

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030822\
 Data File : VN071196.D
 Acq On : 08 Mar 2022 17:41
 Operator : JC\MD
 Sample : N1823-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 09 04:04:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

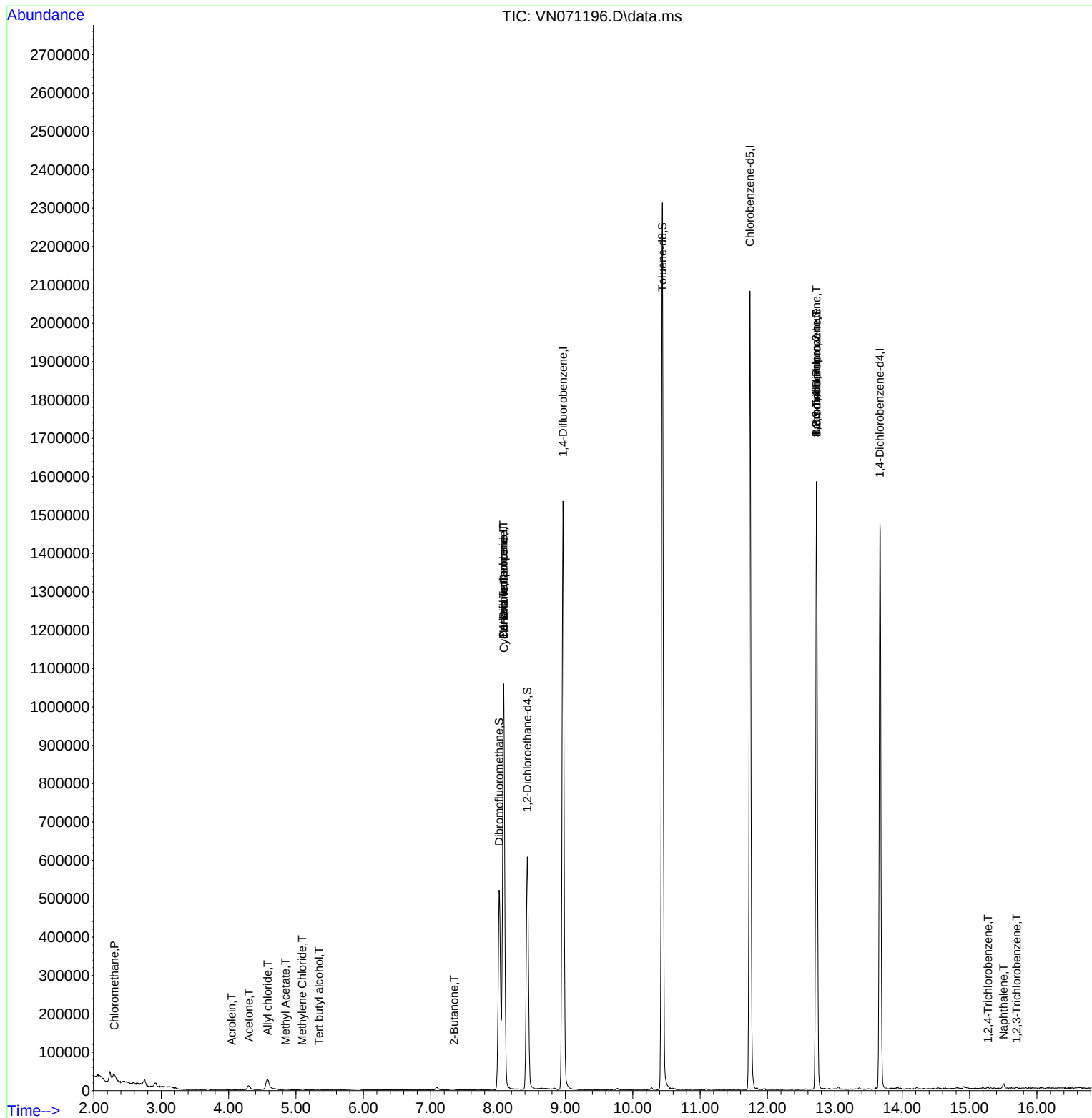
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	828186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1330635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1195259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	419643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	511461	45.060	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	90.120%	
35) Dibromofluoromethane	8.016	113	383953	45.726	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	91.460%	
50) Toluene-d8	10.439	98	1614917	47.767	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	95.540%	
62) 4-Bromofluorobenzene	12.727	95	560649	48.973	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	97.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2889	0.203	ug/l	92
5) Bromomethane	2.858	94	932	Below Cal	#	60
11) Tert butyl alcohol	5.340	59	944	0.423	ug/l #	71
13) Acrolein	4.046	56	746	0.316	ug/l	92
14) Allyl chloride	4.581	41	5093	0.282	ug/l #	75
16) Acetone	4.299	43	16740	3.031	ug/l	93
18) Methyl Acetate	4.846	43	969	0.535	ug/l #	67
20) Methylene Chloride	5.093	84	1275	0.507	ug/l #	65
25) 2-Butanone	7.345	43	2487	0.280	ug/l #	48
31) Cyclohexane	8.087	56	17126	0.945	ug/l #	10
36) 1,1-Dichloropropene	8.081	75	63831	4.745	ug/l #	49
38) Carbon Tetrachloride	8.081	117	81922	6.295	ug/l #	17
71) Bromoform	12.727	173	2900	0.406	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	458	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	285553	26.764	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	285553	73.558	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.274	180	785	3.097	ug/l #	67
95) Naphthalene	15.504	128	10879	5.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	852	2.854	ug/l	85

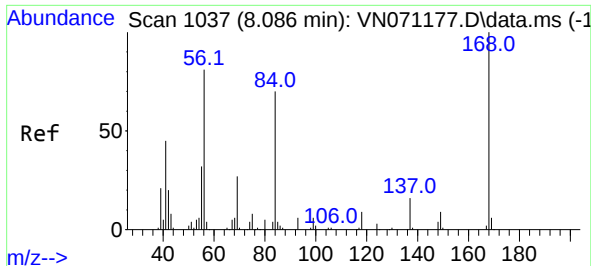
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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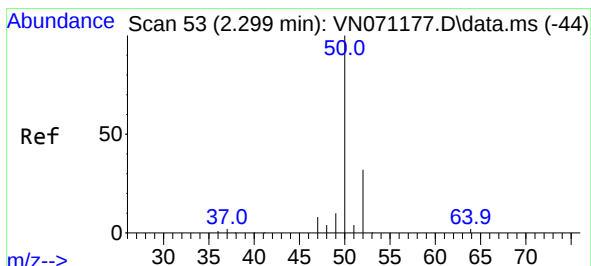
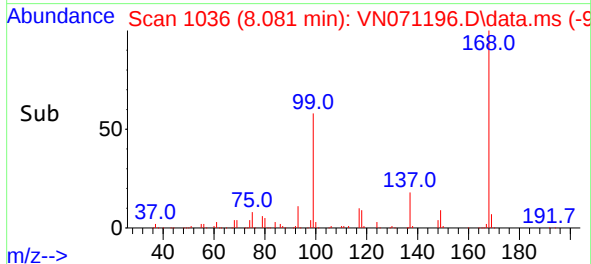
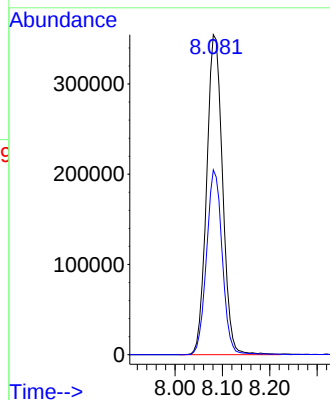
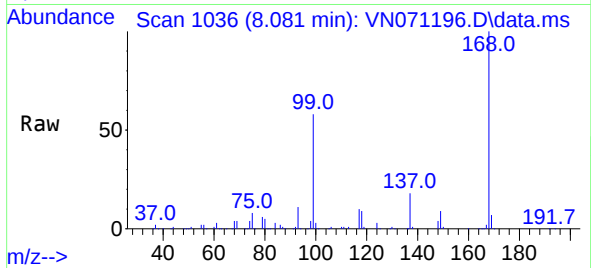




