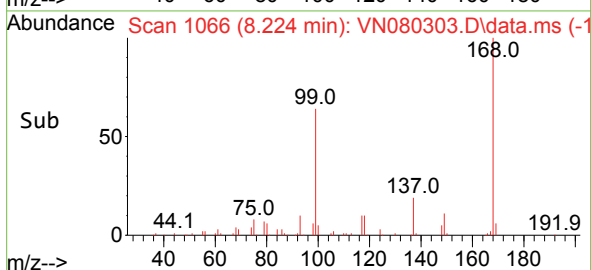
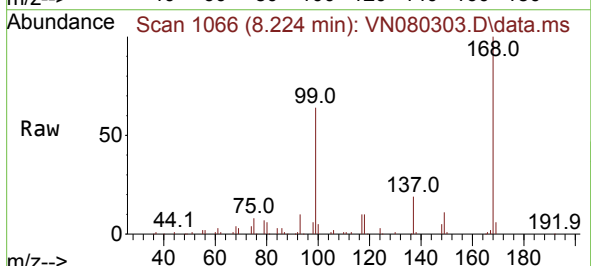


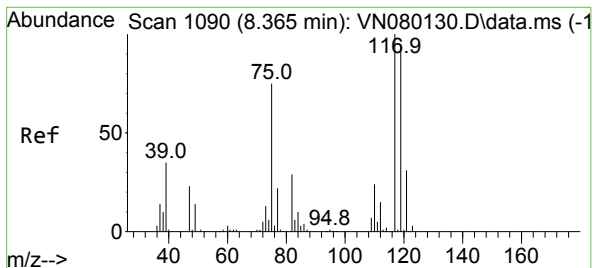
Tgt Ion:113 Resp: 121629
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.4 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.124 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 75 Resp: 13557
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.508 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

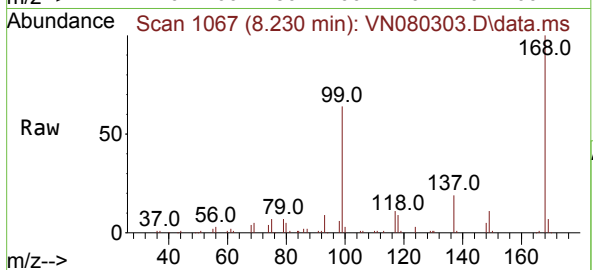
Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :



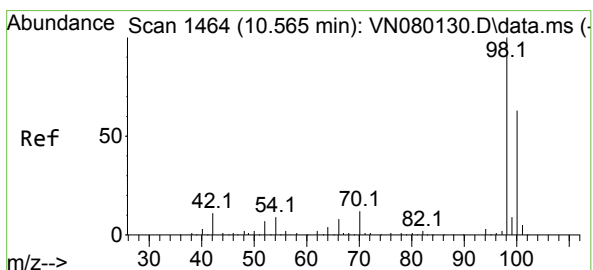
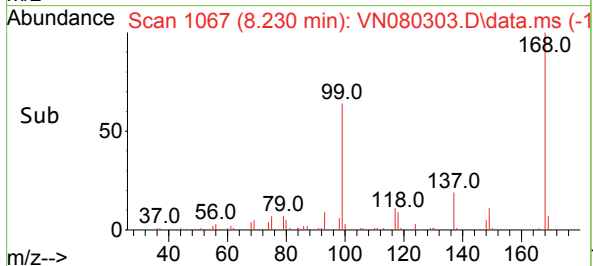
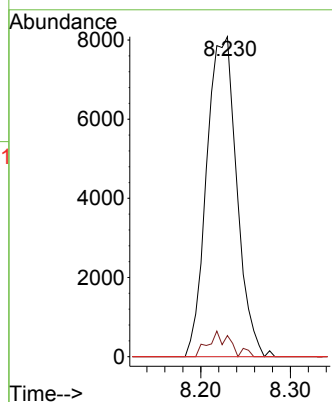
Tgt Ion:117 Resp: 18809

Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.242 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN080303.D

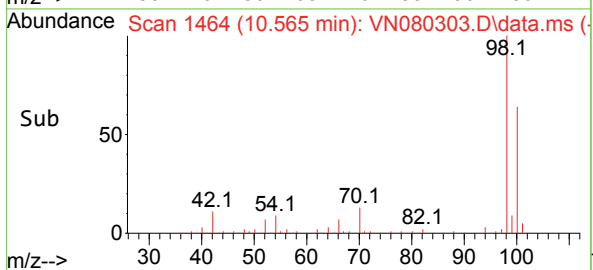
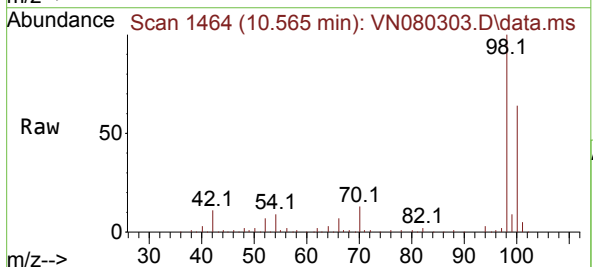
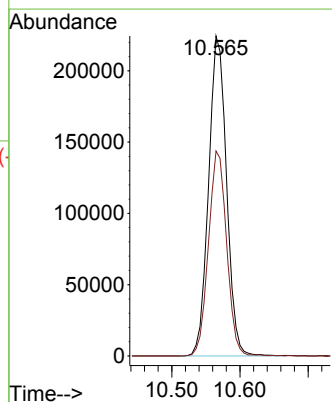
Acq: 29 Nov 2023 11:46