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

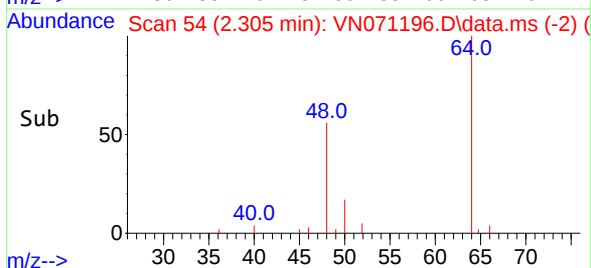
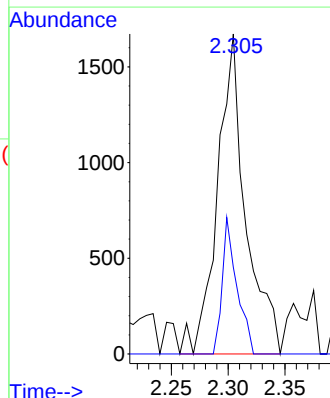
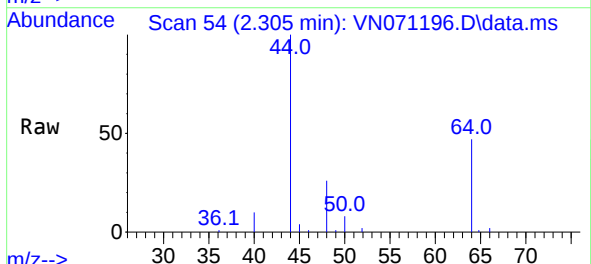
Instrument :
MSVOA_N
ClientSampleId :

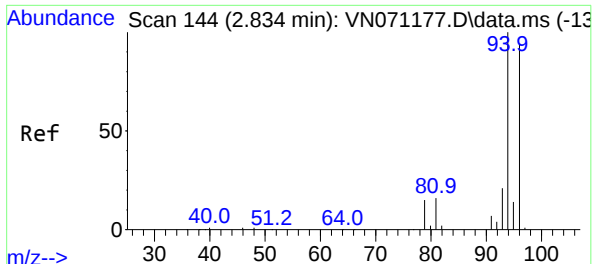
Tgt Ion:168 Resp: 828186
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 50 Resp: 2889
Ion Ratio Lower Upper
50 100
52 27.1 25.4 38.0

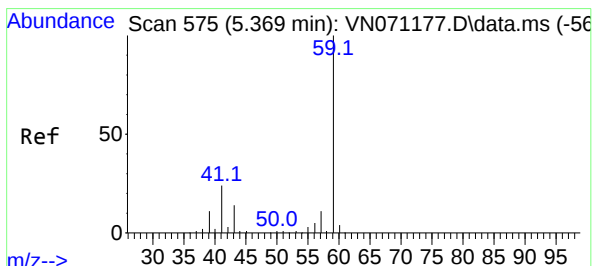
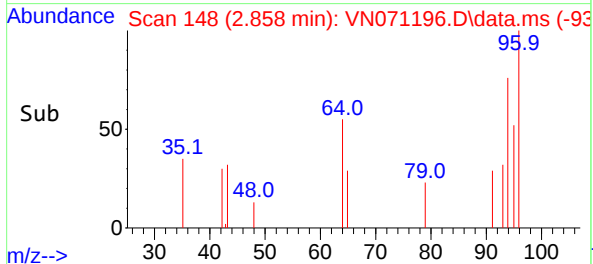
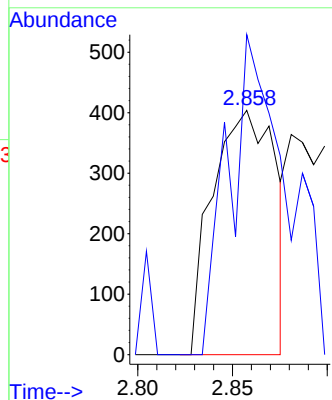
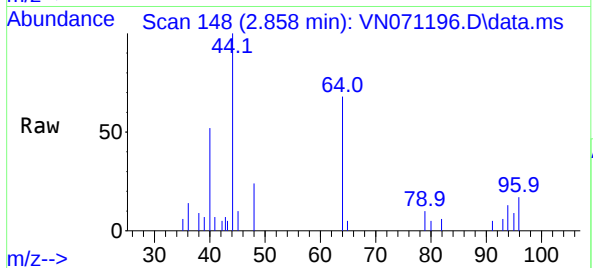




#5
Bromomethane
Concen: Below Cal
RT: 2.858 min Scan# 14
Delta R.T. 0.024 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

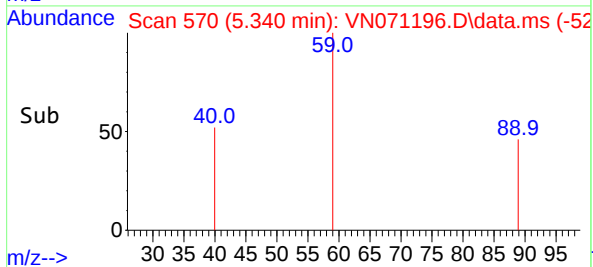
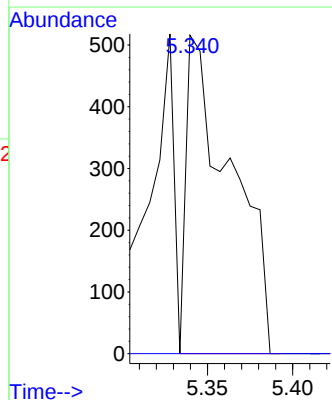
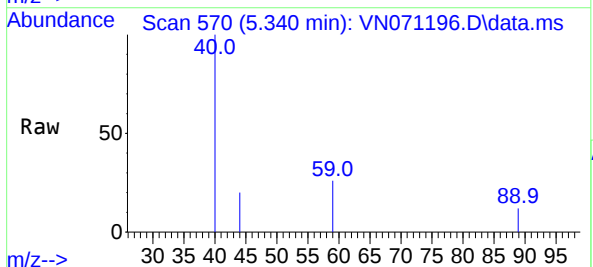
Instrument :
MSVOA_N
ClientSampleId :

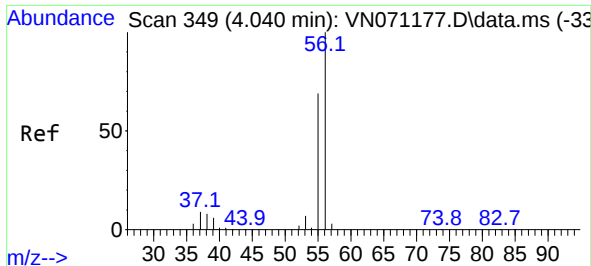
Tgt Ion: 94 Resp: 932
Ion Ratio Lower Upper
94 100
96 130.9 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.423 ug/l
RT: 5.340 min Scan# 570
Delta R.T. -0.029 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

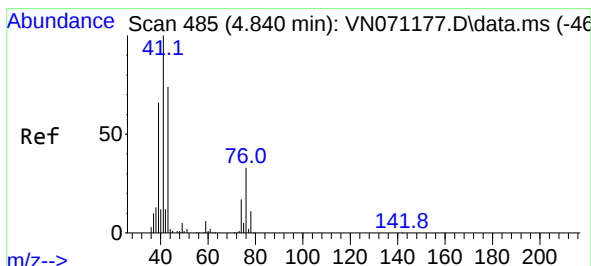
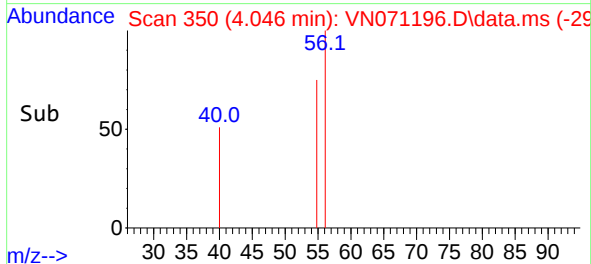
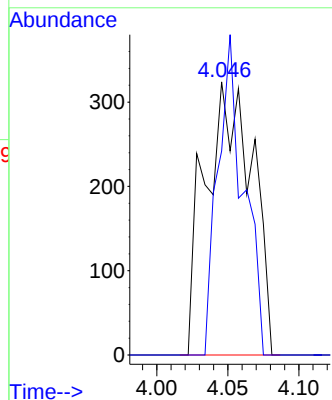
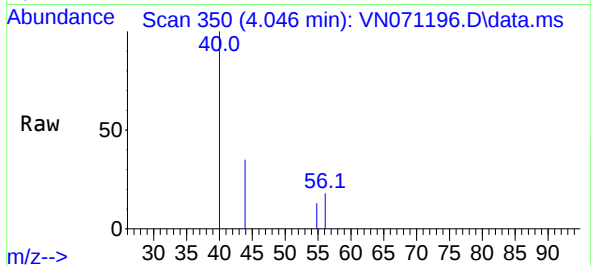




#13
Acrolein
Concen: 0.316 ug/l
RT: 4.046 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

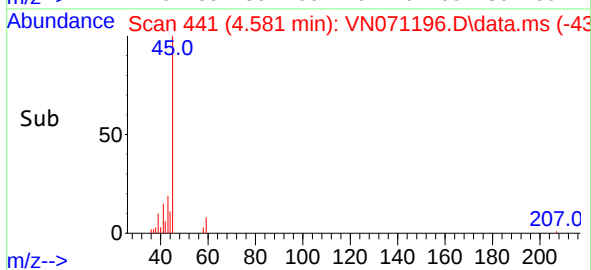
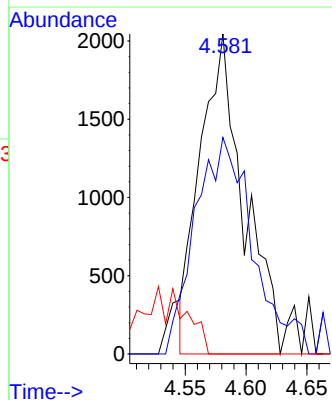
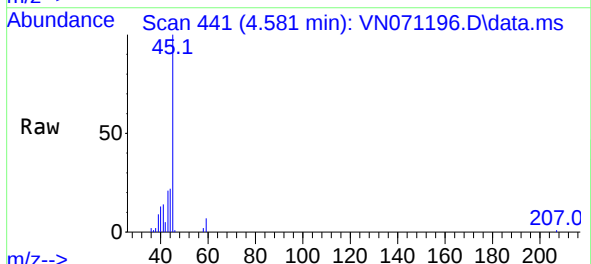
Instrument :
MSVOA_N
ClientSampleId :

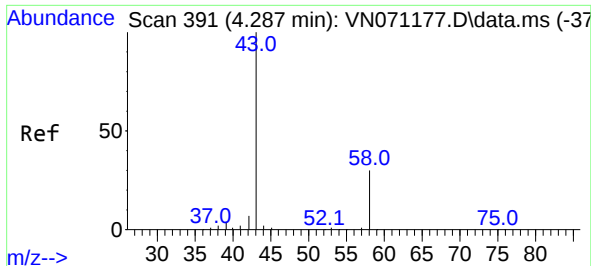
Tgt Ion: 56 Resp: 746
Ion Ratio Lower Upper
56 100
55 63.9 56.6 85.0



#14
Allyl chloride
Concen: 0.282 ug/l
RT: 4.581 min Scan# 441
Delta R.T. -0.259 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 41 Resp: 5093
Ion Ratio Lower Upper
41 100
39 85.4 61.2 91.8
76 0.0 26.0 39.0#

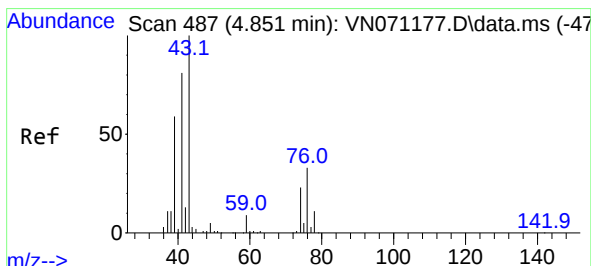
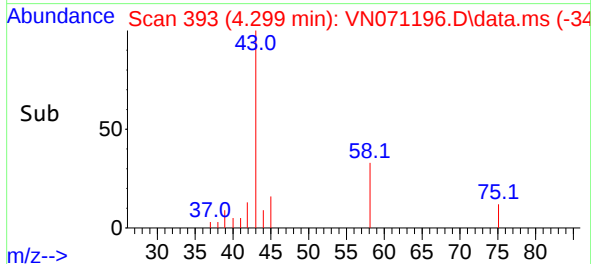
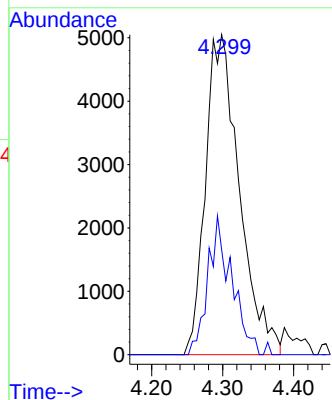
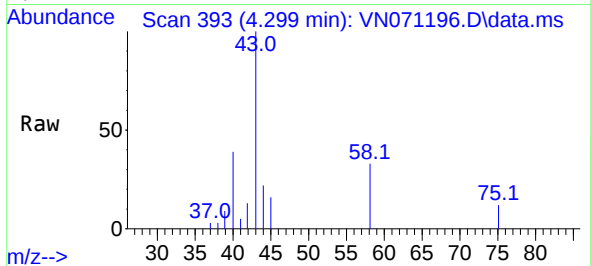




#16
Acetone
Concen: 3.031 ug/l
RT: 4.299 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

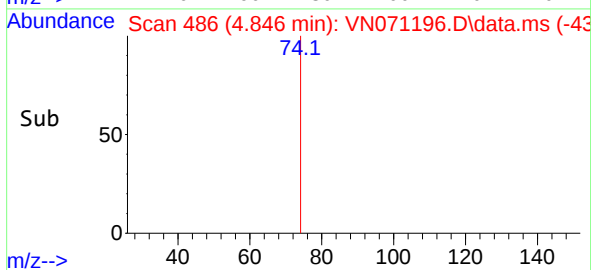
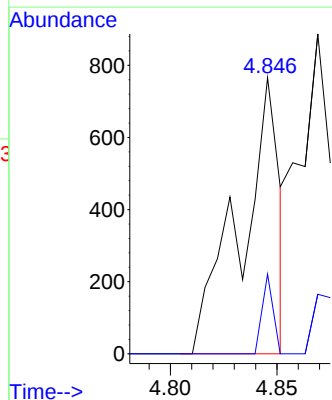
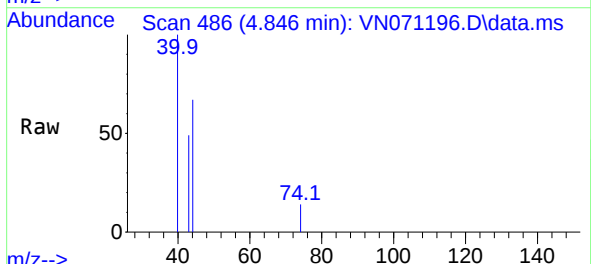
Instrument :
MSVOA_N
ClientSampleId :

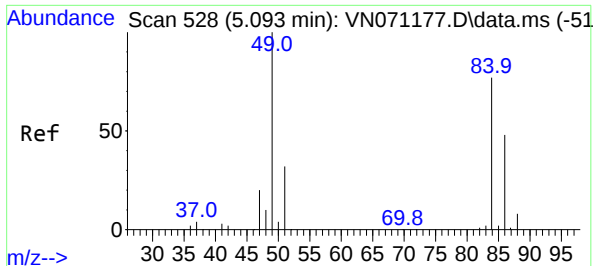
Tgt Ion: 43 Resp: 16740
Ion Ratio Lower Upper
43 100
58 32.8 23.1 34.7



#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 4.846 min Scan# 486
Delta R.T. -0.005 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

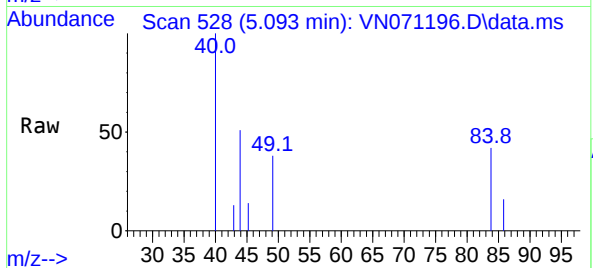
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
74 8.0 19.4 29.2#