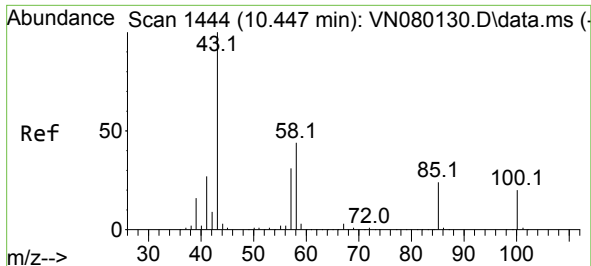
Tgt Ion: 98 Resp: 411259

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

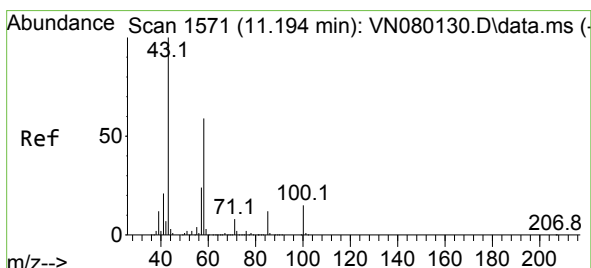
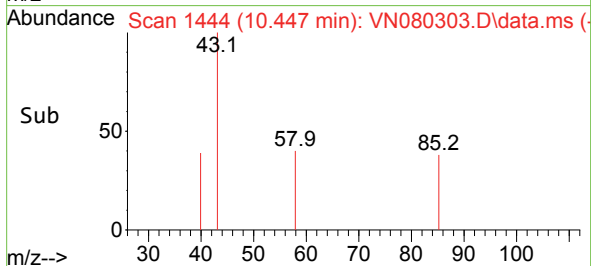
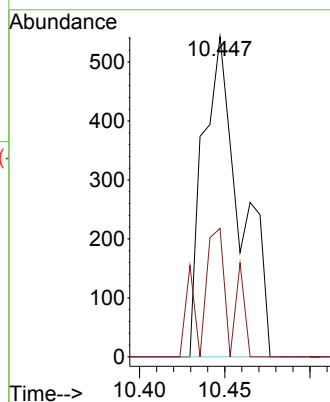
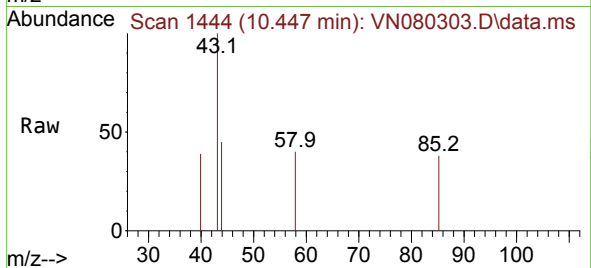




#51
4-Methyl-2-Pentanone
Concen: 0.362 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

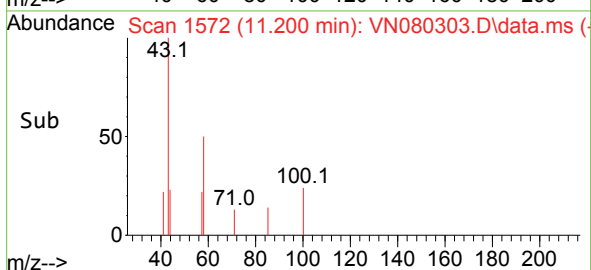
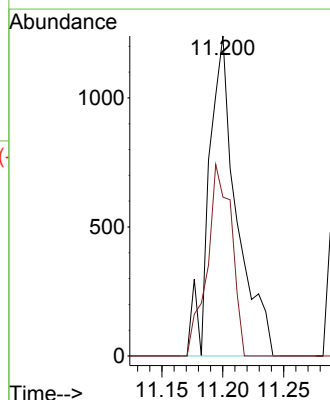
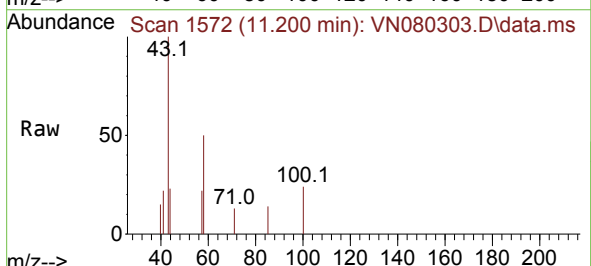
Instrument :
MSVOA_N
ClientSampleId :

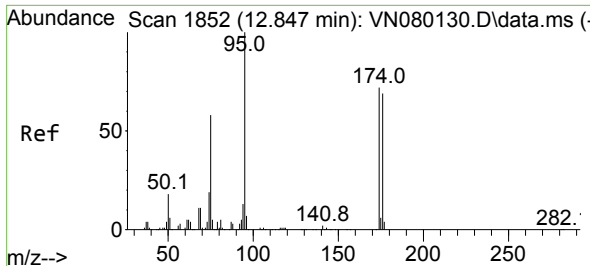
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 31.2 36.6 54.8#



#59
2-Hexanone
Concen: 1.060 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 52.7 31.7 95.1

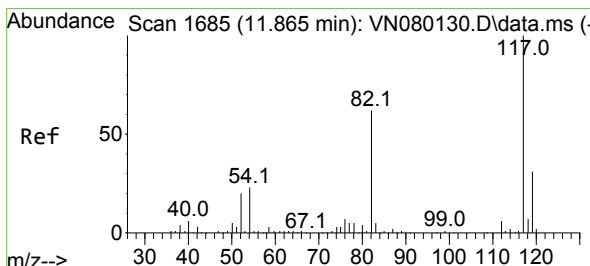
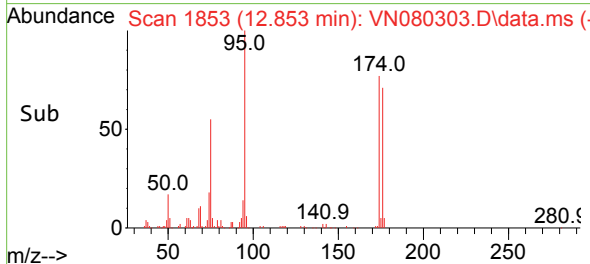
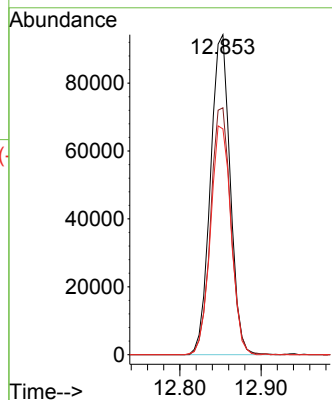
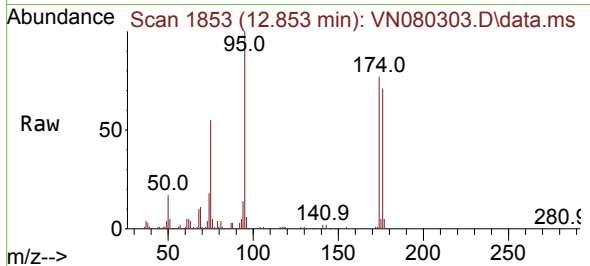




#62
4-Bromofluorobenzene
Concen: 51.462 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

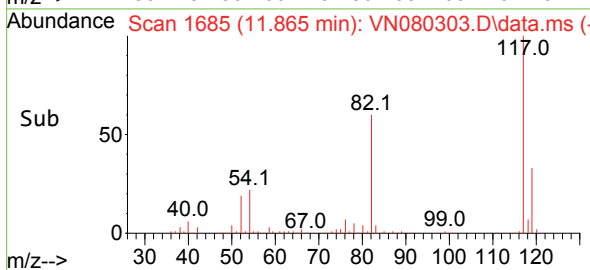
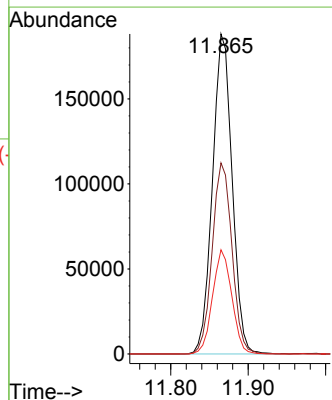
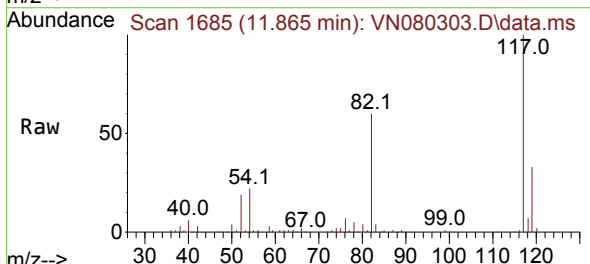
Instrument :
MSVOA_N
ClientSampleId :

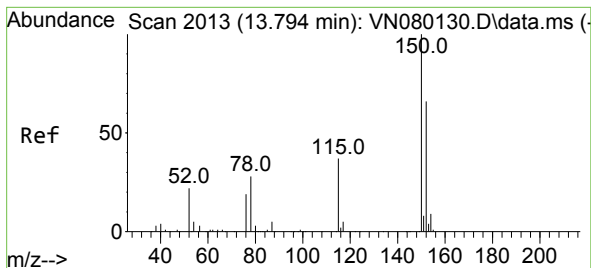
Tgt Ion: 95 Resp: 159112
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 74.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 117 Resp: 331473
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :

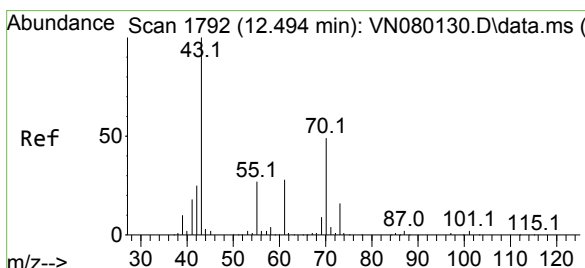
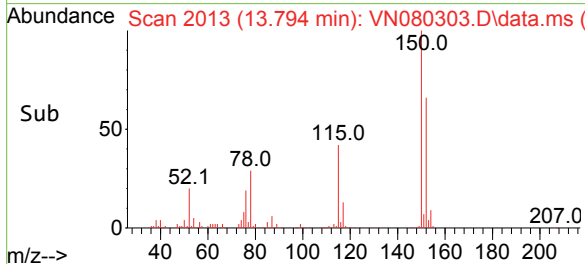
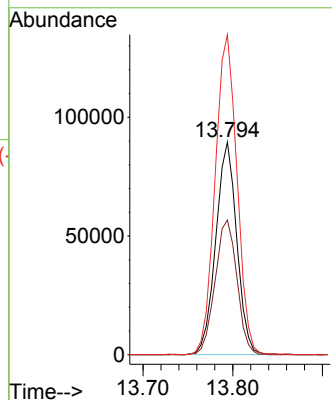
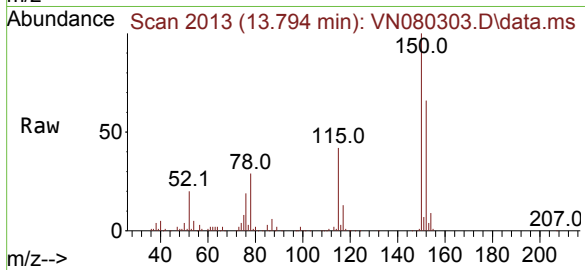
Tgt Ion:152 Resp: 145667

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 156.3 0.0 355.8



#74

N-ethyl acetate

Concen: 0.315 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Tgt Ion: 43 Resp: 1113

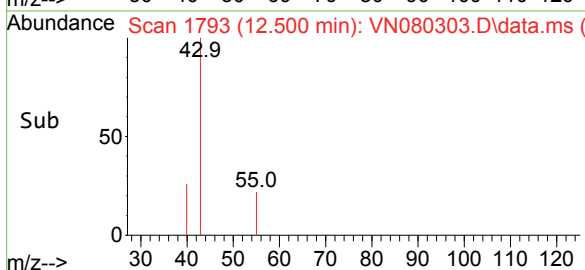
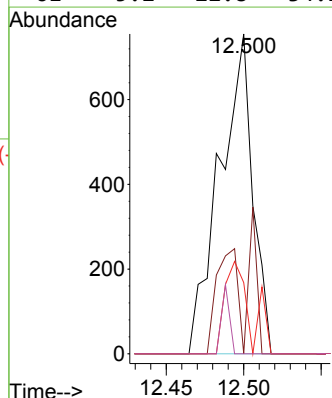
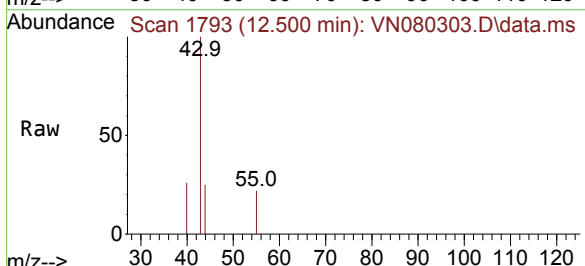
Ion Ratio Lower Upper