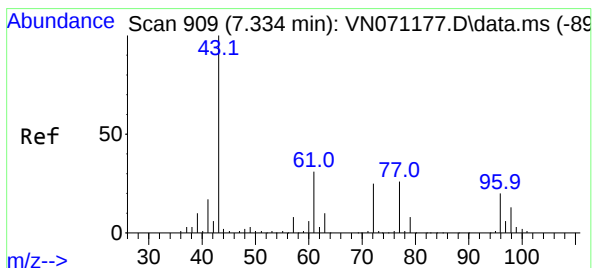
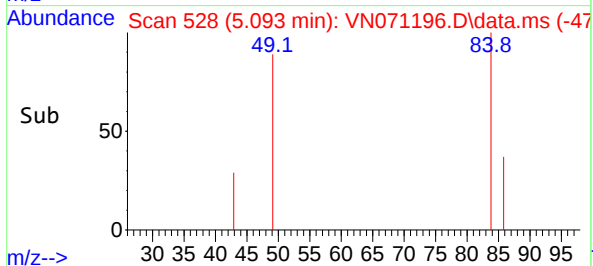
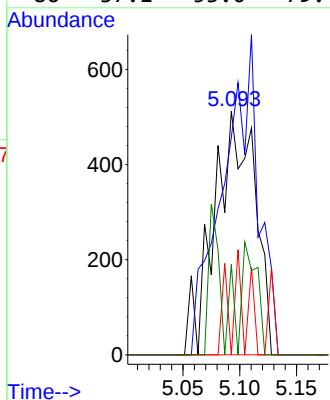


#20
Methylene Chloride
Concen: 0.507 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

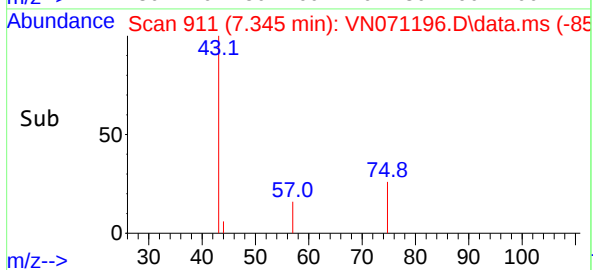
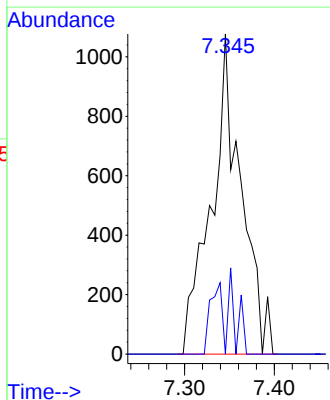
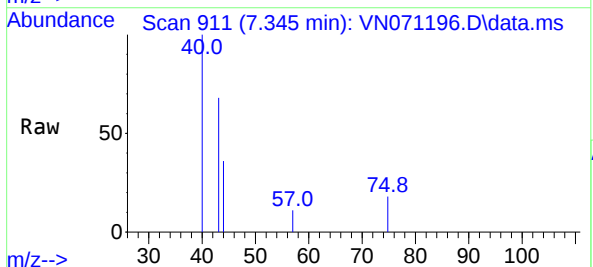


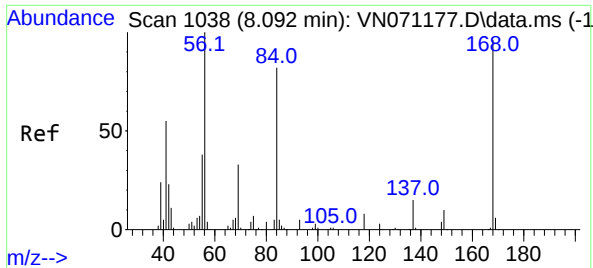
Tgt Ion: 84 Resp: 1275
Ion Ratio Lower Upper
84 100
49 89.3 93.5 140.3#
51 0.0 29.4 44.2#
86 37.1 53.0 79.4#



#25
2-Butanone
Concen: 0.280 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 43 Resp: 2487
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#





#31

Cyclohexane

Concen: 0.945 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

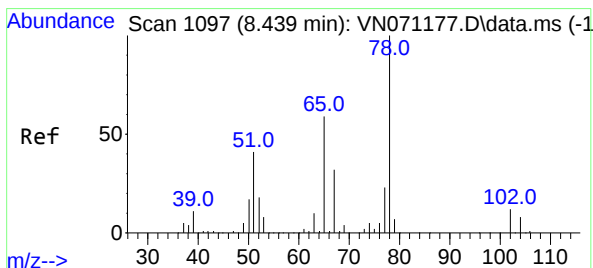
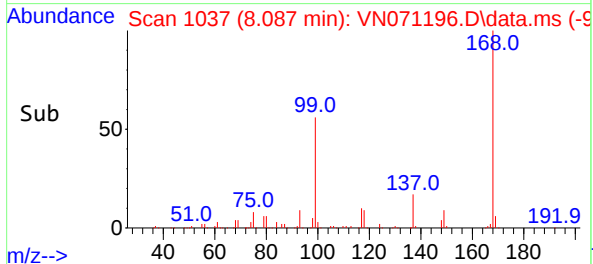
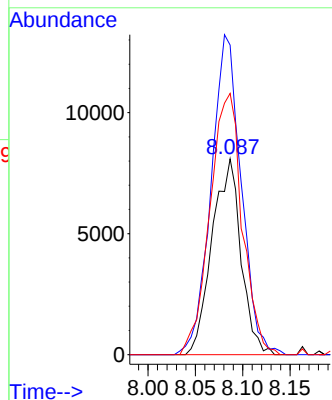
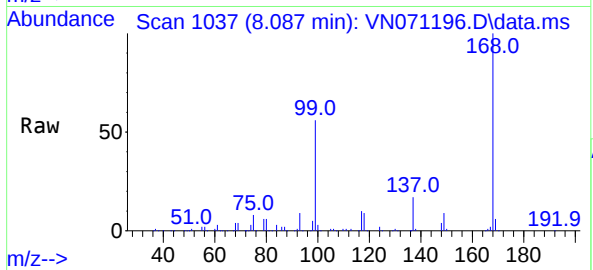
Tgt Ion: 56 Resp: 17126

Ion Ratio Lower Upper

56 100

69 156.2 27.1 40.7#

84 133.4 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.060 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071196.D

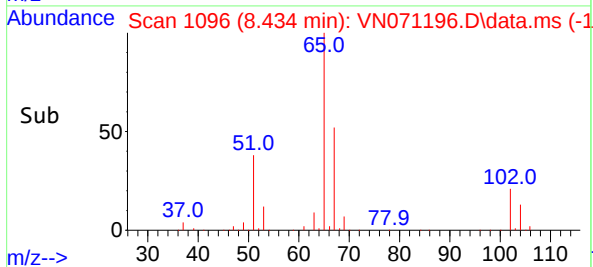
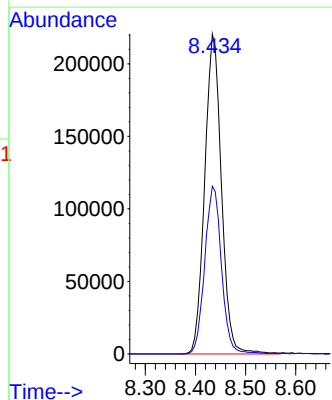
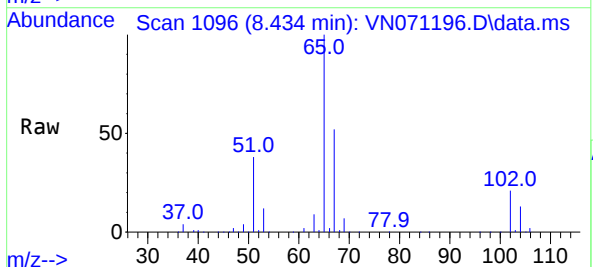
Acq: 08 Mar 2022 17:41