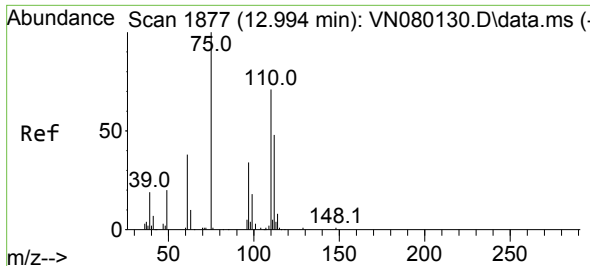
43 100

70 21.1 43.4 65.2#

55 22.5 21.4 32.0

61 5.2 22.8 34.2#

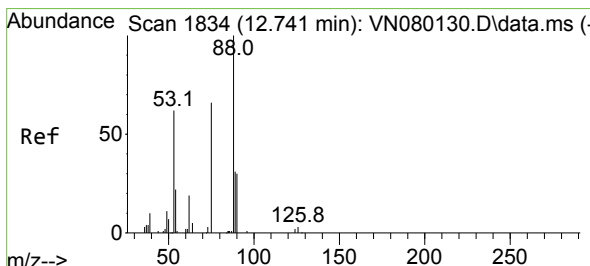
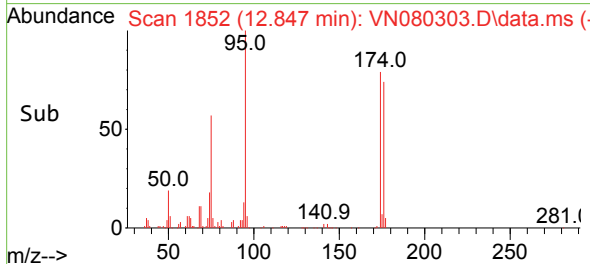
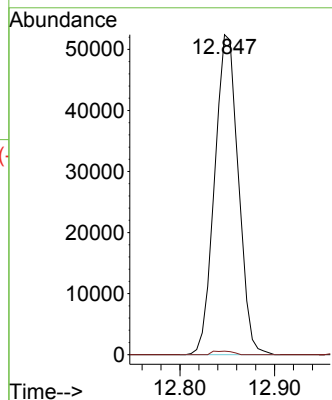
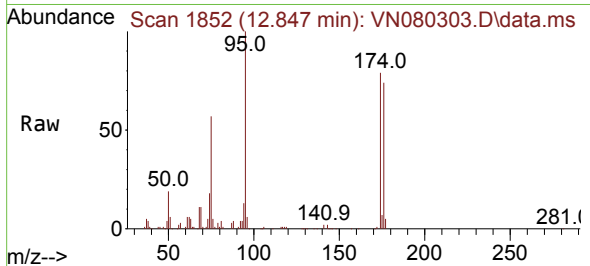




#76
1,2,3-Trichloropropane
Concen: 25.565 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

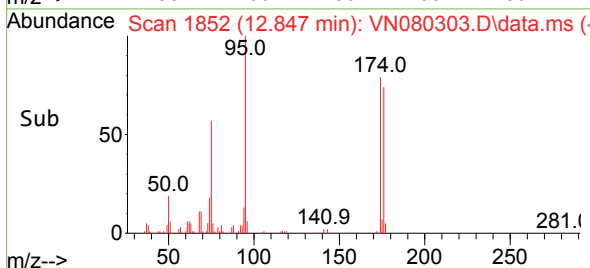
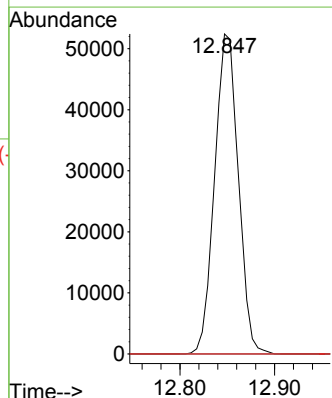
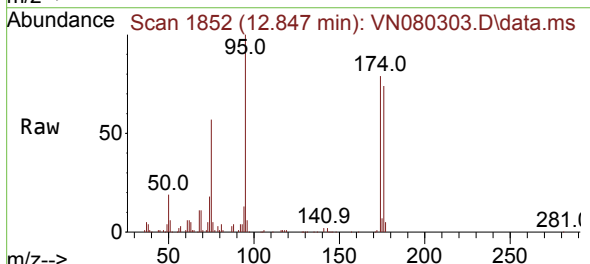
Instrument :
MSVOA_N
ClientSampleId :

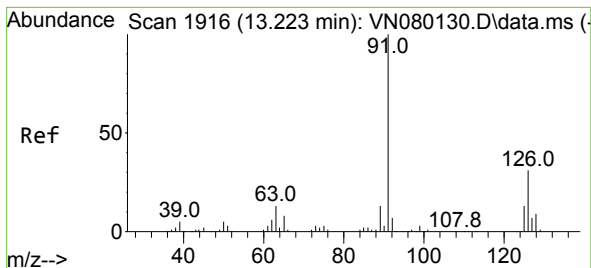
Tgt Ion: 75 Resp: 91244
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.374 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 75 Resp: 91244
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

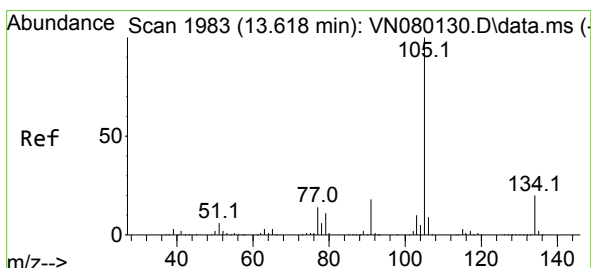
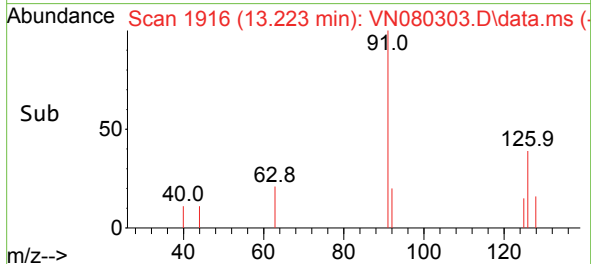
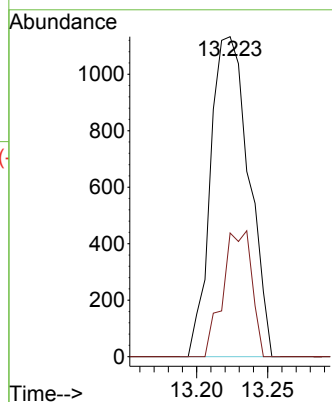
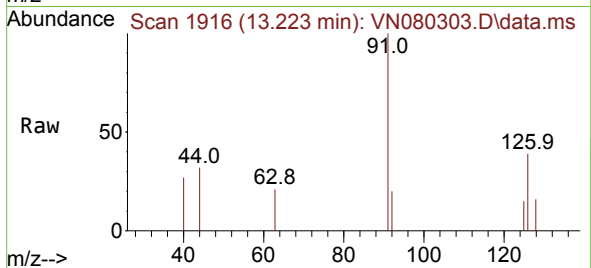




#82
4-Chlorotoluene
Concen: 0.252 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

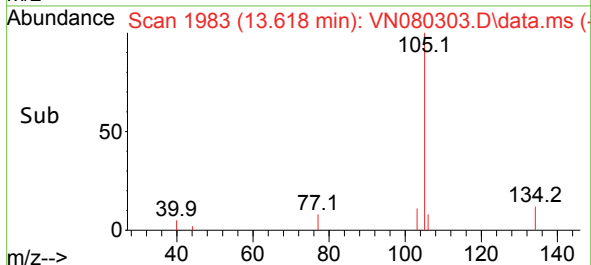
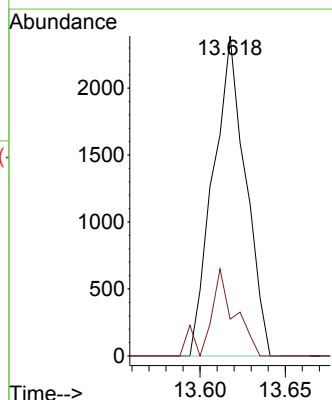
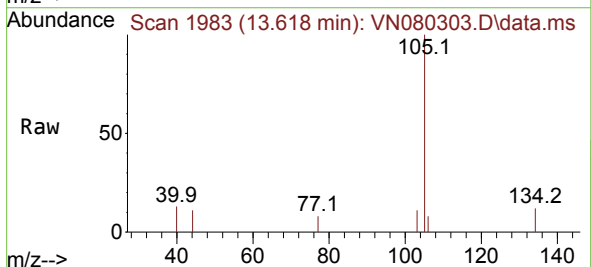
Instrument :
MSVOA_N
ClientSampleId :

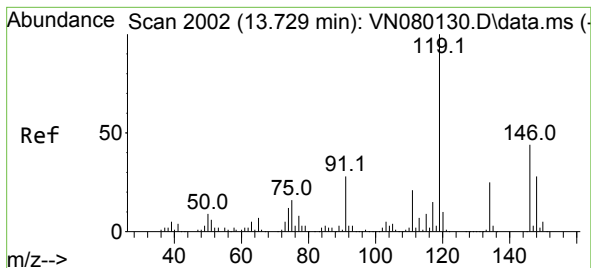
Tgt Ion: 91 Resp: 2124
Ion Ratio Lower Upper
91 100
126 29.7 16.7 50.0



#85
sec-Butylbenzene
Concen: 0.316 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 105 Resp: 3161
Ion Ratio Lower Upper
105 100
134 20.9 9.8 29.3





#86

p-Isopropyltoluene

Concen: 0.334 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :

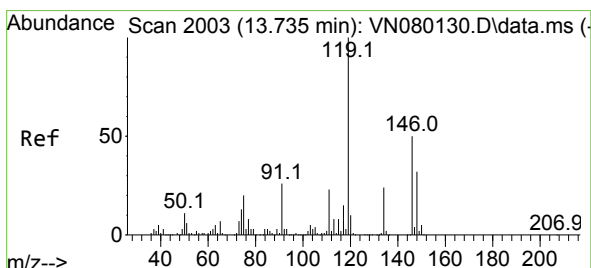
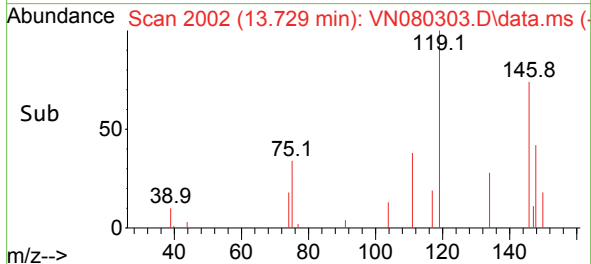
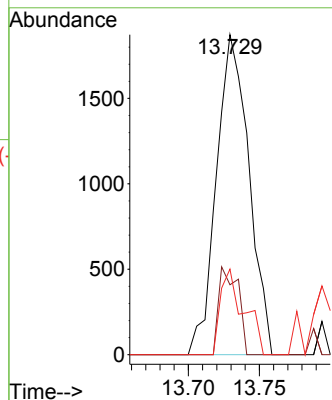
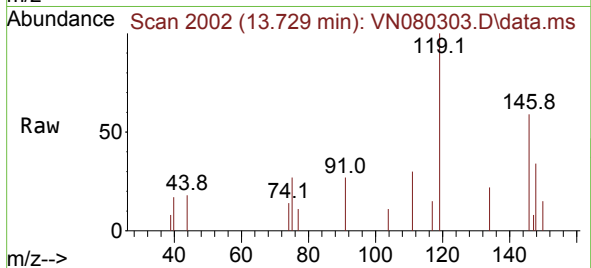
Tgt Ion:119 Resp: 2982

Ion Ratio Lower Upper

119 100

134 16.2 12.6 37.8

91 19.3 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 0.385 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