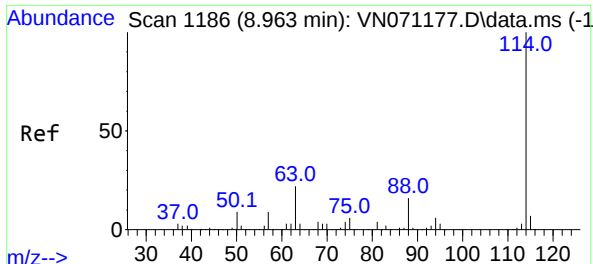
Tgt Ion: 65 Resp: 511461

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

Instrument :

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ClientSampleId :

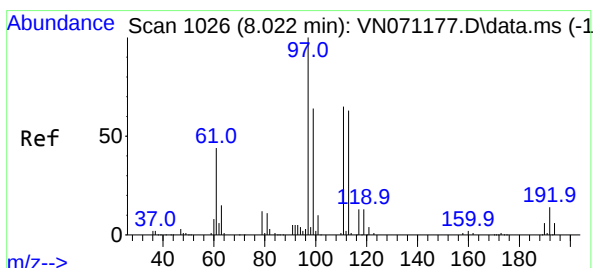
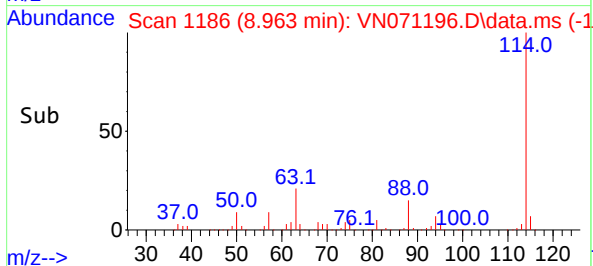
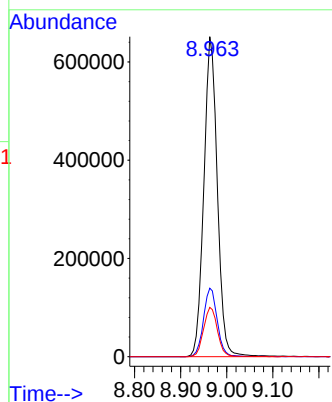
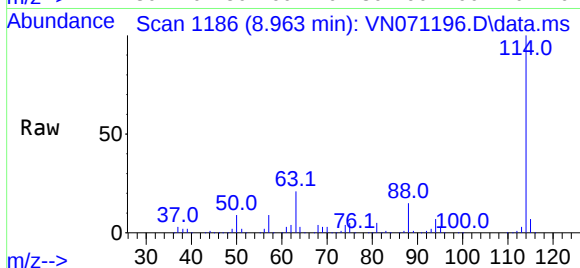
Tgt Ion:114 Resp: 1330635

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 15.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.726 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

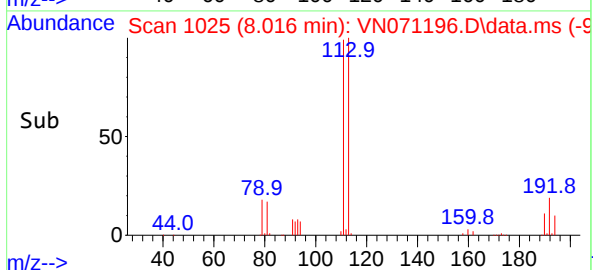
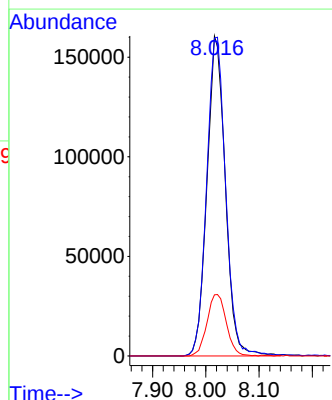
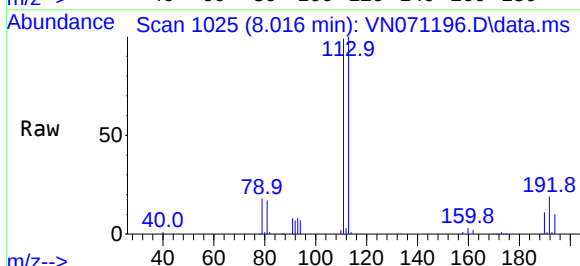
Tgt Ion:113 Resp: 383953

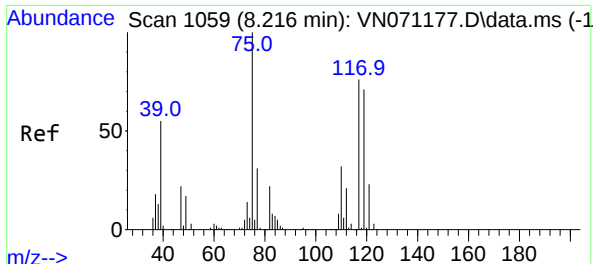
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071196.D

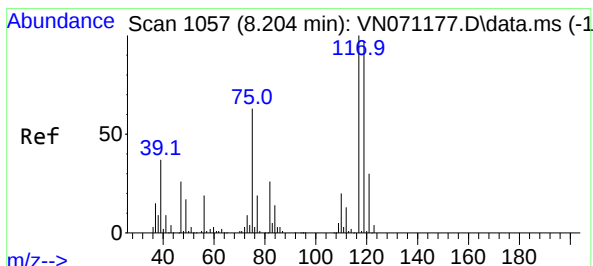
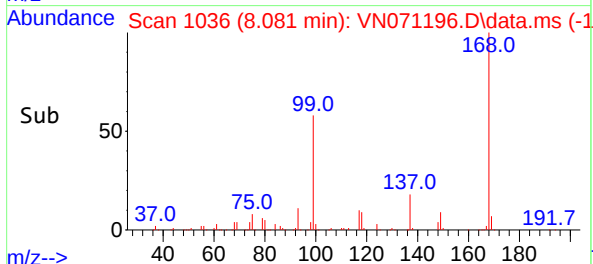
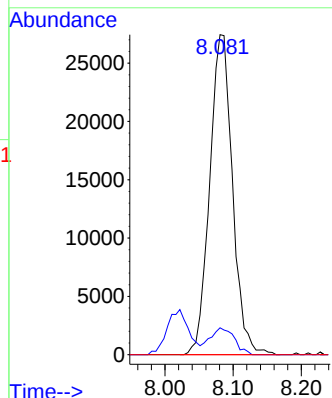
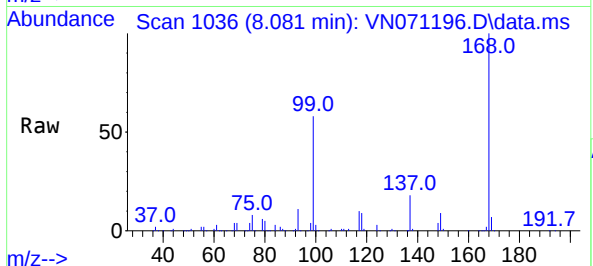
Acq: 08 Mar 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 63831
Ion Ratio	Lower Upper
75	100
110	9.1 18.4 55.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.295 ug/l

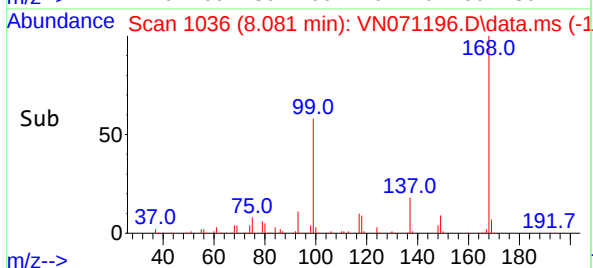
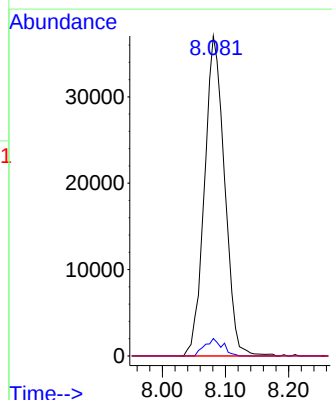
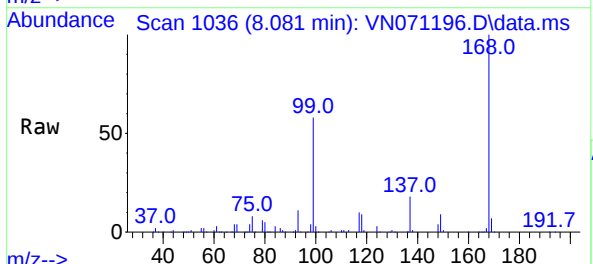
RT: 8.081 min Scan# 1036