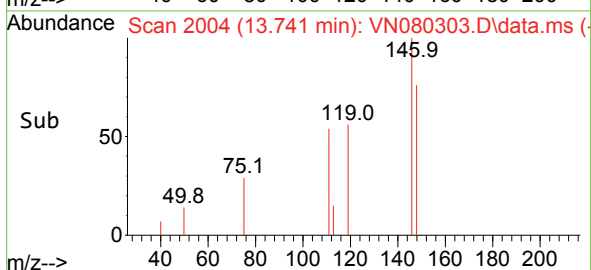
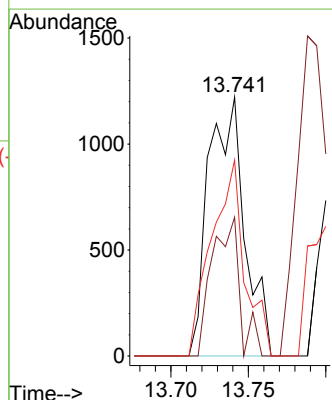
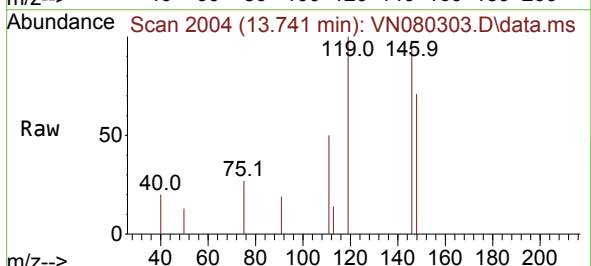
Tgt Ion:146 Resp: 1978

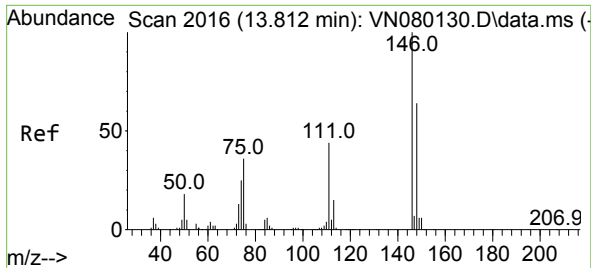
Ion Ratio Lower Upper

146 100

111 41.1 22.1 66.3

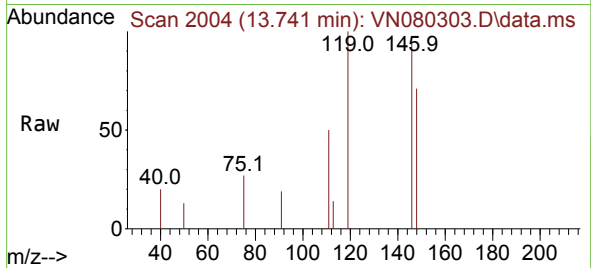
148 69.5 32.0 96.0



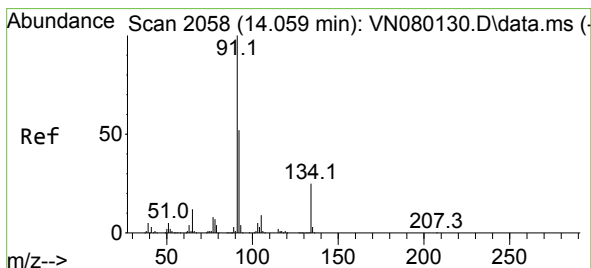
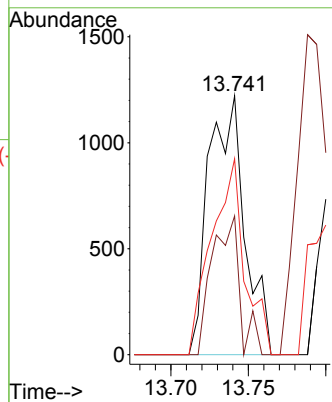
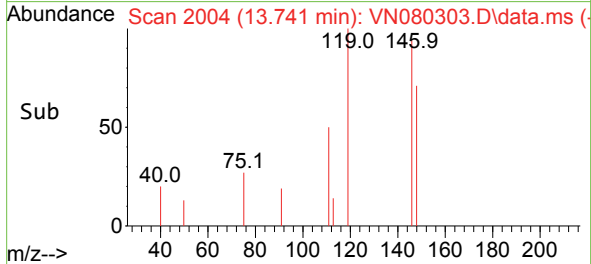


#88
1,4-Dichlorobenzene
Concen: 0.383 ug/l
RT: 13.741 min Scan# 2016
Delta R.T. -0.071 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :

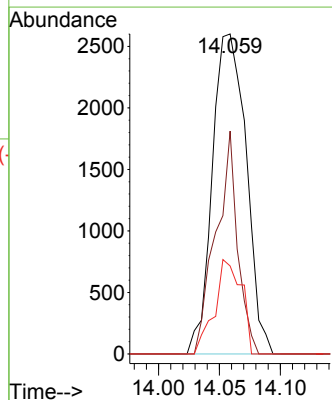
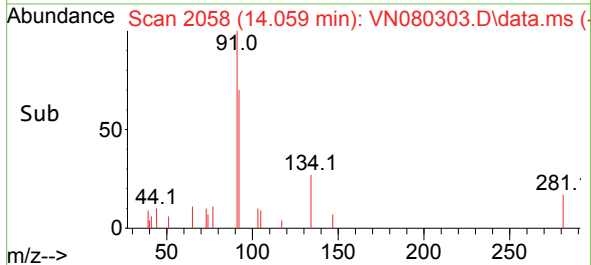
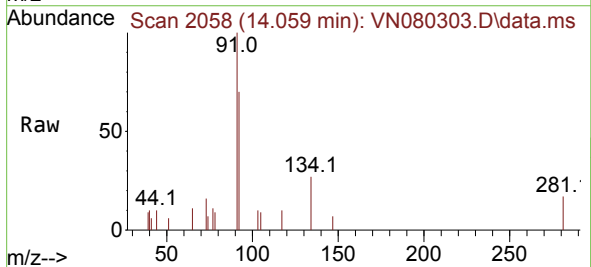


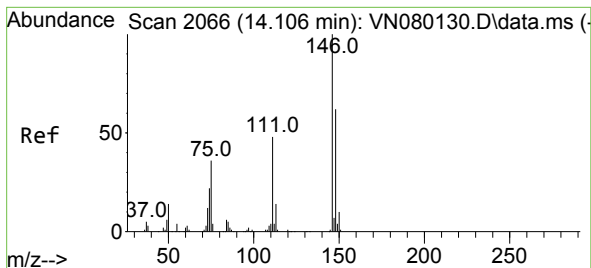
Tgt Ion:146 Resp: 1978
Ion Ratio Lower Upper
146 100
111 41.1 20.6 61.8
148 69.5 31.6 94.8