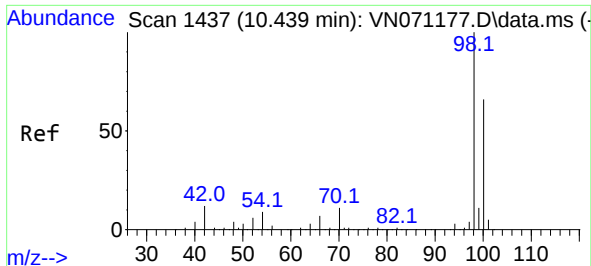
Delta R.T. -0.123 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

Tgt Ion: 117	Resp: 81922
Ion Ratio	Lower Upper
117	100
119	5.5 76.1 114.1#
121	0.0 24.2 36.2#

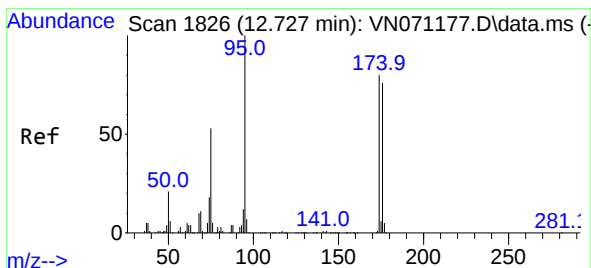
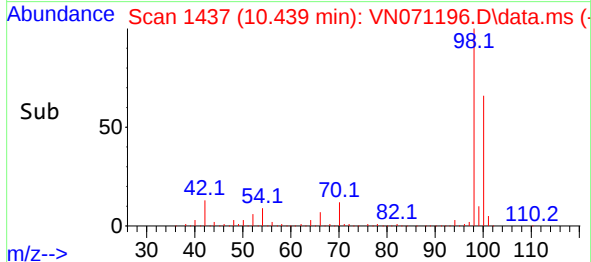
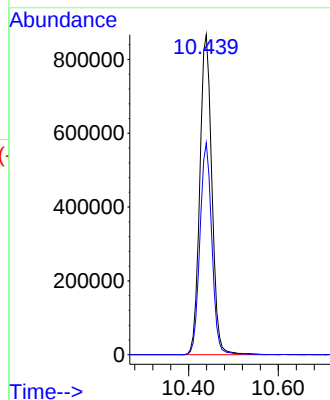
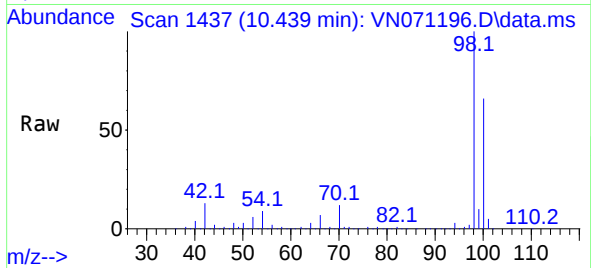




#50
Toluene-d8
Concen: 47.767 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

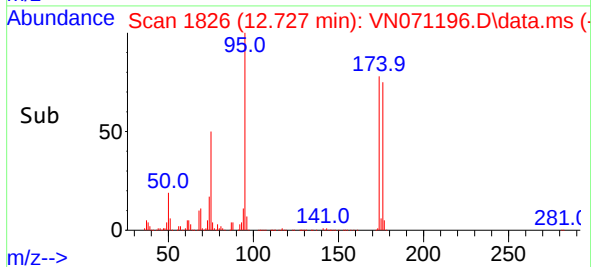
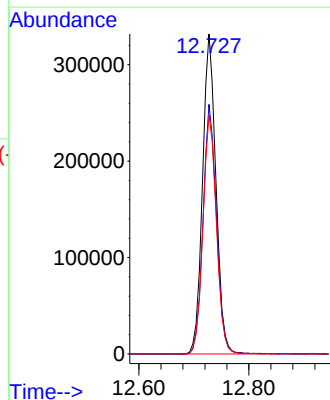
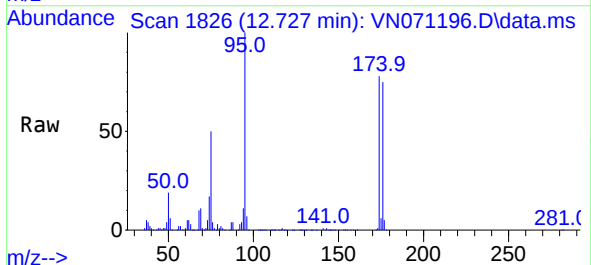
Instrument :
MSVOA_N
ClientSampleId :

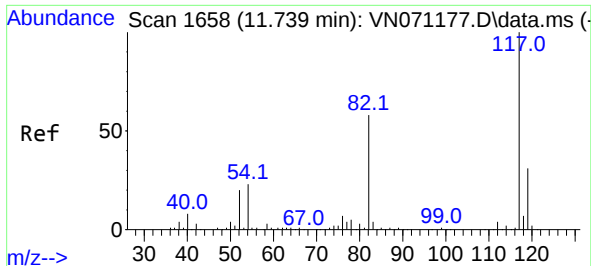
Tgt Ion: 98 Resp: 1614917
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 48.973 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 95 Resp: 560649
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 75.1 0.0 181.4

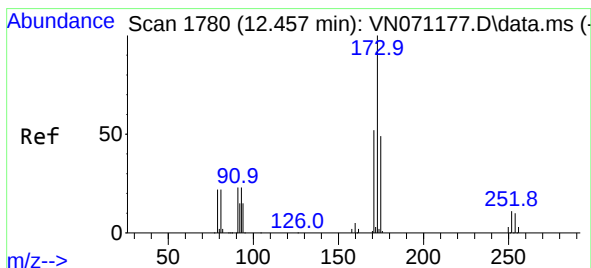
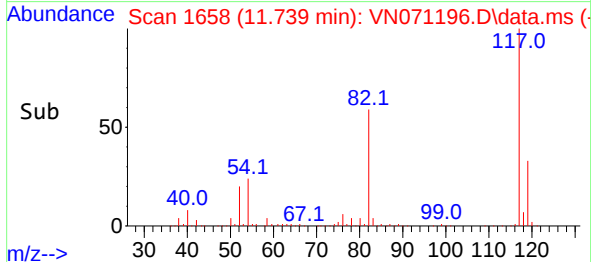
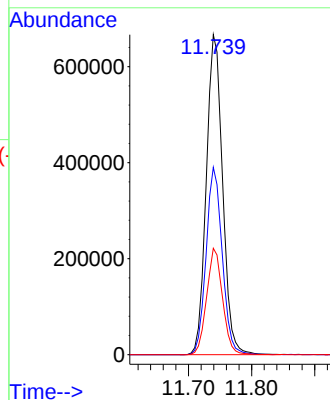
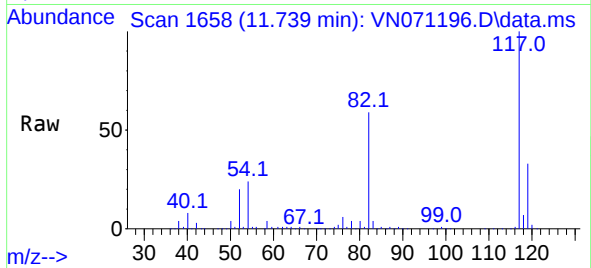