#89
n-Butylbenzene
Concen: 0.672 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion: 91 Resp: 5026
Ion Ratio Lower Upper
91 100
92 44.9 26.4 79.0
134 23.4 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.392 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN080303.D

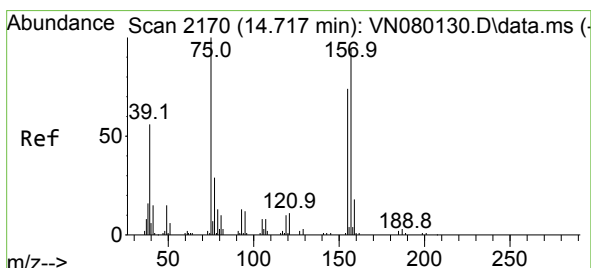
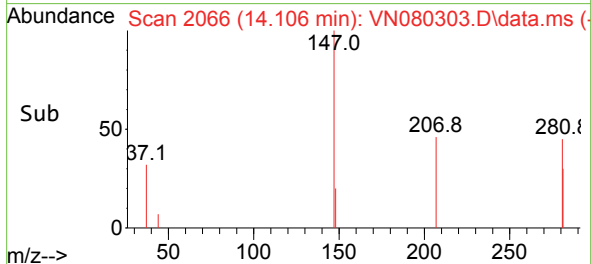
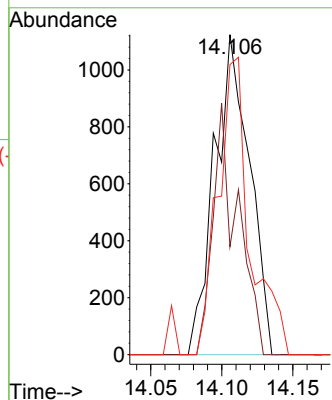
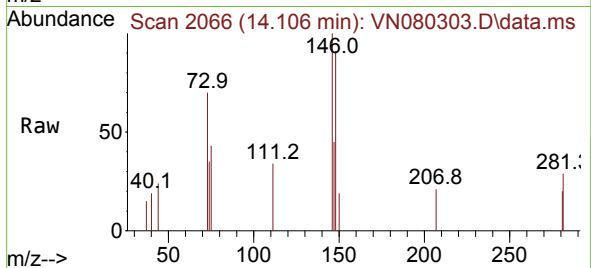
Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	146	Resp:	1927
Ion	Ratio	Lower	Upper
146	100		
111	55.4	22.0	66.0
148	84.0	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.357 ug/l

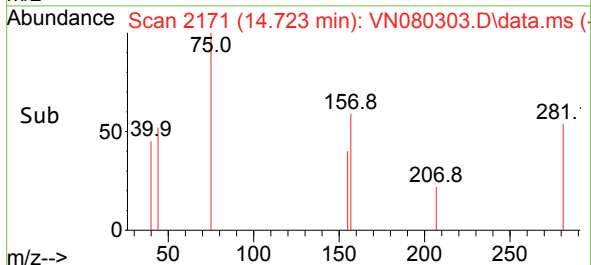
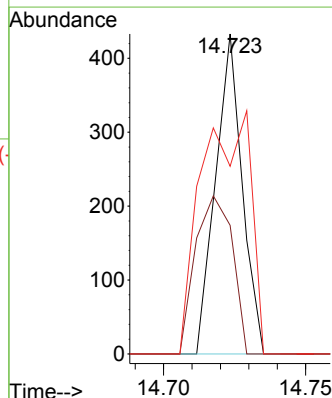
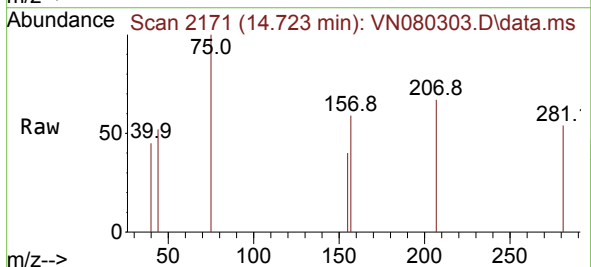
RT: 14.723 min Scan# 2171

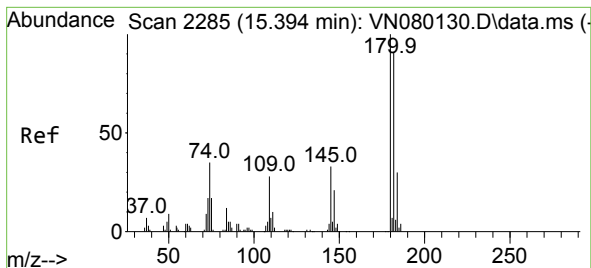
Delta R.T. 0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Tgt Ion:	75	Resp:	281
Ion	Ratio	Lower	Upper
75	100		
155	68.3	39.1	117.2
157	140.2	50.3	150.9





#93

1,2,4-Trichlorobenzene

Concen: 1.491 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

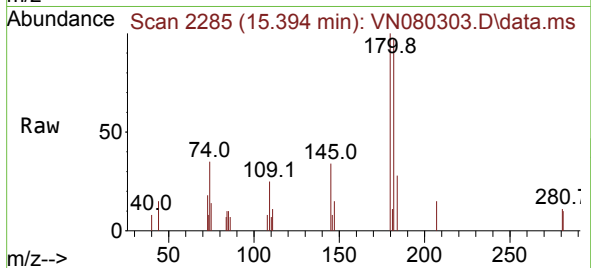
Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

Instrument :

MSVOA_N

ClientSampleId :