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

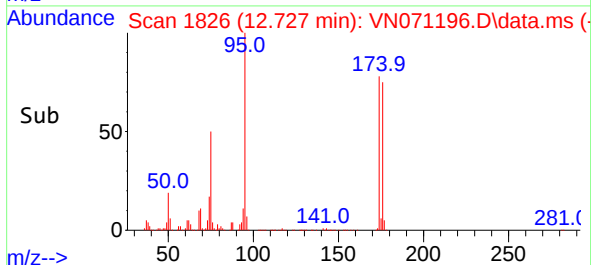
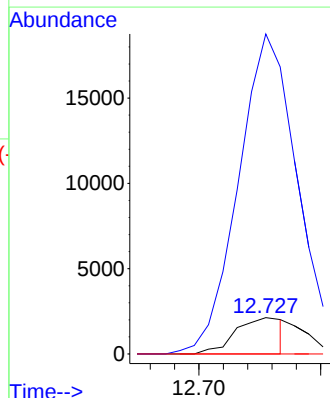
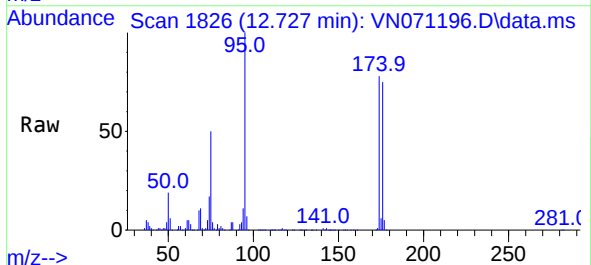
Instrument :
MSVOA_N
ClientSampleId :

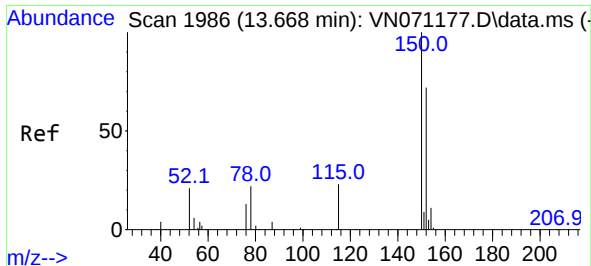
Tgt Ion:117 Resp: 1195259
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 33.2 25.4 38.2



#71
Bromoform
Concen: 0.406 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

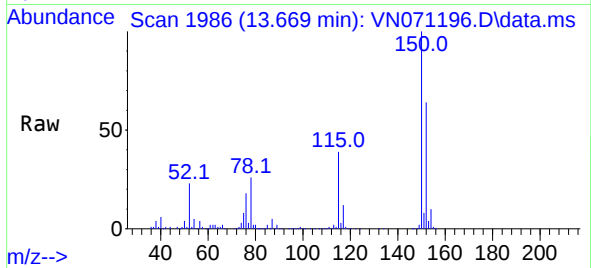
Tgt Ion:173 Resp: 2900
Ion Ratio Lower Upper
173 100
175 825.2 24.2 72.6#
254 0.0 0.0 0.0



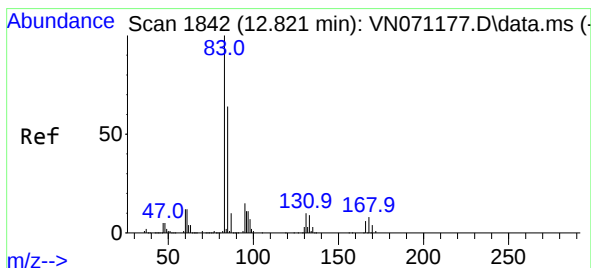
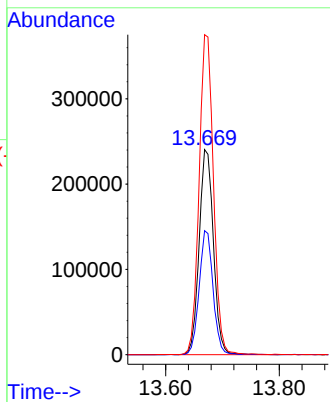
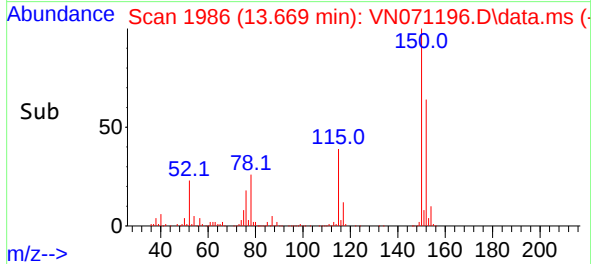


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN071196.D
 Acq: 08 Mar 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :

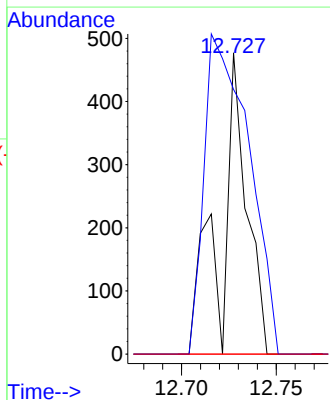
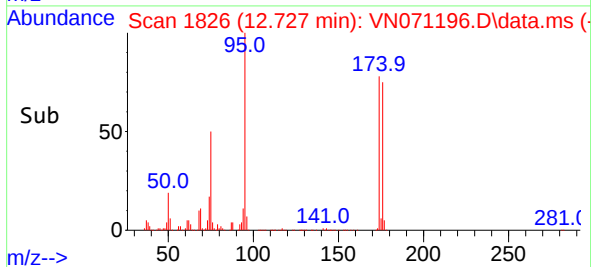
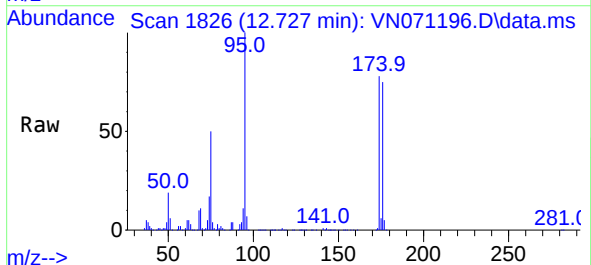


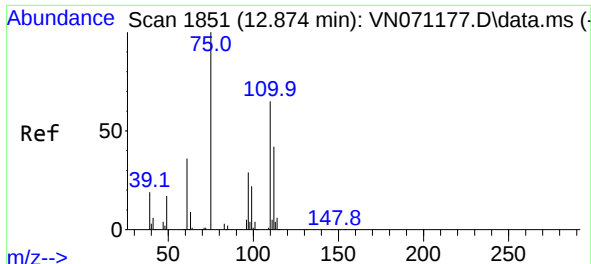
Tgt Ion:152 Resp: 419643
 Ion Ratio Lower Upper
 152 100
 115 58.8 27.5 82.5
 150 156.1 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.094 min
 Lab File: VN071196.D
 Acq: 08 Mar 2022 17:41

Tgt Ion: 83 Resp: 458
 Ion Ratio Lower Upper
 83 100
 131 182.3 5.5 16.5#
 85 0.0 32.4 97.2#

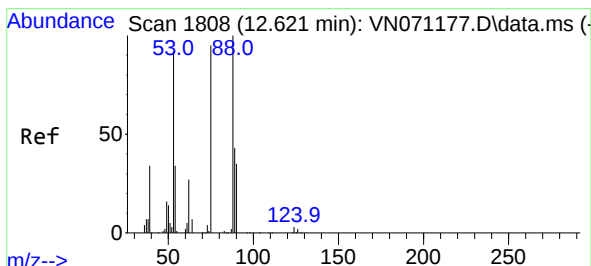
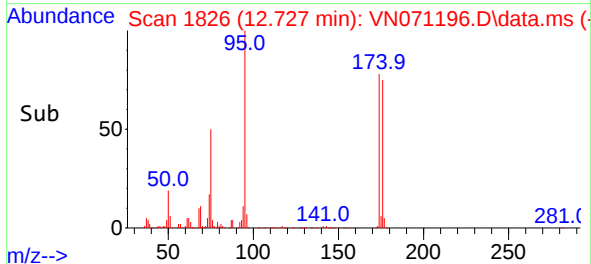
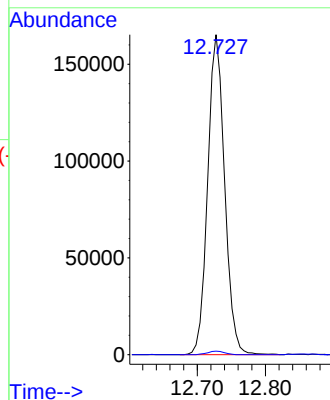
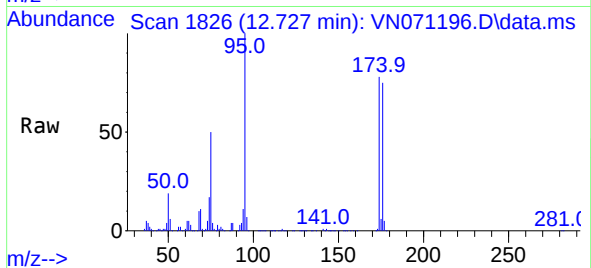