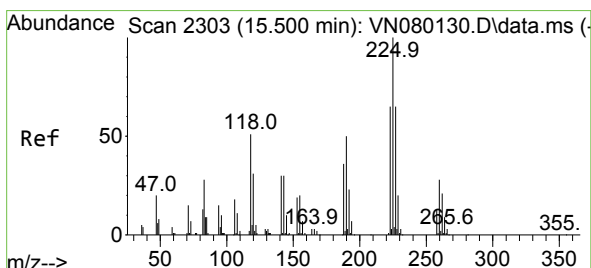
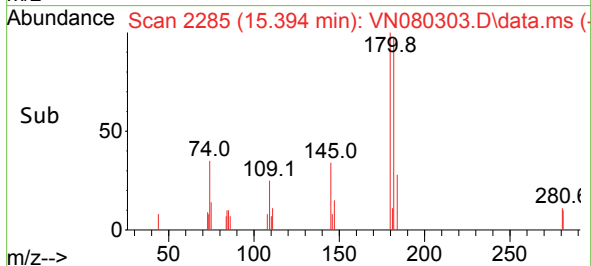
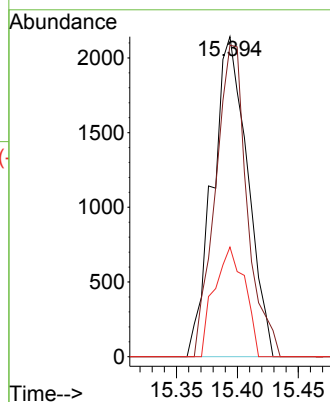
Tgt Ion:180 Resp: 4267

Ion Ratio Lower Upper

180 100

182 88.8 46.1 138.2

145 29.9 16.6 49.8



#94

Hexachlorobutadiene

Concen: 1.188 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN080303.D

Acq: 29 Nov 2023 11:46

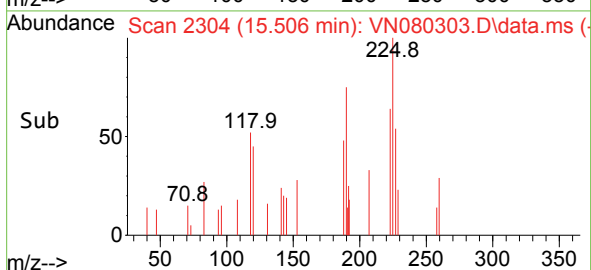
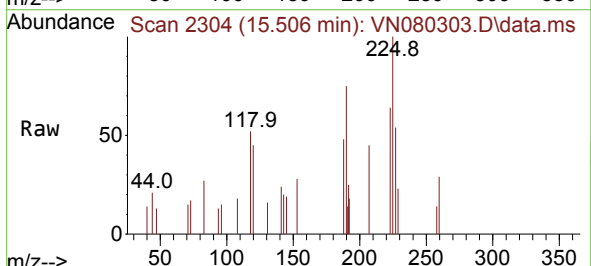
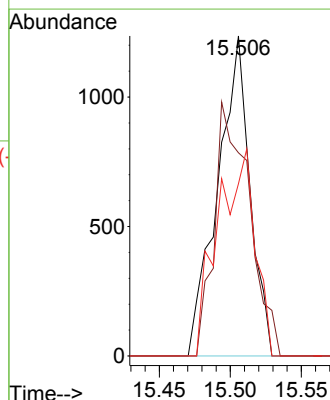
Tgt Ion:225 Resp: 1957

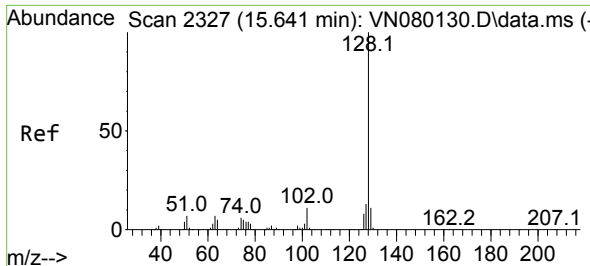
Ion Ratio Lower Upper

225 100

223 85.4 31.3 93.8

227 74.5 31.9 95.9

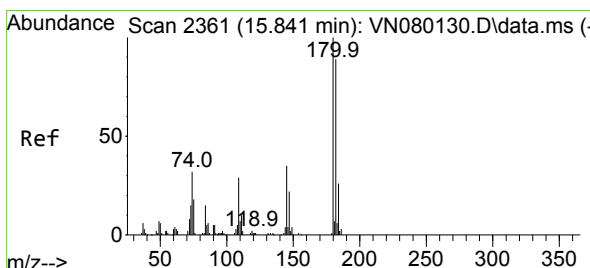
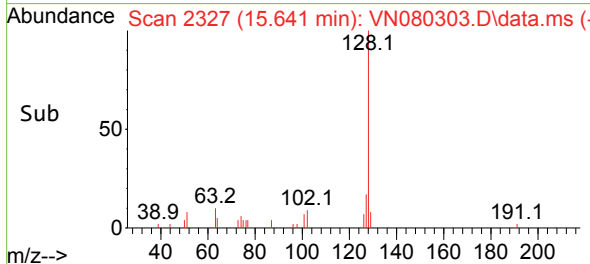
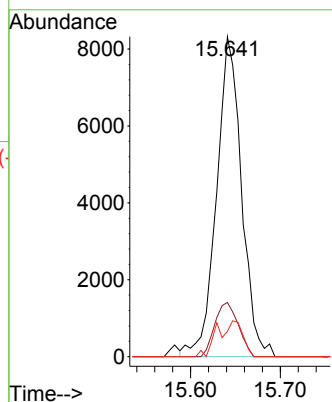
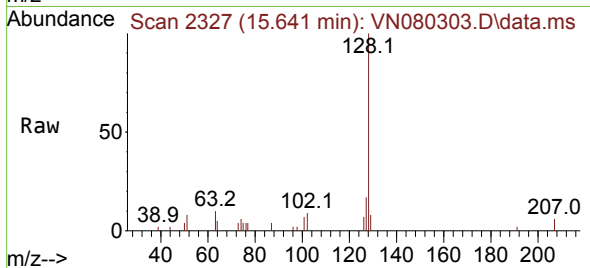




#95
Naphthalene
Concen: 1.943 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 16124
Ion Ratio Lower Upper
128 100
127 15.8 10.0 15.0#
129 7.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.672 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080303.D
Acq: 29 Nov 2023 11:46

Tgt Ion:180 Resp: 4485
Ion Ratio Lower Upper
180 100
182 103.5 46.2 138.6
145 40.0 17.5 52.6