#76
1,2,3-Trichloropropane
Concen: 26.764 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

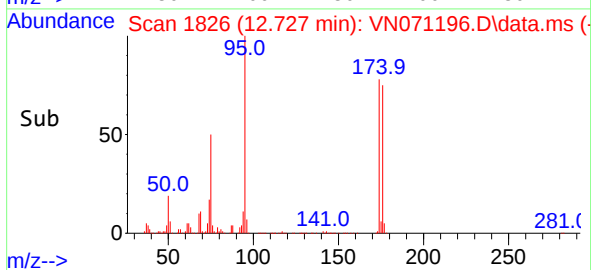
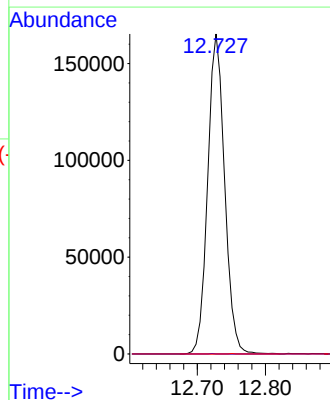
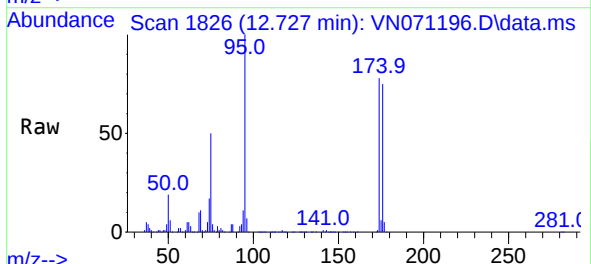
Instrument :
MSVOA_N
ClientSampleId :

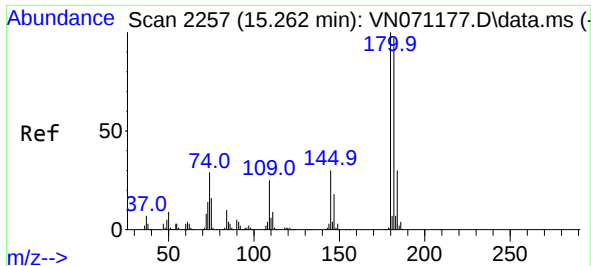
Tgt Ion: 75 Resp: 285553
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.558 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071196.D
Acq: 08 Mar 2022 17:41

Tgt Ion: 75 Resp: 285553
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.097 ug/l

RT: 15.274 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

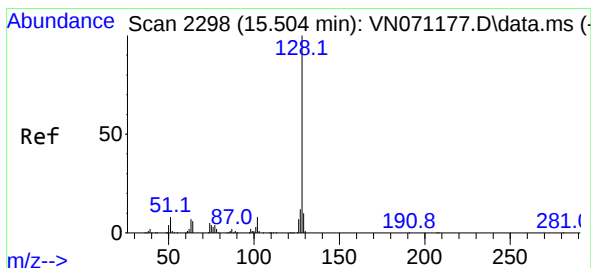
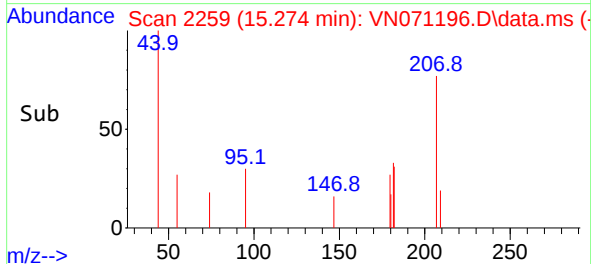
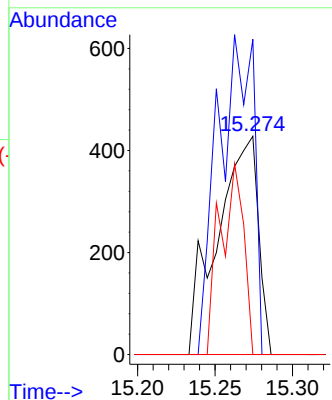
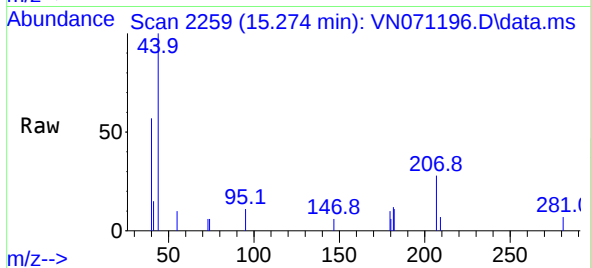
Tgt Ion:180 Resp: 785

Ion Ratio Lower Upper

180 100

182 126.6 48.3 144.9

145 50.3 14.5 43.5#



#95

Naphthalene

Concen: 5.576 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN071196.D

Acq: 08 Mar 2022 17:41

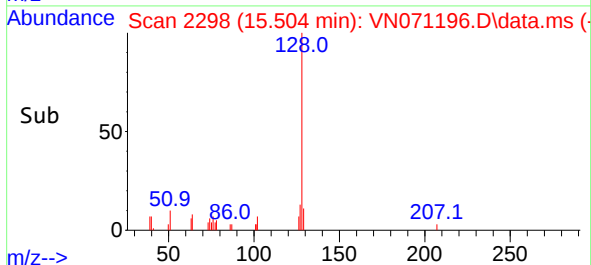
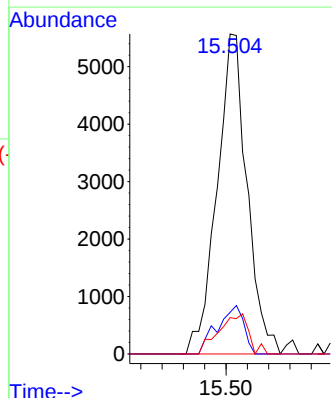
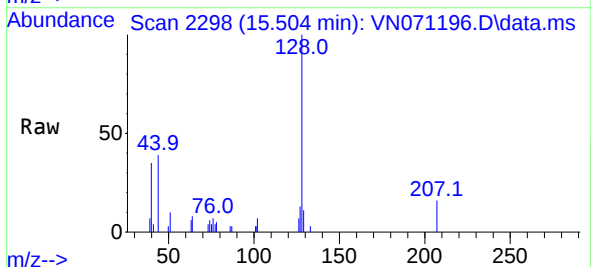
Tgt Ion:128 Resp: 10879

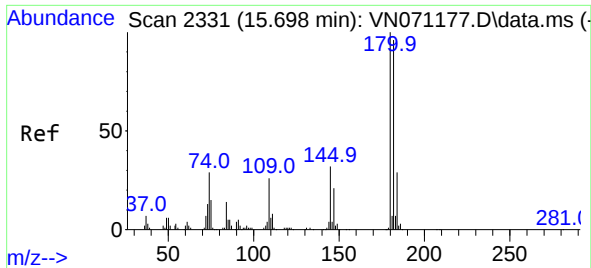
Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

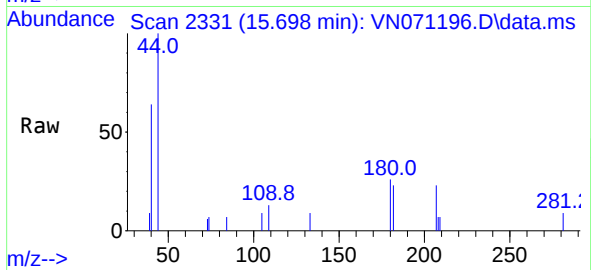
129 12.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.854 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071196.D
 Acq: 08 Mar 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	852
Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.4	142.2
145	16.2	15.0	45.1

